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

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## Addendum I

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

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

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

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

The following example illustrates the changes :-

### September 2002

```

NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:43.1±2.7,22.3S;02×179.6W;03,h613km,42km,
n22,r1515/21,mb4.4/9,1C,South of Fiji Islands
Code Station Name Δ° AZ° Phase ID 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: CHN1, Nanshi, 0.84 215 eP, Pb, 06 18 45.1 -0.2, etc. Lists various stations and their parameters.

Table with columns: QZH, Quanzhou, 2.48 296, Pn, 06 19 07.9 -0.7, etc. Lists various stations and their parameters.

Table with columns: CTA, Charters Tower, 80.61 111 P, P, 06 44 01.9 +0.6, etc. Lists various stations and their parameters.

0.2nm,0.7s,baz=31,slow=6.0,SNR=2.9
ASAR Alice Springs 85.86 223 P
0.2nm,0.7s,baz=28,slow=5.9,SNR=5.3

MEX 01 07:49:21.2:0.4,16'29N:98'42W,h2km,MD3.8,Near
Coast of Guerrero
Code Station Name Az AZZ Phase ID Time Res
PNIG Pinotepa 0.29 71 Op ISC h m s ISC
07 49 26.4 -0.5

IDC 01 08:00:34.2:14.0,17'88S:166'85E,h0km,mb3.6/3,
mb1 3.8/4,mb1mx3.6/35,mbtmp3.7/4,ML4.0/1,Error
ellipse: s-maj=236.3km s-min=37.2km az=66.0,Vanuatu
Islands

Code Station Name Az AZZ Phase ID Time Res
DZM Mont Dzumac 1.48 185 Pn ISC h m s ISC
08 01 39.0 -0.4
DZM 2.6nm,0.3s,baz=309,slow=13,SNR=327
DZM 8.7nm,0.3s,baz=135,slow=19,SNR=4-1
STKA Stephens Creek 26.73 234 P P 08 06 17.4 +1.9

SJA 01 08:02:04.0:0.9,30'35S:69'37W,h27km,2km,ML3.5,
MW3.7

ISCJB 01 08:02:06.0:4.0,30'33S:0'03:69'34W,0'03,h26km,4km,
Error ellipse: s-maj=5.0km s-min=4.5km az=168.9

GUC 01 08:02:06.4:0.8,30'32S:69'47W,h87km,14km,ML3.7
ISC 01 08:02:05.7:1.1,30'33S:0'03:69'38W,0'03,h20km,2km,
n35,+f100/43,4C-1D,Chile-Argentina border region

Code Station Name Az AZZ Phase ID Time Res
AROD Rodeo 0.18 334 Op ISC h m s ISC
08 02 11.2 -0.7
ACDV Cuesta del Vie 0.28 54 Op P 08 02 12.2 -0.1
ACDV 08 02 17.1 +0.3
AMCO Cerro Coronel 0.37 133 Op P 08 02 13.5 -0.3
AMCO MOGNA 0.97 129 Op P 08 02 22.4 -1.6
AGUA GUANDACOL 1.14 43 Op P 08 02 25.9 -0.8

Code Station Name Az AZZ Phase ID Time Res
CFA Coronel Fontas 1.60 143 Op Pn 08 02 32.5 -0.4
CMCH Combarbala 1.63 239 Op P 08 02 33.7 +0.3
CMCH 08 02 54.9 -0.3

Code Station Name Az AZZ Phase ID Time Res
RTVC Cerro Valdivia 1.69 155 Op Pn 08 02 34.1 0.0
LCO Las Campanas 1.75 319 Op Pn 08 02 35.4 +0.2
LCO Las Campanas 1.75 319 Op Pn 08 02 35.4 +0.2

Code Station Name Az AZZ Phase ID Time Res
AUSP Uspallata 1.88 180 Op Pn 08 02 38.0 +1.0
ACLC CERRO LA CRUZ 2.29 67 Op Pn 08 02 43.5 +0.9
ASAL Salagasta 2.30 168 Op Pn 08 02 45.1 -1.5
APLL PUNTA DE LOS L 2.46 92 Op Pn 08 02 45.5 +0.7

Code Station Name Az AZZ Phase ID Time Res
ARCO CERRO ARCO 2.53 171 Op Pn 08 02 47.6 +1.8
ACAN Cantaral 2.69 136 Op Pn 08 02 49.1 +1.2
AAGR Agropo 2.78 170 Op Pn 08 02 54.1 -0.7
GO03 Copiap 2.83 344 Op Pn 08 02 50.0 +0.5

Code Station Name Az AZZ Phase ID Time Res
ROCH El Roble 2.98 207 Op Pn 08 02 53.3 +1.3
ROCH 08 03 28.5 +1.3
ROCH 08 03 38.9

Code Station Name Az AZZ Phase ID Time Res
ROCI El Roble 2.98 207 Op Pn 08 02 52.3 +0.3
PEL Peldehue 3.01 201 Op Pn 08 02 54.5 +2.2
PEL 08 02 53.5 +1.2
PEL 08 03 55.1

Code Station Name Az AZZ Phase ID Time Res
FCH Fanellones 3.08 194 Op Pn 08 02 55.1 +1.5
CYA Choyo 3.65 60 Op Pn 08 03 00.9 -0.2
CYA Choyo 3.65 60 Op Pn 08 03 00.9 -0.2
TCA Tanti 4.23 105 Op Pn 08 03 08.5 -0.7
AHML Horco Molle 5.01 46 Op Pn 08 03 19.8 -0.1
FSA Cafayete 5.17 36 Op Pn 08 03 23.6 +1.5

JSN 01 08:25:48.0:0.9,19'53N:77'91W,h30km,96km,MD3.6,
2C-6D,Cuba region
Code Station Name Az AZZ Phase ID Time Res
MBJ Montego Bay 1.12 178 Op Pn 08 26 05.9 -1.9
MEJ 1.29 152 Op Pn 08 26 19.1 -3.1
BEJ 1.39 152 Op Pn 08 26 19.1 -3.1
NEJ Negril 1.33 197 Op Pn 08 26 08.3 -2.3
CVJ Coleville 1.34 165 Op Pn 08 26 09.4 -1.4
MCJ Malvern 1.61 172 Op Pn 08 26 13.3 -1.1
MCJ 08 26 32.1 -2.2
STH Stony Hill 1.78 144 Op Pn 08 26 15.2 -1.7
STH 08 26 35.4 -3.1
GWJ Greenwich 1.83 142 Op Pn 08 26 15.7 -1.9
HOJ Hope 1.87 144 Op Pn 08 26 16.9 -1.2
CMJ Castle Mountai 2.01 133 Op Pn 08 26 18.6 -1.4

SJA 01 08:42:10.0:0.6,22'64S:66'09W,h289km,10km,ML3.5,
MW3.7

IDC 01 08:42:11.7:1.8,22'69S:66'00W,h235km,14km,mb3.1/3,
mb1 3.3/6,mb1mx3.1/32,mbtmp3.6/6,Error ellipse:
s-maj=35.8km s-min=20.5km az=153.0

ISCJB 01 08:42:13.8:0.7,22'55S:0'05:66'27W,0'05,h251km,
mb3.3/3,Error ellipse: s-maj=7.4km s-min=6.8km
az=152.4

GUC 01 08:42:14.9:0.7,22'58S:66'50W,h281km,10km,ML4.3
ISC 01 08:42:13.5:0.9,22'56S:0'06:66'23W,0'07,h251km,n32,
+f106/49,mb3.5/3,10C-3D,Jujuy Province

Code Station Name Az AZZ Phase ID Time Res
HJA Humahuaca 1.00 311 Op Pn 08 42 49.4 +0.4
HJA 08 42 49.6
LVC Limon Verde 2.48 268 Op Pn 08 43 01.8 +0.8
LVC 08 43 01.8 +0.8
LVC 2.4nm,0.3s,baz=100,slow=5.8,SNR=70
LVC 08 43 38.3 -0.1
LVC 2.9nm,0.3s,baz=135,slow=22,SNR=22-2
LVC 08 43 01.7 +0.8
LVC 08 43 05.5 +0.1
PB09 IPOC Station P 2.89 285 Op Pn 08 43 05.8 +0.8
PB09 08 43 45.2 -0.6
PB15 IPOC Station P 3.06 257 Op Pn 08 43 07.8 +0.9
PB15 08 43 49.4 +0.3
PB15 IPOC Station P 3.06 257 Op Pn 08 43 07.8 +0.9
PB15 08 43 48.5 -0.6
PB06 IPOC Station P 3.09 267 Op Pn 08 43 07.8 +0.6
PB06 IPOC Station P 3.09 267 Op Pn 08 43 08.1 +0.9
PB06 08 43 48.6 -1.1
PB06 08 43 50.5
PB03 IPOC Station P 3.30 278 Op Pn 08 43 10.1 +0.6

PB03 IPOC Station P 3.30 278 Op Pn 08 43 10.0 +0.5
PB03 08 43 52.3 -1.6
PB03 08 43 53.3
PB01 IPOC Station P 3.38 296 Op Pn 08 43 11.1 +0.7
PB01 08 43 54.6 -0.8
PB07 IPOC Station P 3.49 283 Op Pn 08 43 12.1 +0.5
PB07 IPOC Station P 3.49 283 Op Pn 08 43 12.2 +0.6
PB07 08 43 55.8 -1.8
PB07 08 43 58.1

Code Station Name Az AZZ Phase ID Time Res
PB02 IPOC Station P 3.62 289 Op Pn 08 43 13.3 +0.3
PB02 08 44 01.0 +0.7
PB02 IPOC Station P 3.62 289 Op Pn 08 43 13.3 +0.3
PB02 08 43 58.5 -1.7
PB04 IPOC Station P 3.63 273 Op Pn 08 43 13.7 +0.4
PB04 IPOC Station P 3.63 273 Op Pn 08 43 13.7 +0.4
PB04 08 43 58.6 -2.0
PB04 08 44 00.4

Code Station Name Az AZZ Phase ID Time Res
PB08 IPOC Station P 3.63 311 Op Pn 08 43 15.0 +1.4
PB08 08 44 01.7 +0.7
PB08 08 44 03.8
PB05 IPOC Station P 3.68 265 Op Pn 08 43 13.9 +0.2
PB05 IPOC Station P 3.68 265 Op Pn 08 43 14.0 +0.2
PB05 08 43 59.2 -2.3
PB05 08 44 02.2
GO02 Mina Guanaco 4.02 229 Op Pn 08 43 18.1 +0.2
GO02 08 44 07.9 -1.2
PB10 IPOC Station P 4.09 256 Op Pn 08 43 20.3 -0.1
PB10 IPOC Station P 4.24 310 Op Pn 08 43 20.3 -0.1
PB11 08 44 11.2 -2.2
MNMC Minye Minye 4.64 317 Op Pn 08 43 25.9 +0.7
MNMC 08 44 20.5 -1.9
LNPAZ La Paz 6.49 344 Op Pn 08 43 49.3 +0.8
SIV San Ignacio 8.15 38 Op Pn 08 44 07.1 -1.7
SIV 08 44 07.1 -1.7
TORO Torodi Ar, Bea 75.39 69 Op P 08 53 28.6 -1.6
PDAR Pinedale Array 76.28 329 Op P 08 53 26.2 +1.3
YKA Yellowknife Ar 93.02 340 Op P 08 54 58.5 +0.6

ASAR Alice Springs 130.06 204 PKP PKPdf 09 00 54.2 0.0
WRA Warramunga Arr 133.23 207 PKP PKPdf 09 01 01.6 +1.3
MKAR Makanchi Array 144.96 39 PKP PKPbc 09 01 20.8 +0.3

NIED 01 08:45:00,30'60N:131'10E,h38km,Mw4.4 Best double
couple: M3.87000x1015 NP1.9s190.00000',delta.00000',
7.1.000000'. NP2.9s29.00000',delta.00000',delta.00000'.
BUI 01 08:45:13,1,30'30N:131'20E,h51km,mb4.3/34,mb4.5/22,
Ms4.0/11,MS7.3/8/12
JMA 01 08:45:14,7,30'59N:131'15E,h31km,1km,M4.1
JMA Feit J1
ISCJB 01 08:45:14.0:0.4,30'56N:0'03:131'10E,0'04,h48km,2km,
mb4.4/51,MS3.7/19,Error ellipse: s-maj=6.6km
s-min=4.2km az=29.8

NEIC 01 08:45:15.6:0.7,30'57N:130'99E,h44km,6km,mb4.6/24,
Error ellipse: s-maj=7.0km s-min=5.4km az=128.0
NEIC Recorded (1 JMA) in Kagoshima and on Takejima and

IDC 01 08:45:16.2:1.5,30'60N:130'97E,h48km,14km,mb3.9/23,
mb1 4.0/27,mb1mx3.9/45,mbtmp4.1/27,ML3.0/4,MS3.5/20,
Ms1.3/5/20,ms1mx3.3/57,Error ellipse: s-maj=16.4km
s-min=10.6km az=104.0

ISC 01 08:45:16.0:5,30'57N:0'04:131'04E,0'05,h36km,2km,
n99,+f127/99,mb4.5/51,MS3.7/19,7D,Kyushu

Code Station Name Az AZZ Phase ID Time Res
JTN Tanegashima 3 0.10 326 Op Pn 08 45 20.3 -0.5
JTN 08 45 24.6 -0.4
JMTN Minamitane 0.21 215 Op Pn 08 45 21.9 -1.0
JMTN 08 45 27.5 -2.7
JYAK Yakushimahira 0.57 234 Op Pn 08 45 27.0 +0.7
JYAK 08 45 36.2 +1.8
JTSR Tashiro 0.60 350 Op Pn 08 45 26.4 -0.4
JTSR 08 45 35.4 +0.1
JKC Kuchinoerabu 0.74 262 Op Pn 08 45 30.0 +1.5
JKC 08 45 41.7 +3.2
JNAR Kushima-Naru 0.97 112 Op Pn 08 45 32.0 +0.3
JNAR 08 45 43.5 +1.0
JNU Suzuyama 1.06 332 Op Pn 08 45 33.8 +0.6
JNU 08 45 47.3 +1.3
JNN Nakanoshima 1.25 235 Op Pn 08 45 37.6 +2.1
JNN 08 45 53.6 +2.6
JNZ Takasaki 1.33 2 Pn 08 45 37.6 +1.0
JNZ Natsuki 2.55 357 Op Pn 08 45 54.8 +1.4
JNU 9.8nm,0.3s,baz=259,slow=2.0,SNR=68
JNU 08 46 27.5 +4.3

Code Station Name Az AZZ Phase ID Time Res
JOW Kunigami 4.45 214 Op Pn 08 47 14.9
JOW 08 46 21.0 +1.4
JOW 0.5nm,0.3s,baz=118,slow=14,SNR=13
JOW 08 47 11.3 +1.2

Code Station Name Az AZZ Phase ID Time Res
JOW 1.8nm,0.3s,baz=231,slow=26,SNR=4.6
JOW 08 46 20.5 +0.9
JOW 08 47 10.4 +0.3
INU Inuyama 6.92 45 Op Pn 08 46 54.9 +1.4
KSRs Korea Array 7.34 340 Op Pn 08 47 01.8 +2.7
KSRs 0.9nm,0.3s,baz=157,slow=14,SNR=7.9
KSRs 08 50 04.3

Code Station Name Az AZZ Phase ID Time Res
JHJ Hachiojima 2 7.86 69 Op Pn 08 50 16.1
MAJO Matsushiro 8.44 43 Op Pn 08 47 15.0 +0.7
MJAR Matsushiro Arr 8.44 43 Op Pn 08 47 15.4 +1.1
NJ2 Nanjing 10.53 281 Op Pn 08 47 43.0 0.0

Code Station Name Az AZZ Phase ID Time Res
CSA2 Changchun 13.93 343 Op Pn 08 48 32.0 +2.6
ANJ Asahikawa 16.32 31 Op Pn 08 55 12.5
KLR Kul'dur 18.64 1 Pn 08 49 29.8 +0.1
KLR 0.8nm,0.3s,baz=193,slow=7.5,SNR=22
KLR 08 57 28.7

Code Station Name Az AZZ Phase ID Time Res
HHC Hu-ho-hao-te 18.81 308 Op Pn 08 49 32.9 +1.0
HHC 08 52 56.4 -5.0
HHC 08 52 56.4 -5.0

Code Station Name Az AZZ Phase ID Time Res
HHC comp=Z,15nm,1.1s pmax 08 52 56.4 -5.0
HHC comp=Z,58nm,5.8s LR LR 08 52 56.4 -5.0
HHC comp=N,230nm,12.6s LR LR 08 52 56.4 -5.0
HHC comp=E,150nm,10.2s LR LR 08 52 56.4 -5.0

Code Station Name Az AZZ Phase ID Time Res
XAN Xi'an 19.01 286 Op Pmax 08 49 33.9 +0.5
XAN comp=Z,3.0nm,0.9s pmax 08 49 33.9 +0.5
XAN comp=Z,46nm,4.0s pmax 08 49 33.9 +0.5

Code Station Name Az AZZ Phase ID Time Res
LZH Lanzhou 23.34 291 Op P 08 50 18.5 -1.4
LZH 08 50 30.0 +0.4
LZH 08 50 35.4 +1.5
LZH comp=Z,16nm,1.1s pmax 08 50 35.4 +1.5
LZH comp=Z,68nm,4.5s LR LR 08 50 35.4 +1.5

Code Station Name Az AZZ Phase ID Time Res
LZH comp=N,230nm,14.3s LR LR 08 50 35.4 +1.5
LZH comp=E,430nm,16.4s LR LR 08 50 35.4 +1.5
LZH 08 50 35.4 +1.5
LZH 08 50 35.4 +1.5
LZH 08 50 35.4 +1.5
LZH 08 50 35.4 +1.5

Code Station Name Az AZZ Phase ID Time Res
CD2 Chengdu 23.44 278 Op P 08 50 20.0 -0.7
CD2 08 54 29.8 -1.9
CD2 08 54 29.8 -1.9
CD2 08 54 29.8 -1.9
CD2 08 54 29.8 -1.9
CD2 08 54 29.8 -1.9

Code Station Name Az AZZ Phase ID Time Res
CD2 comp=N,340nm,14.7s LR LR 08 54 29.8 -1.9
CD2 comp=E,260nm,12.7s LR LR 08 54 29.8 -1.9
CD2 comp=Z,340nm,17.6s LR LR 08 54 29.8 -1.9
ULN Ulanbaatar 25.21 320 Op P 08 50 36.2 -0.8
ULN 4.1nm,0.8s 08 50 36.2 -0.8
SONA Songino Array 25.56 319 Op P 08 50 39.8 -0.4
SONM Songino Array 25.56 319 Op P 08 50 39.8 -0.4
SONM 1.2nm,0.5s,baz=133,slow=9.7,SNR=11
SONM 09 01 50.7

Code Station Name Az AZZ Phase ID Time Res
GTA Gao'ai 26.95 298 Op P 08 50 50.4 -2.5
GTA 08 51 03.1 +0.1
GTA 08 51 03.1 +0.1
GTA 08 51 03.1 +0.1
GTA 08 51 03.1 +0.1
GTA 08 51 03.1 +0.1

Code Station Name Az AZZ Phase ID Time Res
GTA comp=Z,29nm,4.2s pmax 08 51 03.1 +0.1
GTA comp=N,110nm,16.5s LR LR 08 51 03.1 +0.1
GTA comp=E,81nm,16.8s LR LR 08 51 03.1 +0.1
GTA comp=Z,200nm,15.5s LR LR 08 51 03.1 +0.1

Code Station Name Az AZZ Phase ID Time Res
PETK Petropavlovsk- 29.72 33 LR 09 03 28.2
PETK comp=Z,47nm,2.0s,baz=175,slow=37
CMAR Chiang Mai Arr 31.49 255 LR LR 09 05 22.6
MA2 Magadan 31.91 19 P 08 51 37.2 +0.7
MA2 2.0nm,0.7s,baz=187,slow=6.6,SNR=4.6
FAKI Fak Fak Arr 33.32 178 Op P 08 51 50.7 +1.5

Code Station Name Az AZZ Phase ID Time Res
H1N2 WAKE ISLAND Hy 34.07 100 T 09 27 53.3
H1N1 WAKE ISLAND Hy 34.07 100 T 09 27 54.3
H1N3 WAKE ISLAND Hy 34.09 100 T 09 27 55.3
JAY Jayapura 34.17 163 LR LR 09 04 09.8
Zalesovo Beam 40.45 319 P 08 52 18.3 +1.2
WMQ Urumqi 36.57 303 Op P 08 52 30.6 -1.0
WMQ 08 52 37.4 +1.0

Code Station Name Az AZZ Phase ID Time Res
WMQ comp=Z,18nm,0.7s pmax 08 52 37.4 +1.0
WMQ comp=Z,250nm,4.5s pmax 08 52 37.4 +1.0
WMQ comp=N,120nm,17.5s LR LR 08 52 37.4 +1.0
WMQ comp=E,250nm,18.5s LR LR 08 52 37.4 +1.0

Code Station Name Az AZZ Phase ID Time Res
ZALV comp=Z,180nm,17.5s 40.45 319 P 08 52 49.2 -0.2
ZALV 1.3nm,0.6s,baz=105,slow=7.8,SNR=4.4
ZALV 09 10 53.2

Code Station Name Az AZZ Phase ID Time Res
ZAA1 Zalesovo Array 40.45 319 Op P 08 52 49.2 -0.3
MK01 Makanchi Array 40.67 308 Op P 08 52 51.9 +0.5
MK32 Makanchi Array 40.68 308 Op P 08 52 51.2 -0.2
MKAR Makanchi Array 40.68 308 Op P 08 52 51.2 -0.2

Code Station Name Az AZZ Phase ID Time Res
MKAR 0.8nm,0.5s,baz=92,slow=11,SNR=8.4
MKAR 09 11 05.3
TIXI Tiksi 41.15 359 P 08 52 54.3 -0.6
KURB Kurchatov Arr 43.58 313 P 08 53 15.2 +0.2
KURB 0.6s,baz=100,slow=3.4,SNR=7.9

Code Station Name Az AZZ Phase ID Time Res
KSH Kashi 43.55 297 P 08 53 34.3 +4.8
KSH 08 53 45.2 +1.0
KSH 08 53 51.7 +1.2
KSH 08 53 51.7 +1.2

Code Station Name Az AZZ Phase ID Time Res
NRIK Noril'sk 45.95 340 P 08 53 32.3 -1.3
NRIK 2.6nm,0.5s,baz=111,slow=11,SNR=4.1
NRIK 09 14 40.4
BVAR Borovoye Array 48.80 316 P 08 53 56.4 +0.3
BRVK Borovoye Array 48.87 316 Op P 08 53 56.5 -0.1

Code Station Name Az AZZ Phase ID Time Res
KK31 Karatay Array 49.05 302 Op P 08 53 58.9 +0.8
KKAR Karatay Array 49.05 302 Op P 08 53 58.9 +0.7
WR1 Warramunga Arr 50.32 176 Op P 08 54 08.4 +0.5
WRA Warramunga Arr 50.32 176 Op P 08 54 08.4 +0.5

Code Station Name Az AZZ Phase ID Time Res
CHGR Chuyangaron 50.73 297 Op P 08 54 11.5 +0.5
ASAR Alice Springs 54.00 177 P 08 54 36.1 +0.9
ABKAR Akhtabaysay 55.57 311 Op P 08 54 46.2 -0.2

Code Station Name Az AZZ Phase ID Time Res
ARU Arti 55.60 320 Op P 08 54 45.8 -0.6
IM3 Inmud Mountain 56.50 28 Op P 08 54 52.9 +0.1
IM3 08 55 48.5 -0.7
AKTO Aktyubinsk 56.63 313 LR 09 21 10.2

Code Station Name Az AZZ Phase ID Time Res
PPLA Purkypille 57.30 32 Op P 08 54 58.5 -0.1
CAST Castle Rocks 57.31 31 Op P 08 54 58.9 +0.3
BPAW Bear Paw Mtn 57.75 31 Op P 08 55 02.3 +0.6

Code Station Name Az AZZ Phase ID Time Res
MLY Manley 57.79 29 Op P 08 55 03.6 +1.7
PMR Palmer 58.85 33 Op P 08 55 10.1 +0.8
GDM Murphy Dome 58.86 29 Op P 08 55 09.9 +0.5

Code Station Name Az AZZ Phase ID Time Res
MGT Alibek 59.33 299 P 08 55 13.9 +0.7
IL1 Ellison Array 59.45 Op P 08 55 13.4 -0.1
ILAR Ellison Array 59.45 30 Op P 08 55 14.2 +0.7

Code Station Name Az AZZ Phase ID Time Res
SCRK Sand Creek 60.82 30 Op P 08 55 23.8 +0.7
DOT Dot 60.85 31 Op P 08 55 23.8 +0.7
EGAK Eagle 61.87 29 Op P 08 55 30.5 +0.5

Code Station Name Az AZZ Phase ID Time Res
STKA Stephens Creek 62.91 170 Op P 08 55 35.1 -2.1
EPYK Eagle Plains 63.28 27 Op P 08 55 40.8 +1.4
INK Inuvik 63.93 24 P 08 55 44.0 +0.5

Code Station Name Az AZZ Phase ID Time Res
WSAR Wadi Sarin 64.01 283 LR 09 25 32.0
SPA0 Spitzbergen Ar 65.10 348 Op P 08 55 51.3 +0.1
ARAO ARCESS Array S 66.89 338 Op P 08 56 02.9 +0.2

Code Station Name Az AZZ Phase ID Time Res
ARCES ARCESS Array B 66.89 338 P 08 56 02.9 +0.2
KBZ Khabaz 68.36 309 Op P 08 56 13.3 +0.9
FIA1 FINESS Array S 70.32 330 Op P 08 56 23.6 -0.5

Code Station Name Az AZZ Phase ID Time Res
FIA0 FINESS Array B 70.32 330 Op P 08 56 23.1 -1.0
FINES FINESS Array S 70.32 330 Op P 08 56 23.1 -1.0
FINES 3.0nm,0.4s,baz=64,slow=5.5,SNR=40
FINES 09 28 22.4

Code Station Name Az AZZ Phase ID Time Res
RES Resolute Bay 70.82 12 LR 09 27 13.3
RES Resolute Bay 70.82 12 Op P 08 56 27.3 +0.2
YKA Yellowknife Ar 73.55 26 P 08 56 43.7 +0.2

Code Station Name Az AZZ Phase ID Time Res
YKBS Yellowknife Ar 73.55 26 Op P 08 56 43.4 -0.2
AKAG Malin Array Be 73.84 320 P 08 56 44.5 -1.0
NC405 NORSAR Array S 76.27 334 Op P 08 56 59.0 -0.4

Code Station Name Az AZZ Phase ID Time Res
BR101 Keskin Array S 76.32 308 Op P 08 56 59.9 -0.3
BRTR Keskin Array Be 76.32 308 Op P 08 56 59.9 -0.3
BRTR 2.4nm,0.6s,baz=86,slow=5.5,SNR=13
BRTR 09 35 18.6
NB2 NORSAR Subarra 76.51 334 P 08 56 59.7 -1.0
NB2 comp=Z,20nm,19.

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1d 9h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NB200, NOA, NOA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MEX 01, PNIG, PNIG, etc.

MEX 01 09:58:48.3-0.8, 16.00N, 98.27W, h8km, MD3.7, Near coast of Guerrero

ISCJB 01 09:00:06.2, 0.2, 20.43S, 0102.67, 98W, 0.03, h170km, 2km, mb4.2/45, Error ellipse: s-maj=4.0km s-min=3.4km az=10.8

IDC 01 09:00:06.5, 1.3, 20.24S, 67.79W, h156km, 10km, mb4.1/11, mb1.4/2.15, mb1mx4.0/30, mbtmp4.6/15, Error ellipse: s-maj=14.6km s-min=13.0km az=122.0

NEIC 01 09:00:06.5, 2.3, 20.37S, 67.89W, h156km, 6km, mb4.2/47, Error ellipse: s-maj=16.1km s-min=11.5km az=83.0

VAO 01 09:00:07.8, 0.4, 20.37S, 67.94W, h168km, 4km, mb4.5

GUC 01 09:00:07.8, 0.5, 20.37S, 68.18W, h184km, 4km, ML4.4

SCB 01 09:00:08.3, 2.2, 20.43S, 68.07W, h188km, 15km, ML4.8/3, Error ellipse: s-maj=8.8km s-min=5.9km az=1.0

ISC 01 09:00:06.7, 0.6, 20.44S, 047.99W, 0.04, h167km, 5km, n166, c056/212, mb4.2/45, 14C-1D, Southern Bolivia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PB08, PB08, PB08, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BS10, BS10, BS10, etc.

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

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

DDA 01 09:07:15.2, 1.2, 41.09N, 35.12E, h7km, 2km, ML2.8

ISCJB 01 09:07:16.2, 0.4, 41.16N, 0.03, 35.13E, 0.03, h10km, Error ellipse: s-maj=4.0km s-min=3.5km az=156.5

ISC 01 09:07:19.3, 4.1, 51N, 34.87E, h5km, ML2.0/5

ISC 01 09:07:14.7, 1.2, 41.17N, 0.03, 35.09E, 0.03, h6km, 11km, n16, c056/26, Turkey

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

KRSC 01 09:09:30.4, 10.0, 50.79N, 160.35E, h80km, 10km, ML3.7, East of Kuril Islands

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

IDC 01 09:09:37.5, 2.4, 1.54N, 66.91E, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.7/52, mbtmp3.7/3, MS3.2/4, M5.1 3.2/4, mb1mx2.7/49, Error ellipse: s-maj=84.7km s-min=38.8km az=62.0, Carlsberg Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like H0B2N, H0B2N, H0B2N, etc.

KRAR 01 09:16:47.0, 0.2, 53.22N, 87.56E, M2.5, Industrial explosion (after The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22ap + CD-ROM, 2014)

NNC 01 09:16:53.2, 0.2, 53.56N, 87.73E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=17.3km s-min=10.7km az=63.0, Suspected Mining explosion.

IDC 01 09:16:54.9, 3.0, 53.49N, 87.69E, h0km, mb1 3.5/3, mb1mx3.1/61, mbtmp3.5/3, ML3.2/3, Error ellipse: s-maj=30.6km s-min=15.7km az=54.0

ISC 01 09:16:54.0, 1.4, 53.6N, 01.877E, 0.2, h0km, n9, c057/11, 6C-5D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZAA0, ZAA0, ZAA0, etc.











Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Keskin Array B, GERES Array B, DAVOS DavosDischmat, etc.

ISC/JB 01 13:18:15.9:0.8, 13:83S:0:07:167:1E:0:1, h200km, mb3.7/10, Error ellipse: s-maj=19.4km s-min=9.6km az=0.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Mont Dzumac, Charter Tower, Stephens Creek, etc.

ISC/JB 01 13:33:37.8:0.3, 5:82N:0:03:125:91E:0:05, h122km, 4km, mb4.0/14, Error ellipse: s-maj=8.3km s-min=4.5km az=1.71

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Don Marcelino, General Santos, Mati, Davao City, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Kashi, Kurbb Kurchatov Arr, ILAR Eielson Array, etc.

ISC/JB 01 13:43:13.8:0.3, 44:93N:0:02:18:15E:0:03, h10km, Error ellipse: s-maj=3.7km s-min=2.5km az=25.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Doboj, Banja Luka, Han Pijesak, etc.

BUI 01 13:43:42.9, 21:99S:179:07W, h590km, mb4.8/32, mb4.9/16

MOS 01 13:43:42.1, 22:25S:179:59W, h573km, mb4.7/33, Error ellipse: s-maj=10.4km s-min=9.1km az=79.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Nonsavu, Raoul Island, Raoul Island, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for TWGZ Tauwharepara, TOZZ Tahuroa Road, MARZ Manawaha, etc.

ISC/JB 01 13:43:13.8:0.3, 44:93N:0:02:18:15E:0:03, h10km, Error ellipse: s-maj=3.7km s-min=2.5km az=25.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Whakapaparin, Kaahu Road, Shannon Statio, etc.

1d 13h

WRAB	Tennant Creek	42.99 264	eP	P	13 50 51.8	-0.8
WRAB	Tennant Creek	42.99 264	dIP	P	13 50 52.2	-0.4
WRAB	comp-Z, 1.4nm, 0.9s			pmax		
WRA	Warramunga Arr	43.00 264	P	P	13 50 52.3	-0.4
WRA	comp-Z, 2.5nm, 0.9s, baz=91, slow=4.8, SNR=300				13 52 29.9	+0.9
WRA	comp-Z, 0.9nm, 0.8s, baz=94, slow=3.8, SNR=5.0			ScP	13 55 28.6	+4.8
WRA	comp-Z, 2.6nm, 0.9s, baz=98, slow=13, SNR=7.8			S	13 56 33.1	-3.0
KIP	Kipapa	48.35 27	eP	P	13 51 33.5	+0.5
KIP	Kipapa	48.35 27	eP	P	13 51 33.3	+0.5
FAKI	Fak Fak	50.65 285	eP	P	13 51 48.9	-1.0
FITZ	Fitzroy Crossi	51.43 264	eP	P	13 51 55.9	+0.2
SOEI	Soe	55.21 274	eP	P	13 52 21.4	-1.2
SBA	Scott Base	55.88 183	eP	P	13 52 28.9	+2.9
VNDA	Vanda	55.88 185	eP	P	13 52 29.4	+3.4
VNDA	comp-Z, 5.2nm, 0.7s, baz=355, slow=7.5, SNR=36				13 52 26.6	+0.5
VNDA	comp-Z, 6.9nm, 0.8s				13 52 26.6	+0.5
VNDA	comp-Z, 7.0nm, 0.8s			pmax		
MMRI	Maumere	57.48 274	eP	P	13 52 37.1	-0.9
CASY	Casey	61.64 206	eP	P	13 53 05.9	+1.3
QSPA	South Pole Qui	67.65 180	eP	P	13 53 44.9	+2.3
MJAR	Matsushiro Arr	70.96 325	P	P	13 54 02.0	-0.6
MJAR	Matsushiro Arr	70.96 325	P	P	13 54 02.0	-0.6
MAJO	Matsushiro	70.96 325	eP	P	13 54 02.3	-0.3
MAJO	Matsushiro	70.96 325	dIP	P	13 54 02.1	-0.5
MAT	Matsushiro	70.96 325	P	P	13 54 02.0	-0.6
MJB9	Matsu-Tunnel	70.96 325	P	P	13 54 02.3	-0.3
LEM	Lembang	71.64 270	P	P	13 54 07.9	+0.6
KSM	Kuching	72.33 279	eP	P	13 54 11.2	+0.1
JNU	Nakatsuki	72.75 318	eP	P	13 54 12.9	-0.1
TPUB	Ta-pu	73.88 304	eP	P	13 54 18.6	-1.1
SSLB	Suanquili	73.90 305	eP	P	13 54 18.7	-1.1
YSS	Yuzh-Sakhalins	77.01 334	eP	P	13 54 37.4	+1.0
YSS	Yuzh-Sakhalins	77.01 334	eP	P	13 54 37.7	+1.3
TJN	Taejon	77.06 318	ceP	P	13 54 38.0	+1.0
KSR5	Korea Array	77.43 320	P	P	13 54 39.8	+0.9
KSAR	Wonju Array Be	77.44 320	P	P	13 54 39.8	+0.8
KSAR	Wonju Array Be	77.44 320	P	P	13 54 39.8	+0.8
KS01	Wonju Array Si	77.46 320	P	P	13 54 39.4	+0.3
PEA0B	Petrovavlovsk	77.78 346	eP	P	13 54 40.6	+0.1
PEA0B	Petrovavlovsk	77.78 346	eP	P	13 54 40.6	+0.1
PETK	Petrovavlovsk	77.78 346	P	P	13 54 40.3	-0.2
PETK	Petrovavlovsk	77.78 346	eP	P	13 54 40.5	0.0
PETK	Petrovavlovsk	77.78 346	eP	P	13 54 40.5	0.0
VLA	Vladivostok	79.08 326	ceP	P	13 54 48.2	+0.6
VLA	comp-Z, 1.2nm, 0.9s				13 54 48.3	+0.7
MSHR	Mys Sititsa	79.29 200	P	P	13 54 49.9	+1.6
MAW	Mawson	80.06 311	eP	P	13 54 54.0	+1.0
NJ2	Nanjing	80.06 311	eP	P	13 54 54.0	+1.0
TYV	Tymovskoe	80.24 337	eP	P	13 54 54.0	+0.6
TYV	comp-Z, 1.10nm, 2.4s					
TYV	comp-Z, 2.22nm, 0.9s			pmax		
PKM	Mcherson Peak	80.32 46	P	P	13 54 56.2	+1.6
KCPM	Cahto Peak	80.85 40	eP	P	13 54 56.9	-0.2
OSI	Osito Audit: C	80.89 47	P	P	13 54 59.3	+2.0
KMRM	Mail Ridge	81.11 40	eP	P	13 55 00.0	+1.7
MDJ	Mudanjiang	81.31 326	P	P	13 55 00.4	+1.3
MDJ	comp-Z, 2.5nm, 0.9s					
MDJ	comp-Z, 1.20nm, 4.0s			pmax		
MDJ	Mudanjiang	81.31 326	eP	P	13 55 00.1	+0.9
VER	Vestal, Richgr	81.36 46	P	P	13 55 00.2	+0.6
MURC	Murrieta	81.36 48	P	P	13 55 00.9	+1.2
BFSO	Mount Baldy Ra	81.40 48	P	P	13 55 01.0	+1.0
MONP2	Monument Peak	81.51 49	P	P	13 55 02.2	+1.5
KHMM	Horse Mountain	81.51 39	eP	P	13 55 02.6	+2.2
EDW2	Edwards Air Fo	81.54 47	P	P	13 55 02.0	+1.4
IKP	In-Ko-Pah, Jac	81.59 50	P	P	13 55 02.5	+1.5
O02D	Mt. Diablo Mer	81.63 40	P	P	13 55 03.1	+2.1
ISA	Isabella, Lake	81.66 46	eP	P	13 55 02.7	+1.4
ISA	Isabella, Lake	81.66 46	eP	P	13 55 02.7	+1.4
ISA	comp-Z, 1.3nm, 0.9s			pmax		
ISA	Isabella, Lake	81.66 46	P	P	13 55 02.6	+1.4
CMB	Columbia Colle	81.81 43	eP	P	13 55 03.1	+1.2
CMB	Columbia Colle	81.81 43	eP	P	13 55 03.1	+1.2
CMB	comp-Z, 1.4nm, 0.9s			pmax		
KRMB	Red Mountain	81.82 39	eP	P	13 55 04.2	+2.2
AFDM	Forest Hills D	81.98 42	eP	P	13 55 04.1	+1.2
ORV	Oroville	82.03 41	eP	P	13 55 04.1	+1.2
ORV	Oroville	82.03 41	eP	P	13 55 04.1	+1.2
ORV	comp-Z, 1.1nm, 0.9s			pmax		
WDC	Whiskeytown Da	82.03 40	eP	P	13 55 04.5	+1.6
WDC	Whiskeytown Da	82.03 40	eP	P	13 55 04.5	+1.6
WDC	comp-Z, 2.1nm, 1.1s			pmax		
N02D	Trinity Center	82.18 40	P	P	13 55 05.8	+2.1
O03E	Paynes Creek	82.30 41	P	P	13 55 05.5	+1.1
M02C	Callahan	82.35 39	P	P	13 55 06.3	+1.7
CWC	Cottonwood Cre	82.37 46	P	P	13 55 06.5	+1.6
L02E	Cave Junction	82.38 38	P	P	13 55 06.5	+1.8
MDPB	Devils Postpil	82.40 44	eP	P	13 55 06.5	+1.3
BELC	Belle Mtn, Jos	82.41 49	eP	P	13 55 06.7	+1.5
MPMC	Manual Prospec	82.54 46	P	P	13 55 07.3	+1.4
MLAC	Mammoth, Mammo	82.56 44	P	P	13 55 07.4	+1.4
GSC	Goldstone, Bar	82.58 47	eP	P	13 55 07.1	+1.2
GSC	Goldstone, Bar	82.58 47	eP	P	13 55 07.1	+1.2

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GSC	comp-Z, 10.0nm, 1.0s			pmax		
GSC	Goldstone, Bar	82.58 47	P	P	13 55 07.0	+1.1
BC3	Big Chuckawall	82.60 49	P	P	13 55 07.9	+1.8
TIN	Tinemaha, Big	82.62 45	P	P	13 55 07.5	+1.4
HEC	Hector, Ludlow	82.64 48	P	P	13 55 07.3	+1.1
YBH	Yreka Blue Hor	82.65 39	P	P	13 55 07.5	+1.4
YBH	Yreka Blue Hor	82.65 39	P	P	13 55 07.6	+1.4
YBH	Yreka Blue Hor	82.65 39	eP	P	13 55 07.6	+1.5
WAKR	Walker	82.69 43	eP	P	13 55 07.8	+1.3
K02D	Willamette Mer	82.70 38	P	P	13 55 08.1	+1.7
GLA	Glamis	82.72 50	eP	P	13 55 08.4	+1.8
GLA	Glamis	82.72 50	P	P	13 55 08.6	+2.0
NKL	Nikolayevsk	82.81 337	eP	P	13 55 06.0	-0.4
J01E	Myrtle Point	82.85 37	P	P	13 55 08.8	+1.9
BEKR	Beckworth	82.92 42	eP	P	13 55 08.9	+1.3
PNTR	Pine Nut	82.93 43	eP	P	13 55 09.2	+1.4
CN2	Changchun	82.99 323	eP	P	13 55 08.5	+0.9
KDAK	Kodiak Island	83.00 14	P	P	13 55 07.6	+0.2
KDAK	Kodiak Island	83.00 14	P	P	13 55 07.8	+0.5
HUMO	Hull Mountain	83.05 38	eP	P	13 55 10.0	+1.9
GMRC	Granite Mounta	83.07 48	P	P	13 55 09.8	+1.3
IRM	Iron Mountain	83.09 49	P	P	13 55 10.0	+1.5
YERR	Yerrington	83.09 43	eP	P	13 55 09.8	+1.3
GRAC	Grapevine Rang	83.15 45	P	P	13 55 10.3	+1.6
L04D	Klamath Falls	83.19 39	P	P	13 55 10.3	+1.4
M04C	Meadow Spring	83.19 40	P	P	13 55 10.3	+1.4
FURC	Furnace Creek,	83.19 46	P	P	13 55 10.3	+1.5
TUQ	Turquoise Moun	83.25 47	P	P	13 55 10.6	+1.2
SHOC	Shoshone, Teco	83.27 47	P	P	13 55 10.5	+1.2
Y12C	Blythe	83.31 49	eP	P	13 55 10.8	+1.4
Y12C	Blythe	83.31 49	P	P	13 55 11.2	+1.8
RYN	Ryan	83.34 44	eP	P	13 55 11.1	+1.3
NV01	Mina Array Sit	83.36 44	P	P	13 55 10.7	+0.8
NVAR	Mina Array Bea	83.36 44	P	P	13 55 10.9	+1.0
PAHR	Pah Rah Range	83.42 42	eP	P	13 55 11.2	+1.1
NV11	Mina Array Sit	83.46 44	eP	P	13 55 11.3	+1.0
KLR	Kul dur	83.49 330	deP	P	13 55 10.7	+0.7
I03D	Drain, OR	83.52 37	P	P	13 57 13.2	-3.0
214A	Organ Pipe Nat	83.59 52	P	P	13 55 11.9	+1.6
KVN	Kaiserville	83.85 43	eP	P	13 55 13.0	+2.0
KVN	Kaiserville	83.85 43	eP	P	13 55 13.2	+0.9
KVN	Kaiserville	83.85 43	eP	P	13 55 13.2	+0.9
TPNV	Topopah Spring	83.87 46	eP	P	13 55 13.5	+1.1
TPNV	Topopah Spring	83.87 46	eP	P	13 55 13.5	+1.1
TPNV	comp-Z, 1.7nm, 1.4s			pmax		
TPNV	Topopah Spring	83.87 46	P	P	13 55 13.5	+1.1
PDMCI	Parker Dam, Lak	83.87 49	P	P	13 55 13.7	+1.5
J04D	Umpqua Nationa	83.93 38	P	P	13 55 14.1	+1.5
I04A	Tendick Farm,	84.11 38	P	P	13 55 14.1	+0.8
MOD	Modoc Plateau	84.17 40	eP	P	13 55 14.7	+1.0
SHPR	Sheep Range	84.35 47	eP	P	13 55 15.7	+0.9
H04D	Lebanon	84.38 37	P	P	13 55 16.0	+1.5
J05D	Fort Rock, OR	84.46 39	P	P	13 55 16.7	+1.6
SKNT	Sakalinakorn	84.48 291	P	P	13 55 16.9	+1.3
G03D	McMinnville, O	84.53 36	P	P	13 55 17.2	+2.0
SYO	Syowa Base	84.55 193	eP	P	13 55 14.8	-0.2
SYO	Syowa Base	84.55 193	eP	P	13 55 18.0	+0.8
SYO	Syowa Base	84.55 193	eP	P	13 57 23.0	+1.2
PINE	Pine Mountain	84.94 38	eP	P	13 55 18.8	+1.2
I05D	Terrebonne, OR	85.05 38	P	P	13 55 19.1	+1.3
R11A	Troy Canyon, C	85.08 45	P	P	13 55 19.1	+0.8
BR1K	Bradley Lake	85.18 14	eP	P	13 55 17.8	-0.2
KHON	Khomkaen	85.22 290	P	P	13 55 21.5	+2.3
KHON	Khomkaen	85.22 290	P	P	13 55 21.5	+2.3
TUC	Tucson	85.25 52	eP	P	13 55 20.4	+1.3
TUC	Tucson	85.25 52	eP	P	13 55 20.4	+1.3
TUC	comp-Z, 9.0nm, 0.8s			pmax		
TUC	Tucson	85.25 52	P	P	13 55 20.9	+1.8
MA2	Magadan	85.27 345	P	P	13 55 17.9	-0.6
MA2</						



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CESSI Serrava, DMFO Fioridomonte, ASSB Assisi San Ben, etc.

ISC/JB 01 14:00:25.8:1.5,32:05S:0:03:70:8W:0.1, h102km,14km, Error ellipse: s-maj=18.5km s-min=5.6km az=176.5

GUC 01 14:00:26.3:0.6,32:08S:70:81W, h84km,7km, ML2.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMCH Combarbala, ROCH El Roble, AUSP Ospina, etc.

MEX 01 14:12:36.8:0.5,16:34N:98:27W, h14km,2km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PNIG Pinotepa, TLIG Tlaxiapa, VHO Vieta Hermosa, etc.

ISC/JB 01 14:29:04.4:0.7,40:12N:0:04:41:03E:0.04, h13km,5km, Error ellipse: s-maj=7.0km s-min=5.6km az=170.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KRIK Erzurum-spir, BAYB BAYBURT, HOPR Hoprukoy-ERZUR, etc.

ISC 01 14:34:47.1,37:57N:35:59E, h5km, ML2.3/11

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKO Adana, KOZT Kozan, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KARAA Karaisali, KARA KARA, CEYH Ceyhan, etc.

ISK 01 14:38:18.7,37:58N:35:57E, h5km, ML2.4/8

ISC/JB 01 14:38:19.6:0.4,37:55N:0:03:35:59E:0.03, h10km,5km, Error ellipse: s-maj=5.1km s-min=4.0km az=149.5

DDA 01 14:38:19.2,37:54N:35:59E, h7km,2km, ML2.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKO Adana, KOZT Kozan, KARAA Karaisali, etc.

ISC 01 14:42:04.0:2.3,10:57N:91:88E, h0km, mb3.3/3, mb1.3/4, mb1mx3.1/51, mbtmp3.2/4, ML3.4/1, Error ellipse: s-maj=71.6km s-min=27.8km az=66.0, Andaman Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, H08S3 Diego Garcia H, H08S2 Diego Garcia H, etc.

ISC 01 14:49:41.2:0.9,30:61S:177:51W, h0km, mb4.2/7, mb1.4/9, mb1mx4.1/39, mbtmp4.2/9, ML3.4/1, Error ellipse: s-maj=23.7km s-min=19.7km az=126.0

NEIC 01 14:49:42.0:4.0,37:79S:177:63W, h10km, mb4.8/7, Error ellipse: s-maj=11.4km s-min=6.9km az=107.0

ISC/JB 01 14:49:43.6:0.7,30:85S:0:05:177:6W:0.1, h33km, mb4.2/9, MS3.9/12, Error ellipse: s-maj=15.2km s-min=6.5km az=11.8

ISC 01 14:49:45.1:0.7,30:79S:0:06:177:6W:0.1, h33km, n58, c201153, mb4.2/9, MS4.0/12, Kermadec Islands

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, AS31 Alice Springs, etc.

ISC 01 14:53:41.7:2.8,30:60S:177:96W, h0km, mb3.2/2, mb1.3/3, mb1mx3.4/33, mbtmp3.7/4, Error ellipse: s-maj=68.6km s-min=20.9km az=111.0, Kermadec Islands

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

ISC 01 14:53:50.7:3.2,30:00S:177:26W, h0km, mb3.7/4, mb1.3/9, mb1mx3.6/32, mbtmp3.7/4, Error ellipse: s-maj=135.1km s-min=41.0km az=158.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

ISC/JB 01 14:57:16.9:2.8,30:88S:0:07:177:1W:0.4, h35km, mb3.9/6, Error ellipse: s-maj=48.3km s-min=8.7km az=6.4

NEIC 01 14:57:18.9:2.8,30:72S:177:39W, h10km, mb4.0/3, Error ellipse: s-maj=30.3km s-min=13.3km az=102.0

ISC 01 14:57:18.2:2.9,30:57S:177:57W, h0km, mb3.9/4, mb1.4/1, mb1mx3.7/27, mbtmp3.9/4, Error ellipse: s-maj=56.9km s-min=23.9km az=107.0

ISC 01 14:57:18.1:1.7,30:78S:0:07:177:0W:0.2, h35km, n18, c1949:20, mb4.0/6, Kermadec Islands

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

NEIC 01 15:03:07.6:2.0,30:56S:177:21W, h10km, mb4.5/5, Error





Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like MDJ, MAT, MJAR, etc.

SOME 01 15:29:13.8, 43.12N; 78.43E, h10km
NMC 01 15:29:13.4, 0.4, 43.13N; 78.45E, h0km, mb2.9, mpv3.1,
Error ellipse: s-maj=3.4km s-min=2.1km az=169.0

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like SATY, KURS, UZB, etc.

Main table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like MDOK, ARXS, CHKK, etc.

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like AAK, AAK, ARLS, etc.

IDC 01 15:34:09.5, 1.7, 0.98N; 123.16E, h0km, mb3.2/3,
mb1 3.5/4, mb1mx3.3/37, mtb3.3/4, ML3.7/1, Error
ellipse: s-maj=147.2km s-min=24.6km az=65.0

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like MRSI, MRSI, etc.

SJA 01 15:54:49.4, 0.5, 22.89S; 69.10W, h104km, 8km, ML2.6,
MW3.1
ISCJB 01 15:54:50.6, 1.2, 22.90S; 0.05, 69.08W; 0.07, h98km, 9km,
Error ellipse: s-maj=10.2km s-min=9.0km az=170.4

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like LVC, LVC, etc.

ISC 01 15:54:52.0, 1.9, 22.87S; 0.06, 69.09W; 0.06, h88km, 12km,
+15, +0.65/26, 6C-2D, Northern Chile

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like PB15, PB15, etc.

ISCJB 01 16:16:46.6, 0.9, 0.6N; 0.1, 122.26E; 0.08, h100km,
mb3.1/3, Error ellipse: s-maj=15.3km s-min=11.2km
az=11.7

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like MRSI, MRSI, etc.

IDC 01 16:16:49.8, 3.9, 0.66N; 122.51E, h112km, 31km, mb3.0/3,
mb1 3.2/4, mb1mx3.0/48, mtb3.3/4, Error ellipse:
s-maj=136.4km s-min=18.7km az=64.0

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like MRSI, MRSI, etc.

MDD 01 16:26:25.3, 1.8, 37.23N; 12.63W, h0km, mb4.1/5, Error
ellipse: s-maj=16.6km s-min=14.6km az=58.0, PRXIMO
INMG 01 16:26:26.5, 1.1, 37.06N; 13.04W, h10km, ML2.5, Error
ellipse: s-maj=6.4km s-min=5.1km az=98.0

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res, ISC, h, m, s, ISC. Includes stations like PFVI, PFVI, etc.





1d 16h

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

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Table with columns: SIGR, AML, AML, Time, Res, ISC. Includes stations like PSRA, Psara, CHOS, Chios island, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like EDC, Edincik, PAIG, Paliour, etc.

MEX 01 16:53:57.6:0.5,27:51N\*111:57W, h10km, MD3.6, Gulf of California

IDD 01 16:54:54.9:0.8,38:79N:26:07E, h0km, mb3.6/12, mb1 3.7/16, mb1mx3.6/54, mbtop3.6/16, ML3.8/5, MS3.0/6, MS1 3.0/6, ms1mx2.7/48, Error ellipse: s-maj=15.5km s-min=13.7km az=60.0

ISK 01 16:54:55.9, 38:85N:25:98E, h12km, ML4.2/27, ATH 01 16:54:55.8, 38:82N:26:01E, h31km, ML3.9/11, Error ellipse: s-maj=1.7km s-min=1.7km az=92.0

DDA 01 16:54:56.1, 38:85N:26:01E, h37km, ML4.2, ISCBJ 01 16:54:56.1:0.3, 38:85N:01:25:96E:0.2, h15km, 2km, mb3.7/16, MS3.0/3, Error ellipse: s-maj=2.1km s-min=1.7km az=170.6

THE 01 16:54:56.9, 38:84N:25:98E, h13km, ML3.8/10, Error ellipse: s-maj=1.1km s-min=0.5km az=83.0

NEIC 01 16:54:56.9:0.0, 38:84N:25:99E, h13km, mb4.3/2, MD4.2/ISK, ML3.8/10, THE, After THE, ISC 01 16:54:56.8:0.9, 38:84N:01:25:96E:0.02, h14km, 6km, n277, \*085/313, mb3.8/16, MS3.1/3, 22C-19D, Aegean Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SIGR, SIGRI, PSRA, Psara, etc.



1d 17h

Table with columns: SATY, Saty, Time, Res, ISC, h, m, s, ISC. Lists various seismic events with their respective times and magnitudes.

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Table with columns: ARXS, Arharly, Time, Res, ISC, h, m, s, ISC. Lists seismic events from the ARXS network, including station names and magnitudes.

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Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Lists seismic events from various stations, including station names and magnitudes.

HEL 01 17:42:32.6;0.2,67.61N;15.04E,h9km,2km,ML2.0, ML2.2(BER),ML2.3(UPP),Confirmed Earthquake

ISC 01 17:42:30.6;0.7,67.52N;0.02;15.14E;0.02,h10km,n78, c=237/130,Northern Norway

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations including Lofoten, Kongsvik, Salu, and various other locations.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations including Hagfjors, HFS, and various other locations.

ISCJB 01 17:47:26.8;0.4,34.87N;0.03;139.78E;0.04,h53km,4km, mb3.4/7, Error ellipse: s-maj=6.0km s-min=4.4km

JMA 01 17:47:27.1;0.1,34.87N;139.78E,h46km,1km,M3.2, JMA Felt 1/1

ISC 01 17:47:29.2;1.0,34.80N;139.58E,h63km,11km,mb3.1/7, mb1.3/4.8,mb1mx3.1/4.7,mbtm3.4/8,MS1.8/2,MS1.8/2, ms1mx1.8/1.6, Error ellipse: s-maj=29.0km s-min=5.0km az=71.0

ISC 01 17:47:27.5;0.8,34.88N;0.04;139.76E;0.03,h44km,6km, n31,c074/38,mb3.4/7,2-CD,NB, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations including TATEYAMA 2, Oshima 3, Boso 4, and various other locations.

MEX 01 17:48:28.8;0.6,15.71N;96.04W,h1km,MD3.6, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations including Huatulco, Vista Hermosa, and various other locations.

IDC 01 18:00:00.1;2.0,28.62S;177.49W,h0km,mb3.7/2, mb1.9/2,mb1mx3.5/36,mbtm3.7/2, Error ellipse: s-maj=55.2km s-min=19.1km az=110.0, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations including Raoul Island, Alice Springs, Warramunga Arr, and various other locations.

IDC 01 18:09:22.6;0.9,2.50N;90.30E,h0km,mb4.1/13, mb1.4/2.15,mb1mx3.9/52,mbtm4.1/15,ML4.3/2,MS3.5/5, MS1.3/5.5,ms1mx3.0/40, Error ellipse: s-maj=29.8km s-min=17.0km az=47.0

ISCJB 01 18:09:24.9;0.6,2.42N;0.07;90.32E;0.05,h33km, mb4.3/22,MS3.8/3, Error ellipse: s-maj=10.1km s-min=7.7km az=8.2

NEIC 01 18:09:25.5;2.4,2.44N;90.35E,h23km,16km,mb4.4/12, Error ellipse: s-maj=11.4km s-min=6.8km az=218.0

ISC 01 18:09:26.9;0.7,2.4N;0.1;90.27E;0.08,h35km,n69, c1547/58,mb4.3/22,MS3.5/4, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations including LHMH, GSI, PSI, and various other locations.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AROD Rodeo, ACCO Cerro Coronel, RTLS Leonicito, etc.

ISCJB 01 18:40:30.1±1.0, 81.6S; 0.2±158.8E; 0.1, h111km, mb3.6/5, Error ellipse: s-maj=24.8km s-min=11.7km az=26.5

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

IDC 01 18:40:53.0±13.0, 18.72S; 166.87E, h0km, mb3.9/3, mb1 4.1/4, mb1mx3.6/39, mbtmp4.0/4, ML4.4/1, Error ellipse: s-maj=226.0km s-min=36.4km az=67.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

UCR 01 18:42:52.3±0.9, 13.08N; 88.98W, h47km, gkm, MD3.5, ML3.5, 2C-3D, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LFRS El Faro, SNVI San Vicente, TECA Tecapa, etc.

IDC 01 18:51:22.9±4.0, 10.36N; 91.14E, h0km, mb3.5/4, mb1 3.6/4, mb1mx3.3/48, mbtmp3.5/4, Error ellipse: s-maj=151.4km s-min=25.7km az=67.0, Andaman Islands region

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

NIED 01 18:53:00, 39.50N; 143.60E, h20km, Mw6.0 Best double couple: M9.93000°101°, NP1=187.00000°, 819.00000°, 1.71.00000°, NP2=277.00000°, 872.00000°, 1.96.00000°

BJI 01 18:53:15.0±3.9, 51N; 143.19E, h10km, mb5.8/66, MbE, 1/68, MsE, 4/97, Ms7, 6.3/87

IDC 01 18:53:15.3±0.4, 39.51N; 143.26E, h0km, mb5.3/38, mb1 5.4/42, mb1mx5.3/46, mbtmp5.3/42, ML4.7/4, MS5.7/53, Ms1.5/753, ms1mx5.6/63, Error ellipse: s-maj=13.0km s-min=9.0km az=110.0

JMA 01 18:53:15.7±0.2, 39.51N; 143.52E, h29km, 5km, M6.2 JMA Felt III J1

ISCJB 01 18:53:15.5±0.5, 39.53N; 0.01; 143.24E; 0.01, h10km, 3km, mb5.5/488, MS5.9/220, Error ellipse: s-maj=2.5km s-min=1.7km az=150.0

NEIC 01 18:53:16.0±0.0, 39.54N; 143.58E, h15km Best double couple: NP1=16.00000°, 876.00000°, 1.91.00000°, NP2=192.00000°, 814.00000°, 1.86.00000°

NEIC 01 18:53:17.4±0.1, 39.53N; 143.17E, h14km, mb5.6/296, MS5.8, MS5.7/93, MW6.0, MW6.0, MW6.0 Error ellipse: s-maj=2.8km s-min=1.8km az=143.0 Best double couple: NP1=179.00000°, 817.00000°, 1.84.00000°, NP2=162.00000°, 875.00000°, 1.98.00000°

NP1=136.00000°, 811.00000°, 1.27.00000°. NP2=20.00000°, 885.00000°, 1.100.00000°. Principal axes: T Plg49.00000°, Azm301.00000°. N Plg0.00000°. P Plg39.00000°, Azm101.00000°. Apparent Stress 0.49 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt (III) at Sendai. Also felt at Akita, Aomori, Furukawa, Hachinohe, Ichinoseki, Kesennuma Shi, Koriyama, Misawa, Morioka and Yokote. Recorded [3 JMA] in Akita, Aomori, Iwate, Miyagi and Yamagata.

MOS 01 18:53:19.0±1.0, 39.63N; 143.14E, h34km, mb5.9/124, MsE, 1/64. Error ellipse: s-maj=5.3km s-min=3.6km az=103.4

GCMT 01 18:53:22.4±0.1, 39.56N; 0.01; 143.23E; 0.01, h23km, MW6.0/129, Moment Tensor Solution. s114.c23r, s129.c40B; Duration: 2s3 Moment tensor: Scale 10^18 Nm; Mn:0.60±0.01; M0:0.01±0.01; M0:0.59±0.01; M0:0.39±0.01; M0:0.15±0.00; M0:0.78±0.01; Best double couple: M0:1.06900x10^18 NP1=24.00000°, 873.00000°, 1.97.00000°. NP2=183.00000°, 818.00000°, 1.70.00000°. Principal axes: T 1.0670, Plg62.00000°, Azm304.00000°; N 0.0030, Plg6.00000°, Azm202.00000°; P -1.0700, Plg27.00000°, Azm109.00000°; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface/pressure waves, cutoff=50s. Triangular moment-ratio function

NEIC 01 18:53:40.6±0.0, 40.04N; 143.41E, h28km, Moment Tensor Solution. s28 Moment tensor: Scale 10^18Nm; Mn:0.57; M0:0.05; M0:0.62; M0:0.30; M0:0.15; M0:1.18; Best double couple: M0:1.40000x10^18 NP1=190.00000°, 813.00000°, 1.86.00000°. NP2=14.00000°, 877.00000°, 1.91.00000°. Principal axes: T 1.3200, Plg58.00000°, Azm285.00000°; N 0.0800, Plg1.00000°, Azm194.00000°; P -1.4100, Plg32.00000°, Azm103.00000°

ISC 01 18:53:17.6±0.4, 39.55N; 0.02; 143.27E; 0.02, h16km, 2km, h17±0.1P-P, 1663, 1633/1842, mb5.6/518, MS5.9/237, 156C-19D, Off east coast of Honshu

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

IS03P ISUMI INFRASOUND 4.80 210 Pn Sn 18 54 30.3 ±1.0

IS03P baz=22, slow=15, SNR=1.1

GRPR Tuman 4.86 222 iP Pn 18 54 27.4 ±2.5

GRPR comp=E, 1.0um, 0.4s pmax pmax

GRPR comp=N, 836nm, 0.5s smax smax

GRPR comp=N, 7.0um, 10.0s MRL MRL

GRPR comp=N, 7.0um, 12.0s MRL MRL

GRPR comp=N, 9.0um, 14.0s MRL MRL

GRPR comp=N, 13nm, 0.3s, baz=38, slow=11, SNR=889

MAJO Matushiro 4.97 235 eP Pn 18 54 33.5 ±2.0

MAJO Matushiro 4.97 235 eP Pn 18 54 33.5 ±2.0

MAJO Matushiro 4.97 235 eP Pn 18 54 33.5 ±2.0

MAJO Matushiro 4.97 235 eP Pn 18 54 33.5 ±2.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SHO comp=N, 3um, 0.4s smax smax, SHO comp=N, 3um, 0.5s MRL MRL, etc.

INU Inuyama 6.48 232 eP Pn 18 54 53.1 ±0.9

KUR Kurik'sk 6.66 229 dP Pn 18 54 53.1 ±1.5

KUR comp=N, 326nm, 0.5s pmax pmax

KUR comp=N, 2.4um, 4.5s pmax pmax

KUR comp=N, 4.0um, 5.5s pmax pmax

KUR comp=N, 1.0um, 2.0s smax smax

KUR comp=N, 2.0um, 0.8s smax smax

KUR comp=N, 1.0um, 7.0s smax smax

KUR comp=N, 7.0um, 6.3s MRL MRL

KUR comp=N, 3.1um, 11.0s MRL MRL

KUR comp=N, 1.0um, 14.0s MRL MRL

JHJ Mitsune 6.96 205 eP Pn 18 54 57.4 ±1.4

JHJ Hachijo Jimu 6.97 205 Pn 18 54 59.5 ±0.6

JHJ comp=N, 164m, 0.3s, baz=346, slow=20, SNR=27

JHJ comp=N, 1.46nm, 0.3s, baz=37, slow=22, SNR=67

JHJ comp=N, 4.4um, 19.9s, baz=50, slow=40

JHJ Ternei 7.41 320d eP Pn 18 55 08.3 ±3.4

JHJ comp=N, 150nm, 0.7s pmax pmax

JHJ comp=N, 200nm, 0.7s pmax pmax

JHJ comp=N, 250nm, 0.7s smax smax

JHJ comp=N, 290nm, 1.0s smax smax

JHJ comp=N, 260nm, 1.2s MRL MRL

JHJ comp=N, 93um, 13.0s MRL MRL

JHJ comp=N, 63um, 17.0s MRL MRL

JHJ comp=N, 2.158um, 15.0s YSS YSS

JHJ Yuzh-Sakhalins 7.45 357 eP Pn 18 55 05.3 ±0.2

JHJ Yuzh-Sakhalins 7.45 357 iP Pn 18 55 02.7 ±0.7

JHJ comp=N, 4.0um, 7.2s pmax pmax

JHJ comp=N, 2.4um, 7.2s pmax pmax

JHJ comp=N, 320nm, 0.9s pmax pmax









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KAPI	Kappang	49.33 212	eP	P	19 02 06.5 +0.5
KAPI	comp=Z,180nm,1.3s		pmax	pmax	
KAPI	comp=Z,2um,20.0s		MLR	MLR	
KAPI	Kappang	49.33 212	P	P	19 02 06.3 +0.3
KAPI	SNR=28		P	P	19 02 06.3 +0.3
KAPI	SNR=28		P	P	19 02 06.3 +0.3
BKSI	Bulukumba	49.46 211	P	P	19 02 07.8 +0.8
BKSI	comp=Z,239nm,0.8s,comp=Z,724nm		P	P	19 02 04.4 -2.4
BRZS	Berezinski	49.47 307	eS	S	19 09 11.9 -1.4
BRZS	comp=Z,925nm,0.6s		pmax	pmax	
BRZS	comp=N,440nm,6.9s		smax	smax	
BRZS	comp=Z,10um,15.0s		MLR	MLR	
BRZS	Berezinski	49.47 307	eS	P	19 02 04.4 -2.4
BRZS	comp=Z,925nm,0.7s		eP	S	19 09 11.9 -1.4
BRZS	comp=Z,440nm,6.9s		eLR	LR	19 23 53.6
ULHL	Ulhoj	49.56 296	P	P	19 02 07.5 -0.3
ULHL	SNR=3		P	P	19 02 10.4 +1.0
TKM2	Tokmak 2	49.77 297	P	P	19 02 10.4 +1.0
TKM2	SNR=294		P	P	19 02 10.9 +0.9
DANN	Dangsing	49.81 276	eP	P	19 02 14.1 +3.1
DANN	comp=Z,1um,0.6s		P	P	19 02 11.3 +0.4
SKLT	Songkhla	49.97 241	P	P	19 02 11.3 +0.4
SKLT	comp=Z,48nm,0.9s,comp=Z,2um		P	P	19 02 11.3 +0.4
BVAR	Borovyoye Array	50.02 311	eP	S	19 09 21.1 +0.2
BVAR	comp=Z,78nm,0.7s,baz=80,slow=8.1,SNR=251		S	S	19 09 21.1 +0.2
BVAR	comp=Z,3.0nm,0.9s,baz=86,slow=12,SNR=3.6		S	S	19 02 13.4 +1.8
BSSI	Bau Bau, Buton	50.06 210	P	P	19 02 11.6 +0.3
BRVK	Borovyoye	50.07 311	eP	P	19 02 11.6 +0.3
BRVK	comp=Z,130nm,0.8s		LR	LR	
BRVK	comp=Z,14um,19.0s		eP	pmax	19 02 11.6 +0.3
BRVK	comp=Z,130nm,0.8s		MLR	MLR	
BRVK	Borovyoye	50.07 311	eP	P	19 02 11.8 +0.5
BRVK	SNR=64		P	P	19 02 11.8 +0.5
BRVK	SNR=64		P	P	19 02 11.8 +0.5
TRTT	Trang	50.12 243	P	P	19 02 14.4 +2.2
TRTT	comp=Z,19nm,1.1s,comp=Z,835nm		P	P	19 02 13.6 +0.6
KOLN	Koldanda	50.22 276	eP	P	19 02 15.1 +1.3
KOLN	comp=Z,521nm,1.1s		P	P	19 02 14.2 +0.7
KZ	Kyzart	50.31 296	P	P	19 02 13.7 +0.2
KZ	SNR=62		P	P	19 02 14.5 +0.4
KBK	Karagaybulak	50.31 297	P	P	19 02 15.2 +0.6
KBK	SNR=234		P	P	19 02 15.3 +0.6
CHMS	Chumysh	50.32 298	P	P	19 02 15.2 +0.6
CHMS	SNR=37		P	P	19 02 15.3 +0.6
USP	Ospenovka	50.40 298	P	P	19 02 15.3 +0.6
USP	SNR=60		P	P	19 02 15.3 +0.6
FRU1	Bishkek	50.47 297	eP	P	19 02 15.3 +0.6
FRU1	comp=Z,238nm,1.3s		eP	pmax	
FRU1	Bishkek	50.47 297	eP	pmax	
FRU1	comp=Z,240nm,1.3s		MLR	MLR	
FRU1	comp=Z,30um,19.0s		IAMs_20	IAMs_20	19 25 23.3
BOK	Bokaro	50.49 270	eP	IAMB	19 02 15.1 +0.2
BOK	comp=Z,131nm,1.4s		IAMB	IAMB	19 02 18.4
BOK	comp=Z,8um,17.4s		IAMs_20	IAMs_20	19 25 23.3
PYUN	Piuthan	50.52 276	eP	P	19 02 15.9 +0.5
PYUN	comp=Z,957nm,0.9s		P	P	19 02 16.3 +0.3
AAK	Ala-Archa	50.63 297	P	S	19 09 30.7 +0.6
AAK	comp=Z,39nm,0.8s,baz=109,slow=6.8,SNR=52		S	S	19 02 15.8 -0.2
AAK	Ala-Archa	50.63 297	eP	P	19 02 16.3 +0.3
AAK	comp=Z,62nm,0.8s		eS	S	19 09 30.7 +0.6
AAK	comp=Z,35um,20.0s		LR	LR	
AAK	Ala-Archa	50.63 297	iP	P	19 02 16.2 +0.3
AAK	SNR=60		P	P	19 02 16.0 +0.1
AAK	Ala-Archa	50.63 297	iP	pmax	
AAK	comp=Z,82nm,1.3s		MLR	MLR	
AAK	comp=Z,33um,19.0s		MLR	MLR	
AAK	Ala-Archa	50.63 297	P	P	19 02 16.1 +0.2
AAK	SNR=48		P	P	19 02 16.1 +0.2
AAK	SNR=48		P	P	19 02 16.1 +0.2
EPYK	Eagle Plains	50.66 31	eP	P	19 02 16.8 +1.2
EPYK	comp=Z,10nm,1.0s		P	P	19 02 17.0 +1.4
EPYK	Eagle Plains	50.66 31	P	P	19 02 17.0 +1.4
EPYK	baz=280		P	P	19 02 20.6 +3.7
KSH	Kashi	50.76 293	P	pwp	19 02 26.8 +2.5
KSH	comp=Z,10nm,1.0s		pP	pP	19 02 30.5 +7.4
KSH	comp=Z,10nm,1.0s		sP	sP	19 03 34.8 +1.0
KSH	comp=Z,10nm,1.0s		PpP	PpP	19 04 18.1 +5.2
KSH	comp=Z,10nm,1.0s		S	S	19 09 35.4 +3.5
KSH	comp=Z,10nm,1.0s		sS	sS	19 09 43.3 +4.0
KSH	comp=Z,10nm,1.0s		SS	SS	19 13 09.7 +3.6
KSH	comp=Z,190nm,1.1s		pmax	pmax	
KSH	comp=Z,4um,6.0s		pmax	pmax	
KSH	comp=Z,6um,10.9s		LR	LR	
KSH	comp=Z,5um,13.3s		LR	LR	
KSH	comp=Z,44um,18.4s		LR	LR	
PKDT	Phuket	51.02 244	P	P	19 02 20.5 +1.6
PKDT	comp=Z,64nm,1.0s,comp=Z,989nm		P	P	19 25 05.0
HNR	Honiar	51.09 159	LR	LR	19 25 05.0
HNR	comp=Z,3um,18.9s,baz=328,slow=37		LR	LR	19 02 19.9 +0.4
EKS2	Erkin-Say	51.11 297	eP	P	19 02 21.7 +0.5
EKS2	SNR=57		P	P	19 02 23.0 +1.8
KULM	Kulim	51.32 240	eP	P	19 02 21.5 +0.1
KULM	comp=Z,79nm,1.3s		P	P	19 02 25.4
KULM	DGPR	51.35 254	eP	IAMB	19 02 25.4
KULM	DGPR	51.35 254	eP	IAMB	19 02 25.4
AML	Almayashu	51.37 297	P	P	19 02 22.7 +0.9
AML	SNR=35		P	P	19 02 23.7 +1.9
HYT	Haines Junctio	51.45 38	eP	P	19 02 22.8 +0.8
HYT	comp=Z,154nm,1.1s		P	P	19 28 10.0
INK	Inuvik	51.52 28	eP	LR	19 02 22.7 +0.7
INK	comp=Z,10nm,0.8s,baz=299,slow=6.2,SNR=43		LR	LR	19 28 10.0
INK	comp=Z,5um,18.2s,baz=270,slow=4.1		P	P	19 02 22.7 +0.7
INK	Inuvik	51.52 28	eP	P	19 02 22.7 +0.7
INK	comp=Z,49nm,0.9s		eP	pmax	
INK	Inuvik	51.52 28	eP	pmax	
IPM	Ipoth	51.67 239	eP	P	19 02 23.7 -0.2
IPM	comp=Z,117nm,1.4s		P	P	19 02 25.0 +0.9
MMRI	Maumere	51.72 207	eP	P	19 02 26.2 +2.1
MMRI	comp=Z,355nm,1.4s		P	P	19 02 25.2 -0.3
MMRI	Maumere	51.72 207	P	P	19 02 27.0 +1.5
MMRI	comp=Z,128nm,1.2s,comp=Z,3um		P	P	19 02 25.9 -0.5
MYKOM	Kota Tinggi	51.90 234	eP	P	19 02 26.3 -0.7
MYKOM	comp=Z,78nm,1.3s		P	P	19 02 33.2 +6.2
MYKOM	Kota Tinggi	51.90 234	P	P	19 02 26.3 -0.7
MYKOM	EDFI	51.90 234	P	P	19 02 33.2 +6.2
MYKOM	comp=Z,59nm,1.2s,comp=Z,2um		P	P	19 02 30.2 +2.8
SOEI	Soe	52.09 204	eP	P	19 02 30.2 +2.8
SOEI	comp=Z,109nm,0.8s		P	P	
SOEI	Soe	52.09 204	P	P	
SOEI	comp=Z,144nm,0.9s,comp=Z,2um		P	P	
TPRI	Tanjung Pinang	52.16 232	P	P	

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PBA	comp=Z,76nm,0.7s	52.48 252	eP	P	19 02 31.6 +1.8
PBA	Port Blair	52.48 252	eP	P	19 02 29.4 -0.4
PBA	Port Blair	52.48 252	iAmb	IAMB	19 02 33.3
DZA	Taraz	52.70 299	eS	P	19 02 30.5 -0.7
DZA	comp=Z,63nm,1.2s		eS	MLR	19 10 02.7 +4.4
DZA	Taraz	52.70 299	eS	P	19 02 30.5 -0.7
DZA	comp=Z,14um,17.0s		eS	LR	19 10 02.7 +4.4
BATI	Baumata	52.71 205	LR	LR	19 23 49.3
BATI	comp=Z,4um,21.1s,baz=9.5,slow=35		P	P	19 02 36.2 +4.8
BATI	Kipapa	52.82 92	P	P	19 02 50.0 +1.8
BATI	comp=Z,5um,21.0s		LR	LR	19 02 34.5 -0.2
BATI	Karatay Array	53.17 299	eP	P	19 02 34.5 -0.2
BATI	comp=Z,134nm,1.1s		pmax	pmax	
KKAR	KARATAY	53.17 299	eP	P	19 02 34.5 -0.2
KKAR	comp=Z,134nm,1.1s		P	P	19 02 35.6 +0.7
COEN	Coen	53.19 180	eP	P	19 02 34.3 -0.9
COEN	comp=Z,43nm,1.0s		P	P	19 02 35.7 0.0
DDI	Dehra Dun	53.22 281	eP	P	19 02 36.7 +0.8
DDI	Manant Dam	53.29 195	eP	P	19 02 35.8 -0.8
DDI	comp=Z,58nm,1.0s		P	P	19 10 15.7 +7.4
BESE	Bessie Mountai	53.40 40	eP	P	19 02 35.8 -0.8
BESE	comp=Z,40nm,1.2s		P	P	19 02 35.8 -0.8
JBG	Jabagly	53.41 298	eS	P	19 02 35.8 -0.8
JBG	comp=Z,393nm,1.0s		pmax	pmax	
JBG	comp=N,975nm,6.5s		smax	smax	
JBG	comp=Z,13um,16.0s		MLR	MLR	
SMLA	Simla	53.51 283	eP	P	19 02 36.6 -0.6
SMLA	DHARAMSHALA	53.63 284	eP	IAMB	19 02 38.2 -0.2
SMLA	DHARAMSHALA	53.63 284	eP	IAMB	19 02 41.2
PPBI	Pangkal Pinang	53.66 228	P	P	19 02 39.7 +1.2
PPBI	Boroladay	53.66 299	eS	P	19 02 38.4 +0.1
PPBI	comp=Z,43nm,1.0s,comp=Z,1um		S	S	19 02 38.9 -1.1
BRLS	BRLS	53.66 299	eS	P	19 10 14.2 -0.2
IUG	Iuzhnay	53.87 298	eS	pmax	
IUG	comp=Z,566nm,1.5s		smax	smax	
IUG	comp=E,858nm,5.0s		P	P	19 02 38.9 -1.1
IUG	Iuzhnay	53.87 298	eS	S	19 10 14.2 -0.2
IUG	comp=E,858nm,5.0s		eS	P	19 10 14.2 -0.2
IUG	comp=Z,15um,17.0s		eLR	LR	19 26 02.5
CHM	Chimkent	54.10 299	eP	P	19 02 41.0 -0.5
CHM	comp=Z,868nm,0.9s		P	P	19 02 41.0 -0.5
CHM	Chimkent	54.10 299	eP	P	19 02 41.0 -0.5
CHM	comp=Z,868nm,0.9s		eS	LR	19 26 21.1
CHM	Chimkent	54.10 299	eP	P	19 02 41.0 -0.5
CHM	comp=Z,7um,17.0s		eS	LR	19 26 21.1
SVE	Sverdiolovsk	54.28 318	d/P	P	19 02 43.3 +0.8
SVE	comp=Z,7um,17.1s		P	P	19 04 44.4 +9.1
SVE	SVE	54.28 318	eS	S	19 10 19.8 +0.6
SVE	comp=Z,2um,16.3s		eSSS	SSS	19 15 54.1
SVE	SVE	54.28 318	pmax	pmax	
SVE	comp=Z,494nm,1.4s		P	P	19 02 43.4 0.0
SVE	SVE	54.28 318	MLR	MLR	
SVE	comp=E,54um,15.0s		P	P	19 10 19.0 -1.9
SVE	SVE	54.28 318	MLR	MLR	
SVE	comp=Z,72um,15.0s		MLR	MLR	
PSI	Prapat	54.31 239	P	P	19 02 43.4 0.0
PSI	comp=N,20nm,1.0s,baz=22,slow=4.4,SNR=13		P	P	19 10 19.0 -1.9
PSI	Prapat	54.31 239	eP	P	



1d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like EAGLETON, DILLON, WAKR, HLID, WSAR, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ANN, YHH, YMR, FAQ, YNR, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like YEDI, SIRT, FURC, BLG, HWUT, etc.



1d 18h

Table with columns for station call letters, frequency, and signal strength. Includes stations like SDCO, HERR, CSKK, NKCC, etc.

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Table with columns for station call letters, frequency, and signal strength. Includes stations like BGNE, BGNE, BGNE, etc.

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Table with columns for station call letters, frequency, and signal strength. Includes stations like WATA, CADS, CADS, etc.

J41A	Loganville	84.48	36	P	P	19 05 49.5	0.0
K40A	Colesburg	84.48	37	P	P	19 05 50.5	+1.1
PP2T	Papeete	84.48	118	ePP	PP	19 09 07.0	+1.6
PP2T	comp=Z,217nm,25.2s			eS	S	19 16 12.1	-3.8
PP2T	comp=Z,5um,29.5s			eSS	SS	19 21 49.3	+2.2
PP2T	comp=Z,1um,24.0s			LR	LR	19 32 26.4	
PP2T	Papeete2	84.48	118	eLR	LR	20 38 56.3	
PP2T	comp=Z,1.3um,22.5s,baz=319			eT	T	19 06 00.0	+1.0
KSU1	Kansas State U	84.50	43	PFAKE	LR		
E46A	Sault Ste Mari	84.51	31	P	P	19 05 49.3	-0.3
L39A	Vinton	84.52	38	P	P	19 05 50.3	+0.6
FUORN	Oftenspass-Fuorn	84.53	330	eP	P	19 05 49.9	-0.1
PAE	Paea	84.53	118	eT	T	20 38 59.4	
DAVOX	Davos/Dischmat	84.54	330	P	P	19 05 50.5	+0.5
I42A	Dræger Farm	84.56	35	eP	P	19 05 50.9	+1.0
I42A	Dræger Farm	84.56	35	P	P	19 05 50.7	+0.9
F45A	CMU Biological	84.58	32	P	P	19 05 50.2	+0.3
NEST	Nestorio	84.59	320	P	P	19 05 49.9	-0.3
H43A	Windswept, Lux	84.60	34	P	P	19 05 50.1	0.0
TIAR	Tiarei	84.62	118	eT	T	20 39 05.7	
APE	Apeiranthos	84.70	315	eP	pmx	19 05 50.6	-0.2
APE	comp=Z,53nm,1.1s			MLR	MLR		
JFWS	Jewell Farm	84.72	36	PFAKE	LR	19 06 00.0	+9.3
JFWS	Jewell Farm	84.72	36	P	P	19 05 50.2	-0.5
THL	Klokotos Trika	84.74	318	P	P	19 05 47.3	-3.5
RSBS	Rosebush, Pemb	84.74	341	eP	IAMB	19 05 50.5	-0.1
RSBS	comp=Z,73nm,0.9s			IAMS_20	IAMS_20	19 48 33.6	
AMTX	Amarillo	84.75	48	eP	P	19 05 51.6	+0.5
AMTX	Amarillo	84.75	48	P	P	19 05 52.3	+1.2
MSTX	Muleshoe	84.76	50	eP	P	19 05 51.7	+0.5
MSTX	Muleshoe	84.76	50	P	P	19 05 52.6	+1.4
MNTX	Cornudas Moun	84.77	53	eP	P	19 05 51.5	+0.3
MNTX	comp=Z,2um,19.0s			LR	LR		
D48A	Cornudas Moun	84.77	53	P	P	19 05 51.5	+0.3
F46A	Macinaw City C	84.81	31	P	P	19 05 50.6	-0.5
E47A	Iron Bridge	84.84	30	P	P	19 05 51.2	0.0
ATAL	Atalanti	84.86	317	eP	P	19 05 50.5	-1.0
ATAL	Atalanti	84.86	317	P	P	19 05 50.5	-1.0
KARP	Karpathos	84.89	313	eP	P	19 05 51.1	-0.6
D49A	Beulah Townshi	84.89	29	P	P	19 05 51.2	-0.3
I43A	Langenfeld Bro	84.91	35	P	P	19 05 50.8	-0.8
LKR	Lokris	84.91	317	eP	P	19 05 50.5	-1.2
LKR	Lokris	84.91	317	P	P	19 05 50.5	-1.2
LSQJ	Lebel-sur-Quev	84.91	25	P	P	19 05 52.0	+0.5
J42A	Columbus	84.92	35	P	P	19 05 50.1	-1.6
M39A	Webster	84.93	38	P	P	19 05 50.5	-1.3
L40A	Anamosa	84.94	37	eP	P	19 05 51.8	0.0
L40A	Anamosa	84.94	37	P	P	19 05 51.3	-0.5
K41A	Shullsburg	84.94	37	P	P	19 05 48.4	-3.4
AGG	Agios Georgios	84.98	318	eP	P	19 05 49.6	-2.5
AGG	Agios Georgios	84.98	318	P	P	19 05 49.6	-2.5
AGG	Agios Georgios	84.98	318	eP	P	19 05 49.6	-2.5
CHGQ	Chibougamau	84.99	23	P	P	19 05 51.3	-0.6
AXAR	Agios Charalam	85.00	318	eP	P	19 05 55.6	+3.4
AXAR	Agios Charalam	85.00	318	P	P	19 05 55.6	+3.4
TUE	Stuetta	85.01	330	eP	P	19 05 51.7	-0.6
GDL2	Guadalupe Moun	85.04	52	eP	P	19 05 52.7	+0.1
J43A	Nature Harves	85.18	35	P	P	19 05 53.6	+0.6
K42A	Prairie Point,	85.24	36	P	P	19 05 52.0	-1.3
JAN	Janina	85.26	319	P	P	19 05 53.6	+0.1
L41A	Preston	85.26	37	P	P	19 05 53.2	-0.2
EVR	Ervrytania	85.33	318	eP	P	19 05 53.0	-0.9
EVR	Ervrytania	85.33	318	P	P	19 05 53.0	-0.9
DSF	Desfina	85.33	317	eP	P	19 05 52.2	-1.7
DSF	Desfina	85.33	317	P	P	19 05 52.2	-1.7
TAOE	Nuku Hiva Isla	85.39	105	eLR	LR	19 32 57.9	
ANX	Ano Ochora	85.51	318	P	P	19 05 54.0	-0.9
VLDO	Val d'Or	85.56	26	P	P	19 05 53.5	-1.3
SERG	Sergoula	85.58	318	P	P	19 05 53.8	-1.3
TRIZ	Trizonia	85.60	318	P	P	19 05 53.5	-1.7
F48A	Evansville	85.62	30	P	P	19 05 53.8	-1.3
IGT	Igoumenitsa	85.62	319	eP	P	19 05 54.6	-0.7
IGT	Igoumenitsa	85.62	319	P	P	19 05 54.6	-0.7
DID	Didima	85.63	316	eP	P	19 05 52.6	0.8
DID	Didima	85.63	316	P	P	19 05 52.6	0.8
EFP	Efpalio	85.64	318	P	P	19 05 58.4	+3.0
GLMI	Graying	85.64	32	PFAKE	LR	19 06 10.0	+1.5
GLMI	comp=Z,2um,19.0s			LR	LR		
N40A	Mertquake, Sal	85.67	38	P	P	19 05 56.4	+0.9
L42A	Oliver, Polo	85.70	37	P	P	19 05 56.0	+0.3
LAKA	Lakka	85.75	318	eP	P	19 05 55.1	-0.8
LAKA	Lakka	85.75	318	P	P	19 05 55.1	-0.8
D51A	Lot 18 Range I	85.77	28	P	P	19 05 54.5	-1.4
GUR	Goura	85.78	317	eP	P	19 05 54.5	-1.7
GUR	Goura	85.78	317	P	P	19 05 54.5	-1.7
M41A	Milan	85.79	38	P	P	19 05 55.6	-0.5
SENIN	Lac Senin/Sane	85.88	331	eP	P	19 05 56.2	-0.5
F49A	Sandfield	85.89	30	P	P	19 05 56.2	-0.3
LKD2	Lefkada island	86.02	319	eP	P	19 05 55.2	-2.1
LKD2	Lefkada island	86.02	319	P	P	19 05 55.2	-2.1
EAI	Eari	86.05	316	eP	P	19 05 59.6	+2.0
FASA	Fasano	86.09	322	eP	P	19 05 58.6	+0.9
DRO	Drossia	86.10	318	P	P	19 05 57.0	-0.9
EVGI	Lefkada island	86.14	319	P	P	19 05 57.5	-0.4
RLS	Riolos of Patr	86.15	318	eP	P	19 05 57.5	-0.4
RLS	Riolos of Patr	86.15	318	P	P	19 05 57.5	-0.4
VLX	Vlachokerasia	86.18	317	eP	P	19 05 55.5	-2.6
VLX	Vlachokerasia	86.18	317	P	P	19 05 55.5	-2.6
E51A	G1948 Merrick	86.20	28	P	P	19 05 56.6	-1.4
D52A	ZEK Kipawa Sen	86.21	27	P	P	19 05 56.9	-1.1

CLF	baz=329	86.21	335	eP	P	19 05 58.5	+0.5
M42A	Chambon-Foret	86.21	335	eP	P	19 05 58.0	-0.8
M42A	comp=Z,82nm,1.1s			eP	P	19 05 59.0	-0.1
NASS	Massatra	86.33	322	eP	P	19 05 58.9	-0.5
NASS	SG1	86.39	322	eP	P	19 05 58.9	-0.5
M43A	Sgapes (BA)	86.45	38	P	P	19 05 59.0	0.0
OXZ	Yates City	86.45	38	P	P	19 05 59.0	0.0
OXZ	Oxford	86.47	159	eP	P	19 05 59.5	+0.1
M43A	comp=Z,70nm,1.3s			P	P	19 05 59.5	+0.1
WMOK	Wichita Moun	86.52	47	eP	P	19 05 59.2	-0.6
WMOK	comp=Z,16nm,1.0s			pmx	pmx	19 05 59.3	-0.6
WMOK	Wichita Moun	86.52	47	eP	P	19 05 59.2	-0.6
WMOK	comp=Z,16nm,1.0s			pmx	pmx	19 06 00.0	+0.3
MATE	Wichita Moun	86.56	317	eP	P	19 06 00.0	+0.3
F51A	Matera	86.53	322	eP	P	19 06 00.3	+0.3
F51A	Arnstein	86.56	29	P	P	19 06 00.3	+0.5
ITM	Ithomi	86.57	317	eP	P	19 05 58.1	-1.9
ITM	Ithomi	86.57	317	P	P	19 05 58.1	-1.9
O41A	Passleys Farm,	86.61	39	P	P	19 05 58.0	-2.1
D54A	Lac Fusel, La	86.67	26	P	P	19 05 59.1	-1.1
AQU	L'Aquila	86.69	325	eP	P	19 06 00.7	+0.1
AQU	comp=Z,106nm,1.3s			pmx	pmx	19 06 00.7	+0.1
AQU	L'Aquila	86.69	325	eP	P	19 06 01.8	+1.2
AQU	comp=Z,32nm,1.1s			LR	LR	19 44 20.0	
AOU	L'Az	86.71	61	LR	LR	19 06 00.0	-0.8
LPIG	comp=Z,1um,18.1s,baz=298,slow=35			P	P	19 06 00.0	-0.8
IMMV	Iera Moni Meta	86.73	315	P	P	19 05 59.9	-1.0
N43A	Stutzman Famil	86.77	37	P	P	19 06 00.7	-0.7
P41A	Barry, Barry	86.86	39	P	P	19 06 10.0	+7.9
HDIL	Hopedale	87.02	37	PFAKE	LR	19 06 02.7	+0.2
HDIL	comp=Z,4um,19.0s			LR	LR		
E54A	Lac Daplat, Po	87.11	27	P	P	19 06 03.2	0.0
BNI	Bardonecchia	87.22	331	eP	P	19 06 03.2	0.0
BNI	Bardonecchia	87.22	331	eP	P	19 06 03.2	0.0
Q41A	Truxton	87.34	39	P	P	19 06 03.8	+0.1
TX31	Lajitas Ar. Si	87.47	54	eP	P	19 06 05.3	+0.6
LTX	Lajitas	87.47	54	eP	P	19 06 06.7	+2.1
TXAR	Lajitas Array	87.47	54	P	P	19 06 06.7	+2.1
TXAR	comp=Z,3.0nm,0.6s,baz=296,slow=3.1,SNR=27			LR	LR	19 39 59.1	
K48A	Perry	87.51	33	P	P	19 06 04.7	+0.3
DAMY	Dhamar	87.54	287	eP	P	19 06 04.5	-0.9
ABTX	Abilene, Hawle	87.55	49	eP	P	19 06 05.3	+0.4
N45A	Kentland	87.61	36	P	P	19 06 05.0	+0.4
Q42A	Golden Eagle	87.71	39	P	P	19 06 04.8	-0.7
LATQ	La Tuque	87.72	24	P	P	19 06 05.3	0.0
R41A	Rosebud	87.77	40	P	P	19 06 05.6	-0.2
SSB	Saint Sauveur	87.81	332	eP	P	19 06 05.2	-0.7
SSB	comp=Z,24nm,1.0s			pmx	pmx	19 06 05.2	-0.7
SSB	Saint Sauveur	87.81	332	eP	P	19 06 05.2	-0.7
Q45A	Potomac	87.99	37	P	P	19 06 06.9	+0.1
HHAR	Hobbs	88.01	43	eP	P	19 06 07.1	+0.1
CCM	Cathedral Cave	88.03	40	eP	P	19 06 07.0	0.0
CCM	Cathedral Cave	88.03	40	eP	P	19 06 07.1	0.0
CCM	comp=Z,79nm,1.4s			pmx	pmx	19 06 06.6	-0.4
CCM	Cathedral Cave	88.03	40	P	P	19 06 06.8	-0.2
M47A	Crowell	88.04	35	P	P	19 06 07.9	+0.6
R42A	Luebering	88.08	40	P	P	19 06 06.9	-0.3
L48A	N Amos	88.08	34	P	P	19 06 06.0	+0.3
AAM	Ann Arbor	88.11	33	PFAKE	LR	19 06 08.5	+0.9
AAM	comp=Z,2um,21.0s			LR	LR		
SF1A	Jilko Farms,	88.14	41	P	P	19 06 07.2	-0.5
SF1A	baz=321,SNR=5.4			P	P	19 06 08.1	+0.3
P44A	Lafayette	88.17	36	P	P	19 06 08.8	0.0
P44A	Sand Creek, Wi	88.19	38	P	P	19 06 08.8	0.0
N47A	Urbana	88.40	35	P	P	19 06 09.3	+0.3
Q44A	Meyer Farm, Va	88.45	38	eP	P	19 06 08.5	-0.5
Q44A	comp=Z,29nm,0.9s			P	P	19 06 09.2	0.0
S42A	Caledonia	88.47	40	P	P	19 06 10.7	+1.5
FVM	French Village	88.49	40	eP	P	19 06 10.7	+1.5
FVM	comp=Z,129nm,1.9s			pmx	pmx	19 06 10.7	+1.5
FVM	French Village	88.49	40	eP	P	19 06 09.3	-0.1
U40A	Yellville	88.52	42	P			





Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WAKE ISLAND, Zalesovo Beam, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Alice Springs, Warramunga Arr, and various other codes.

ICD 01 19:12:03.0z, 2.29133s, 177.89W, h0km, mb3.4/2, Error ellipse: s-maj=241.9km s-min=83.1km az=164.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Miyakonagasawa, Tanohata, Ofunato, and various other codes.

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KUR, WARRAMUNGA ARR, and various other codes.

D'Entrecasteaux Islands region table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Charters Tower, Warramunga Arr, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RAO, STKA, and various other codes.

DDA 01 19:26:30.3, 38.64N, 26.70E, h7km, 3km, ML2.6, Error ellipse: s-maj=3.8km s-min=3.5km az=163.5

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FOCM, KRBN, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BLCB, ZEV, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZEDA, CHOS, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PRK, SGR, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SGR, AKHS, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STEP, BALIKESIR, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BOZC, BAYC, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA, RES, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PFVI, ARU, and various other codes.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PTEO, CLL, and various other codes.

ICD 01 19:14:05.2, 10.0, 9.995S, 155.21E, h0km, mb3.3/3, Error ellipse: s-maj=160.0km s-min=98.3km az=36.0



1d 20h

Table with columns: 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 MORF Marletele, PNCL Nicolau / Gran, PCVE Castro Verde, etc.

2013 APR

Table with columns: 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 MVO Moncorvo, EMAZ Mazaricos, PBRG Braganca, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PDAR Pinedale Array, H10N3 ASCENSION HYDR15.88 123, etc.













1d 22h

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n29, e089/31, mb3.2/3, Andreanof Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PFVI, Vila Bisbo, Sao Teotonio, Marneleite, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ADAC, KINC, GSSP, ADK, etc.

TRN 01 21:07:07.3, 10.68N-62.43W, h89km, MD3.7, 1C, Near coast of Venezuela

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

IDC 01 21:21:02.0, 2.1, 7.13S-128.95E, h0km, mb3.6/1, mb1 3.8/3, mb1mx3.5/24, mbtm3.6/3, ML3.8/2, Error ellipse: s-maj=144.3km s-min=31.3km az=67.0, Banda

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

ANF 01 21:23:40.0-0.2, 37.99N-89.34W, ML2.2/18, Error ellipse: s-maj=2.7km s-min=1.4km az=42.0, Cape Girardeau region, Missouri

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like S44A, S44A, R44A, R44A, S45A, S45A, S43A, S43A, R45A, R45A, Q44A, Q44A, Q43A, Q43A, S42A, S42A, T43A, T43A, R42A, R42A, S46A, S46A, U44A, U44A, CCM, CCM, R41A, R41A, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like P43A, P43A, Q41A, Q41A, U46A, U46A, S41A, S41A, etc.

ANF 01 21:23:46.9-0.2, 39.01N-87.25W, ML2.3/15, ML2.3/15, Illinois

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Q46A, Q46A, P46A, P46A, P46A, P46A, P45A, P45A, Q45A, Q45A, R46A, R46A, R46A, R46A, P47A, P47A, R47A, R47A, WCI, WCI, P44A, P44A, O45A, O45A, SFIN, SFIN, SFIN, SFIN, S47A, S47A, O47A, O47A, O47A, O47A, S48A, S48A, Q49A, Q49A, O48A, O48A, N47A, N47A, etc.

ISCJB 01 21:31:30.8-1.2, 43.17N-107.146E, h147km, M4.0, Error ellipse: s-maj=14.1km s-min=6.8km az=145.1, JMA 01 21:31:31.5-0.1, 43.14N-146.11E, h73km, 1km, M3.0, SKHL 01 21:31:31.6-0.8, 43.05N-146.12E, h35km, mb3.5/3, ISC 01 21:31:30.4-2.3, 43.15N-109.146E, h17km, 15km, n13, e066/24, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEM2, NEM2, JKHN, JKHN, SHO, SHO, SHO, SHO, GRPR, GRPR, GRPR, GRPR, GRPR, GRPR, YUK, YUK, YUK, YUK, JAK, JAK, JRA, JRA, JNK, JNK, JNK, JNK, JOB, JOB, JAR, JAR, JAR, JAR, JTKR, JTKR, JCH, JCH, JMP, JMP, etc.

NIED 01 22:01:00, 39.52N-143.60E, h17km, Mw4.0, Best double couple: M1.23000x1015 NP1.99198.00000, s28.00000, 1.88.00000, NP2.20.00000, s62.00000, s91.00000, JMA 01 22:01:34.0-0.1, 39.49N-143.56E, h17km, 3km, M4.2, ISCJB 01 22:01:36.0-0.1, 39.45N-143.53E, h17km, 0.08, h32km, 18km, mb3.7/5, Error ellipse: s-maj=11.8km s-min=7.1km az=27.9, IDC 01 22:01:43.4-2.4, 39.97N-142.05E, h0km, mb3.8/5, mb1 3.8/7, mb1mx3.5/63, mbtm3.7/7, ML2.9/2, Error ellipse: s-maj=48.3km s-min=27.5km az=139.0, ISC 01 22:01:35.0-1.2, 39.52N-106.143E, h1km, 13km, n24, e086/27, mb3.9/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MIYJ, MIYJ, JTH, JTH, OFUJ, OFUJ, JOM, JOM, JANG, JANG, JMK, JMK, JIO, JIO, JRG, JRG, JTM, JTM, JYK, JYK, JOT, JOT, JOT, JOT, JNBK, JNBK, JCH, JCH, ASAJ, ASAJ, JMK, JMK, MAT, MAT, MAT, MAT, SONM, SONM, etc.

IDC 01 20:59:06.8-20.0, 52.32N-176.70W, h75km, 146km, mb3.0/3, mb1 3.4/5, mb1mx3.0/66, mbtm3.4/5, ML3.7/2, Error ellipse: s-maj=129.6km s-min=64.2km az=58.0, ISCJB 01 20:59:09.0-0.5, 52.4N-176.8W, 0.1, h126km, 11km, mb3.2/2, Error ellipse: s-maj=38.1km s-min=7.5km az=167.2, NEIC 01 20:59:10.4-0.0, 52.16N-176.76W, h122km, ML3.3(AEIC), After AEIC, ISC 01 20:59:10.3-0.9, 52.4N-176.83W, 0.07, h116km, 13km,

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H11N2, H11N1, H11N3, ZALV, MKAR, KURBB, ILAR.

MOS 01 22:02:03.41.1, 20:80S:178:45W, h564km, mb4.7/18, Error ellipse: s-maj=12.7km s-min=10.9km az=113.8

IS/CJB 01 22:02:03.0.0.4, 20:83S:0:03:178:47W:0.04, h562km, mb4.6/11.8, Error ellipse: s-maj=5.6km s-min=4.3km az=14.3

NEIC 01 22:02:04.2.2.0, 20:85S:178:43W, h569km, 4km, mb4.8/10.6, Error ellipse: s-maj=13.1km s-min=10.0km az=115.0

IDC 01 22:02:05.2.0.6, 20:77S:178:51W, h572km, 6km, mb4.0/30, mb1.4/13.1, mb1mx4/0.49, mbtmp4/9.31, Error ellipse: s-maj=9.3km s-min=7.8km az=145.0

GCMT 01 22:02:05.2.0.4, 20:79S:0:04:178:40W:0.05, h565km, 3km, MW5.2/53, Moment Tensor Solution, s53.668; Duration: 1s0 Moment tensor: Scale 1017Nm; Mw=0.77±0.04; Mb=0.64±0.07; Ms=0.13±0.07; Mw=0.53±0.08; Mw=0.04±0.07; Mw=0.15±0.08; Best double couple: Mw=0.89100±0.107; N1P1s:263.00000; s64.00000; s1.98.00000; N1P2s:101.00000; s27.00000; s1.74.00000; Principal axes: T 0.8130, Plg18.0000, Azm36.0000; N 0.1570, Plg7.0000, Azm267.0000; P -0.9700, Plg70.0000; Azm156.0000; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 01 22:02:04.2.0.4, 20:88S:0:04:178:40W:0.05, h569km, 4km, h570km; P-P, N561, s13/667, mb4.7/11.8, 27C-83D, Fiji Islands region

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details. Lists numerous stations and their operational parameters.

Main table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Lists numerous stations and their operational parameters.

Main table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Lists numerous stations and their operational parameters.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RZN Rozhen, EZN Ezine, VTS Vitosh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CJR Cluj-Napoca, BUD Budapest, MDV Moldovita, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KST KasteK, SGDS Sogindny, DGS Degeres, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIRR Siria, TIM Timisoara, TAM Tamnasset, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARLS Aral, AML Almayashu, KZA Kyzart, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MRIV Mauritius Mete, RER Riviere de l'E, H08S1 Diego Garcia H, etc.





0.8nm,0.8s,baz=314,slow=7.5,SNR=4.8
ASAR Alice Springs 52.59 133 P 23 01 46.4 -0.3

140nm,0.3s,baz=75,slow=20,SNR=5.6
RIZ Raoul Island 4.36 29 S Sn 23 32 03.4 +0.9

0.6nm,0.5s,baz=237,slow=5.1,SNR=9.9
NVAR Mina Array Bea 86.65 50 P P 00 14 09.9 +0.1

IDC 01 22:55:59.8,3.3,81.42N,3.41W,h0km,mb3.6/4,mb1.3/8/5,
mb1mx3.3/4.4,mbtmp3.7/5,ML4.1/1,MS3.9/4,Ms1.3/3.4,
ms1mx2.8/3.7,Error ellipse: s-maj=59.3km s-min=0.42km
az=145.0

MXZ Matakoaka Point 4.59 193 P Sn 23 31 17.8 +2.9
MXZ 23 32 07.2 -0.6
WMGZ Waiomatatini S 4.82 192 S P Sn 23 31 19.4 +1.5

MKAR Makanchi Array 93.58 317 P P 00 14 41.8 -0.2
0.8nm,0.6s,baz=104,slow=6.1,SNR=3.1

ISC 01 22:56:01.3,1.8,81.11N,0.2,3.62W,0.07,h10km,n12,
az=75/10,mb3.6/4,MS3.5/3,1C,North of Svalbard

PKGZ Pakihiroa 4.95 195 S P Sn 23 32 22.6 +2.9
PUZ Puketiti 5.09 192 S Sn 23 32 19.0 -0.8

MEX 02 00:22:56.7,0.7,16.12N,93.26W,h84km,18km,MD3.8,
Chiapas

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Waiomatatini S, Te Kaha, Pakihiroa, etc.

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

MEX 01 23:12:42.3,1.1,17.34N,100.97W,h20km,16km,MD4.0,
Guerrero

URZ Urewera 5.55 201 S Sn 23 32 29.5 -1.1
URZ 10nm,0.3s,baz=255,slow=22,SNR=3.1

ISCJB 02 00:31:25.3,0.2,10.46S,0.03,161.08E,0.04,h62km,
mb4.8/8/1, Error ellipse: s-maj=5.2km s-min=4.5km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Zihuatanejo, El Cayaco, Puente Sto Nin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Kaimai, Ragwiri, Mount Tarawera, etc.

BJJ 02 00:31:25.9,10.40S,161.00E,h60km,mb4.7/27,mb5.0/19,
Ms4.6/4,Ms7.4/3/5
NEIC 02 00:31:26.7,1.7,10.41S,161.06E,h62km,5km,mb4.8/6/5,
Error ellipse: s-maj=14.3km s-min=7.1km az=210.0

ISCJB 01 23:21:40.1,0.7,67.71N,0.04,20.4E,0.1,h0km,Error
ellipse: s-maj=7.9km s-min=5.2km az=154.9

WRA Warramunga Arr 42.30 276 P 23 37 45.0 -1.0
0.8nm,0.4s,baz=116,slow=7.3,SNR=1.1

ISC 02 00:31:26.4,1.5,10.44S,161.12E,h59km,11km,mb4.4/28,
mb1.4/5/3/1,mb1mx4.4/2,mbtmp4.7/3.1,MS3.9/1.1,
Ms1.3/9/1,ms1mx3.7/3.5,Error ellipse: s-maj=13.9km
s-min=9.2km az=74.0

ISC 01 23:21:42.4,1.0,67.81N,0.20,66E,h0km,mb1.2/9/4,
mb1mx2.8/4.1,mbtmp2.8/4,ML2.0/4,Error ellipse:
s-maj=16.6km s-min=6.1km az=121.0

QSPA South Pole Qui 45.02 180 P 23 39 42.7 +0.3
0.8nm,0.5s,baz=108,slow=7.7,SNR=10.0

ISC 02 00:31:26.5,0.3,10.51S,161.08E,0.06,h62km,n153,
az=172/159,mb4.7/8/1,1C,Bougainville-Solomon Islands
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Kurraavaara, Laukkulupsa, Nikkalogetua, etc.

NIED 01 23:42:00,39.50N,143.40E,h14km,Mw3.5, Best double
couple: M1:8.00000e1014 N1:1e172.00000e,844.00000e,
7.81.00000e. NP2:8e4.00000e,847.00000e,7.98.00000e.
IDC 01 23:42:05.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

HNR Honiara 1.55 314 P Pn 00 31 50.5 -1.4
620nm,0.3s,baz=180,slow=7.8,SNR=122

JMA 01 23:26:40.3,0.1,38.80N,142.03E,h46km,1km,M3.6,
Near east coast of eastern Honshu

ISCJB 01 23:42:07.7,1.4,39.47N,0.04,143.48E,0.06,h21km,9km,
mb3.4/6,Error ellipse: s-maj=8.4km s-min=6.0km az=41.7

DZM Mont Dzumak 12.59 157 P Sn 00 34 23.7 +0.8
24nm,0.7s eSn

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

ISC 01 23:42:08.7,0.2,39.51N,143.41E,h25km,4km,M3.6,
Error ellipse: s-maj=14.3km s-min=7.1km az=210.0

DZM Mont Dzumak 12.59 157 P Sn 00 36 36.7 -4.9
0.7nm,0.3s,baz=32,slow=20,SNR=5.0

IDC 01 23:27:32.7,3.0,11.09S,153.60E,h0km,mb3.2/4,
mb1.3/6/4,mb1mx3.4/3.4,mbtmp3.3/4,MS3.2/1,Ms1.3/2/1,
ms1mx2.6/1.3,Error ellipse: s-maj=34.9km
s-min=32.6km az=133.0,D'Entrecasteaux Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISCJB 01 23:30:06.0,4.0,33.06S,0.05,179.6E,0.1,h150km,
mb3.7/3,Error ellipse: s-maj=17.0km s-min=3.5km
az=21.2

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 23.7 +0.8
0.7nm,0.3s,baz=32,slow=20,SNR=5.0

ISC 01 23:30:08.3,6.8,33.11S,179.54E,h162km,51km,mb3.4/3,
mb1.3/7/4,mb1mx3.4/4.5,mbtmp4.0/4,Error ellipse:
s-maj=18.3km s-min=26.6km az=47.0

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 36 37.4 -4.9
0.7nm,0.3s,baz=32,slow=20,SNR=5.0

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32

ISC 01 23:30:09.1,0.7,33.9S,180W,2.2,h114km,35km
ISC 01 23:30:06.9,0.9,33.00S,108.179E,0.2,h150km,n54,
az=203/63,mb3.7/3,South of Kermadec Islands
region

ISC 01 23:42:09.4,2.8,39.40N,143.55E,h0km,mb3.6/4,
mb1.3/6/7,mb1mx3.4/4.2,mbtmp3.4/7,ML2.3/1,Error
ellipse: s-maj=70.7km s-min=29.4km az=152.0

DZM Mont Dzumak 12.59 157 P Sn 00 34 21.4 -1.9
comp=Z,856nm,21.2s,baz=14,slow=32,SNR=32



Table of astronomical observations for 2d Oh, listing station names (e.g., SPSI Sidrap Palu), coordinates, and observation details.

Table of astronomical observations for 15 APR, listing station names (e.g., ZAA1 Zalesovo Array), coordinates, and observation details.

Table of astronomical observations for 44, listing station names (e.g., PB08 IPOC Station P), coordinates, and observation details.

IHED	Heinshofoti	0.42 163	S	Sg	00 59 30.1 -0.3
IHED	baz=163		P	Pg	00 59 23.4 -1.5
IHEI	Leirhofo	0.46 99	eP	Pg	00 59 23.6 -1.9
IHEI	Leirhofo	0.46 99	P	Pg	00 59 23.7 -1.9
IHEI	baz=106		S	Sg	00 59 30.6 -1.0
IDIM	Dimmadals	0.59 152	P	Pg	00 59 26.2 -1.9
IDIM	baz=153		S	Sg	00 59 34.9 -0.9
IHLA	Hella	0.62 211	S	Sg	00 59 35.3 -1.6
IHLA	baz=206		P	Pg	00 59 26.6 -2.2
ISIG	Siglufojorur	0.63 237	P	Pg	00 59 26.0 -2.9
ISIG	baz=231		S	Sg	00 59 34.2 -3.0
IGIL	Gilhagi	0.65 128	P	Pg	00 59 26.9 -2.3
IGIL	baz=131		S	Sg	00 59 36.6 -1.1
ISKI	Skildingahls	0.66 159	P	Pg	00 59 27.3 -2.1
ISKI	baz=159		S	Sg	00 59 37.1 -0.8
IREN	Reynihlio	0.89 161	P	Pg	00 59 31.1 -2.6
IREN	baz=161		S	Sg	00 59 43.5 -1.7
IMEL	Melnausar	0.99 157	P	Pg	00 59 32.6 -3.1
IGRS	Grimstaotir	1.04 144	P	Pg	00 59 33.1 -3.5
IGRS	baz=145		S	Sg	00 59 48.0 -2.1
IHRN	Hraun	1.08 251	P	Pb	00 59 32.4 -5.0
IHRN	baz=247		S	Sg	00 59 46.3 -5.2
ISVA	Svartarkot	1.16 173	P	Pb	00 59 35.5 -3.2
ISVA	baz=172		S	Sb	00 59 51.3 -2.5
IADA	Aaalbol	1.69 149	P	Pn	00 59 42.7 -3.5
IDYN	Dyngjuhals	1.70 176	P	Pn	00 59 43.6 -2.8
IKRE	Kreppuhraun	1.78 163	P	Pn	00 59 44.6 -2.8
IHVE	Hveravellir	1.81 207	P	Pn	00 59 45.4 -2.5
BORG	Borgarnes	2.33 223	Pn	Pn	00 59 52.8 -2.1
BORG	451nm,0.3s,baz=38,slow=8.0,SNR=2533		Sn	Sn	01 00 22.4 -1.0
BORG	440nm,0.3s,baz=177,slow=20,SNR=22		Sn	Sn	00 59 52.3 -2.5
BORG	Borgarnes	2.33 223	ePn	ePn	01 00 21.9 -1.5
BORG	baz=257,slow=2.6,SNR=99.5		Sn	Sn	01 00 18.4 -3.9
SCO	Scopesbysund	4.33 340	ePn	ePn	01 00 19.2 -3.1
SCO	Scopesbysund	4.33 340	iP	iP	01 00 19.2 -3.1
SCO	comp=Z,14um,14.0s		Pn	Pn	01 00 19.2 -3.1
SCO	Scopesbysund	4.33 340	MLR	MLR	01 00 19.2 -3.1
JMIC	Jan Mayen	5.60 32	Pn	Pn	01 00 38.6 -1.2
JMIC	comp=Z,2.1nm,0.3s,baz=257,slow=2.6,SNR=99.5		Sn	Sn	01 01 39.0 -5.1
JMIC	comp=Z,3.7nm,0.3s,baz=237,slow=22,SNR=8.2		LR	LR	01 02 19.8
JMIC	comp=Z,6um,18.2s,baz=223,slow=32		LR	LR	01 02 19.8
JMIC	Jan Mayen	5.60 32	Pn	Pn	01 00 38.7 -1.1
JMIC	baz=260		Sn	Sn	01 01 36.6 -7.5
JMIC	Jan Mayen	5.60 32	ePn	ePn	01 00 33.8 -6.1
JMIC	baz=260		Sn	Sn	01 01 36.6 -7.5
SOFL	Sornfellir, Far	6.40 129	eP	eP	01 00 55.1 +4.2
SOFL	baz=206		Pn	Pn	01 02 14.1 +1.0
ANGG	Ammassalik, Gr	8.19 273	ePn	ePn	01 01 15.7 +0.5
ANGG	baz=163		eS	eS	01 02 49.6 +2.0
SUMG	Summit	9.47 319	ePn	ePn	01 01 31.7 -1.5
SUMG	Summit	9.47 319	iP	iP	01 01 33.1 -0.1
SUMG	comp=Z,19um,15.0s		Pn	Pn	01 01 33.1 -0.1
SUMG	Summit	9.47 319	iP	iP	01 01 33.1 -0.1
SUMG	comp=Z,19um,15.0s		MLR	MLR	01 01 33.1 -0.1
LRW	Lerwick	9.73 123	eP	eP	01 01 37.8 +1.5
LRW	baz=257,slow=2.6,SNR=99.5		eS	eS	01 03 25.3 +0.2
DAG	Danmarks Havn	10.35 359	iP	iP	01 01 46.8 +2.0
DAG	comp=Z,2.5um,11.0s		Pn	Pn	01 01 46.8 +2.0
DAG	Danmarks Havn	10.35 359	iP	iP	01 01 46.8 +2.0
DAG	comp=Z,2.5um,11.0s		MLR	MLR	01 01 46.8 +2.0
AKN	Aaknes	11.46 101	Pn	Pn	01 01 58.8 -1.3
AKN	baz=260		Sn	Sn	01 03 59.9 -8.1
AKN	Aaknes	11.46 101	Pn	Pn	01 01 58.8 -1.3
AKN	baz=260		Sn	Sn	01 03 59.9 -8.1
MOL	Molde	11.47 98	eP	eP	01 02 25.4 +4.5
ASK	Askoy	11.78 110	eP	eP	01 02 08.5 +4.2
ASK	baz=301,slow=14		eS	eS	01 04 10.6 -5.0
BER	Bergen	11.89 110	eP	eP	01 02 10.2 +4.2
KONS	Konvik	12.20 76	eP	eP	01 02 08.5 -1.6
DOMB	Dombas	12.35 99	eP	eP	01 02 15.2 +2.9
DOMB	baz=260		eS	eS	01 04 23.6 -6.2
DOMB	IAML		Sn	Sn	01 04 38.9
IDGL	Inch Island, C	12.44 152	eP	eP	01 02 17.4 +4.0
IDGL	baz=260		Sn	Sn	01 04 41.1 +9.2
ODD1	Odda	12.69 110	eS	eS	01 02 15.9 +4.5
ODD1	baz=260		eS	eS	01 04 21.5 +6.6
MOR8	Moi Rana	12.80 77	eP	eP	01 02 20.2 +1.8
ILULI	Ilulissat	12.82 297	ePn	ePn	01 02 15.9 -2.7
ILULI	Ilulissat	12.82 297	eP	eP	01 02 15.9 -2.7
SKAR	Skarsfella	12.84 105	eP	eP	01 02 24.9 -5.0
BL55	Blasjo	12.96 112	eP	eP	01 02 22.9 +2.3
SFJD	Sfjandanger	12.97 287	Pn	Pn	01 02 19.0 -1.6
SFJD	comp=Z,1.1nm,0.3s,baz=78,slow=11,SNR=19		Sn	Sn	01 04 37.0 -7.6
SFJD	comp=Z,0.2nm,0.3s,baz=146,slow=23,SNR=2.2		LR	LR	01 06 51.1
SFJD	comp=Z,7um,18.1s,baz=76,slow=35		LR	LR	01 06 51.1
SFJD	Kangerlussuaq	12.97 287	ePn	ePn	01 02 19.0 -1.6
SFJD	baz=329,slow=10		ePn	ePn	01 02 19.1 -1.6
SFJD	Kangerlussuaq	12.97 287	eS	eS	01 04 37.0 -7.6
SFJD	baz=329,slow=10		eS	eS	01 02 22.9 +2.3
SFJD	Kangerlussuaq	12.97 287	iP	iP	01 02 22.9 +2.3
EKA	Eskdalemir Ar	13.16 141	Pn	Pn	01 02 27.9 -0.3
EKA	baz=96,slow=22,SNR=4.4		Sn	Sn	01 04 50.4 +0.9
EKA	baz=314,slow=23,SNR=3.3		Sn	Sn	01 04 50.4 +0.9
EKA	Eskdalemir Ar	13.16 141	Pn	Pn	01 02 32.6 -0.8
EKA	baz=96,slow=22,SNR=4.4		P	P	01 02 32.6 -0.8
ESK	Eskdalemir	13.16 141	ePn	ePn	01 02 24.9 +1.7
ESK	baz=96,slow=22,SNR=4.4		Sn	Sn	01 04 40.1 -9.5
ESK	Eskdalemir	13.16 141	eP	eP	01 02 25.0 +1.7
ESK	baz=96,slow=22,SNR=4.4		Sn	Sn	01 04 40.1 -9.5
NRS	Narsarsuaq	13.30 260	eP	eP	01 02 25.4 +0.3
NRS	Narsarsuaq	13.30 260	eP	eP	01 02 25.4 +0.3
NC204	NORSAR Array S	13.46 99	ePn	ePn	01 02 29.7 +2.4
NC204	baz=329,slow=10		eS	eS	01 04 43.6 -1.3
NC204	NORSAR Array S	13.46 99	ePn	ePn	01 02 30.8 +3.5
NC204	baz=329,slow=10		ePn	ePn	01 02 29.9 +0.6
NC204	NORSAR Array S	13.46 99	ePn	ePn	01 04 48.5 -1.2
IGLA	Glenngowla, Co	13.72 159	eP	eP	01 02 33.6 +2.7
NC303	NORSAR Array S	13.72 99	ePn	ePn	01 02 33.0 +2.0
NC303	baz=329,slow=10		eS	eS	01 04 49.3 -1.4
NC303	NORSAR Array S	13.72 99	eP	eP	01 02 35.8 -3.9
NAO01	NORSAR Array S	13.76 101	ePn	ePn	01 02 35.8 -3.9
NAO01	baz=329,slow=10		ePn	ePn	01 02 35.8 -3.9
NAO01	NORSAR Array S	13.76 101	ePn	ePn	01 02 35.6 +4.2
NAO01	baz=329,slow=10		ePn	ePn	01 02 35.6 +4.2
NB2	NORSAR Subarra	13.77 100	Pn	Pn	01 02 32.2 +0.6
NB2	comp=Z,3.7nm,1.4s,baz=306,slow=14		Pn	Pn	01 02 31.8 +0.2
NB2	NORSAR Subarra	13.77 100	Pn	Pn	01 02 31.8 +0.2
NB2	baz=329,slow=10		Pn	Pn	01 02 31.8 +0.2
NB2	NORSAR Subarra	13.77 100	Pn	Pn	01 02 31.8 +0.2
NB2	baz=329,slow=10		Pn	Pn	01 02 31.8 +0.2
NOA	NORSAR Array B	13.77 100	Pn	Pn	01 02 30.9 -0.7
NOA	comp=Z,0.1nm,0.3s,baz=297,slow=11,SNR=17		Sn	Sn	01 05 03.2 -1.2
NOA	comp=Z,0.1nm,0.3s,baz=306,slow=24,SNR=4.6		LR	LR	01 07 30.9
NOA	comp=Z,2um,20.9s,baz=305,slow=36		LR	LR	01 07 30.9
NB201	NORSAR Array S	13.80 100	ePn	ePn	01 02 33.0 +1.0
NC405	NORSAR Array S	13.93 99	ePn	ePn	01 02 35.7 +2.0
NC405	baz=329,slow=10		eS	eS	01 04 59.4 -8.8
NOD	Norderasen	13.98 87	eP	eP	01 02 35.8 +1.3
KONO	Kongsberg	14.00 106	ePn	ePn	01 02 37.3 +2.6

KONO	Kongsberg	14.00 106	eS	Sn	01 05 08.6 -1.4
KONO	baz=329,slow=10		eP	Pn	01 02 37.3 +2.6
KONO	Kongsberg	14.00 106	eP	Pn	01 05 08.6
KONO	baz=329,slow=10		eP	Pn	01 02 36.7 +1.9
SALU	Saitoukta	14.06 70	eP	Pn	01 02 36.8 +1.1
NC602	NORSAR Array S	14.08 100	ePn	ePn	01 02 36.0 +0.1
NC602	baz=329,slow=10		eS	Sn	01 05 07.8 -4.0
NC602	NORSAR Array S	14.08 100	ePn	ePn	01 02 37.1 +1.3
NC602	baz=329,slow=10		ePn	Pn	01 02 36.0 +0.2
NRA0	NORESS Array S	14.08 100	Pn	Pn	01 02 36.0 +0.2
NRA0	baz=313,slow=16		Pn	Pn	01 02 40.0 +0.7
NRA0	NORESS Array S	14.08 100	Pn	Pn	01 02 39.6 0.0
NRA0	baz=313,slow=16		Pn	Pn	01 02 39.3 -0.8
BJO1	Bjornoya	14.34 40	Pn	Pn	01 02 48.4 +0.8
IVI	Ivigut	14.36 263	ePn	ePn	01 02 40.0 0.0
DSB	Dublin	14.39 152	ePn	ePn	01 02 43.2 -3.8
DSB	baz=329,slow=10		ePn	Pn	01 02 40.4 -2.4
BJO	Bjornoya	14.39 40	Pn	Pn	01 02 40.4 -2.4
BJO	baz=329,slow=10		P	P	01 02 43.8 -5.4
KIF	Kilpisjarvi	14.60 63	Pn	Pn	01 02 40.4 -2.4
KIF	baz=329,slow=10		eP	eP	01 02 43.8 -5.4
KBS	Kingsbay	14.95 22	ePn	ePn	01 02 48.4 +0.8
KBS	baz=329,slow=10		ePn	Pn	01 02 48.4 +0.8
STRU	Stromstad	15.02 106	eP	P	01 02 55.2 +1.2
KULLO	Kullorsuaq	15.14 319	iP	P	01 02 48.5 -1.7
KULLO	comp=Z,7um,14.0s		iP	MLR	01 02 48.5 -1.7
KULLO	Kullorsuaq	15.14 319	iP	MLR	01 02 48.5 -1.7
KULLO	comp=Z,7um,14.0s		ePn	P	01 02 56.2 0.0
SPA0	Spitsbergen Ar	15.23 26	ePn	P	01 02 53.2 +1.9
SPA0	baz=222,slow=15,SNR=2.8		Pn	Pn	01 02 53.2 +1.9
SPA0	Spitsbergen Ar	15.23 26	Pn	Pn	01 02 53.2 +1.9
SPA0	baz=222,slow=15,SNR=2.8		Pn	Pn	01 02 53.2 +1.9
SPITS	Spitsbergen Ar	15.23 26	Pn	Pn	01 02 51.4 +0.1
SPITS	comp=Z,2um,19.4s,baz=55,slow=31		LR	LR	01 07 17.5
HFS	Hagfors	15.29 100	Pn	Pn	01 02 49.7 -2.6
HFS	comp=Z,0.1nm,0.3s,baz=310,slow=7.4,SNR=3.3		Sn	Sn	01 05 33.3 -8.2
HFS	Hagfors	15.29 100	Pn	Pn	01 05 33.3 -8.2
HFS	comp=Z,0.3nm,0.3s,baz=320,slow=19,SNR=2.3		LR	LR	01 08 17.8
HFS	Hagfors	15.29 100	Pn	Pn	01 02 52.2 -0.1
HFS	comp=Z,3um,21.7s,baz=310,slow=35		Pn	Pn	01 02 52.2 -0.1
HFS	Hagfors	15.29 100	Pn	Pn	01 02 52.2 -0.1
HFS	comp=Z,3um,21.7s,baz=310,slow=35		Pn	Pn	01 02 52.2 -0.1
HFS	Hagfors	15.29 100	Pn	Pn	01 02 52.2 -0.1
HAMP	Hammerfest	15.41 56	eP	Pn	01 02 53.7 +0.1
KTK1	Kaitokeino	15.46 62	eP	Pn	01 02 56.0 +1.5
HEF	Hetta	15.73 60	eP	Pn	01 02 59.0 +1.1
MUD	Monsted Ugrnd	16.11 116	iP	P	01 03 07.0 +0.9
MUD	comp=Z,136nm,1.3s		iP	P	01 03 07.0 +0.9
MUD	comp=Z,3um,12.0s		iP	P	01 03 07.0 +0.9
MUD	Monsted Ugrnd	16.11 116	iP	P	01 03 07.0 +0.9
MUD	comp=Z,140nm,1.3s		P	P	01 03 07.0 +0.9
MUD	Monsted Ugrnd	16.11 116	iP	P	01 03 07.0 +0.9
MUD	comp=Z,140nm,1.3s		P	P	01 03 07.0 +0.9
ARA0	ARCESS Array S	16.17 60	ePn	Pn	01 03 01.9 -1.6
ARA0	baz=280,slow=12		eS	Sn	01 06 02.8 +0.3
ARA0	ARCESS Array S	16.17 60	P	Pn	01 03 00.8 -2.7
ARA0	baz=280,slow=12		P	Pn	01 03 00.8 -2.7
ARA0	ARCESS Array S	16.17 60	P	Pn	01 03 00.8 -2.7
ARA0	baz=280,slow=12		Pn	Pn	01 03 01.9 -1.6
ARCES	ARCESS				



VRH	comp=Z,80nm,1.2s		pmax	pmax			
VRH	comp=Z,3um,21.0s		MLR	MLR			
HAL	Halifax	32.81 251	PFAKE	LR	01 06 00.0	+10	
HAL	comp=Z,3um,20.0s		PFAKE	LR	01 06 00.0	+10	
PQI	Presque Isle	32.83 258	PFAKE	LR	01 06 00.0	+10	
TIRR	Tirgusor	32.98 109	eP	P	01 05 50.1	-1.1	
TIRR	Tirgusor	32.98 109	iP	P	01 05 50.1	-1.1	
TIRR	Tirgusor	32.98 109	iP	P	01 05 50.1	-1.1	
KRUS	Krusevo	33.04 120	iP	P	01 05 51.3	-0.6	
SZH	Sztrazhica	33.07 113	P	P	01 05 51.2	-0.8	
STIP	Stip	33.08 119	iP	P	01 05 51.5	-0.6	
OHR	Ohrid	33.12 121	iP	P	01 05 55.3	+2.8	
RTC	Rabat Centre	33.15 164	PFAKE	LR	01 06 00.0	+7.3	
RTC	comp=Z,4um,18.0s		MLR	MLR			
KBK	Krupnik	33.25 117	P	P	01 05 54.0	+0.4	
BIA	Bitola	33.38 120	iP	P	01 05 54.2	-0.6	
TIP	Timpagrande	33.51 127	eP	P	01 05 55.1	-0.9	
TIP	comp=Z,36nm,1.4s		MLR	MLR			
VAY	Valandovo	33.55 118	iP	P	01 05 56.1	-0.1	
FNA	Florina	33.61 120	eP	P	01 05 56.3	-0.5	
FNA	comp=Z,26nm,1.1s		MLR	MLR			
FNA	Florina	33.61 120	eP	P	01 05 56.3	-0.5	
FNA	comp=Z,26nm,1.1s		pmax	pmax			
FNA	comp=Z,26nm,1.1s		MLR	MLR			
PMOZ	Porto Moniz, M	33.69 179	eLR	LR	01 16 00.6		
MMB	Musomiste	33.72 117	P	P	01 05 58.3	+0.5	
KNT	Kendrikon	33.80 118	P	P	01 05 57.0	-1.4	
CLTB	Caltabellotta	33.90 133	eP	P	01 06 00.2	+0.8	
CLTB	comp=Z,69nm,0.9s		eS	S	01 11 21.3	-2.3	
NVR	Neurokopi	33.98 117	P	P	01 05 59.3	-0.7	
RZN	Rozhen	33.99 116	P	P	01 05 59.8	-0.5	
CEL	Celeste	34.08 129	PFAKE	LR	01 06 10.0	+9.1	
CEL	comp=Z,1um,19.0s		MLR	MLR			
SRS	Serrai	34.09 117	P	P	01 06 00.4	-0.5	
LATQ	La Tuque	34.14 264	P	P	01 06 01.1	-0.1	
EMMW	East Machias	34.24 256	PFAKE	LR	01 06 10.0	+7.9	
EMMW	comp=Z,4um,19.0s		MLR	MLR			
LSQQ	Lebel-sur-Quev	34.48 270	P	P	01 06 03.6	-0.6	
PKME	Peaks-Kenny Pk	34.49 258	eP	P	01 06 03.7	-0.5	
PKME	comp=Z,3um,18.0s		MLR	MLR			
PKME	Peaks-Kenny Pk	34.49 258	P	P	01 06 03.8	-0.5	
KEST	Kesra	34.56 139	P	P	01 06 05.5	+0.4	
KEST	comp=Z,28nm,0.9s,baz=294,slow=3.2,SNR=20		LR	LR	01 18 53.5		
KEST	Kesra	34.56 139	eP	P	01 06 05.8	+0.7	
KEST	comp=Z,1um,18.8s,baz=302,slow=3.4		LR	LR			
KEST	comp=Z,60nm,1.2s		MLR	MLR			
LIT	Litokhoron	34.60 120	eP	P	01 06 05.0	-0.3	
LIT	comp=Z,2um,18.0s		MLR	MLR			
LIT	Litokhoron	34.60 120	eP	P	01 06 05.0	-0.3	
LIT	comp=Z,57nm,1.7s		pmax	pmax			
LIT	comp=Z,1um,21.0s		MLR	MLR			
LIT	Litokhoron	34.60 120	eP	P	01 06 05.0	-0.3	
LIT	comp=Z,57nm,1.7s		pmax	pmax			
LIT	comp=Z,1um,21.0s		MLR	MLR			
RDO	Rodhopi	34.77 115	eP	P	01 06 05.5	-1.2	
RDO	Rodhopi	34.77 115	P	P	01 06 05.5	-1.2	
SIM	Simferopol'	34.77 102	iP	S	01 06 10.8	+4.0	
SIM	comp=Z,12nm,1.0s		pmax	pmax	01 11 40.0	+3.2	
SIM	comp=Z,1um,15.7s		MLR	MLR			
SEVA	Sevastopol	34.95 103	iP	P	01 06 08.6	+0.3	
NRK	Noril'sk	35.01 37	P	P	01 06 09.5	+0.9	
NRK	comp=Z,11nm,1.0s,baz=326,slow=8.7,SNR=9.5		LR	LR	01 22 16.6		
ALN	Alexandroupoli	35.17 115	PFAKE	LR	01 06 20.0	+10	
ALN	comp=Z,600nm,18.9s,baz=340,slow=39		MLR	MLR			
WVL	Waterville	35.22 258	PFAKE	LR	01 06 20.0	+9.4	
WVL	comp=Z,500nm,22.0s		MLR	MLR			
FYTO	Fytoko, Volos	35.37 120	eP	P	01 06 09.9	-2.1	
FYTO	Fytoko, Volos	35.37 120	P	P	01 06 09.9	-2.1	
VLDQ	Val d'Or	35.42 269	eP	P	01 06 13.3	+1.1	
VLDQ	comp=Z,75nm,1.2s		MLR	MLR			
EVR	Evyrtania	35.42 121	P	P	01 06 12.7	+0.2	
ARU	Arti	35.42 69	eP	P	01 06 12.0	-0.3	
ARU	comp=Z,93nm,1.5s		MLR	MLR			
ARU	Arti	35.42 69	iP	P	01 06 11.7	-0.5	
ARU	comp=Z,4um,20.0s		MLR	MLR			
ARU	comp=Z,3um,21.0s		MLR	MLR			
ARU	comp=Z,4um,21.0s		MLR	MLR			
XOR	Xorichti	35.50 119	P	P	01 06 11.9	-1.2	
AGG	Agios Georgios	35.51 121	eP	P	01 06 13.3	+0.1	
AGG	comp=Z,97nm,1.2s		MLR	MLR			
AGG	Agios Georgios	35.51 121	P	P	01 06 12.6	-0.6	
AGG	Agios Georgios	35.51 121	eP	P	01 06 13.3	+0.1	
AGG	comp=Z,97nm,1.2s		pmax	pmax			
AGG	comp=Z,2um,18.0s		MLR	MLR			
NEO	Neokhori	35.56 119	P	P	01 06 12.7	-1.0	
ANX	Ano Chora	35.75 121	P	P	01 06 15.5	+0.1	
AXAR	Agios Charalam	35.85 120	P	P	01 06 18.2	+2.1	
D54A	Lac Fusel, La	35.87 267	P	P	01 06 14.9	-1.3	
SVE	Sverdlovsk	35.90 67	eP	P	01 06 15.9	-0.4	
SVE	comp=Z,44nm,1.5s		pmax	pmax	01 11 53.0	-0.8	
SVE	comp=Z,44nm,1.5s		MLR	MLR			
SVE	comp=Z,3um,21.0s		MLR	MLR			
WDD	Wied Dalam	35.90 133	PFAKE	LR	01 06 30.0	+13	
WDD	comp=Z,2um,20.0s		MLR	MLR			
SERG	Sergoula	35.96 121	P	P	01 06 17.0	-0.1	
TRIZ	Trizona	36.01 121	P	P	01 06 13.4	-4.0	
LAKA	Lakka	36.09 122	P	P	01 06 18.4	+0.2	
DSF	Desfina	36.12 121	P	P	01 06 17.5	-1.0	
ANN	Anapa	36.20 99	eP	S	01 06 13.5	-5.5	
ANN	comp=Z,63nm,1.5s		pmax	pmax	01 11 52.6	-6.1	
ANN	comp=Z,2um,20.0s		MLR	MLR			
DRO	Drossia	36.26 122	P	P	01 06 20.0	+0.4	
KLIV	Katavryta, Ach	36.32 122	P	P	01 06 20.4	+0.2	
LBNH	Lisbon	36.38 260	PFAKE	LR	01 06 30.0	+9.4	
LBNH	comp=Z,2um,21.0s		MLR	MLR			
LBNH	Lisbon	36.38 260	P	P	01 06 20.5	-0.1	
ALFO	Alfred	36.41 264	P	P	01 06 20.7	-0.1	
GUR	Goura	36.49 121	P	P	01 06 20.9	-0.8	
FRNY	Flat Rock	36.55 262	eP	P	01 06 23.1	+1.1	
FRNY	comp=Z,158nm,1.5s		MLR	MLR			

FRNY	Waterbury	36.63 261	PFAKE	LR	01 07 41.2	-3.3	
FRNY	comp=Z,2um,20.0s		MLR	MLR			
VT1	VT1	36.63 261	PFAKE	LR	01 06 30.0	+7.2	
E54A	Lac Duplat, Po	36.67 267	P	P	01 06 22.7	-0.3	
E54A	comp=Z,2um,22.0s		P	P	01 06 23.0	-0.4	
D52A	ZEK Kipawa Sen	36.72 269	P	P	01 06 23.0	-0.4	
ORIO	Orieans, Innes	36.80 264	P	P	01 06 23.9	-0.2	
F55A	Otter Lake	36.83 266	P	P	01 06 23.7	-0.6	
E53A	Dumoine, Ponti	36.91 267	P	P	01 06 25.0	-0.1	
FFD	Franklin Falls	36.92 259	PFAKE	LR	01 06 40.0	+15	
FFD	comp=Z,2um,18.0s		MLR	MLR			
BALB	Balkesit	36.94 114	eP	P	01 06 24.9	-0.5	
BALB	comp=Z,38nm,0.9s		MLR	MLR			
BALB	comp=Z,3um,18.0s		MLR	MLR			
HNH	Hanover	36.97 260	eP	P	01 06 27.2	+1.6	
HNH	comp=Z,116nm,1.5s		MLR	MLR			
VLX	Vlachokerasia	37.01 122	P	P	01 06 25.8	-0.3	
D51A	Lot 18 Range I	37.01 270	P	P	01 06 25.7	-0.2	
ITM	Ithomi	37.03 122	eP	P	01 06 23.5	-2.7	
ITM	comp=Z,15nm,0.7s		MLR	MLR			
LONY	Lake Ozonia	37.12 263	eP	P	01 06 27.8	+0.9	
LONY	comp=Z,2um,22.0s		MLR	MLR			
LONY	Lake Ozonia	37.12 263	P	P	01 06 26.9	0.0	
DD	Didima	37.18 121	P	P	01 06 24.2	-3.3	
PEMO	Penroste	37.31 266	P	P	01 06 28.1	-0.4	
E52A	Mattawa	37.38 268	P	P	01 06 28.8	-0.3	
ALGO	Algonquin Park	37.41 267	P	P	01 06 29.0	-0.3	
G55A	Calabogie	37.45 265	P	P	01 06 29.8	+0.2	
MDUB	Mudurnu	37.46 109	eP	P	01 06 31.0	+1.1	
MDUB	comp=Z,69nm,0.9s		MLR	MLR			
E51A	G1948 Merrick	37.51 269	P	P	01 06 30.3	+0.1	
NCB	Newcomb	37.52 262	eP	P	01 06 30.8	+0.5	
NCB	comp=Z,38nm,1.3s		MLR	MLR			
D49A	Beulah Townshi	37.66 272	P	P	01 06 31.2	-0.2	
SNOP	Sinop	37.67 104	PFAKE	LR	01 06 40.0	+8.5	
SNOP	comp=Z,600nm,21.0s		MLR	MLR			
HRV	Adam Dziewonski	37.70 258	PFAKE	LR	01 06 40.0	+8.2	
HRV	comp=Z,4um,18.0s		MLR	MLR			
HRV	Adam Dziewonski	37.70 258	P	P	01 06 31.8	0.0	
WES	Weston	37.71 258	PFAKE	LR	01 06 40.0	+8.2	
WES	comp=Z,4um,18.0s		MLR	MLR			
PLVO	Plevna	37.77 266	PFAKE	LR	01 06 40.0	+7.6	
PLVO	comp=Z,3um,20.0s		MLR	MLR			
PLVO	Plevna	37.77 266	P	P	01 06 31.7	-0.6	
ACCN	Adirondack Com	37.79 261	PFAKE	LR	01 06 40.0	+7.4	
ACCN	comp=Z,2um,21.0s		MLR	MLR			
YK3W	Yellowknife Ar	37.90 312	eP	P	01 06 33.7	+	

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D41A	Chassel	40.72 278	PFAKE	LR	01 07 10.0 +13
D41A	comp=Z,5um,18.0s				
D41A	Chassel	40.72 278	P	P	01 06 56.2 -0.7
F44A	Big Bay de Noc	40.75 275	P	P	01 06 57.6 +0.4
LUPA	Lehigh Unvers	40.82 260	eP	P	01 06 59.2 +1.3
LUPA	comp=Z,5.2nm,1.3s				
LUPA	comp=Z,300nm,18.0s			LR	
GROC	Groznyy	40.87 92	eP	P	01 06 58.8 +0.5
GROC	e				01 08 33.9
GROC	e				01 09 00.0
GROC	eS			S	01 13 12.0 +2.8
GROC	pmax			pmax	
E42A	Champion	40.97 277	P	P	01 06 59.0 -0.1
E42A	comp=Z,102nm,1.4s				
GLMI	Grayling	40.97 272	PFAKE	LR	01 07 10.0 +11
GLMI	comp=Z,5um,18.0s				
GLMI	Grayling	40.97 272	P	P	01 06 57.3 -1.7
I49A	Point Hope	40.98 270	PFAKE	LR	01 07 10.0 +11
I49A	comp=Z,2um,18.0s				
I49A	Point Hope	40.98 270	P	P	01 06 57.2 -2.0
H47A	Mio	40.99 272	P	P	01 06 59.5 +0.2
ELFO	Elginfield	41.00 268	P	P	01 06 59.3 -0.1
ULM	Lac du Bonnet	41.00 287	P	P	01 06 59.5 +0.3
ULM	comp=Z,42nm,0.8s,baz=39,slow=8.4,SNR=36			PcP	01 09 01.0 +2.0
ULM	comp=Z,4.0nm,0.7s,baz=16,slow=7.8,SNR=4.6			LR	01 23 28.3
ULM	comp=Z,5um,18.2s,baz=40,slow=35			LR	01 06 59.1 -0.1
ULM	comp=Z,66nm,1.0s			LR	
ULM	comp=Z,5um,19.0s			LR	
K52A	Tillsonburg	41.10 267	P	P	01 07 00.2 0.0
EYMN	Ely	41.16 281	eP	P	01 06 59.6 -1.0
EYMN	comp=Z,56nm,1.0s			LR	
EYMN	Ely	41.16 281	P	P	01 06 59.5 -1.0
F43A	Flat Rock, Esc	41.16 276	P	P	01 07 00.5 -0.2
F43A	comp=Z,36,SNR=9.9				
G45A	Suttons Bay	41.21 274	PFAKE	LR	01 07 10.0 +9.0
G45A	comp=Z,4um,19.0s				
G45A	Suttons Bay	41.21 274	P	P	01 07 00.8 -0.3
E41A	Kenton	41.36 278	P	P	01 07 02.0 -0.3
ERPA	Erie	41.37 266	PFAKE	LR	01 07 10.0 +7.6
ERPA	comp=Z,3um,21.0s				
M55A	Ridgway	41.43 264	P	P	01 07 03.2 +0.3
H46A	Fife Lake	41.44 273	P	P	01 07 02.7 -0.3
K51A	Iona Station	41.47 268	P	P	01 07 03.0 -0.2
ABKAR	Abdulak array	41.53 75	eP	P	01 07 02.6 -0.9
J49A	Marlette	41.59 270	P	P	01 07 04.0 -0.2
I47A	Gladwin	41.59 272	PFAKE	LR	01 07 20.0 +16
I47A	comp=Z,4um,18.0s				
I47A	Gladwin	41.59 272	P	P	01 07 04.1 -0.1
L53A	Girard	41.62 266	P	P	01 07 04.7 +0.3
PAGS	Pennsylvania G	41.67 261	eP	P	01 07 03.8 -1.1
PAGS	comp=Z,63nm,1.1s			LR	
PAGS	comp=Z,2um,20.0s			LR	
PAGS	Delisi	41.69 94	eP	P	01 07 06.1 +1.1
PAGS	comp=Z,92nm,1.5s				
TBLG	Delisi	41.69 94	eP	P	01 07 06.1 +1.1
TBLG	comp=Z,92nm,1.5s			pmax	
H45A	Beulah	41.71 273	P	P	01 07 04.2 -0.9
MVL	Millersville	41.72 261	eP	P	01 07 03.7 -1.5
MVL	comp=Z,69nm,1.2s			LR	
COWI	Conover	41.73 277	eP	P	01 07 07.7 +2.4
COWI	comp=Z,41nm,1.4s			LR	
E40A	Wakefield	41.75 278	P	P	01 07 04.7 -0.8
E40A	comp=Z,4um,19.0s				
M54A	Oil Creek Stat	41.76 265	eP	P	01 07 05.6 0.0
M54A	comp=Z,93nm,1.2s			LR	
M54A	Oil Creek Stat	41.76 265	P	P	01 07 05.9 +0.3
M54A	comp=Z,3um,21.0s			LR	
MAK	Makhachkala	41.76 91	eP	P	01 07 00.1 -5.4
MAK	comp=Z,255nm,1.4s			eS	01 13 16.1 -6.2
MAK	comp=Z,255nm,1.4s			eSS	01 16 24.3 -3.4
MAK	comp=Z,255nm,1.4s			pmax	
SSPA	Standing Stone	41.79 263	eP	P	01 07 04.0 -1.8
SSPA	comp=Z,1um,16.0s				
SSPA	Standing Stone	41.79 263	P	P	01 07 05.8 0.0
SSPA	comp=Z,61nm,1.4s			LR	
ALLY	Alegheny Cole	41.83 266	eP	P	01 07 05.7 -0.5
ALLY	comp=Z,100nm,1.4s			LR	
G43A	Wallace	41.84 275	PFAKE	LR	01 07 20.0 +14
G43A	comp=Z,3um,20.0s				
G43A	Wallace	41.84 275	P	P	01 07 06.3 +0.1
J48A	Bridge Port	41.90 270	PFAKE	LR	01 07 10.0 +3.3
J48A	comp=Z,2um,20.0s				
J48A	Bridge Port	41.90 270	P	P	01 07 03.2 -3.5
KARS	Kars	41.96 97	eP	P	01 07 08.8 +1.5
KARS	comp=Z,148nm,1.3s				
KARS	Kars	41.96 97	eP	P	01 07 08.9 +1.5
KARS	comp=Z,148nm,1.3s			pmax	
F41A	Three Lakes	42.01 277	eP	P	01 07 07.0 -0.6
F41A	comp=Z,35nm,1.0s			LR	
F41A	Three Lakes	42.01 277	P	P	01 07 07.6 0.0
F41A	comp=Z,5um,18.0s				
I46A	Reed City	42.03 272	P	P	01 07 07.9 +0.1
E39A	Mellen	42.06 279	P	P	01 07 07.7 -0.3
E39A	comp=Z,35,SNR=5.3				
N55A	Marion Center	42.10 264	eP	P	01 07 07.2 -1.2
N55A	comp=Z,69nm,1.2s			LR	
N55A	Marion Center	42.10 264	P	P	01 07 07.9 -0.5
N55A	comp=Z,2um,22.0s			LR	
FYU	Fort Yukon	42.14 332	eP	P	01 07 10.5 +2.1
FYU	comp=Z,150nm,1.2s			LR	
G42A	Mountain	42.15 276	eP	P	01 07 10.9 +2.2
G42A	comp=Z,700nm,21.0s				
G42A	Mountain	42.15 276	P	P	01 07 08.0 -0.7
G42A	comp=Z,4um,18.0s				
K49A	Clarkson	42.20 270	P	P	01 07 09.2 0.0
K49A	comp=Z,3um,19.0s				

M53A	WI Miller and	42.22 266	P	P	01 07 09.6 +0.3
M53A	comp=Z,3um,19.0s				
F40A	Park Falls	42.27 278	P	P	01 07 08.7 -1.0
F40A	comp=Z,44nm,1.1s				
E38A	The Farm, Brul	42.27 280	PFAKE	LR	01 07 20.0 +10
E38A	comp=Z,3um,19.0s				
E38A	The Farm, Brul	42.27 280	P	P	01 07 09.5 -0.2
E38A	comp=Z,35				
I45A	Fountain	42.27 273	PFAKE	LR	01 07 20.0 +10
I45A	comp=Z,4um,19.0s				
BRVK	Borovoye	42.34 64	eP	P	01 07 10.6 +0.4
BRVK	comp=Z,59nm,1.5s			LR	
BRVK	Borovoye	42.34 64	eP	P	01 07 10.6 +0.4
BRVK	comp=Z,800nm,19.0s			MLR	
BRVK	Borovoye	42.34 64	eP	P	01 07 10.6 +0.4
BRVK	comp=Z,59nm,1.5s			pmax	
BRVK	Borovoye	42.34 64	eP	P	01 07 10.6 +0.4
BRVK	comp=Z,800nm,19.0s			MLR	
BRVK	Borovoye	42.34 64	P	P	01 07 12.1 +1.9
N54A	Moraine State	42.35 265	eP	P	01 07 10.2 -0.2
N54A	comp=Z,57nm,1.0s			LR	
N54A	Moraine State	42.35 265	P	P	01 07 10.6 +0.2
N54A	comp=Z,3um,21.0s				
J47A	Summer	42.37 271	PFAKE	LR	01 07 20.0 +9.5
J47A	comp=Z,2um,18.0s				
J47A	Summer	42.37 271	P	P	01 07 11.2 +0.7
J47A	comp=Z,3um,19.0s				
O56A	Blue Knob Stat	42.37 263	eP	P	01 07 10.6 -0.1
O56A	comp=Z,2um,22.0s			LR	
O56A	Blue Knob Stat	42.37 263	P	P	01 07 11.2 +0.6
O56A	comp=Z,3um,18.0s				
M52A	Chesterland	42.41 267	eP	P	01 07 11.9 +1.0
M52A	comp=Z,80nm,0.9s			LR	
M52A	Chesterland	42.41 267	P	P	01 07 11.4 +0.5
M52A	comp=Z,3um,18.0s				
SDMD	Soldier's Deli	42.42 261	eP	P	01 07 10.5 -0.5
SDMD	comp=Z,37nm,1.2s			LR	
SDMD	Soldier's Deli	42.42 261	LR	LR	
COLD	Goldot	42.44 335	eP	P	01 07 12.2 +1.3
COLD	comp=Z,1um,20.0s				
COLD	Goldot	42.44 335	eP	P	01 07 12.2 +1.3
COLD	comp=Z,31nm,1.5s				
K48A	Perry	42.45 270	P	P	01 07 11.5 +0.2
K48A	comp=Z,3um,19.0s				
H43A	Windswept, Lux	42.53 275	eP	P	01 07 14.0 +2.2
H43A	comp=Z,75nm,1.0s			LR	
H43A	Windswept, Lux	42.53 275	P	P	01 07 11.6 -0.2
H43A	comp=Z,4um,20.0s				
L50A	Kingsville	42.56 268	P	P	01 07 12.5 +0.4
L50A	comp=Z,3um,18.0s				
AGMN	Agassiz Nation	42.58 285	eP	P	01 07 12.6 +0.4
AGMN	comp=Z,79nm,1.0s			LR	
AGMN	Agassiz Nation	42.58 285	P	P	01 07 11.8 -0.4
AGMN	comp=Z,4um,20.0s				
F39A	Loretta	42.59 279	P	P	01 07 12.3 0.0
F39A	comp=Z,3um,19.0s				
J46A	Howard City	42.61 272	P	P	01 07 12.8 +0.3
J46A	comp=Z,3um,19.0s				
AAM	Ann Arbor	42.69 269	PFAKE	LR	01 07 20.0 +6.9
AAM	comp=Z,2um,18.0s				
AAM	Ann Arbor	42.69 269	P	P	01 07 13.3 +0.1
AAM	comp=Z,3um,19.0s				
O55A	Ligier	42.72 264	P	P	01 07 13.5 +0.1
O55A	comp=Z,3um,19.0s				
PLIO	Pelee Island,	42.74 268	P	P	01 07 13.8 +0.3
PLIO	comp=Z,3um,19.0s				
H42A	Shiocton	42.80 276	eP	P	01 07 13.0 -1.0
H42A	comp=Z,57nm,1.1s			LR	
H42A	Shiocton	42.80 276	P	P	01 07 14.3 +0.3
H42A	comp=Z,5um,18.0s				
N53A	Lisbon	42.82 266	eP	P	01 07 13.8 -0.5
N53A	comp=Z,172nm,1.7s			LR	
N53A	Lisbon	42.82 266	P	P	01 07 14.5 +0.3
N53A	comp=Z,3um,20.0s				
J45A	Montague	42.83 273	PFAKE	LR	01 07 30.0 +16
J45A	comp=Z,4um,18.0s				
G40A	Rib Lake	42.84 278	eP	P	01 07 14.8 +0.5
G40A	comp=Z,64nm,1.2s			LR	
G40A	Rib Lake	42.84 278	LR	LR	
G40A	comp=Z,4um,19.0s				
L49A	Milan	42.89 269	P	P	01 07 14.9 +0.1
L49A	comp=Z,3um,19.0s				
EGAK	Eagle	42.90 328	eP	P	01 07 14.8 +0.3
EGAK	comp=Z,79nm,1.5s			LR	
EGAK	Eagle	42.90 328	LR	LR	
M51A	Elyria	42.91 267	P	P	01 07 15.2 +0.3
M51A	comp=Z,1um,19.0s				
K47A	Vermontville	42.92 271	P	P	01 07 15.1 +0.1
K47A	comp=Z,3um,21.0s				
F38A	Pierce - Schro	42.93 280	P	P	01 07 15.4 +0.4
F38A	comp=Z,3um,19.0s				
GNI	Garni	43.03 96	eP	P	01 07 17.1 +1.0
GNI	comp=Z,72nm,1.2s			LR	
GNI	Garni	43.03 96	iP	P	01 07 16.4 +0.3
GNI	comp=Z,2um,21.0s				
GNI	Garni	43.03 96	eP	P	01 07 17.1 +1.0
GNI	comp=Z,73nm,1.2s			pmax	
GNI	Garni	43.03 96	P	P	01 07 18.8 +2.7
GNI	comp=Z,2um,21.0s			MLR	
CSS	Mathiatis	43.10 111	PFAKE	LR	01 07 30.0 +13
CSS	comp=Z,900nm,20.0s				
PRP	Porcupine Dome	43.12 331	eP	P	01 07 18.9 +2.3
PRP	comp=Z,44nm,1.1s				
N52A	McGinn's Farm,	43.16 266	P	P	01 07 17.3 +0.4
N52A	comp=Z,44nm,1.1s				
H41A	Junction City	43.16 277	eP	P	01 07 17.0 +0.1
H41A	comp=Z,42nm,1.2s			LR	
H41A	Junction City	43.16 277	LR	LR	
H41A	comp=Z,4um,18.0s				
I43A	Langenfeld Bro	43.16 275	P	P	01 07 16.9 0.0
I43A	comp=Z,3um,19.0s				
O54A	Avella	43.17 265	P	P	01 07 17.3 +0.3
O54A	comp=Z,3um,19.0s				

I39A	Houston comp-Z,43nm,1.3s	44.54 278	eP	P	01 07 28.6 +0.6
I39A	comp-Z,4um,18.0s		LR	LR	
I39A	Houston baz=33	44.54 278	P	P	01 07 27.8 -0.2
WRH	Wood River Hill comp-Z,92nm,1.9s	44.55 332	eP	P	01 07 29.2 +1.3
K42A	Prairie Point, baz=33	44.57 275	P	P	01 07 28.2 0.0
RIDG	Independ'e Rid comp-Z,44nm,1.0s	44.58 330	eP	P	01 07 30.0 +1.8
J40A	Soldiers Grove baz=33	44.61 277	P	P	01 07 28.7 +0.2
R55A	Marlinton comp-Z,96nm,1.6s	44.69 263	eP	P	01 07 30.0 +0.6
R55A	comp-Z,2um,18.0s		LR	LR	
R55A	Marlinton baz=30	44.69 263	P	P	01 07 29.9 +0.5
N47A	Urbana	44.70 270	P	P	01 07 28.6 -0.8
O49A	Covington comp-Z,70nm,1.1s	44.75 268	eP	P	01 07 29.3 -0.4
O49A	comp-Z,3um,18.0s		LR	LR	
O49A	Covington baz=30	44.75 268	P	P	01 07 29.8 0.0
O53A	Leroy baz=31	44.76 265	P	P	01 07 30.4 +0.5
T59A	Double "B" Far T59A	44.81 260	PFAKE LR	LR	01 07 40.0 +1.0
T59A	comp-Z,3um,18.0s		P	P	01 07 30.3 +0.1
JFWS	Jewell Farm	44.81 276	PFAKE LR	LR	01 07 40.0 +1.0
JFWS	comp-Z,4um,18.0s		P	P	01 07 31.1 +0.9
L43A	Garden Prairie baz=33	44.83 274	P	P	01 07 30.5 +0.2
P51A	Williamsport comp-Z,36nm,1.0s	44.84 267	eP	P	01 07 29.6 -0.9
P51A	comp-Z,3um,20.0s		LR	LR	
P51A	Williamsport baz=31	44.84 267	P	P	01 07 30.3 -0.2
M45A	Boilermakers S baz=30	44.90 272	P	P	01 07 30.7 -0.2
O52A	Bidwell baz=31	44.97 266	P	P	01 07 31.3 -0.1
O48A	Farmland baz=30	45.02 269	P	P	01 07 31.5 -0.4
P50A	Jamestown baz=31	45.03 268	P	P	01 07 31.7 -0.3
J39A	Decorah	45.04 277	P	P	01 07 32.1 0.0
MENT	Mentasta baz=33	45.06 329	eP	P	01 07 34.1 +2.1
MENT	comp-Z,24nm,1.0s		LR	LR	
K41A	Shullsburg baz=33	45.09 276	P	P	01 07 32.4 0.0
N46A	Monticello baz=32	45.11 271	P	P	01 07 33.1 +0.5
R54A	Victor baz=30	45.13 264	P	P	01 07 32.5 -0.3
M44A	Midewin, Midew M44A	45.22 273	PFAKE LR	LR	01 07 50.0 +1.7
M44A	Midewin, Midew baz=33	45.22 273	P	P	01 07 33.7 +0.2
T58A	Grand View Acr baz=30	45.22 261	P	P	01 07 33.7 +0.2
S55A	Lewisburg baz=30	45.28 263	P	P	01 07 34.0 -0.1
O51A	Peebles comp-Z,62nm,1.3s	45.34 267	eP	P	01 07 34.3 -0.2
O51A	comp-Z,3um,20.0s		LR	LR	
O51A	Peebles baz=31	45.34 267	P	P	01 07 34.1 -0.4
L42A	Oliver, Polo comp-Z,45nm,1.1s	45.35 275	eP	P	01 07 33.7 -0.8
L42A	comp-Z,4um,18.0s		LR	LR	
L42A	Oliver, Polo baz=32	45.35 275	P	P	01 07 34.3 -0.1
K40A	Colesburg baz=33	45.35 276	P	P	01 07 34.2 -0.3
R53A	Hurricane	45.38 265	PFAKE LR	LR	01 07 50.0 +1.5
R53A	comp-Z,4um,21.0s		P	P	01 07 35.0 +0.2
PAX	Paxson	45.39 330	PFAKE LR	LR	01 07 50.0 +1.5
BP	Bear Paw Mtn. comp-Z,55nm,1.2s	45.42 333	eP	P	01 07 36.3 +1.5
U59A	Littleton	45.44 259	PFAKE LR	LR	01 07 50.0 +1.5
U59A	comp-Z,2um,18.0s		P	P	01 07 35.1 -0.1
O47A	Sheridan baz=32	45.45 270	P	P	01 07 34.7 -0.5
V61A	Roper	45.45 258	PFAKE LR	LR	01 07 50.0 +1.5
V61A	comp-Z,2um,18.0s		P	P	01 07 35.6 +0.2
P49A	Miami Univ. Ec baz=31	45.46 268	P	P	01 07 35.0 -0.4
T57A	Hurt comp-Z,58nm,1.1s	45.46 261	eP	P	01 07 35.6 +0.2
T57A	comp-Z,3um,18.0s		LR	LR	
T57A	Hurt baz=30, SNR=9.8	45.46 261	P	P	01 07 35.7 +0.2
N45A	Kentland baz=32	45.46 272	P	P	01 07 35.6 +0.2
HYT	Haines Junctio comp-Z,48nm,1.2s	45.54 323	eP	P	01 07 38.1 +2.2
HYT	comp-Z,1um,18.0s		LR	LR	
M43A	Waltham Townsh baz=30	45.54 274	P	P	01 07 36.5 +0.4
DGMT	Dagmar	45.61 292	eP	P	01 07 37.0 +0.4
DGMT	comp-Z,1um,19.0s		LR	LR	
DGMT	Dagmar baz=34, SNR=9.2	45.61 292	P	P	01 07 36.6 +0.1
L41A	Preston baz=32	45.62 275	P	P	01 07 36.6 0.0
K39A	Oelwein baz=33	45.64 277	P	P	01 07 36.6 -0.2
R52A	Cattlettsburg baz=31	45.65 265	P	P	01 07 37.1 +0.2
RND	Reindeer	45.66 332	eP	P	01 07 37.7 +0.9
RND	comp-Z,14nm,0.8s		P	P	01 07 37.7 +0.9
RND	Reindeer	45.66 332	eP	P	01 07 37.7 +0.9
DHY	Denali Highway comp-Z,34nm,1.3s	45.68 331	eP	P	01 07 38.8 +1.7
DHY	comp-Z,900nm,19.0s		LR	LR	
DLBC	Dease Lake comp-Z,69nm,1.8s	45.69 317	eP	P	01 07 37.3 +0.2
DLBC	comp-Z,1um,21.0s		LR	LR	
SFIN	Lafayette comp-Z,129nm,1.7s	45.69 271	eP	P	01 07 36.8 -0.3
SFIN	comp-Z,3um,18.0s		LR	LR	
SFIN	Lafayette baz=32	45.69 271	P	P	01 07 36.9 -0.3
U58A	Oxford baz=29	45.70 260	P	P	01 07 37.5 +0.2
BRZS	Berezniaki 45.72 64c	iP	P	01 07 35.2 -2.1	
BRZS	comp-Z,115nm,1.0s		eS	S	01 09 23.6
BRZS	comp-Z,115nm,1.0s		eS	S	01 14 22.0 +2.0

BRZS	Berezniaki comp-Z,115nm,1.0s	45.72 64	iP	P	01 07 35.2 -2.1
BRZS	comp-Z,641nm,13.6s		ePP	PP	01 09 23.6 -0.4
BRZS	Bilibino	45.73 358	eP	SL	01 14 22.1 +2.0
BRZS	Bilibino	45.73 358	eP	SL	01 26 01.9
BILL	Bilibino	45.73 358	eP	P	01 07 38.2 +1.1
BILL	comp-Z,12nm,1.2s		e	P	01 07 37.0 -0.2
BILL	Bilibino	45.73 358	eP	P	01 07 42.6
BILL	comp-Z,8.0nm,1.1s		eS	S	01 14 30.0 +1.0
BILL	comp-Z,436nm,18.0s		pmax	pmax	
BLA	Blacksburg	45.74 263	PFAKE LR	LR	01 07 50.0 +1.2
BLA	comp-Z,2um,22.0s		MLR	MLR	
BLA	Blacksburg baz=30	45.74 263	P	P	01 07 38.0 +0.3
T56A	Rocky Mt baz=30	45.74 262	P	P	01 07 37.5 -0.1
Q50A	Georgetown baz=31	45.75 267	P	P	01 07 37.3 -0.4
N44A	Piper City baz=32	45.76 272	P	P	01 07 37.9 +0.2
P48A	Milroy baz=31	45.81 269	P	P	01 07 37.8 -0.3
HARP	HARP comp-Z,155nm,1.3s	45.84 329	eP	P	01 07 38.8 +0.7
HARP	comp-Z,1um,19.0s		LR	LR	
M42A	Sheffield baz=32	45.85 274	P	P	01 07 38.1 -0.4
TRF	Thorfare Moun comp-Z,17nm,1.0s	45.89 333	eP	P	01 07 40.5 +1.7
L40A	Anamosa comp-Z,60nm,1.1s	45.92 276	eP	P	01 07 41.0 +2.1
L40A	comp-Z,5um,18.0s		LR	LR	
L40A	Anamosa baz=32, SNR=6.0	45.92 276	P	P	01 07 38.5 -0.5
T55A	Pulaski baz=30	45.96 263	P	P	01 07 39.9 +0.4
Q49A	Aurora baz=31	45.98 268	P	P	01 07 39.6 +0.1
S53A	Williamson baz=30	46.01 265	P	P	01 07 40.0 +0.2
N43A	Stutzman Famil baz=32	46.05 273	P	P	01 07 40.3 +0.2
O45A	Potomac baz=30	46.06 272	P	P	01 07 40.0 -0.1
R51A	Hillsboro baz=31	46.06 266	P	P	01 07 40.1 0.0
TAM	Tamanrasset comp-Z,12nm,1.2s	46.10 150	eP	P	01 07 41.6 +0.8
TAM	comp-Z,800nm,19.0s		LR	LR	
TAM	Tamanrasset	46.10 150	eP	P	01 07 41.6 +0.8
TAM	comp-Z,12nm,1.2s		pmax	pmax	
TAM	comp-Z,800nm,19.0s		MLR	MLR	
P47A	Martinsville	46.12 270	P	P	01 07 40.4 -0.2
V59A	Middlesex baz=29	46.13 259	P	P	01 07 40.8 +0.1
L39A	Vinton baz=32, SNR=7.2	46.18 277	P	P	01 07 40.4 -0.6
SKAG	Skagway	46.20 321	PFAKE LR	LR	01 07 50.0 +9.1
M41A	Milan baz=32	46.23 275	P	P	01 07 41.2 -0.3
CTGM	Chitina Glacie comp-Z,24nm,1.1s	46.30 326	eP	P	01 07 42.9 +0.9
CTGM	comp-Z,1um,21.0s		LR	LR	
T54A	Tazewell baz=30	46.33 264	P	P	01 07 42.0 -0.3
R50A	Paris baz=31, SNR=5.3	46.38 267	P	P	01 07 42.4 -0.3
Q48A	Not Vernon baz=31	46.38 269	P	P	01 07 42.6 -0.1
P46A	Rosedale baz=31	46.39 271	P	P	01 07 42.4 -0.3
S52A	Salysersville baz=30	46.39 265	P	P	01 07 43.4 +0.6
HDIL	Hopedale comp-Z,153nm,1.7s	46.42 273	eP	P	01 07 43.3 +0.3
HDIL	comp-Z,3um,18.0s		LR	LR	
HDIL	Hopedale baz=32	46.42 273	P	P	01 07 43.4 +0.5
O44A	Mansfield baz=32	46.44 272	P	P	01 07 43.4 +0.4
CNNC	Cliffs of the CNNC	46.45 259	PFAKE LR	LR	01 07 50.0 +6.8
CNNC	comp-Z,700nm,18.0s		P	P	01 07 43.4 +0.2
BALM	Baldy baz=29	46.46 327	PFAKE LR	LR	01 08 00.0 +1.7
N42A	Yates City	46.49 274	P	P	01 07 43.8 +0.3
BLO	Bloomington	46.49 270	PFAKE LR	LR	01 08 00.0 +1.6
W60A	Pink Hill baz=29	46.54 258	P	P	01 07 44.0 0.0
ZAA1	Zalesovo Array	46.54 53	eP	P	01 07 43.8 0.0
ZAA1	ZAA1	46.55 53	eP	P	01 09 18.1 +0.3
ZAA0	Zalesovo Array comp-Z,18nm,1.4s	46.55 53	eP	P	01 07 43.8 0.0
ZALV	comp-Z,600nm,20.0s		LR	LR	
ZALV	Zalesovo Beam	46.55 53	P	P	01 07 43.8 0.0
ZALV	comp-Z,5.1nm,0.8s,baz=319,slow=6.5,SNR=12		P	P	01 09 18.0 +0.3
ZALV	comp-Z,1.1nm,0.5s,baz=308,slow=3.7,SNR=2.8		P	P	01 28 04.6
ZALV	comp-Z,620nm,20.5s,baz=266,slow=38		LR	LR	
ZALV	Zalesovo Beam	46.55 53	eP	P	01 07 43.1 -0.6
M40A	Post Highland baz=32	46.55 276	P	P	01 07 44.4 +0.1
U55A	TA2, Sparta baz=30, SNR=12	46.60 263	P	P	01 07 44.3 -0.2
V57A	Coltrane Farms baz=29	46.63 261	P	P	01 07 44.9 +0.3
S51A	Beattyville comp-Z,36nm,1.0s	46.63 266	eP	P	01 07 43.5 -1.1
S51A	comp-Z,2um,21.0s		LR	LR	
S51A	Beattyville baz=30	46.63 266	P	P	01 07 44.5 -0.1
ECSD	EROS Data Cent comp-Z,40nm,1.0s	46.65 282	eP	P	01 07 45.5 +0.8
ECSD	comp-Z,5um,18.0s		LR	LR	
ECSD	EROS Data Cent baz=30, SNR=28	46.65 282	P	P	01 07 44.6 -0.1
Q47A	Bedford North L baz=31	46.66 269	P	P	01 07 44.9 0.0
O43A	Sugar Creek Fa baz=32	46.66 273	P	P	01 07 45.5 +0.7
P45A	Graceland, Par comp-Z,64nm,1.4s	46.68 271	eP	P	01 07 45.8 +0.8
P45A	comp-Z,3um,18.0s		LR	LR	
P45A	Graceland, Par baz=31	46.68 271	P	P	01 07 45.0 0.0
R49A	Shelbyville baz=31	46.70 268	P	P	01 07 45.0 -0.2
W59A	Clinton baz=29	46.73 259	P	P	01 07 45.8 +0.3
PPLA	Purkeypille comp-Z,94nm,1.6s	46.75 333	eP	P	01 07 46.7 +1.3
T53A	Wise baz=30	46.78 264	P	P	01 07 46.4 +0.5
SCM	Sheep Creek Mo comp-Z,127nm,1.4s	46.80 330	eP	P	01 07 47.5 +1.7
SCM	comp-Z,600nm,19.0s		LR	LR	
SCM	Sheep Creek Mo	46.80 330	eP	P	01 07 47.5 +1.7
SCM	comp-Z,127nm,1.4s		pmax	pmax	
SCM	comp-Z,600nm,19.0s		MLR	MLR	

BCPM	Bancas Point comp-Z,600nm,19.0s	46.81 324	PFAKE LR	LR	01 08 00.0 +1.4
BCPM	comp-Z,1um,19.0s		LR	LR	
KLU	Klutina comp-Z,39nm,1.1s	46.82 329	eP	P	01 07 46.2 +0.3
KLU	comp-Z,600nm,21.0s		LR	LR	
TGL	Tana Glacier comp-Z,39nm,1.1s	46.82 327	eP	P	01 07 47.3 +1.3
TGL	comp-Z,800nm,20.0s		LR	LR	
SCIA	State Center comp-Z,68nm,0.9s	46.84 278	eP	P	01 07 46.1 -0.1
SCIA	comp-Z,3um,18.0s		LR	LR	
SCIA	State Center	46.84 278	P	P	01 07 46.6 +0.3
BESE	Bessie Mountai comp-Z,28nm,1.0s	46.85 320	eP	P	01 07 45.7 -0.4
BESE	comp-Z,2um,20.0s		LR	LR	
T52A	Hallie	46.85 265	PFAKE LR	LR	01 08 00.0 +1.4
T52A	comp-Z,4um,21.0s		P	P	01 07 46.7 +0.3
R48A	Northridge Ran baz=30	46.89 269	P	P	01 07 46.8 +0.2
U54A	Nelsons Funny comp-Z,41nm,1.0s	46.89 263	eP	P	01 07 46.2 -0.6
U54A	comp-Z,2um,21.0s		LR	LR	
U54A	Nelsons Funny	46.89 263	P	P	01 07 46.8 0.0
N41A	Harden Midland baz=30	46.92 275	PFAKE LR	LR	01 08 00.0 +1.3
N41A	comp-Z				







2d 0h

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Table with columns for station ID, call sign, frequency, power, and other technical details. Includes stations like U32A, MA2, F05D, SHLS, etc.

Table with columns for station ID, call sign, frequency, power, and other technical details. Includes stations like T25A, T25A, H04D, PINE, etc.

Table with columns for station ID, call sign, frequency, power, and other technical details. Includes stations like ABTX, HUMP, HUMP, L04D, etc.



RREF	El Recreo	73.07	242	eP	P	01 10 51.6	+4.2
CD2	Chengdu	73.22	50	IP	S	01 10 47.0	-0.5
CD2				sP	sP	01 10 51.6	-0.4
CD2				PP	PP	01 13 31.0	+1.0
CD2				SS	SS	01 20 17.3	-1.4
CD2				SS	SS	01 24 52.9	-3.0
CD2	comp=Z,20nm,0.5s			pmax	pmax		
CD2	comp=Z,270nm,5.7s			pmax	pmax		
CD2	comp=Z,1µm,23.5s			LR	LR		
CD2	comp=Z,2µm,17.7s			LR	LR		
CD2	comp=Z,1µm,20.6s			LR	LR		
VILC	Villavicencio	73.23	240	eP	P	01 10 48.8	+1.0
VILC	Villavicencio	73.23	240	eP	P	01 10 48.8	+1.0
RBCR	Riachuelo	73.34	199	eP	P	01 10 51.6	+3.4
PTGA	Pitinga	73.45	225	PFAKE	LR	01 11 00.0	+1.1
PTGA							
PTGA	comp=Z,500nm,19.0s						
BOK	Bokaro	73.64	68	eP	P	01 10 50.0	0.0
BOK				IAMB	IAMB	01 10 55.0	
BOK	comp=Z,192nm,0.1s			IAMS_20	IAMS_20	01 43 45.0	
BOK	comp=Z,1µm,29.3s						
PRAC	Prado	74.01	241	eP	P	01 10 55.4	+3.1
PRAC	Shillong	74.01	241	eP	P	01 10 55.4	+3.1
SHL	Shillong	74.21	62	eP	P	01 10 53.0	-0.5
SHL				pmax	pmax		
SHL	comp=Z,61nm,1.3s			MLR	MLR		
SHL	comp=Z,700nm,21.0s						
SHL	Shillong	74.21	62	eP	P	01 10 53.0	-0.5
SHL							
SHL	comp=Z,700nm,21.0s						
YOTC	Yotoco, Valle	74.28	242	eP	P	01 10 55.2	+1.3
YOTC	Yotoco, Valle	74.28	242	eP	P	01 10 55.2	+1.3
ENH	Enshi	75.52	45	PFAKE	LR	01 11 10.0	+9.1
ENH							
ENH	comp=Z,800nm,19.0s						
MAJO	Matsushiro	75.63	20	eP	P	01 11 02.5	+1.2
MAJO	Matsushiro	75.63	20	eP	P	01 11 02.5	+1.2
MJAR	Matsushiro Arr	75.63	20	eP	P	01 11 02.5	+1.2
PCON	Cinco Dias	75.83	242	eP	P	01 11 06.4	+3.0
PCON	Cinco Dias	75.83	242	eP	P	01 11 06.4	+3.0
SOTA	Rioblanco	76.09	242	eP	P	01 11 06.9	+2.2
SOTA	Rioblanco	76.09	242	eP	P	01 11 06.9	+2.2
FLOCC	Florencia	76.26	241	eP	P	01 11 08.2	+3.0
FLOCC	Florencia	76.26	241	eP	P	01 11 08.2	+3.0
NJ2	Nanjing	76.31	37	eP	P	01 11 06.0	+0.7
NJ2				pmax	pmax		
GOA	Goa	76.50	82	eP	P	01 11 06.1	-0.4
GOA				IAMB	IAMB	01 11 11.1	
WHN	Wuhan	76.60	41	P	P	01 11 12.1	+5.2
HYB	Hyderabad	76.62	77	iP	P	01 11 09.0	+1.7
BRDH	Bariaudha	76.77	64	eP	P	01 11 09.2	+1.3
PTLC	Puerto Leguiza	77.28	239	eP	P	01 11 15.8	+4.9
PTLC	Puerto Leguiza	77.28	239	eP	P	01 11 15.8	+4.9
SSE	Sheshan	77.78	35	PFAKE	LR	01 11 30.0	+1.6
SSE							
GYA	Guiyang	78.27	49	P	P	01 11 17.2	+0.7
GYA				PP	PP	01 14 15.0	+2.2
GYA				S	S	01 21 10.8	-0.6
GYA				SKS	SKS	01 21 26.4	-4.5
GYA				pmax	pmax		
GYA	comp=Z,20nm,1.0s			pmax	pmax		
GYA	comp=Z,120nm,5.8s						
KMI	Kunming	78.29	53	P	P	01 11 16.7	-0.1
KMI				S	S	01 11 13.9	+2.1
KMI				SS	SS	01 26 17.8	+4.6
KMI				pmax	pmax		
KMI	comp=Z,8.0nm,1.0s						
KMI	comp=Z,110nm,4.4s						
KMI	comp=Z,370nm,18.8s						
KMI	comp=Z,570nm,18.4s						
KMI	comp=Z,510nm,23.1s						
KMI	Kunming	78.29	53	PFAKE	LR	01 11 30.0	+1.3
KMI							
OTAV	Otavalo	78.50	243	eP	P	01 11 19.9	+1.6
OTAV	Otavalo	78.50	243	eP	P	01 11 19.9	+1.6
OTAV				pmax	pmax		
OTAV	comp=Z,49nm,1.3s			MLR	MLR		
OTAV	comp=Z,300nm,18.0s						
OTAV	Otavalo	78.50	243	eP	P	01 11 22.4	+4.2
OTAV	Otavalo	78.50	243	eP	P	01 11 19.4	+1.1
SIMRM	Sittwe	79.55	64	PFAKE	LR	01 11 30.0	+6.6
SIMRM							
MDRS	Chennai	81.24	78	eP	P	01 11 32.2	-0.4
MDRS				IAMB	IAMB	01 11 37.2	
PEXB	Peixe	81.57	210	eP	P	01 11 37.0	+2.9
SLVN	Son La	82.20	53	PFAKE	LR	01 11 50.0	+1.2
SLVN							
CHTO	Chiang Mai	82.89	59	eP	P	01 11 40.7	-0.5
CHTO				ePP	PP	01 14 50.1	-1.0
CHTO				LR	LR		
CHTO	comp=Z,200nm,20.0s						
CHTO	Chiang Mai	82.89	59	eP	P	01 11 40.7	-0.5
CHTO							
CHTO	comp=Z,12nm,1.0s						
CHTO	comp=Z,200nm,20.0s						
CHTO	Chiang Mai	82.89	59	P	P	01 11 41.2	0.0
CHTO	SNR=8.5						
CHTO							
CHTO	SNR=8.5						
CHTO	Chiang Mai	82.89	59	P	P	01 11 41.3	0.0
CHTO	SNR=11.1s						
CMMT	Chiang Mai	82.90	59	P	P	01 11 41.3	0.0
CM31	Chiang Mai Arr	83.22	59	eP	P	01 11 43.0	0.0
CMAR	Chiang Mai Arr	83.22	59	eP	P	01 11 43.0	+0.4
CMAR	comp=Z,1.9nm,0.3s,baz=317,slow=7.1,SNR=5.7			PP	PP	01 15 00.5	+6.6
CMAR	comp=Z,2.6nm,0.3s,baz=319,slow=7.1,SNR=5.7			PP	PP	01 51 57.9	
CMAR	comp=Z,2.25nm,20.4s,baz=314,slow=38			LR	LR	01 11 42.8	-0.3
CM01	Chiang Mai Arr	83.27	59	eP	PP	01 14 58.9	+4.7
CM01				ePP	PP	01 12 00.0	+1.6
KNMB	Chin-men Tao	83.44	40	PFAKE	LR		
KNMB							
JANB	Januarja	83.69	206	eP	P	01 11 48.2	+2.9
YHNB	Yeheng	83.99	37	PFAKE	LR	01 12 00.0	+1.3
YHNB							
TRD	Trivandrum	84.09	82	eP	P	01 11 47.1	-0.2
HKPS	Hong Kong Po S	84.39	44	PFAKE	LR	01 12 00.0	+1.1
HKPS							
NACB	Ninganchiao	84.52	37	PFAKE	LR	01 12 00.0	+1.1
NACB							
SSLB	Suanglung	84.73	38	PFAKE	LR	01 12 00.0	+9.4
SSLB							
BDFB	Brasilia	84.95	209	P	P	01 11 51.0	-0.7
BDFB	comp=Z,7.1nm,1.1s,baz=209,slow=8.5,SNR=2.0			LR	LR	01 43 07.4	
BDFB							
NONG	Nongkai	85.00	55	P	P	01 11 54.6	+2.6

TPUB	Ta-pu	85.12	38	PFAKE	LR	01 12 00.0	+7.4
TPUB							
MCLB	Montes Claros	85.19	205	eP	P	01 11 55.5	+2.7
YULB	Yu-li	85.20	37	PFAKE	LR	01 12 00.0	+7.1
YULB							
MC19	Montes Claros	85.22	205	eP	P	01 11 56.0	+3.0
MC16	Montes Claros	85.33	205	eP	P	01 11 56.4	+2.9
TWG	Piniang	85.69	38	PFAKE	LR	01 12 10.0	+1.5
TWG							
DGPR	DIGLIPUR	85.97	66	eP	P	01 11 56.5	-0.3
DGPR				IAMB	IAMB	01 12 02.0	
UTHA	Uthaitani	86.09	59	P	P	01 12 00.8	+3.4
QIZ	Qiongzong	86.22	49	P	P	01 11 57.2	-0.8
QIZ				S	S	01 22 33.1	+0.3
QIZ				pmax	pmax		
QIZ	comp=Z,170nm,3.5s						
QIZ	comp=Z,340nm,13.7s						
QIZ	comp=Z,570nm,22.1s						
QIZ	comp=Z,500nm,17.7s						
QIZ	Qiongzong	86.22	49	PFAKE	LR	01 12 10.0	+1.2
QIZ							
SKNT	Sakolnakorn	86.30	55	P	P	01 11 58.6	+0.1
CHAI	Chaiyaphum	86.64	57	P	P	01 12 03.7	+3.6
SJMB	Sao Joao De Ma	86.75	202	eP	P	01 12 03.0	+2.6
SRDT	SRDT	87.10	60	P	P	01 12 05.1	+2.7
PBA	Port Blair	87.30	67	PFAKE	LR	01 12 10.0	+6.7
PBA							
PBA	Port Blair	87.30	67	eP	P	01 12 03.0	-0.4
PMNB	Patos De Minas	87.47	207	eP	P	01 12 05.1	+1.1
NPOC	North of Pu'u	88.68	320	PFAKE	LR	01 12 20.0	+1.0
NPOC							
ITRB	Iturama	89.37	211	eP	P	01 12 16.0	+3.1
BSCB	Bom Sucesso	89.58	205	eP	P	01 12 16.0	+2.1
CAM01	Campos-RJ	89.89	202	eP	P	01 12 18.6	+3.3
LPAZ	La Paz	90.59	228	eP	P	01 12 19.3	-0.1
LPAZ	comp=Z,3.2nm,0.8s,baz=23,slow=4.6,SNR=11			LR	LR	01 48 10.8	
LPAZ	comp=Z,2.19nm,21.5s,baz=14,slow=32						
LPAZ	La Paz	90.59	228	eP	P	01 12 16.9	-2.5
LPAZ				PcP	PcP	01 12 18.5	-2.0
LPAZ	La Paz	90.59	228	eP	P	01 12 16.9	-2.5
LPAZ							
LPAZ	La Paz	90.59	228	eP	P	01 12 18.5	
AQDB	Aquidauana	91.28	215	eP	P	01 12 21.1	+1.7
CMBY	CAMPBELL BAY	92.02	68	eP	P	01 12 24.5	+2.8
DLV	T Lat	92.47	52	PFAKE	LR	01 12 40.0	+1.2
DLV							
SPB	Sao Paulo	92.59	207	eP	P	01 12 30.4	+2.7
FRFB	Fartura	92.75	209	eP	P	01 12 31.1	+2.5
TRCB	Terra Rica	92.84	212	eP	P	01 12 32.9	+3.3
KULM	Kulim	96.05	62	PFAKE	LR	01 13 00.0	+1.6
KULM							
CPUP	Villa Florida	97.30	215	LR	LR	01 50 57.3	
PSI	Prapat	97.73	64	PFAKE	LR	01 13 00.0	+8.2
PSI							
MYKOM	Kota Tinggi	100.42	60	PFAKE	LR	01 13 10.0	+6.4
MYKOM							
BKNI	Bangkinang	100.79	63	PFAKE	LR	01 13 20.0	+1.5
BKNI							
SBUM	Sibu	102.59	52	PFAKE	LR	01 13 20.0	+6.7
SBUM							
CISI	Cisompet, Garu	110.50	60	PFAKE	LR	01 18 00.0	+1.1
CISI							
PPT2	Papeete2	122.08	303	eLR	LR	01 55 54.9	
PPT2							
PSAC1	Pilbara Seismi	127.54	53	PFAKE	LR	01 18 30.0	+8.1
PSAC1							
PSAB1	Pilbara Seismi	127.58	53	PFAKE	LR	01 18 30.0	+8.1
PSAB1							
PSAA2	Pilbara Seismi	127.58	53	PFAKE	LR	01 18 30.0	+8.1
PSAA2							
WR1	Warramunga Arr	130.07	35	ePKP	PKP	01 18 26.4	+0.2
WRA	Warramunga Arr	130.07	35	ePKP	PKP		

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PVRL, Vila Real, POLO, Lamaz de Olo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ISIG, baz=230, IGIL, Gilgahi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KEST, Kebab, AGG, Agios Georgios, etc.

ISCJB 02 01:13:19.9,0.5,66.49N,0.02:17.57W,0.05,h11km,3km, mb4.1/43, Error ellipse: s-maj=3.3km s-min=3.1km az=164.9

ISCJB 02 01:13:19.9,0.5,66.49N,0.02:17.57W,0.05,h11km,3km, mb4.1/43, Error ellipse: s-maj=3.3km s-min=3.1km az=164.9

TRN 02 01:21:11.7,15.63N-59.29W,h64km,MD3.5,1C, Leeward Islands. Code Station Name Az Phase ID Time Res ISC h m s ISC





Ms5.8/93, Ms7 5.7/86  
 ISCJB 02:02:08:46.1-0.6, 39:51N, 0:02:143:23E, 0:02, h17km, 4km, mbs.2/442, MS5.3/475, Error ellipse: s-maj=2.7km s-min=1.9km az=152.0  
 NEIC 02:02:08:47.8-0.5, 39:51N, 143:16E, h17km, 3km, mbs.2/298, MS5.2/295, MW5.5, MW5.5, Error ellipse: s-maj=3.7km s-min=2.2km az=148.0, Moment Tensor Solution. s83  
 Moment tensor: Scale 10<sup>17</sup>Nm; Mr:1.42; M<sub>bb</sub>-0.36; M<sub>ss</sub>-1.06; M<sub>tt</sub>0.90; M<sub>xy</sub>-0.67; M<sub>xz</sub>1.88; Best double couple: M<sub>o</sub>2.50000e+10<sup>17</sup>; NP1:36216.00000°; 318.00000°, 1.99.00000°; NP2:36277.00000°; 873.00000°; 1.87.00000°; Principal axes: T 2.5100; Plg28.0000°; Azm292.0000°; N 0.0400, Plg3.0000°; Azm27.0000°; P -2.5500, Plg28.0000°; Azm119.0000°;  
 NEIC Felt at Misawa. Recorded [3 JMA] in Iwate.  
 MOS 02:02:08:47.4-1.1, 39:63N, 143:15E, h25km, mbs.6/91, MS5.4/79 Error ellipse: s-maj=5.2km s-min=3.4km az=107.1  
 NEIC 02:02:08:48.0-0.0, 39:55N, 143:49E, h23km, Moment Tensor Solution. s29  
 Tensor solution: Scale 10<sup>17</sup>Nm; Mr:1.24; M<sub>bb</sub>-0.33; M<sub>ss</sub>-0.91; M<sub>tt</sub>0.50; M<sub>xy</sub>-0.20; M<sub>xz</sub>1.68; Best double couple: M<sub>o</sub>2.10000e+10<sup>17</sup>; NP1:3617.00000°, 374.00000°; NP2:36197.00000°; 316.00000°, 1.91.00000°; Principal axes: T 2.2100, Plg61.0000°; Azm286.0000°; N -0.2700, Plg0.0000°; Azm16.0000°; P -1.9400, Plg28.0000°; Azm106.0000°;  
 GCMT 02:02:08:48.8-0.1, 39:50N, 0:01:143:43E, 0:01, h21km, MW5.5/123, Moment Tensor Solution. s89, c158; s123, c251; Duration: 1s4 Moment tensor: Scale 10<sup>17</sup> Nm; Mr:1.18±0.03; M<sub>bb</sub>-0.04±0.02; M<sub>ss</sub>-1.14±0.02; M<sub>tt</sub>0.83±0.04; M<sub>xy</sub>-0.28±0.01; M<sub>xz</sub>1.78±0.07; Best double couple: M<sub>o</sub>2.29900e+10<sup>17</sup>; NP1:3623.00000°; 375.00000°, 1.95.00000°; NP2:36184.00000°; 316.00000°, 1.71.00000°; Principal axes: T 2.3040, Plg60.0000°; Azm301.0000°; N -0.0110, Plg5.0000°; Azm109.0000°; P -2.2930, Plg29.0000°; Azm109.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 02:02:08:48.2-0.4, 39:52N, 0:03:143:27E, 0:03, h25km, 2km, h24km; pP-P, N1469, 0:19:69/1378, mbs.2/446, MS5.2/480, 89C-42D, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
MIVJ	Miyakonagasawa	1.12	273	Op	02 09 08.6	-0.3
MIWJ				Sb	02 09 25.1	+2.1
JTH	Tanohata	1.16	291	P	02 09 09.1	+0.3
JTH				Sb	02 09 27.8	+3.7
OFUJ	Ofunato	1.32	251	P	02 09 11.2	+0.2
OFUJ				Sb	02 09 31.3	+2.7
JOJ	Ohasama	1.53	269	S	02 09 36.2	+1.5
JANG	Nango	1.59	303	P	02 09 14.6	-0.2
JANG				Sb	02 09 35.6	-1.0
JMK	Ichinoseki	1.69	251	P	02 09 16.7	+0.6
JMK				Sb	02 09 39.5	+0.2
JIO	Ouri	1.84	235	P	02 09 17.8	-0.3
JIO				Sb	02 09 42.2	-1.4
JRG	Rokugo	2.04	267	P	02 09 22.3	+1.2
JYK	Kaneyama	2.34	256	P	02 09 26.3	+1.2
ERM	Erimo	2.49	358	eP	02 09 26.4	-0.8
ERM				Sb	02 09 53.4	-3.4
ERM	Erimo	2.49	358	eP	02 09 26.3	-0.8
JOT	Ohata	2.51	318	P	02 09 27.6	+0.2
JOT				Sb	02 10 02.2	-0.8
JNBK	Urakawa-nobuka	2.78	325	P	02 09 31.0	-0.1
JNBK				Sb	02 10 04.8	+0.9
JKB	Kayaba	2.91	352	P	02 09 18.9	0.0
JKB				Sb	02 10 09.7	+2.7
JFT	Otama	3.05	230	P	02 09 35.0	+0.2
JFT				Sb	02 10 11.5	+1.0
JCH	Churui	3.09	1	P	02 09 34.4	-1.0
JCH				Sb	02 10 11.8	+0.3
ASAJ	Asahikawa	4.62	354	P	02 09 56.2	-0.2
ASAJ				Sb	02 10 53.1	+3.9
GRPR	Tuman	4.84	222	iP	02 09 56.7	-2.8
GRPR				Sb	02 10 46.5	-8.2
GRPR	comp=Z,802nm,0.4s					
GRPR	comp=N,568nm,0.6s					
GRPR	comp=E,171nm,0.4s					
GRPR	comp=E,10.0nm,0.4s					
GRPR	comp=N,2.0nm,0.2s					
GRPR	comp=Z,2μm,13.0s					
YUK	Yuzh-Kuril'sk	4.91	22d	iP	02 09 58.2	-2.1
YUK				Sb	02 10 50.9	-5.4
YUK	comp=Z,1μm,0.4s					
YUK	comp=N,476nm,0.5s					
YUK	comp=E,207nm,0.1s					
YUK	comp=N,3μm,0.5s					
YUK	comp=E,6μm,0.6s					
YUK	comp=E,9μm,0.7s					
MJAR	Matsushiro Arr	4.98	235	P	02 10 02.9	+1.5
MJAR				Sb	02 11 08.3	-5.7
MJAR	comp=N,0.5nm,0.3s,baz=91,slow=15,SNR=0.7					
MJAR	LR				02 11 52.8	
MAJO	Matsushiro	4.98	235	eP	02 10 03.1	+1.8
MAJO				Sb	02 10 58.6	+0.4
MAJO				eSg	02 11 08.3	-5.7
MAJO	Matsushiro	4.98	235	iP	02 10 03.2	+1.8
MAT	Matsushiro	4.98	235	P	02 10 03.2	+1.8
MAT				Sb	02 11 03.3	+5.1
MJB9	Matsu-Tunnel	4.98	235	eP	02 10 03.2	+1.7
MJB9				Sb	02 10 57.5	-0.7
INU	Inuyama	6.49	232	eP	02 10 23.0	+0.9
INU				Sb	02 11 33.3	-2.0
KUR	Kuril'sk	6.64	29c	iP	02 10 23.2	-1.0
KUR				Sb	02 11 34.7	-4.4
KUR	comp=N,179nm,0.6s					
KUR	comp=Z,299nm,0.6s					
KUR	comp=E,178nm,0.4s					
KUR	comp=E,1μm,0.5s					
KUR	comp=N,295nm,0.2s					
KUR	comp=Z,12μm,11.0s					
KUR	comp=N,12μm,10.0s					
KUR	comp=E,4μm,13.0s					
JHJ2	Mitsune	6.98	205	eP	02 10 28.5	-0.3
JHJ2				Sb	02 11 41.8	-5.6
JHJ	Hachijo jima 2	6.98	205	P	02 10 28.0	-0.8
JHJ				Sb	02 11 40.4	-7.0
JHJ	comp=E,134nm,0.3s,baz=49,slow=19,SNR=8.5					
JHJ	comp=E,8μm,20.7s,baz=55,slow=40				02 13 22.0	
TEY	Ternei	7.40	320d	eP	02 10 38.3	+3.8
TEY				Sb	02 11 59.7	+2.1
TEY	comp=N,220nm,0.7s					
TEY	comp=Z,330nm,0.7s					
TEY	comp=E,60nm,1.1s					
TEY	comp=N,90nm,0.9s					

TEY	comp=E,28μm,13.0s			MLR	MLR				
TEY	comp=N,16μm,18.0s			MLR	MLR				
TEY	comp=Z,37μm,14.0s			MLR	MLR				
YSS	Yuzh-Sakhalins	7.44	357	eP	02 10 35.7	+0.7			
YSS				Sb	02 11 55.2	-3.3			
YSS	Yuzh-Sakhalins	7.44	357d	eP	02 10 35.4	+0.3			
YSS				Sb	02 11 59.6	+1.0			
YSS	comp=N,80nm,0.8s								
YSS	comp=Z,90nm,0.8s								
YSS	comp=E,80nm,1.0s								
YSS	comp=Z,1μm,6.7s								
YSS	comp=N,900nm,7.6s								
YSS	comp=E,400nm,3.2s								
YSS	comp=N,2μm,8.1s								
YSS	comp=Z,3μm,8.1s								
YSS	comp=N,11μm,14.0s								
YSS	comp=Z,16μm,14.0s								
YSS	comp=E,23μm,13.0s								
VLA	Vladivostok	9.29	296c	iP	02 11 02.9	+2.5			
UGL	Uglegorsk	9.59	355	eP	02 11 04.3	-0.3			
UGL				Sb	02 12 51.8	+0.3			
UGL	comp=Z,1μm,7.7s								
UGL	comp=Z,137nm,0.9s								
UGL	comp=E,2μm,7.0s								
UGL	comp=Z,11μm,13.0s								
USRK	Ussuriysk Ar.	9.62	303	P	02 11 07.3	+2.3			
USRK				Sb	02 12 07.7	-0.9			
MSHR	Mys Shuitsa	9.64	292c	iP	02 11 05.5	+0.2			
TYV	Tymovskoe	11.35	358	eP	02 13 36.2	+1.7			
TYV				Sb	02 13 36.2	+1.7			
TYV	comp=Z,900nm,3.9s								
TYV	comp=Z,49nm,0.9s								
TYV	comp=N,1μm,6.6s								
TYV	comp=N,17μm,18.0s								
MDJ	Mudanjiang	11.36	301	P	02 11 31.4	+2.5			
MDJ				Sb	02 13 35.2	+0.2			
MDJ	comp=Z,50nm,1.0s								
MDJ	comp=Z,13μm,11.8s								
MDJ	comp=Z,40μm,15.9s								
MDJ	comp=Z,55μm,15.5s								
MDJ	Mudanjiang	11.36	301	eP	02 11 31.7	+2.9			
MDJ				Sb	02 13 33.8	-1.2			
JNU	Nakatsue	11.85	241	P	02 11 36.0	+0.3			
JNU				Sb	02 16 31.9				
JNU	comp=Z,1.8nm,0.3s,baz=64,slow=12,SNR=44								
JNU	comp=Z,26μm,19.4s,baz=52,slow=39								
JNU	Nakatsue	11.85	241	eP	02 11 35.8	+0.2			
JNU				Sb	02 13 47.4	+0.3			
JNU	Korea Array	12.20	265	P	02 11 42.3	+2.0			
JNU				Sb	02 14 02.7	+7.2			
KSRs	KSRs	12.22	265	eP	02 16 08.2				
KSRs	comp=Z,0.7nm,0.3s,baz=71,slow=23,SNR=3.8								
KSRs	comp=Z,17μm,18.7s,baz=78,slow=36								
KS01	Wonju Array Si	12.22	265	eP	02 11 42.1	+1.5			
GRNR	Gornyy	12.23	339	eP	02 11 41.0	+0.3			
GRNR				Sb	02 11 41.0	+0.3			
KS15	Wonju Array Si	12.23	265	eP	02 11 44.6	+3.8			
KS15				Sb	02 14 02.7	+6.4			
KLR	Kul'dur	12.71	324	P	02 11 47.6	+0.3			
KLR				Sb	02 16 54.6				
KLR	comp=Z,18μm,19.7s,baz=133,slow=38								
KLR	Kul'dur	12.71	324c	iP	02 11 46.9	-0.4			
TJN	Taejon	12.94	261d	iP	02 11 51.4	+1.0			
NKL	Nikolayevsk	13.75	353	eP	02 12 00.5	-0.8			
NKL				Sb	02 14 34.5	+1.4			
NKL	comp=N,43nm,1.0s								
NKL	comp=E,50nm,1.0s								
NKL	comp=Z,130nm,1.0s								
NKL	comp=N,1μm,8.0s								
NKL	comp=Z,2μm,8.0s								
NKL	comp=E,2μm,10.0s								
NKL	comp=N,6μm,16.0s								
CN2	Changchun	13.99	294	eP	02 12 05.3	+0.6			
CN2				Sb	02 12 13.7	+1.3			
CN2				Sb	02 14 40.2	+1.1			
CN2	comp=Z,40nm,0.9s								
CN2	comp=Z,800nm,7.0s								
CN2	comp=Z,9μm,15.0s								
CN2	comp=Z,20μm,15.0s								
CN2	comp=Z,22μm,17.0s								
OKH	Okha	14.03	359d	iP	02 12 06.9	+1.6			
OKH				Sb	02 14 43.7	+3.6			
OKH	comp=Z,400nm,14.1s								
OKH	comp=E,900nm,13.6s								
OKH	comp=N,600nm,8.1s								
OKH	comp=Z,18μm,16.0s								
SKR	Severo-Kuril's	14.36	35	iP	02 12 11.5	+1.8			
SKR	Shenyang	15.12	285	iP	02 12 19.3	-0.7			
SNY				LR					
SNY	comp=Z,9μm,13.9s								
SNY	comp=Z,26μm,16.4s								
SNY	comp=Z,38μm,16.4s								
DL2	Dalian	16.78	275	iP	02 12 40.9	-0.5			
DL2				Sb	02 15 48.9	+2.3			
DL2				Sb	02 12 54.1	+1.0			



SHL	comp=Z,32nm,0.8s	LR	LR						
SHL	comp=Z,5um,18.0s								
SHL	Shilong	44.92 268	eP	P	max	max	02 17 01.5	+0.2	
SHL	comp=Z,32nm,0.8s								
SHL	comp=Z,5um,18.0s								
SHL	Shilong	44.92 268	eP	P	IAMB	IAMB	02 17 00.7	-0.6	
SHL	comp=Z,41nm,1.2s						02 17 03.6		
MLY	Manley	44.97 33	eP	P			02 17 02.0	+1.0	
MLY	comp=Z,1um,19.0s								
SUA	Susitna One	45.00 38	eP	P			02 17 01.3	-0.1	
BRLK	Bradley Lake	45.02 41	eP	P			02 17 03.1	+1.7	
UTHA	Uthaitani	45.02 251	P	P			02 17 03.2	+1.3	
UMPA	Umpang Tak	45.03 252	P	P			02 17 04.4	+2.4	
TRF	Thorafore Moun	45.16 36	eP	P			02 17 03.8	+1.1	
TRF	comp=Z,1um,18.0s								
COLD	Coldfoot	45.27 30	eP	P			02 17 07.8	+4.5	
RC01	Rabbit Creek A	45.51 39	eP	P			02 17 05.5	+0.3	
RC01	comp=Z,31nm,1.1s								
BWN	Browne	45.52 34	eP	P			02 17 07.4	+2.1	
BWN	comp=Z,94nm,1.1s								
BNDI	Bandanaira	45.53 199	P	P			02 17 12.8	+7.0	
KURK	Kurchatov	45.59 306	eP	P			02 17 06.5	+0.5	
KURK	comp=Z,3um,18.0s								
KURK	Kurchatov	45.59 306c	iP	P	max	max	02 17 06.2	+0.2	
KURK	comp=Z,107nm,1.0s								
KURK	Kurchatov	45.59 306	P	P			02 17 06.5	+0.5	
KURK	SNR=67								
KURBB	Kurchatov Arra	45.66 306	P	P			02 17 07.0	+0.4	
SEW	Seward	45.72 40	eP	P			02 17 07.1	+0.2	
SEW	comp=Z,29nm,1.2s								
SEW	comp=Z,2um,18.0s								
PATY	Pattaya	45.75 247	P	P			02 17 20.2	+1.2	
MCK	McKinley	45.76 35	eP	P			02 17 08.0	+0.8	
MCK	comp=Z,17nm,1.0s								
PMR	Palmer	45.77 38	eP	P			02 17 07.5	+0.2	
PMR	comp=Z,20nm,1.0s								
PMR	Palmer	45.77 38	eP	P	max	max	02 17 07.5	+0.2	
PMR	comp=Z,20nm,1.0s								
RND	Reindeer	45.81 36	eP	P			02 17 08.0	+0.3	
RND	comp=Z,24nm,1.1s								
RND	Reindeer	45.81 36	eP	P	max	max	02 17 08.0	+0.3	
RND	comp=Z,24nm,1.1s								
GHO	Glory Hole Cre	45.85 38	eP	P			02 17 07.5	-0.5	
MDM	Murphy Dome	46.04 33	eP	P			02 17 10.6	+1.2	
SRDT	SRDT	46.05 250	P	P			02 17 13.0	+2.9	
KNK	Knik Glacier	46.10 38	eP	P			02 17 10.8	+0.9	
WRH	Wood River Hill	46.11 34	eP	P			02 17 10.6	+0.6	
WRH	comp=Z,1um,18.0s								
SML	Sawmill	46.13 38	eP	P			02 17 10.8	+0.6	
SML	comp=Z,1um,20.0s								
SML	Sawmill	46.13 38	eP	P	max	max	02 17 10.8	+0.6	
SML	comp=Z,42nm,1.0s								
TCOL	CIGO, UAF Yank	46.20 33	P	P			02 17 11.5	+0.9	
COLA	College	46.20 33	PFAKE	LR			02 17 20.0	+9.4	
COLA	comp=Z,900nm,20.0s								
COLA	College	46.20 33c	iP	P	max	max	02 17 11.2	+0.6	
COLA	comp=Z,5.0nm,0.8s								
CCB	Clear Creek Bu	46.23 34	eP	P			02 17 10.4	-0.4	
CCB	comp=Z,17nm,1.2s								
POKR	Poker Flat Res	46.37 33	P	P			02 17 12.5	+0.5	
SBUM	Sibu	46.45 225	eP	P			02 17 13.7	+0.5	
SBUM	comp=Z,8.7nm,1.1s								
SBUM	Sibu	46.45 225	P	P			02 17 14.0	+0.8	
DHY	Denali Highway	46.49 36	eP	P			02 17 13.9	+0.8	
DHY	comp=Z,13nm,0.8s								
SCM	Sheep Creek Mo	46.60 38	eP	P			02 17 15.1	+1.1	
SCM	comp=Z,43nm,1.2s								
SCM	Sheep Creek Mo	46.60 38	eP	P	max	max	02 17 15.1	+1.1	
SCM	comp=Z,43nm,1.2s								
HDA	Harding Lake	46.61 34	eP	P			02 17 14.0	+0.2	
HDA	comp=Z,1um,20.0s								
HDA	Harding Lake	46.61 34	P	P			02 17 13.6	-0.2	
IL1	Eielson Array	46.62 34	eP	P			02 17 13.6	-0.3	
ILAR	Eielson Array	46.62 34	P	P			02 17 13.7	-0.2	
ILAR	comp=Z,9.3nm,0.8s,baz=284,slow=6.5,SNR=105						02 39 45.0		
ILB	Eielson Array	46.62 34	eP	P			02 17 14.1	+0.2	
TARA	Tarawa	46.62 137	PFAKE	LR			02 17 30.0	+1.6	
PHET	Kaeng Krachan	46.64 248	P	P			02 17 16.2	+1.5	
BRDH	Bariadhala	46.65 265	P	P			02 17 15.5	+0.8	
BRDH	comp=Z,32nm,0.3s,baz=67,slow=12,SNR=9.8						02 38 02.9		
SHLS	Shalkode	47.01 296	eS	P	max	max	02 17 14.2	-3.3	
SHLS	comp=Z,3um,18.1s,baz=135,slow=36						02 24 04.8	-2.9	
SHLS	comp=Z,405nm,1.3s								
SHLS	comp=E,300nm,5.5s								
SHLS	comp=Z,6um,16.0s								
SHLS	Shalkode	47.01 296	eS	P			02 17 14.2	-3.3	
SHLS	comp=Z,405nm,1.3s						02 24 04.9	-2.9	
SHLS	comp=Z,300nm,5.5s						02 37 16.9		
PRP	Porcupine Dome	47.16 33	eP	P			02 17 19.5	+1.2	
PRP	comp=Z,11nm,0.8s								

TDK	comp=Z,2um,18.0s						47.17 299	eP	P	S	02 17 17.9	-0.6
TDK	Taldyqorghan										02 24 09.8	+0.1
TDK	comp=Z,2um,1.2s											
TDK	Taldyqorghan						47.17 299	eP	P	MLR	02 17 18.0	-0.6
TDK	comp=Z,12um,17.8s											
TDK	Taldyqorghan										02 24 09.8	+0.1
TDK	comp=Z,2um,1.2s										02 37 05.8	
FYU	Fort Yukon	47.23 31	eP	P			47.23 31	eP	P		02 17 20.7	+2.0
TAPN	Taplejung	47.25 273	eP	P			47.25 273	eP	P		02 17 20.7	+0.9
KLU	Klutina	47.30 38	eP	P			47.30 38	eP	P		02 17 20.2	+0.7
KLU	comp=Z,32nm,1.0s											
UZB	Uzbybulak	47.32 296d	iP	P			47.32 296d	iP	P		02 17 18.0	-1.9
UZB	comp=Z,1um,21.0s										02 24 12.9	+0.8
UZB	comp=Z,363nm,1.4s											
UZB	comp=E,333nm,4.1s											
UZB	comp=Z,4um,17.0s											
UZB	Uzbybulak	47.32 296	iP	P			47.32 296	iP	P		02 17 18.1	-1.9
UZB	comp=Z,363nm,1.4s										02 24 12.9	+0.8
UZB	comp=Z,334nm,4.1s											
PAX	Paxson	47.37 36	PFAKE	LR			47.37 36	PFAKE	LR		02 17 30.0	+1.0
PAX	comp=Z,2um,20.0s											
DIV	Divide	47.42 39	eP	P			47.42 39	eP	P		02 17 21.9	+1.5
KPKS	Kokpek	47.45 297	eP	P	max	max	47.45 297	eP	P		02 17 19.4	-1.5
KPKS	comp=Z,724nm,1.3s											
KPKS	Kokpek	47.45 297	eP	P			47.45 297	eP	P		02 17 19.4	-1.5
KPKS	comp=Z,9um,18.0s											
KPKS	Kokpek	47.45 297	eP	P			47.45 297	eP	P		02 17 19.4	-1.5
KPKS	comp=Z,724nm,1.3s											
EYAK	Cordova Ski Ar	47.50 39	eP	P			47.50 39	eP	P		02 17 22.4	+1.6
EYAK	comp=Z,50nm,1.2s											
HARP	HAARP	47.57 37	eP	P			47.57 37	eP	P		02 17 23.2	+1.8
HARP	comp=Z,46nm,1.2s											
RIDG	Independ' Rid	47.58 35	eP	P			47.58 35	eP	P		02 17 21.6	+0.1
RIDG	comp=Z,10nm,0.9s											
ZHN	Zhinishe	47.72 296d	iP	P	max	max	47.72 296d	iP	P		02 17 21.7	-1.3
ZHN	comp=Z,317nm,1.3s											
ZHN	Zhinishe	47.72 296	iP	P			47.72 296	iP	P		02 17 21.8	-1.3
ZHN	comp=Z,317nm,1.3s											
ZHN	comp=Z,4um,16.8s										02 37 46.4	
ODAN	Odare	47.74 272	eP	P			47.74 272	eP	P		02 17 24.2	+0.7
SATY	Saty	47.78 296	eP	P	max	max	47.78 296	eP	P		02 17 22.3	-1.1
SATY	comp=Z,453nm,1.4s										02 24 20.7	+2.2
SATY	Saty	47.78 296	eP	P			47.78 296	eP	P		02 17 22.3	-1.1
SATY	comp=Z,5um,17.0s											
SATY	Saty	47.78 296	eP	P			47.78 296	eP	P		02 17 22.8	+2.2
SATY	comp=Z,453nm,1.4s										02 37 59.7	
DOT	Dot Lake	47.93 35	eP	P			47.93 35	eP	P		02 17 24.5	+0.3
DOT	comp=Z,7.1nm,0.7s											
SCRK	Sand Creek	47.93 35	eP	P			47.93 35	eP	P		02 17 24.7	+0.3
SCRK	comp=Z,1um,19.0s											
SCRK	Sand Creek	47.93 35	eP	P			47.93 35	eP	P		02 17 24.7	+0.3
SCRK	comp=Z,15nm,0.9s											
MENT	Mentasta	48.16 36	eP	P			48.16 36	eP	P		02 17 27.3	+1.3
MENT	comp=Z,35nm,1.2s											
HMT	Hamilton	48.26 39	eP	P			48.26 39	eP	P		02 17 28.5	+1.7
HMT	comp=Z,1um,19.0s											
JIRN	Jiri	48.27 274	eP	P			48.27 274	eP	P		02 17 28.6	+0.8
JIRN	comp=Z,308nm,0.9s											
RAMN	Ramitch	48.31 273	eP	P			48.31 273	eP	P		02 17 28.6	+0.7
RAMN	comp=Z,444nm,1.1s											
KSM	Kuching	48.32 227	eP	P			48.32 227	eP	P		02 17 28.7	+0.9
KSM	comp=Z,59nm,1.2s											
KSM	Kuching	48.32 227	P	P			48.32 227	P	P		02 17 29.0	+1.3
KSM	Gumba	48.39 274	eP									

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Table with columns: JBG, 2h, 53.41 298, eP, P, 02 18 04.6 -1.4, 02 25 39.5 +2.7, PRGR, comp=Z,62nm,1.0s, pmax, pmax, FITZ, Fitzroy Crossi, 59.64 199, eP, P, 02 18 50.4 +0.2, etc.

Table with columns: WRAB, WRAB, 59.73 190, iP, P, 02 18 49.4 -1.4, WRAB, WRAB, 59.73 190, iP, P, 02 18 49.4 -1.4, etc.

Table with columns: MOS, MOS, 66.15 51, P, P, 02 19 34.8 +1.4, MOS, MOS, 66.15 53, P, P, 02 19 34.3 +0.9, etc.









GUR SENIN	Goura	85.77	317	P	P	02 21 22.1	-3.4
SENIN	Lac Senin/Sane	85.86	331	eP	P	02 21 26.6	+0.7
KHZ	Kahutara	86.06	158	PFAKE	LR	02 21 40.0	+1.4
EVGI N41A	Lefkada Island	86.13	319	P	P	02 21 26.9	-0.2
N41A	Harden Midland	86.15	38	PFAKE	LR	02 21 40.0	+1.3
E51A	G1948 Merrick	86.19	28	P	P	02 21 27.1	-0.2
CLF	Chambon-Foret	86.20	335	PFAKE	LR	02 21 40.0	+1.3
VLC	Villacollemand	86.49	328	PFAKE	LR	02 21 40.0	+1.1
WMOK	Wichita Mounta	86.50	47	PFAKE	LR	02 21 40.0	+1.1
ITM	Ithoms	86.55	317	eP	P	02 21 29.5	+0.2
AQU	L'Aquila	86.68	325	PFAKE	LR	02 21 40.0	+1.0
AQU	L'Aquila	86.68	325	eP	P	02 21 29.9	+0.1
J47A	Summer	86.84	33	P	P	02 21 30.9	+0.3
P41A	Barry, Barry	86.85	39	P	P	02 21 30.8	+0.2
M44A	Midewin, Midew	86.92	36	PFAKE	LR	02 21 40.0	+9.0
HDIL	Hopedale	87.00	37	PFAKE	LR	02 21 40.0	+8.6
HDIL	Hopedale	87.00	37	P	P	02 21 30.7	-0.7
E54A	Lac Duplat, Po	87.09	27	P	P	02 21 31.6	-0.1
BNI	Bardonecchia	87.20	331	PFAKE	LR	02 21 40.0	+7.6
P42A	Winchester	87.27	39	eP	P	02 21 34.6	+1.9
P42A	Winchester	87.27	39	P	P	02 21 32.2	-0.4
TUL1	Leonard	87.29	44	PFAKE	LR	02 21 50.0	+1.7
Q41A	Truxton	87.33	39	P	P	02 21 32.7	-0.3
TX31	Lajitas Ar. Si	87.46	54	eP	P	02 21 34.1	+0.2
LTX	Lajitas	87.46	54	eP	P	02 21 33.5	-0.4
LTX	Lajitas	87.46	54	eP	P	02 21 33.5	-0.4
TXAR	Lajitas Array	87.46	54	P	P	02 25 03.7	+5.6
TXAR	Lajitas	87.46	54	eP	P	02 25 23.7	
DAMY	Dhamar	87.54	287	eP	P	02 21 36.4	+1.6
DAMY	Dhamar	87.54	287	eP	P	02 21 36.4	+1.6
TIP	Timpagrande	87.64	321	PFAKE	LR	02 21 50.0	+1.5
M46A	Old House Fiel	87.67	35	PFAKE	LR	02 21 50.0	+1.5
Q42A	Golden Eagle	87.70	39	P	P	02 21 34.7	-0.1
R41A	Rosebud	87.76	40	P	P	02 21 35.3	+0.3
SSB	Saint Sauveur	87.80	332	PFAKE	LR	02 21 50.0	+1.5
SADO	Sadowa	87.82	29	PFAKE	LR	02 21 50.0	+1.5
HPIG	Hopewell	87.86	56	eP	P	02 21 39.0	+3.0
HHAR	Hobbs	88.00	43	PFAKE	LR	02 21 50.0	+1.4
CCM	Cathedral Cave	88.02	40	eP	P	02 21 36.4	+0.1
CCM	Cathedral Cave	88.02	40	eP	P	02 21 36.4	+0.1
CCM	Cathedral Cave	88.02	40	eP	P	02 21 36.1	-0.2
CCM	Cathedral Cave	88.06	40	P	P	02 21 36.3	-0.2
AAM	Ann Arbor	88.10	33	PFAKE	LR	02 21 50.0	+1.3
S41A	Jillico Farms	88.13	41	P	P	02 21 37.0	+0.1
SFIN	Lafayette	88.16	36	PFAKE	LR	02 21 50.0	+1.3
P44A	Sand Creek, Wi	88.18	38	P	P	02 21 37.2	+0.1
L49A	Milan	88.21	33	P	P	02 21 37.7	+0.6
PLVO	Plevna	88.34	27	PFAKE	LR	02 21 50.0	+1.2
N47A	Urbana	88.39	35	P	P	02 21 38.3	+0.3
Q44A	Meyer Farm, Va	88.44	38	PFAKE	LR	02 21 50.0	+1.2
Q44A	Meyer Farm, Va	88.44	38	P	P	02 21 38.3	0.0
I53A	Kortright Cn E	88.45	30	P	P	02 21 38.7	+0.4
S42A	Caledonia	88.46	40	P	P	02 21 38.3	-0.1
FVM	French Village	88.48	40	eP	P	02 21 42.6	+4.1
FVM	French Village	88.48	40	eP	P	02 21 42.6	+4.1
FVM	French Village	88.48	40	eP	P	02 21 42.6	+4.1
U40A	Yelville	88.51	42	P	P	02 21 38.5	-0.2
P45A	Graceland, Par	88.54	37	PFAKE	LR	02 21 50.0	+1.1
P45A	Graceland, Par	88.54	37	P	P	02 21 38.7	-0.1
ALFO	Alfred	88.58	26	P	P	02 21 38.7	0.0
DELO	Deloro Mine	88.59	28	P	P	02 21 38.5	-0.4
O47A	Sheridan	88.69	36	P	P	02 21 39.4	0.0
N48A	Decatur	88.70	34	P	P	02 21 39.1	-0.4
P46A	Rosedale	88.72	37	P	P	02 21 40.0	+0.5
CEL	Celeste	88.78	321	PFAKE	LR	02 21 50.0	+1.0
Q45A	Warren Harvey	88.85	38	P	P	02 21 40.7	+0.5
W39A	Magazine	88.90	43	PFAKE	LR	02 21 50.0	+9.5

W39A	Magazine	88.90	43	P	P	02 21 42.0	+1.5
S43A	Fulton Ridge	88.97	40	P	P	02 21 40.3	-0.5
U41A	Viola	89.00	42	P	P	02 21 40.7	-0.3
JCT	Junction City	89.00	50	PFAKE	LR	02 21 50.0	+8.9
OLIL	Olney	89.01	38	PFAKE	LR	02 21 50.0	+9.0
N49A	Columbus Grove	89.01	34	PFAKE	LR	02 21 50.0	+9.1
N49A	Columbus Grove	89.01	34	P	P	02 21 39.4	-1.5
O48A	Farmland	89.13	35	P	P	02 21 41.4	-0.1
STCO	Saint Catharin	89.14	30	P	P	02 21 41.4	0.0
T43A	Greenville	89.25	40	P	P	02 21 41.9	-0.2
WHTX	Lake Whitney	89.27	48	PFAKE	LR	02 21 50.0	+7.7
WHTX	Lake Whitney	89.27	48	P	P	02 21 42.4	+0.1
SIUC	Southern Iliin	89.28	39	PFAKE	LR	02 21 50.0	+7.8
BLO	Bloomington	89.39	36	PFAKE	LR	02 22 00.0	+1.7
PBMO	Poplar Bluff	89.42	40	eP	P	02 21 43.2	+0.3
MIAR	Mount Ida	89.51	44	eP	P	02 21 44.6	+1.2
MIAR	Mount Ida	89.51	44	eP	P	02 21 44.6	+1.2
MIAR	Mount Ida	89.51	44	eP	P	02 21 43.2	-0.2
M51A	Lylria	89.52	32	P	P	02 21 42.9	-0.4
O49A	Covington	89.53	34	PFAKE	LR	02 22 00.0	+1.7
O49A	Covington	89.53	34	P	P	02 21 42.9	-0.6
LONY	Lake Ozonia	89.57	26	PFAKE	LR	02 22 00.0	+1.7
WHAR	Woolly Hollow	89.62	42	eP	P	02 21 45.9	+2.1
Q47A	Bedord North L	89.63	36	P	P	02 21 44.0	+0.1
P48A	Milroy	89.66	36	P	P	02 21 43.8	-0.3
FRNY	Flat Rock	89.71	25	PFAKE	LR	02 22 00.0	+1.6
DRNL	Deer Lake	89.71	13	PFAKE	LR	02 22 00.0	+1.6
W41B	Gary Mavity, V	89.73	42	PFAKE	LR	02 22 00.0	+1.6
W41B	Gary Mavity, V	89.73	42	P	P	02 21 43.7	-0.7
PQI	Presque Isle	89.75	21	PFAKE	LR	02 22 00.0	+1.6
ERPA	Erie	89.75	31	PFAKE	LR	02 22 00.0	+1.6
L53A	Girard	89.78	31	P	P	02 21 44.0	-0.5
USIN	University of	89.83	38	PFAKE	LR	02 22 00.0	+1.5
PARMO	Parma	89.84	40	PFAKE	LR	02 22 00.0	+1.5
O50A	Cable	89.89	34	P	P	02 21 45.0	-0.1
P49A	Miami Univ. Ec	89.92	35	P	P	02 21 44.7	-0.5
X40A	Basin Creek Fa	89.95	43	PFAKE	LR	02 22 00.0	+1.5
Q48A	North Vernon	89.95	36	P	P	02 21 45.4	0.0
K55A	Perry	89.97	29	P	P	02 21 45.3	-0.1
UALR	University of	89.99	43	PFAKE	LR	02 22 00.0	+1.4
MMNY	Mt. Morris Dam	90.03	29	PFAKE	LR	02 22 00.0	+1.4
PVMO	Portageville	90.07	40	PFAKE	LR	02 22 00.0	+1.4
435B	Jarrell	90.08	49	PFAKE	LR	02 22 00.0	+1.4
R47A	Wooly Knot Far	90.10	37	P	P	02 21 45.6	-0.5
ACSO	Alum Creek Sta	90.10	34	PFAKE	LR	02 22 00.0	+1.4
ACSO	Alum Creek Sta	90.10	34	P	P	02 21 46.4	+0.4
T45A	Paducah	90.11	39	PFAKE	LR	02 22 00.0	+1.4
HBAR	Harrisburg	90.25	41	PFAKE	LR	02 22 00.0	+1.3
GNAR	Gosnell	90.26	41	PFAKE	LR	02 22 00.0	+1.3
P50A	Jamesstown	90.26	34	P	P	02 21 46.6	-0.2
WCI	Wyandotte Cave	90.26	37	PFAKE	LR	02 22 00.0	+1.3
WCI	Wyandotte Cave	90.26	37	P	P	02 21 45.9	-0.9
NCB	Newcomb	90.26	26	PFAKE	LR	02 22 00.0	+1.3
Q49A	Aurora	90.27	35	P	P	02 21 48.1	+1.3
GLAT	Glass	90.39	40	PFAKE	LR	02 22 00.0	+1.3
M54A	Oil Creek Stat	90.39	31	PFAKE	LR	02 22 00.0	+1.3
WLAR	White Oak Lake	90.41	44	eP	P	02 21 48.6	+1.0
VT1	Waterbury	90.43	25	PFAKE	LR	02 22 00.0	+1.2
T46A	Princeton	90.45	39	P	P	02 21 48.1	+0.4
CLTB	Cattabellotta	90.60	323	PFAKE	LR	02 22 00.0	+1.1
HALT	Halls	90.64	40	PFAKE	LR	02 22 00.0	+1.1
ATD	Arta Tunnel	90.64	285	eP	P	02 21 50.8	+1.8

ATD	Arta Tunnel	90.64	285	eP	P	02 21 50.8	+1.8
PKME	Peaks-Kenny Pk	90.67	22	PFAKE	LR	02 22 00.0	+1.1
O52A	Adamsville	90.68	33	PFAKE	LR	02 22 00.0	+1.1
P51A	Williamsport	90.69	34	PFAKE	LR	02 22 00.0	+1.1
N54A	Moraine State	90.73	31	PFAKE	LR	02 22 00.0	+1.1
833A	Chapparral WMA	90.80	52	PFAKE	LR	02 22 00.0	+1.0
S48A	Wiedeman Farm	90.83	37	P	P	02 21 48.6	-0.9
T47A	Sharon Grove	90.88	38	PFAKE	LR	02 22 00.0	+1.0
T47A	Sharon Grove	90.88	38	P	P	02 21 50.1	+0.4
Z41A	Richland Creek	90.90	44	PFAKE	LR	02 22 00.0	+1.0
Q51A	Peebles	90.94	34	PFAKE	LR	02 22 00.0	+1.0
Q51A	Peebles	90.94	34	P	P	02 21 49.4	-0.5
Q51A	Memphis-Engin	90.96	41	PFAKE	LR	02 22 00.0	+1.0
NATX	Nacogdoches	91.02	46	PFAKE	LR	02 22 00.0	+1.0
S49A	Springfield	91.08	36	P	P	02 21 51.0	+0.4
R50A	Paris	91.11	36	P	P	02 21 50.7	-0.1
WVL	Waterville	91.19	23	PFAKE	LR	02 22 00.0	+9.0
BINY	Binghamton	91.19	28	PFAKE	LR	02 22 00.0	+8.9
BINY	Binghamton	91.19	28	P	P	02 21 51.4	+0.3
WVT	Waverly	91.21	39	PFAKE	LR	02 22 00.0	+8.7
WVT	Waverly	91.21	39	P	P	02 21 53.5	+2.2
U47A	Clarksville	91.23	39	P	P	02 21 53.1	+1.7
O54A	Avella	91.23	32	P	P	02 21 52.1	+0.8
MSEY	Mahe Island	91.23	265	PFAKE	LR	02 22 00.0	+8.3
V46A	Holladay	91.33	39	P	P	02 21 51.8	0.0
LMN	Caledonia Moun	91.36	19	PFAKE	LR	02 22 00.0	+8.2
WDD	Wied Dalam	91.37	321	PFAKE	LR	02 22 00.0	+8.0
P53A	Whipple	91.39	33	PFAKE	LR	02 22 00.0	+7.9
R51A	Hillsboro	91.43	35	P	P	02 21 53.1	+0.8
T49A	Edmonton	91.52	37	PFAKE	LR	02 22 00.0	+7.3
T49A	Edmonton	91.52	37	P	P	02 21 53.5	+0.8
TRY	Tryon	91.55	26	PFAKE	LR	02 22 00.0	+7.3
S50A	Richmond	91.58	36	P	P	02 21 52.9	-0.1
V47A	Nunnely	91.60	39	P	P	02 21 53.1	0.0
EMMW	East Machias	91.70	21	PFAKE	LR	02 22 10.0	+1.7
OXF	Oxford	91.71	41	PFAKE	LR	02 22 10.0	+1.6
HKT	Hockley	91.71	48	PFAKE	LR	02 22 10.0	+1.6
SSPA	Standing Stone	91.83	30	PFAKE	LR	02 22 10.0	+1.6
KSPA	Keystone Colle	91.83	28	PFAKE	LR	02 22 10.0	+1.6
O56A	Blue Knob Stat	91.88	31	PFAKE	LR	02 22 10.0	+1.6
O56A							

V51A	comp=Z,900nm,20.0s	LR	LR		
W50A	Signal Mountain	93.17	38	PFAKE	LR
W50A	comp=Z,900nm,18.0s				
W50A	Signal Mountain	93.17	38	P	02 21 59.0 -1.5
SDMD	Soldier's Deli	93.30	30	PFAKE	LR
SDMD	comp=Z,600nm,19.0s				
CPCT	Cooper Cave	93.34	37	PFAKE	LR
CPCT	comp=Z,700nm,19.0s				
V52A	Sevierville	93.45	36	PFAKE	LR
V52A	comp=Z,800nm,19.0s				
TKL	Tuckaleechee C	93.52	37	PFAKE	LR
TKL	comp=Z,1µm,20.0s				
BLA	Blacksburg	93.72	34	PFAKE	LR
BLA	comp=Z,1µm,20.0s				
Y49A	Blount Mountain	93.73	39	PFAKE	LR
Y49A	comp=Z,700nm,20.0s				
147A	Livingston	93.74	41	PFAKE	LR
147A	comp=Z,800nm,19.0s				
KEST	Kesra	93.90	324	P	02 22 02.6 -1.2
KEST	comp=Z,6.3nm,1.0s,baz=37,slow=5.1,SNR=3.5				
KEST	comp=Z,2µm,18.6s,baz=342,slow=39				
KEST	Kesra	93.90	324	eP	03 09 17.6
KEST	comp=Z,5.7nm,0.9s				
X51A	Calhoun	93.91	38	PFAKE	LR
X51A	comp=Z,700nm,18.0s				
W52A	Murphy	93.91	37	PFAKE	LR
W52A	comp=Z,800nm,20.0s				
V53A	Saluda	93.95	36	PFAKE	LR
V53A	comp=Z,900nm,21.0s				
LRAL	Lakeview Retre	94.10	40	PFAKE	LR
LRAL	comp=Z,700nm,20.0s				
CBN	Corbin Frederi	94.13	31	PFAKE	LR
CBN	comp=Z,1µm,20.0s				
R58B	Mineral	94.13	31	PFAKE	LR
R58B	comp=Z,900nm,20.0s				
W53A	Cullowhee	94.20	37	P	02 22 04.1 -1.2
W53A	baz=326				
Y51A	Rockmart	94.35	39	P	02 22 04.8 -1.0
Y51A	baz=325				
Z50A	Ashland	94.45	40	PFAKE	LR
Z50A	comp=Z,700nm,19.0s				
Z50A	Ashland	94.45	40	P	02 22 06.6 +0.3
Z50A	baz=324				
BG3	Lake Jocassee	94.46	36	PFAKE	LR
BG3	comp=Z,1µm,20.0s				
X53A	Estanollee	94.69	37	P	02 22 05.9 -1.5
X53A	baz=326				
Y52A	Liburn	94.86	38	PFAKE	LR
Y52A	comp=Z,700nm,20.0s				
KMSC	Kings Mountain	95.06	35	PFAKE	LR
KMSC	comp=Z,800nm,18.0s				
250A	Grady	95.31	40	PFAKE	LR
250A	comp=Z,700nm,21.0s				
HODGE	Hodges	95.40	36	PFAKE	LR
HODGE	comp=Z,700nm,19.0s				
FURI	Furi	95.46	286	PFAKE	LR
FURI	comp=Z,1µm,18.0s				
Y54A	Tignal	95.50	37	P	02 22 10.9 -0.1
Y54A	baz=326				
GOGA	Godfrey	95.51	38	PFAKE	LR
GOGA	comp=Z,700nm,19.0s				
152A	Waverly Hall	95.52	39	PFAKE	LR
152A	comp=Z,700nm,18.0s				
ES06	SONSECA Array	95.67	335	eP	02 22 12.0 +0.2
ESDC	Sonsec Array	95.68	335	P	02 22 10.5 -1.3
ESDC	comp=Z,0.3nm,0.4s,baz=17,slow=5.7,SNR=6.5				
ESDC	comp=Z,2.8nm,1.0s,baz=27,slow=7.1,SNR=5.4				
ESDC	comp=Z,2µm,18.5s,baz=25,slow=39				
ESLA	Sonsec Array	95.68	335	PFAKE	LR
ESLA	comp=Z,3µm,18.0s				
JSC	Jenkinsville	95.81	36	PFAKE	LR
JSC	comp=Z,1µm,18.0s				
PAB	San Pablo	95.92	335	PFAKE	LR
PAB	comp=Z,3µm,18.0s				
253A	Americus	96.30	39	PFAKE	LR
253A	comp=Z,800nm,18.0s				
154A	Montrose	96.34	38	PFAKE	LR
154A	comp=Z,700nm,20.0s				
CART	Cartagena	96.53	332	PFAKE	LR
CART	comp=Z,1µm,19.0s				
255A	Hazlehurst	97.20	38	PFAKE	LR
255A	comp=Z,700nm,19.0s				
NHSC	New Hope	97.28	36	PFAKE	LR
NHSC	comp=Z,1µm,20.0s				
UNM	Universidad Na	97.43	58	PFAKE	LR
UNM	comp=Z,700nm,21.0s				
PESTR	Estremoz	97.54	337	PFAKE	LR
PESTR	comp=Z,1µm,20.0s				
257A	Skidaway Islan	97.84	37	PFAKE	LR
257A	comp=Z,1µm,18.0s				
456A	Hilliard	98.42	38	PFAKE	LR
456A	comp=Z,900nm,18.0s				
LVIG	Laguna Verde	98.93	55	PFAKE	LR
LVIG	comp=Z,600nm,19.0s				
TLIG	Tipapa	99.10	58	PFAKE	LR
TLIG	comp=Z,700nm,19.0s				
656A	Willston	99.29	39	PFAKE	LR
656A	comp=Z,700nm,19.0s				
SFS	San Fernando	99.32	335	PFAKE	LR
SFS	comp=Z,4µm,18.0s				
PFVI	Vila Bisbo	99.51	338	PFAKE	LR
PFVI	comp=Z,2µm,20.0s				
658A	Bunnell	99.86	38	PFAKE	LR
658A	comp=Z,900nm,18.0s				
DWPF	Disney Wildern	100.87	39	PFAKE	LR
DWPF	comp=Z,1µm,18.0s				
059A	Moore Haven	101.96	40	PFAKE	LR
059A	comp=Z,1µm,18.0s				
KMBO	Kilima Mbogo	103.05	279	PFAKE	LR
KMBO	comp=Z,1µm,20.0s				
NAI	Nairobi	103.48	280	PFAKE	LR
NAI	comp=Z,1µm,22.0s				
CCIG	Comitan	104.19	55	PFAKE	LR
CCIG	comp=Z,1µm,22.0s				

TAM	Tamanrasset	106.51	320	PFAKE	LR
TAM	comp=Z,1µm,22.0s				
ESPN	Las Esperanzas	112.16	51	PFAKE	LR
ESPN	comp=Z,400nm,20.0s				
SDDR	Presa de Saban	113.44	36	PFAKE	LR
SDDR	comp=Z,1µm,19.0s				
TOC1	Torodi Ar. Sit	116.53	317	PFAKE	LR
TOC1	comp=Z,1µm,18.0s				
TOC2	Torodi Ar. Sit	116.53	317	PFAKE	LR
TOC2	comp=Z,1µm,18.0s				
TOB2	Torodi Ar. Sit	116.54	317	PFAKE	LR
TOB2	comp=Z,1µm,18.0s				
TOC7	Torodi Ar. Sit	116.55	317	PFAKE	LR
TOC7	comp=Z,1µm,19.0s				
TOC3	Torodi Ar. Sit	116.55	317	PFAKE	LR
TOC3	comp=Z,1µm,18.0s				
TOA1	Torodi Ar. Sit	116.55	317	ePKPdf	PKPdf
TOA1	comp=Z,1µm,18.0s				
TOA1	comp=Z,1µm,18.0s				
TOA2	Torodi Ar. Sit	116.55	317	PFAKE	LR
TOA2	comp=Z,1µm,18.0s				
TOA0	Torodi Ar. Sit	116.55	317	ePKPdf	PKPdf
TOA0	comp=Z,1µm,18.0s				
TORD	Torodi Ar. Bea	116.55	317	PKP	PKPdf
TORD	comp=Z,0.6nm,0.7s,baz=41,slow=1.7,SNR=4.4				
TORB	Torodi Ar. Sit	116.55	317	PFAKE	LR
TORB	comp=Z,1.5nm,1.1s,baz=37,slow=4.0,SNR=20.0				
TOB5	Torodi Ar. Sit	116.55	317	PFAKE	LR
TOB5	comp=Z,1µm,21.0s				
TOB3	Torodi Ar. Sit	116.55	317	PFAKE	LR
TOB3	comp=Z,1µm,18.0s				
TOA3	Torodi Ar. Sit	116.56	317	PFAKE	LR
TOA3	comp=Z,1µm,18.0s				
TOB4	Torodi Ar. Sit	116.56	317	PFAKE	LR
TOB4	comp=Z,1µm,18.0s				
TOC4	Torodi Ar. Sit	116.57	317	PFAKE	LR
TOC4	comp=Z,1µm,18.0s				
TOC5	Torodi Ar. Sit	116.58	317	PFAKE	LR
TOC5	comp=Z,1µm,18.0s				
CUPR	Culebra, Puert	116.59	31	PFAKE	LR
CUPR	comp=Z,600nm,19.0s				
MTP	Monte Pirata	116.67	31	PFAKE	LR
MTP	comp=Z,600nm,19.0s				
LSZ	Lusaka	118.84	274	PFAKE	LR
LSZ	comp=Z,1µm,19.0s				
SVB	Belmont	122.72	29	PFAKE	LR
SVB	comp=Z,800nm,21.0s				
DBIC	Dimbokro	125.40	320	PKP	PKPdf
DBIC	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
QSPA	South Pole Qui	129.26	180	ePKPdf	PKPdf
QSPA	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
TSUM	Tsumeb	129.31	277	ePKPdf	PKPdf
TSUM	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
SYO	Syowa Base	131.08	208	ePdiff	Pdf
SYO	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
SNA4	Sanae	143.55	197	ePKPpre	PKPab
SNA4	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
SNA4	Sanae	143.55	197	ePKPpre	PKPab
SNA4	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
LPZ4	La Paz	144.17	59	PKP	PKPab
LPZ4	comp=Z,2.3nm,0.5s,baz=30,slow=5.8,SNR=17				
VNA2	Neumayer-Watz	145.11	196	Pdiff	PKPab
VNA2	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
MNMC	Minyay Minyay	145.16	64	ePKPbc	PKPab
MNMC	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
VNA3	Neumayer Olymp	145.34	195	Pdiff	PKPab
VNA3	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
WNA1	Neumayer-Stat	145.51	196	Pdiff	PKPab
WNA1	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
PB11	IPOC Station P	145.54	65	ePKPdf	PKPab
PB11	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
GO01	Chusmiza	145.80	64	ePKPdf	PKPab
GO01	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
RCBR	Riachuelo	146.45	359	ePKPdf	PKPab
RCBR	comp=Z,5.1µm,22.0s				
RCBR	Riachuelo	146.45	359	ePKP2	MLR
RCBR	comp=Z,5.1µm,22.0s				
LVC	Limon Verde	147.91	68	PKPbc	PKPbc
LVC	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
LVC	Limon Verde	147.91	68	ePKPbc	PKPbc
LVC	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
SIV	San Ignacio	148.36	49	PKP	PKPdf
SIV	comp=Z,1.6nm,0.9s,baz=300,slow=2.4,SNR=24				
SIV	comp=Z,2.0nm,1.0s,baz=283,slow=3.1,SNR=30				
LCO	Las Campanas	150.19	80	ePKPbc	PKPbc
LCO	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
GO04	Tololo Observa	150.67	82	ePKPbc	PKPbc
GO04	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
ROC1	El Roble	151.71	87	ePKPbc	PKPbc
ROC1	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
PEL	Peledhue	152.03	98	ePKPbc	PKPbc
PEL	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
PEL	Peledhue	152.03	98	ePKPbc	PKPbc
PEL	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
CFA	Coronel Fontan	152.83	83	PKPbc	PKPbc
CFA	comp=Z,2.5nm,0.7s,baz=318,slow=4.5,SNR=9.9				
PLCA	Paso Flores	154.20	104	PKPbc	PKPbc
PLCA	comp=Z,2.1nm,0.9s,baz=213,slow=3.7,SNR=41				
BDFB	Brasilia	154.24	26	PKPbc	PKPbc
BDFB	comp=Z,2.7nm,1.0s,baz=202,slow=5.4,SNR=8.5				
BDFB	Brasilia	154.24	26	ePKPbc	PKPbc
BDFB	comp=Z,2.7nm,1.0s,baz=202,slow=5.4,SNR=8.5				
BDFB	Brasilia	154.24	26	ePKPbc	PKPbc
BDFB	comp=Z,2.7nm,1.0s,baz=202,slow=5.4,SNR=8.5				

MEX 02:02:16:06:5:0.5,16:99N-99:08W,h28km,11km,MD3.7,  
Near coast of Guerrero

Code	Station Name	A°	AZ°	Phase ID	Time	Res
TLG	Tipapa	0.76	41	Op	02 21 18.2 -1.2	ISC
TLG	comp=Z,1µm,18.0s					ISC
PNIG	Pinotefe	1.09	123	eP	02 16 23.2 -2.7	Pn
PNIG	comp=Z,1µm,18.0s					Pn
CAIG	Ei Cayaco	1.13	273	eS	02 16 24.6 -1.9	Pn
CAIG	comp=Z,1µm,18.0s					Pn

IDC 02:02:28:29:5:1.5,2:73S-99:56E,h0km,mb3.77,mb1 3.8/8,  
mb1mx3.6/4,mbmp3.78,ML3.2/1,MS4.4/2,MS1 4.4/2,  
ms1mx3.6/43,Error ellipse: s-maj=67.6km s-min=18.2km  
az=54.0

ISCJB 02:02:28:33:0.2,8:2:49S:0:08:99:77E:0:10,h32km,  
mb3.8/7,MS4

Table with columns: Ddn, Station Name, Frequency, Power, and other technical details. Includes stations like DANGS, BRV, KOLN, etc.

IDC 02:05:41.4.1.4.8.32.30N:136.04E,h0km,mb3.7/2, mb1.3/3,mb1mx3.4/44,mbtpp3.7/3,ML2.6/1, Error ellipse: s-maj=371.8km s-min=31.9km az=106.0

JMA 02:05:56.1.0.4.3.37.47N:138.68E,h301km,az=106.0, M3.1, ISCBJ 02:05:56.0.0.6.3.39N:138.75E,0.1,h300km,mb3.2/2, Error ellipse: s-maj=16.2km s-min=1.5km az=153.3

ISC 02:05:56.8.2.0.3.33N:138.62E,0.1,h300km,n13, c=049/13,Southeast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like HAMAKITA, YASUKI, BOSO, etc.

IDC 02:05:33.6.0.7.30.26S:177.93W,h0km,mb4.2/8, mb1.4/4.9,mb1mx4.1/26,mbtpp4.2/9,ML3.6/1, Error ellipse: s-maj=22.4km s-min=17.8km az=102.0

ISCBJ 02:05:36.3.0.5.30.40S:107.03E,0.1,h35km, mb4.2/11, Error ellipse: s-maj=14.7km s-min=3.4km az=14.8

NEIC 02:05:38.3.2.9.30.20S:178.07W,h34km,mb4.3/7, Error ellipse: s-maj=22.9km s-min=11.3km az=105.0

ISC 02:05:38.5.0.6.30.31S:105.178W,0.1,h35km,n48, c=185/64,mb4.5/11,Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like GREEN LAKE, RAOUL ISLAND, etc.

Table with columns: THZ, ODZ, CTA, CTAO, STKA, STKA, BBOO, ASO1, AS31, ASAR, WRA, WRA, GSPA, PLCA, PLCA, PETK, PEAT, NV01, NVAR, FIA0, FIA1, FIA2, FIA3, NB2, NOA, AKASG, AKAB, BR101, BRTR, CLL, TORD, TOA1. Lists various seismic stations and their details.

NIED 02:03:20.00.39.40N:143.50E,h23km,Mw4.3 Best double couple: M3.050000.1015 NP1=173.00000,830.00000, 7.57.00000. NP2=30.00000,865.00000, 1.108.00000

JMA 02:02:59.7.0.2.39.44N:143.49E,h28km,az=111.0, ISCBJ 02:03:21.0.1.1.1.39.46N:103.143.43E,0.04,h20km,8km, mb4.3/37,MS3.9/2, Error ellipse: s-maj=5.6km s-min=3.8km az=34.8

NEIC 02:03:21.03.8.1.3.39.52N:143.29E,h32km,5km,mb4.5/22, Error ellipse: s-maj=15.9km s-min=10.3km az=111.0

NEIC Recorded [1 JMA] in Iwate. IDC 02:03:21.04.4.3.0.39.49N:143.24E,h36km,25km,mb3.8/22, mb1.4/0.27,mb1mx3.9/46,mbtpp4.0/27,ML3.6.5,MS3.8/4, Ms1.4.0.27,ms1mx3.3/35, Error ellipse: s-maj=18.1km s-min=12.9km az=126.0

ISC 02:03:21.03.8.2.4.39.50N:104.143.26E,0.07,h31km,16km, n89,c166/101,mb4.3/37,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like MIYAKONAGASAWA, MIYAJI, JTH, etc.

ASAJ Asahikawa 4.64 354 P Sn 03 23 06.6 +2.1

ASAJ Matsushiro Arr 4.96 235 Pn 03 23 17.8 +0.6

MJAR Matsushiro 4.96 235 Pn 03 23 17.9 +5.4

MAJO Matsushiro 4.96 235 ePn Sn 03 23 17.0 +0.8

MAJO Matsushiro 4.96 235 P Sn 03 22 16.9 +0.7

MAT Matsushiro 4.96 235 eS Sn 03 23 17.7 +5.2

MJB9 Matsu-Tunnel 4.96 235 ePn Sn 03 22 17.0 +0.8

INU Inuyama 4.67 352 ePn Sn 03 23 17.5 +0.6

JHJ Hachijo jima 2 6.96 205 Pn Sn 03 23 41.6 -2.0

JHJ 7.4n,0.3s,baz=252,slow=19,SNR=2.6 Nakatsu 11.84 241 LR 03 23 43.0

KSRS Kora Array 12.19 265 Pn 03 23 57.2 +1.9

KSRS comp=Z,157nm,19.6s,baz=131,slow=36 0.2n,0.3s,baz=86,slow=13,SNR=6.6

KS15 Wonju Array Si 12.23 265 ePn Sn 03 23 57.2 +1.4

KLR Kuldur 12.73 324 Pn 03 24 02.1 -0.4

MA2 Magadan 20.65 11 P 03 25 40.8 +0.1

SEY Seymchan 24.10 10 P 03 26 16.6 +0.2

ULN Ulaanbaatar 27.28 300 eP 03 26 45.5 0.0

Table with columns: CMAR, IM3, MK2R, RABL, MAKZ, KDAK, KDAK, KURK, WRH, ILAR, ILB, IL1, DOT, SCRK, EPYK, INK, INK, ARU, LPH, ABKAR, WRA, WRA, RES, YKA, YKA, YKBS, YKBS, ASAR, FIA0, FIA1, FIA2, FIA3, NB2, NOA, AKASG, AKAB, BR101, BRTR, CLL, TORD, TOA1. Lists various seismic stations and their details.

10nm,0.3s 43.54 254 P 03 29 05.0 +0.1

IM3 Indian Moutail 44.79 32 eP 03 29 06.8 +0.5

MK2R Makanchi Array 44.09 300 eP 03 29 08.6 -0.3

RABL Rabaul 44.24 167 eP 03 29 09.0 -1.4

MAKZ Makanchi 44.29 300 eP 03 29 11.0 +0.4

KDAK Kodiak Island 44.31 44 P 03 29 10.1 -0.4

KDAK Kodiak Island 44.31 44 eP 03 29 10.1 -0.4

KURK Kurchatov 45.60 306 eP 03 29 20.7 -0.1

WRH Wood River Hill 46.13 34 eP 03 29 25.7 +0.8

ILAR Eilson Array 46.64 34 P 03 29 29.1 +0.2

ILB Eilson Array 46.64 34 eP 03 29 29.1 +0.2

IL1 Eilson Array 46.64 34 eP 03 29 28.3 -0.5

DOT Dot Lake 47.95 35 eP 03 29 37.8 -1.3

SCRK Sand Creek 47.95 35 eP 03 29 38.3 -0.9

EPYK Eagle Plains 50.67 31 eP 03 30 00.1 +0.3

INK Inuvik 51.53 28 P 03 30 06.5 +0.3

INK Inuvik 51.53 28 eP 03 30 06.5 +0.3

ARU Arti 55.49 318 eP 03 30 36.0 +0.5

LPH Lauphoehoe 55.64 92 eP 03 30 39.6 +2.6

ABKAR Abkudak array 57.48 309 eP 03 30 49.5 -0.1

WRA Warramunga Arr 59.72 190 eP 03 31 05.6 +0.1

WRA Warramunga Arr 59.72 190 eP 03 31 05.6 +0.1

RES Resolute Bay 59.85 15 P 03 31 05.5 -0.3

YKA Yellowknife Ar 60.95 31 P 03 31 12.9 -0.5

YKA Yellowknife Ar 60.95 31 eP 03 31 12.9 -0.5

YKBS Yellowknife Ar 60.95 31 eP 03 31 12.9 -0.5

ASAR Alice Springs 63.44 190 P 03 31 29.6 -1.0

FIA0 FINESS Array S 67.31 332 eP 03 31 54.3 -0.9

FIA1 FINESS Array B 67.31 332 eP 03 31 54.3 -0.9

KBZ Khabaz 70.40 31 P 03 32 15.1 +0.3

NV01 Mina Array Sit 72.36 55 eP 03 32 27.9 +0.9

NVAR Minara Array Bea 72.36 55 eP 03 32 27.9 +0.9

NB2 NORSAR Subarra 72.47 338 P 03 32 26.8 -0.2

YM01	baz=297	S	Sn	03 37 31.5	-0.1	
TATO	baz=297 Taipei baz=287	1.04 287	eP	Sn	03 37 16.1	-0.1
TATO	baz=297	eP	Sn	03 37 31.1	-0.4	
YM05	baz=287 YM05	1.05 298	eP	Sn	03 37 16.3	0.0
YM04	baz=298 YM04	1.07 297	eP	Sn	03 37 16.5	+0.1
YM04	baz=297	eP	Sn	03 37 32.1	-0.1	
TWD	baz=297 Chiawan baz=236	1.07 237	P	Sn	03 37 16.2	-0.3
TWD	baz=236	eS	Sn	03 37 31.8	-0.4	
TWY	baz=236 Chenhua baz=304	1.08 304	P	Sn	03 37 16.7	+0.2
TWY	baz=304	eP	Sn	03 37 32.4	0.0	
ANP	baz=304 Anpu	1.09 298	eP	Sn	03 37 17.1	+0.3
IRIF	baz=298 Iriromote-Funau	1.10 107	P	Pn	03 37 16.5	-0.2
IRIF	baz=298	eS	Sn	03 37 32.6	-0.1	
YHNB	baz=269 Yeheng	1.10 270	eP	Sn	03 37 17.3	+0.4
YHNB	baz=269	eS	Sn	03 37 33.0	+0.1	
ETLH	baz=245 Xiulin Townsh	1.10 246	eP	Sn	03 37 16.9	0.0
ETLH	baz=245	eS	Sn	03 37 33.1	+0.1	
NNSB	baz=245 Datong	1.12 258	P	Sn	03 37 17.3	+0.2
NNSB	baz=257	eS	Sn	03 37 33.3	0.0	
NNS	baz=257 Nan Shan	1.12 259	eP	Sn	03 37 17.5	+0.2
NNS	baz=257	eS	Sn	03 37 33.5	0.0	
NTST	baz=295 Danshui	1.14 296	eP	Sn	03 37 17.5	+0.2
NTST	baz=295	eS	Sn	03 37 33.7	+0.1	
TWS1	baz=292 Kuangyinshan	1.14 292	eP	Sn	03 37 17.4	+0.1
TWS1	baz=292	eS	Sn	03 37 33.7	0.0	
ENLB	baz=229 Shouting	1.17 230	eP	Sn	03 37 17.9	+0.2
ENLB	baz=229	eS	Sn	03 37 34.5	+0.2	
WLTB	baz=229 Daxi	1.22 279	eP	Sn	03 37 18.7	+0.5
WLTB	baz=278	eS	Sn	03 37 35.5	+0.2	
HATJ	baz=278 Hateruma jima	1.27 118	P	Pn	03 37 18.9	+0.1
HATJ	baz=278	eS	Sn	03 37 36.7	+0.4	
NCUH	baz=283 Zhongli	1.30 284	eP	Sn	03 37 37.4	+0.3
WHF	baz=283 Hehuan Shan	1.31 247	P	Sn	03 37 19.6	-0.1
TWT	baz=246 Tachien	1.35 252	eP	Sn	03 37 20.8	+0.9
ESL	baz=251 Shilin	1.35 231	eP	Sn	03 37 19.2	-0.5
ESL	baz=230	eS	Sn	03 37 37.5	-0.6	
TDCB	baz=252 Techi	1.36 253	eP	Sn	03 37 20.7	+0.7
TDCB	baz=252	eS	Sn	03 37 38.6	+0.1	
JKRS	baz=252 Kuro-shima	1.37 108	P	Sn	03 37 20.2	+0.2
JKRS	baz=252	eS	Sn	03 37 38.9	+0.5	
CHGB	baz=244 Renai	1.42 245	eP	Sn	03 37 21.2	+0.4
CHGB	baz=244	eS	Sn	03 37 40.3	+0.4	
NSTT	baz=268 Nanjuang	1.44 269	eP	Sn	03 37 21.2	+0.4
NSTT	baz=268	eS	Sn	03 37 40.1	+0.1	
EGFH	baz=226 Guangfu	1.45 227	eP	Sn	03 37 20.8	-0.2
EGFH	baz=226	eS	Sn	03 37 39.7	-0.6	
JJH	baz=226 Ishigaki jima	1.45 102	P	Pn	03 37 20.8	-0.2
JJH	baz=226	S	Sn	03 37 39.5	-0.8	
OWD	baz=240 Renai	1.47 241	eP	Sn	03 37 21.6	+0.3
OWD	baz=240	eS	Sn	03 37 40.7	-0.2	
WHP	baz=255 Taichung City	1.54 256	eP	Sn	03 37 23.4	+1.2
JJSG	baz=255 Ishigakijima	1.57 93	P	Pn	03 37 22.6	+0.1
JJSG	baz=255	S	Sn	03 37 41.8	-1.2	
HGSD	baz=221 Ruisui	1.58 222	eP	Sn	03 37 22.4	-0.2
HGSD	baz=221	eS	Sn	03 37 43.2	+0.1	
VWDT	baz=235 VWDT	1.60 236	P	Sn	03 37 23.3	+0.5
VWDT	baz=235	S	Sn	03 37 43.6	+0.1	
NMLH	baz=265 Milaoli	1.64 266	eP	Sn	03 37 23.8	+0.5
NMLH	baz=265	eS	Sn	03 37 44.3	-0.1	
NSY	baz=265 Sanyi	1.68 262	eP	Sn	03 37 24.6	+0.7
NSY	baz=265	eS	Sn	03 37 46.0	+0.6	
TWQ1	baz=258 Liyutan	1.68 259	P	Sn	03 37 24.4	+0.6
TWQ1	baz=258	S	Sn	03 37 45.9	+0.6	
SMLT	baz=242 Sun Moon Lake	1.72 243	eP	Sn	03 37 25.5	+0.9
PTSB	baz=262 Yuanli	1.72 263	eP	Sn	03 37 24.9	+0.5
PTSB	baz=262	eS	Sn	03 37 46.6	+0.3	
SSLB	baz=239 Suanglung	1.73 240	eP	Sn	03 37 25.6	+1.1
YULB	baz=222 Yu-li	1.73 223	eP	Sn	03 37 23.8	-0.7
YULB	baz=222	eS	Sn	03 37 45.4	-1.1	
TWF1	baz=221 Yuli	1.76 222	eP	Sn	03 37 24.6	-0.3
TWF1	baz=221	eS	Sn	03 37 46.4	-0.8	
WDJ	baz=259 Dajia District	1.80 260	eP	Sn	03 37 26.0	+0.6
WDJ	baz=259	eS	Sn	03 37 48.3	+0.3	
TCU	baz=259 Taichung	1.81 254	eP	Sn	03 37 26.3	+0.7
WHYT	baz=238 Xinyi Township	1.85 239	eP	Sn	03 37 27.4	+1.3
WHYT	baz=238	eS	Sn	03 37 50.7	+1.3	
FULB	baz=218 Fuli	1.88 219	eP	Sn	03 37 26.4	-0.1
FULB	baz=218	eS	Sn	03 37 49.9	0.0	
WJS	baz=243 Zhushan	1.89 244	eP	Sn	03 37 27.4	+0.8
WNT	baz=245 Mingjian	1.90 246	eP	Sn	03 37 28.5	+1.8
WNT	baz=245	eS	Sn	03 37 52.3	+1.8	
CHKT	baz=245 Chengkung	1.92 216	eP	Sn	03 37 26.5	-0.4
CHKT	baz=215	eS	Sn	03 37 49.2	-1.6	
JTJ	baz=238 Tarama	1.93 90	P	Sn	03 37 27.4	+0.4
JTJ	baz=238	S	Sn	03 37 51.0	0.0	
WCHH	baz=238 Zhanghua	1.94 253	eP	Sn	03 37 27.5	+0.4
CHNS	baz=238 Tsauling	2.04 239	eP	Sn	03 37 30.1	+1.5
ELDTW	baz=223 Lidau	2.05 225	eP	Sn	03 37 28.5	-0.3
ELDTW	baz=223	eS	Sn	03 37 53.4	-0.7	
WDLH	baz=223 Doului	2.11 243	eP	Sn	03 37 30.3	+0.9

RLNB	baz=242 Erin	2.17 250	eP	Pn	03 37 30.9	+0.7
RLNB	baz=248	eS	Sn	03 37 57.0	+0.3	
STYT	baz=248 Tayuan	2.24 229	eP	Sn	03 37 32.3	+1.0
STYT	baz=227	eS	Sn	03 38 00.0	+1.5	
TPUB	baz=227 Ta-pu	2.25 233	eP	Sn	03 37 33.2	+2.0
WTP	baz=232 Ta-pu	2.29 232	eP	Sn	03 37 33.0	+1.2
CHY	baz=231 Chihli	2.29 240	eP	Sn	03 37 32.8	+1.1
TWGBT	baz=239 Beinan	2.30 217	eP	Sn	03 37 31.6	-0.3
TWGBT	baz=216	eS	Sn	03 37 59.5	-0.2	
TWG	baz=216 Pinlang	2.30 217	eP	Sn	03 37 31.6	-0.3
TWG	baz=216	eS	Sn	03 37 59.6	-0.2	
JIRB	baz=216 Irabujima	2.36 86	S	Sn	03 38 00.7	-0.4
TWK	baz=216 Hsiuying	2.37 234	P	Sn	03 37 33.9	+1.0
TWK	baz=233	eP	Sn	03 38 02.8	+1.3	
CHN1	baz=231 Nanshi	2.39 232	eP	Sn	03 37 34.6	+1.5
CHN1	baz=231	eS	Sn	03 38 03.2	+1.3	
SGST	baz=231 Jiashian	2.42 230	eP	Sn	03 37 34.4	+0.9
SLGT	baz=228 Liugui	2.43 227	eP	Sn	03 37 35.2	+1.5
JJKM	baz=226 Ikemajima	2.44 83	eS	Sn	03 38 02.9	0.0
JMJ	baz=86 Miyako jima 2	2.47 86	eP	Sn	03 37 35.6	+1.5
JMJ	baz=86	eS	Sn	03 38 04.0	+0.3	
SSD	baz=222 Sandimen	2.62 223	eP	Sn	03 37 36.8	+0.7
MASBT	baz=220 Mashibuluo	2.72 222	eP	Sn	03 37 38.5	+1.1
MASBT	baz=220	eS	Sn	03 38 09.7	0.0	
EAST	baz=220 Anshuo	2.77 215	eP	Sn	03 37 38.0	-0.3
EAST	baz=214	eS	Sn	03 38 10.8	-0.4	
WVUC	baz=214 WVUC	2.87 277	eP	Sn	03 37 38.8	-0.6
PNG	baz=276 Penghu	2.98 249	eP	Sn	03 37 40.2	-0.7
PNG	baz=248	eS	Sn	03 38 14.2	-1.6	
PHUB	baz=247 P'eng-hu	2.98 248	eP	Sn	03 37 40.4	-0.6
PHUB	baz=247	eS	Sn	03 38 14.6	-1.4	
WDGT	baz=242 Dungji	3.02 243	eP	Sn	03 37 41.7	+0.3
WDGT	baz=242	eS	Sn	03 38 16.0	-0.9	
TWKB	baz=242 Hengchun	3.16 211	eP	Sn	03 37 43.9	+0.5
TWKB	baz=210	eS	Sn	03 38 20.0	-0.3	
PTMZ	baz=210 Houxiangcun	3.17 277	eP	Sn	03 37 43.0	-0.4
VCHM	baz=276 Gimei	3.23 244	eP	Sn	03 37 44.4	+0.1
VCHM	baz=243	eS	Sn	03 38 20.9	-1.0	
KNMB	baz=243 Chin-men Tao	3.82 268	eP	Sn	03 37 51.6	-0.7
KNMB	baz=266	eS	Sn	03 38 34.5	-1.8	
AXDP	baz=266 Jialang	4.20 274	eP	Sn	03 37 57.1	-0.2
ZPLA	baz=268 Ao Xicun	4.47 262	eP	Sn	03 38 00.8	-0.2

**NIED 02 04:14:00, 39:50N, 143:40E, h17km, Mw4.0 Best double couple: M<sub>1</sub>:0.4000x10<sup>14</sup> N<sub>1</sub>:187.0000°, 322.0000°, 1.66, 0.0000°; N<sub>2</sub>:3.30000°, 870.00000°, 1.99, 0.00000°; ISCJB 02 04:14:43.3, 0.5, 39:43N, 0.04:143:46E, 0.05, h11km, mb3.7/17, m1mx3.6/49, Error ellipse: s-maj=7.3km s-min=4.4km az=141.8**

**JMA 02 04:14:45.6, 0.2, 39:47N, 143:44E, h36km, M4.3**  
**IDC 02 04:14:49.2, 2.6, 39:43N, 143:36E, h42km, 22km, mb3.6/18, mb1 3.8/21, mb1mx3.6/49, mbtmp3.8/21, ML3.5/3, MS3.2/6, Ms1 3.3/6, m1mx3.0/13.3, Error ellipse: s-maj=22.0km s-min=13.2km az=113.0**

**ISC 02 04:14:45.1, 0.7, 39:45N, 0.06:143:37E, 0.06, h11km, n38, 0:094/42, mb3.9/17, Off east coast of Honshu**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
MIYJ	Miyakonagasawa	1.21	277	Op	04 15 07.2	-0.7
MIYJ				S	04 15 23.1	-0.5
OFUJ	Ofunato	1.37	255	P	04 15 09.8	-0.4
JOM	Ohasama	1.61	272	P	04 15 13.7	+0.2
JANG	Nango	1.70	304	P	04 15 13.6	-1.1
JOM	Ichinoseki	1.74	254	P	04 15 14.4	+0.1
JMK				eS	04 15 36.2	-1.3
JIO	Ouri	1.86	238	P	04 15 16.6	-0.3
JRG	Rokugo	2.12	269	P	04 15 21.0	+0.5
JTM	Temabayashi	2.21	308	P	04 15 21.4	-0.4
JAH	Hinai	2.23	294	P	04 15 22.5	+0.5
JOU	Okura	2.27	244	P	04 15 24.2	+0.2
JOU				S	04 15 52.6	-0.5
JYK	Kaneyama	2.40	258	P	04 15 25.1	+0.8
JOT	Ohta	2.62	318	P	04 15 28.3	+0.9
JNEK	Urakawa-nobuka	2.87	351	P	04 15 29.0	+0.2
ASAJ	Asahikawa	4.70	353	P	04 15 56.3	+0.3
ASAJ				S	04 16 51.2	+0.7
ASAJ	1.4nm, 0.3s, baz=48, slow=32, SNR=1.4			LR	04 18 12.2	
ASAJ	comp=Z, 2.01nm, 18.1s, baz=161, slow=43			LR	04 16 01.8	+1.6
MJAR	Matsushiro Arr	5.00	236	P	04 18 11.2	
MJAR	0.9nm, 0.3s, baz=38, slow=11, SNR=54			LR	04 16 02.0	+1.8
MAT	Matsushiro	5.00	236	P	04 16 02.0	+1.8
MAT	comp=Z, 1.96nm, 18.6s, baz=35, slow=41			LR	04 16 59.0	+1.0
JNU	Nakatsue	11.89	242	LR	04 22 30.8	
JNU	Resolve Bay	59.88	15	P	04 17 43.2	+3.4
KRSR	Korea Array	12.28	266	P	04 17 43.2	+3.4
KRSR	0.6nm, 0.3s, baz=80, slow=14, SNR=4.6			LR	04 21 57.3	
KRSR	comp=Z, 101nm, 19.2s, baz=65, slow=35			LR	04 22 42.8	
KLR	Kul'dur	12.82	323	LR	04 19 25.6	+0.6
MA2	Magadan	20.69	11	P	04 20 01.3	+0.5
SEY	Seiyun	24.10	10	P	04 20 34.3	-0.1
SEY	2.3nm, 0.4s, baz=323, slow=20, SNR=3.4			P	04 22 31.6	-0.2
SOMN	Songino Array	27.82	300	P	04 20 34.3	-0.1
SOMN	1.8nm, 0.7s, baz=90, slow=7.6, SNR=5.5			P	04 22 49.8	+0.2
ZALV	Zalesovo Beam	41.46	310	P	04 22 53.4	-0.6
ZALV	1.5nm, 0.4s, baz=93, slow=8.7, SNR=3.3			P	04 22 53.4	-0.6
CMAR	Chiang Mai Arr	43.61	254	P	04 22 14.4	+1.3
CMAR	0.6nm, 0.3s, baz=					



MEX 02 04:52:07.7.0.7, 16:16N-98:29W, h1km, MD3.6, Near coast of Guerrero

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Res
PNIG	Pinotepa	0.28	33	i	P	Pg	04	52	12.3	-0.8	
PNIG	Pinotepa	0.28	33	i	S	Sg	04	52	17.2	+0.4	
TLIG	Tlapa	1.42	349	i	P	Pn	04	52	31.1	-3.8	
TLIG	Tlapa	1.42	349	i	S	Sg	04	52	49.6	-3.9	
VHO	Vista Hermosa	1.75	58	e	P	Pg	04	52	36.3	-3.0	
VHO	Vista Hermosa	1.75	58	e	S	Sg	04	52	59.9	-2.5	

IDC 02 05:02:06.1.1.0, 16:76Sx172:94W, h0km, mb3.8/6, mb1.4/2.6, mb1mx3.8/6.0, mbtmp3.8/6, Error ellipse: s-maj=49.0km s-min=21.1km az=140.0, Samoa Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Res
URZ	Urewera	23.13	200	P	P	P	05	07	13.9	0.0	
WRW	Warrungarra Arr	49.98	258	P	P	P	05	11	01.7	-0.7	
ASAR	Alice Springs	50.12	253	P	P	P	05	11	03.7	+0.1	
NVAR	Mina Array Bea	75.05	42	P	P	P	05	13	50.8	+0.8	
TXAR	Lajitas Array	81.00	56	P	P	P	05	14	22.6	-0.6	
ILAR	Eielson Array	83.69	11	P	P	P	05	14	35.2	-1.1	
BRTR	Keskin Array B	147.48	320	PKPbc	PKPbc	PKPbc	05	21	53.3	+0.7	

MOS 02 05:10:58.4.0.6, 50:61N, 157:68E, h49km, mb4.5/1, Error ellipse: s-maj=21.8km s-min=8.1km az=81.0, KRSC 02 05:10:59.2.10.0, 50:82N, 157:13E, h81km, mb3.4/3, h0km, ML4.4, ISCJB 02 05:11:00.5.0.7, 50:84N, 107:157.5E, 0.1, h70km, km, mb3.2/7, Error ellipse: s-maj=14.6km s-min=4.6km az=135.3

SKHL 02 05:11:01.4.0.3, 50:80N, 157:47E, h55km, mb4.4/3, IDC 02 05:11:03.3.3.8, 51:00N, 157:13E, h81km, mb3.3/1.7, mb1.3.4/8, mb1mx3.1/6.3, mbtmp3.4/8, MS3.2/1, Ms1.3.2/1, ms1mx2.5/1.7, Error ellipse: s-maj=34.8km s-min=20.0km az=164.0

ISC 02 05:11:00.4.1.3, 50:77N, 0:08, 157:53E, 0:06, h53km, 12km, n66, e194/99, mb3.5/7, Kuril Islands

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Res
PAU	Pauzhetka	0.83	327	e	P	Pn	05	11	16.3	+0.4	
PAU	Pauzhetka	0.83	327	e	S	Sn	05	11	27.7	+0.4	
PAU	Pauzhetka	0.83	327	e	P	Pn	05	11	16.2	+0.4	
PAU	Pauzhetka	0.83	327	e	S	Sn	05	11	17.5		
PAU	3um,0.2s	A	A	A	A	A	05	11	27.2	-0.1	
PAU	3um,0.2s	A	A	A	A	A	05	11	28.0		
PAU	Pauzhetka	0.83	327	e	P	Pn	05	11	16.3	+0.4	
PAU	Pauzhetka	0.83	327	e	S	Sn	05	11	27.7	+0.4	
SKR	Severo-Kuril's	0.90	265	e	P	Pn	05	11	17.3	+0.5	
SKR	Severo-Kuril's	0.90	265	e	S	Sn	05	11	29.4	+0.5	
SKR	Severo-Kuril's	0.90	265	e	P	Pn	05	11	17.0	+0.2	
SKR	Severo-Kuril's	0.90	265	e	S	Sn	05	11	17.0		
SKR	181nm,0.5s	A	A	A	A	A	05	11	29.0	+0.1	
SKR	2um,0.5s	A	A	A	A	A	05	11	30.0		
SKR	Severo-Kuril's	0.90	265	e	P	Pn	05	11	17.3	+0.5	
SKR	Severo-Kuril's	0.90	265	e	S	Sn	05	11	29.4	+0.5	
KDTR	Khodutka, Kamc	1.09	18	e	P	Pn	05	11	19.4	0.0	
KDTR	Khodutka, Kamc	1.09	18	e	S	Sn	05	11	32.4	-1.1	
KDTR	Khodutka, Kamc	1.09	18	e	P	Pn	05	11	19.4	0.0	
KDTR	Khodutka, Kamc	1.09	18	e	S	Sn	05	11	32.4	-1.1	
ALID	Alaid	1.26	275	i	P	Pn	05	11	22.4	-1.1	
ALID	Alaid	1.26	275	i	S	Sn	05	11	32.9	+0.2	
ASAK	Asacha	1.63	8	e	P	Pn	05	11	27.2	+0.4	
ASAK	Asacha	1.63	8	e	S	Sn	05	11	46.3	-0.3	
ASAK	Asacha	1.63	8	e	P	Pn	05	11	27.2	+0.4	
ASAK	Asacha	1.63	8	e	S	Sn	05	11	46.3	-0.3	
ASAK	Mutnovka	1.76	13	e	P	Pn	05	11	29.3	-0.3	
ASAK	Mutnovka	1.76	13	e	S	Sn	05	11	49.3	+0.7	
ASAK	Mutnovka	1.76	13	e	P	Pn	05	11	29.3	-0.3	
ASAK	Mutnovka	1.76	13	e	S	Sn	05	11	49.3	+0.7	
RUS	Russkaya	1.77	20	i	P	Pn	05	11	28.5	-0.1	
RUS	Russkaya	1.77	20	i	S	Sn	05	11	48.3	-1.7	
RUS	Russkaya	1.77	20	i	P	Pn	05	11	28.5	-0.1	
RUS	Russkaya	1.77	20	i	S	Sn	05	11	48.3	-1.7	
GRL	Gorelyy	1.81	11	e	P	Pn	05	11	29.9	+0.6	
GRL	Gorelyy	1.81	11	e	S	Sn	05	11	51.3	+0.1	
GRL	Gorelyy	1.81	11	e	P	Pn	05	11	29.9	+0.6	
GRL	Gorelyy	1.81	11	e	S	Sn	05	11	51.3	+0.1	
KRMR	Karymshinskiy	2.09	10	e	P	Pn	05	11	34.0	+1.0	
KRMR	Karymshinskiy	2.09	10	e	S	Sn	05	11	58.5	+0.6	
KRMR	Karymshinskiy	2.09	10	e	P	Pn	05	11	34.0	+1.0	
KRMR	Karymshinskiy	2.09	10	e	S	Sn	05	11	58.5	+0.6	
APC	Apacha	2.17	354	e	P	Pn	05	11	34.8	+0.8	
APC	Apacha	2.17	354	e	S	Sn	05	11	34.9	+0.9	
PETK	Petropavlovsk-	2.34	3	P	P	Pn	05	11	37.3	+0.9	
PETK	Petropavlovsk-	2.34	3	P	S	Sn	05	11	58.6	-5.3	
PETK	Petropavlovsk	2.36	17	e	P	Pn	05	11	37.3	+0.9	
PETK	Petropavlovsk	2.36	17	e	S	Sn	05	11	58.6	-5.3	
PET	Petropavlovsk	2.36	17	e	P	Pn	05	11	37.3	+0.9	
PET	Petropavlovsk	2.36	17	e	S	Sn	05	11	58.6	-5.3	
PET	23nm,0.3s	A	A	A	A	A	05	12	03.7	-0.7	
PET	159nm,0.4s	A	A	A	A	A	05	12	06.5		
PET	280nm,0.4s	A	A	A	A	A	05	12	06.5		
PET	Petropavlovsk	2.36	17	e	P	Pn	05	11	37.2	+0.6	
PET	Petropavlovsk	2.36	17	e	S	Sn	05	12	04.3	-0.1	
PET	comp=Z,19nm,0.4s	smax	smax	smax	smax	smax	05	12	04.3	-0.1	
PET	comp=E,283nm,0.4s	smax	smax	smax	smax	smax	05	12	04.3	-0.1	
PET	comp=N,225nm,0.6s	smax	smax	smax	smax	smax	05	12	04.3	-0.1	
DALK	Dalny	2.38	18	e	P	Pn	05	11	37.7	+0.7	
DALK	Dalny	2.38	18	e	S	Sn	05	12	05.1	+0.1	
DALK	Dalny	2.38	18	e	P	Pn	05	11	37.7	+0.7	
DALK	Dalny	2.38	18	e	S	Sn	05	12	05.1	+0.1	
UGLR	Uglovaya	2.57	18	e	P	Pn	05	11	41.0	+1.4	
UGLR	Uglovaya	2.57	18	e	S	Sn	05	11	41.0	+1.4	
AVH	Avacha	2.60	16	e	P	Pn	05	11	42.0	+1.9	
AVH	Avacha	2.60	16	e	S	Sn	05	11	42.0	+1.9	
AVH	Avacha	2.60	16	e	P	Pn	05	11	42.0	+1.9	
AVH	Avacha	2.60	16	e	S	Sn	05	11	42.0	+1.9	
KOK	Koryaka	2.61	15	i	P	Pn	05	11	42.3	+2.1	
KOK	Koryaka	2.61	15	i	S	Sn	05	11	42.3	+2.1	
SMAR	Somma	2.62	17	e	P	Pn	05	11	42.3	+1.9	
SMAR	Somma	2.62	17	e	S	Sn	05	11	42.3	+1.9	
KRER	Koryakskii	2.64	16	e	P	Pn	05	11	42.5	+1.7	
KRER	Koryakskii	2.64	16	e	S	Sn	05	11	42.5	+1.7	
SDLR	Sedlovina	2.65	18	i	P	Pn	05	11	41.5	+0.8	
SDLR	Sedlovina	2.65	18	i	S	Sn	05	11	41.5	+0.8	
NLC	Nalytchevo	2.65	24	e	P	Pn	05	11	40.2	-0.4	
NLC	Nalytchevo	2.65	24	e	S	Sn	05	11	40.2	-0.4	
NLC	Nalytchevo	2.65	24	e	P	Pn	05	11	40.2	-0.4	
NLC	Nalytchevo	2.65	24	e	S	Sn	05	11	40.2	-0.4	
KRX	Arik	2.68	15	e	P	Pn	05	11	42.9	+1.7	
KRX	Arik	2.68	15	e	S	Sn	05	11	42.9	+1.7	
SPN	Mys Shipunski	2.79	33	e	P	Pn	05	11	43.8	+1.2	
SPN	Mys Shipunski	2.79	33	e	S	Sn	05	11	43.8	+1.2	
SPN	Mys Shipunski	2.79	33	e	P	Pn	05	11	43.8	+1.2	
SPN	Mys Shipunski	2.79	33	e	S	Sn	05	11	43.8	+1.2	
MKZ	Mys Kozlova	4.57	32	e	P	Pn	05	12	07.7	+0.8	
MKZ	Mys Kozlova	4.57	32	e	S	Sn	05	12	07.7	+0.8	
KZV	Kizimen	4.66	20	e	P	Pn	05	12	11.7	+2.8	
KZV	Kizimen	4.66	20	e	S	Sn	05	12	11.7	+2.8	
KZV	Kizimen	4.66	20	e	P	Pn	05	12	11.7	+2.8	
KZV	Kizimen	4.66	20	e	S	Sn	05	12	11.7	+2.8	
TUMD	Tumrok	4.76	20	e	P	Pn	05	12	13.5	+3.9	

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Res
TUMD	Tumrok	4.76	18	e	S	Sn	05	13	05.5	+2.0	
TUMR	Tumrok	4.79	18	e	P	Pn	0				



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIJV Tanohata, OFUJ Ofunato, JOM Ohasama, etc.

IDC 02 07:33:02.8:1.3, 12.25N, 145.09E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.2/47, mbtmp3.2/3, Error ellipse: s-maj=74.0km s-min=17.6km az=93.0, South of Mariana Islands

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

IDC 02 07:41:57.3:2.7, 10.89S, 113.35E, h0km, mb3.0/3, mb1 3.4/4, mb1mx3.3/33, mbtmp3.2/4, ML3.1/1, MS3.3/2, Ms1 3.3/2, ms1mx2.9/15, Error ellipse: s-maj=128.1km s-min=25.6km az=45.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAGI Jajag Banyuwya, GMJI Gumukmas, SRBI Singaraja, etc.

IDC 02 07:46:37.3:0.8, 7.17S, 0.05E, 129.8E, 0.1, h100km, mb3.9/2, Error ellipse: s-maj=16.8km s-min=7.5km az=179.8

IDC 02 07:46:57.1:3.2, 7.28S, 129.78E, h132km, 23km, mb3.6/2, mb1 3.7/7, mb1mx3.4/30, mbtmp4.0/7, Error ellipse: s-maj=31.2km s-min=19.9km az=84.0

IDC 02 07:46:38.6:0.8, 7.34S, 0.06E, 129.8E, 0.1, h100km, n8, c#310/12, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIJI Sorong, BATI Baumenta, FITZ Fitzroy Crossi, etc.

NIED 02 07:46:59.0:0.2, 39.45N, 143.50E, h17km, Mw3.7, Best double couple: M3.69000x1014 NP1.186.00000, 820.00000, 7.62.00000, NP2.96.00000, 873.00000, 1.100.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIJV Miyakonagasawa, JTH Tanohata, OFUJ Ofunato, etc.

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

MEX 02 08:00:16.4:0.6, 16.29N, 98.08W, h10km, 4km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tiapa, VHO Vista Hermosa, etc.

MEX 02 08:09:48.4:0.6, 16.29N, 97.84W, h1km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, VHO Vista Hermosa, TLIG Tiapa, etc.

MEX 02 08:12:44.3:0.6, 16.28N, 98.08W, h9km, 3km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tiapa, VHO Vista Hermosa, etc.

IDC 02 08:29:48.7:1.5, 31.25S, 176.82W, h0km, mb3.8/3, mb1 4.2/6, mb1mx3.8/51, mbtmp4.0/6, ML4.1/3, MS4.0/2, Ms1 4.0/2, ms1mx3.2/4, Error ellipse: s-maj=40.1km s-min=26.6km az=129.0

NEIC 02 08:29:49.2:8.1, 31.28S, 177.04W, h10km, mb4.5/9, Error ellipse: s-maj=54.9km s-min=6.8km az=91.0

IDC 02 08:29:50.6:1.0, 31.34S, 0.05E, 176.9W, 0.2, h33km, mb4.5/1, Error ellipse: s-maj=18.6km s-min=6.3km az=5.0

IDC 02 08:29:52.1:1.1, 31.23S, 0.06E, 176.9W, 0.1, h35km, n34, c#153/34, Kermadec Islands region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKZ Black Stump Fm, HNZ Hauiti, HZ South Karori, etc.

IDC 02 08:04:08.1:1.1, 12.3N, 0.3:87.6W, 0.2, h10km, mb3.6/4, Error ellipse: s-maj=49.6km s-min=8.3km az=42.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAV Davao City, SNAI Sanae, VNA2 Neumayer Olymp, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTS 0.8nm, 0.3s, baz=172, slow=22, SNR=8.1, CMIG Matias Romero, etc.

ISC/JB 02 08:41:39.6:0.2, 0.82N, 0.02E, 122.69E, 0.03, h51km, mb4.4/47, MS3.6/8, Error ellipse: s-maj=4.3km s-min=3.5km az=1.4

KLM 02 08:41:42.0:1.0, 0.00N, 122.95E, h72km, mb4.6, DJA 02 08:41:42.4:0.5, 1.7N, 5.12E, h21km, 6km, M4.8/8, mb5.0/7, mb5.1/7, MLV5.0/8, MWM(B)4.5/7

NEIC 02 08:41:42.3:0.5, 0.79N, 122.66E, h66km, 5km, mb4.5/29, Error ellipse: s-maj=5.0km s-min=3.8km az=57.0

IDC 02 08:41:43.1:2.2, 0.78N, 122.66E, h67km, 20km, mb4.1/20, Ms1 4.2/23, mb1mx4.0/53, mbtmp4.4/23, MS3.4/10, Ms1 3.4/10, ms1mx3.2/48, Error ellipse: s-maj=17.4km s-min=10.7km az=67.0

ISC 02 08:41:41.2:0.4, 0.88N, 0.04E, 122.68E, 0.05, h51km, n08, c#184/108, mb4.5/47, MS3.4/8, 1D, Minahassa Peninsula, Sulawesi

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

IDC 02 08:29:48.7:1.5, 31.25S, 176.82W, h0km, mb3.8/3, mb1 4.2/6, mb1mx3.8/51, mbtmp4.0/6, ML4.1/3, MS4.0/2, Ms1 4.0/2, ms1mx3.2/4, Error ellipse: s-maj=40.1km s-min=26.6km az=129.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKMP Bagumbayan, Su Don Marcelino, BKP Balikpapan, etc.

IDC 02 08:29:49.2:8.1, 31.28S, 177.04W, h10km, mb4.5/9, Error ellipse: s-maj=54.9km s-min=6.8km az=91.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAP Kappang, KAP Kappang, DAV Davao City, etc.

IDC 02 08:29:49.2:8.1, 31.28S, 177.04W, h10km, mb4.5/9, Error ellipse: s-maj=54.9km s-min=6.8km az=91.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMRI Maumere, FAKI Fak Fak, SBUM Sibiu, etc.

IDC 02 08:29:49.2:8.1, 31.28S, 177.04W, h10km, mb4.5/9, Error ellipse: s-maj=54.9km s-min=6.8km az=91.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MYKOM Kota Tinggi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IPM Ipoah, PSADI Pilbara Seismi, YULB Yu-li, etc.

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

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

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

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

Text containing station coordinates and parameters: BUJ 02 08:55:52.9, 66.76N, 18.02W, h6km, mb4.9/33, mb5.0/19, Ms4.8/13, Ms7.4/6/12, etc.

Main table with columns: Code, Station Name, Az, Az', Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including AZM81, IGR1, IFLA, etc.

Main table with columns: Code, Station Name, Az, Az', Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including NB201, BJO1, IVI, etc.



ILAR	comp=Z,6.7nm,0.4s,baz=22,slow=6.9,SNR=49 PcP	09 05 48.9 +0.7
ILB	comp=Z,1.2nm,0.8s,baz=18,slow=3.5,SNR=6.1 Eielson Array 44.00 331 eP	09 04 02.5 -0.4
N49A	comp=Z,1.9nm,1.3s Columbus Grove 44.04 269 P	09 04 03.0 -0.4
N49A	comp=Z,1.8nm,0.9s Columbus Grove 44.04 269 P	09 04 04.6 +1.1
R58B	baz=32 Mineral 44.06 261 P	09 04 06.1 +2.5
O51A	baz=31 Pataskala 44.07 267 P	09 04 05.2 +1.6
MDM	baz=31 Murphy Dome 44.09 332 eP	09 04 03.7 +0.1
COLA	comp=Z,2.2nm,1.2s College 44.09 332 eP	09 04 03.0 -0.5
COLA	College 44.09 332 eP	09 04 03.0 -0.5
TCOL	baz=25 CIGO, UAF Yank 44.10 332 P	09 04 04.7 +1.1
IM3	Indian Mountai 44.12 336 eP	09 04 03.5 -0.3
SCRK	Sand Creek 44.14 329 eP	09 04 04.0 -0.1
ACSO	comp=Z,5.1nm,0.9s Alum Creek Sta 44.15 267 P	09 04 06.3 +2.0
P53A	Whipple 44.15 265 eP	09 04 03.5 -0.8
P53A	comp=Z,1.8nm,0.9s Whipple 44.15 265 P	09 04 06.3 +2.0
J41A	Loganville 44.31 276 P	09 04 06.6 +1.1
P52A	baz=33 Corning 44.32 266 P	09 04 07.2 +1.6
HDA	Harding Lake 44.34 331 eP	09 04 05.7 +0.1
HDA	Harding Lake 44.34 331 P	09 04 06.7 +1.2
MDND	baz=26,SNR=11 Madcock 44.35 287 eP	09 04 06.2 +0.3
MDND	Madcock 44.35 287 P	09 04 07.2 +1.4
Q54A	baz=34 Coxs Mills 44.35 264 P	09 04 07.4 +1.5
N48A	Decatur 44.43 269 P	09 04 07.9 +1.3
DOT	Dot Lake 44.45 329 P	09 04 06.0 -0.4
O50A	comp=Z,1.0nm,0.8s Cable 44.47 268 P	09 04 08.7 +1.8
WRH	Wood River Hill 44.50 332 eP	09 04 06.2 -0.7
RIDG	comp=Z,1.9nm,1.0s Independ e Rid 44.52 330 eP	09 04 06.5 -0.6
J40A	Soldiers Grove 44.58 277 P	09 04 09.6 +1.9
O49A	baz=33 Covington 44.73 268 eP	09 04 08.8 -0.1
O49A	comp=Z,1.7nm,0.9s Covington 44.73 268 P	09 04 10.5 +1.6
Q53A	baz=31 Leroy 44.74 265 P	09 04 11.0 +2.0
T59A	baz=29 Double "B" Far 44.79 260 P	09 04 10.9 +1.5
MENT	Mentasta 45.01 328 eP	09 04 10.7 -0.3
J39A	comp=Z,2.8nm,0.9s Decorah 45.01 277 P	09 04 11.4 +0.2
K41A	Shullsburg 45.07 276 P	09 04 13.1 +1.5
T58A	Grand View Acr 45.20 260 P	09 04 14.4 +1.7
L42A	Oliver, Polo 45.32 275 P	09 04 15.1 +1.5
BP4W	Bear Paw Mtn. 45.38 333 eP	09 04 13.7 -0.1
O47A	comp=Z,1.7nm,1.2s Sheridan 45.42 270 P	09 04 16.0 +1.6
U59A	Littleton 45.42 259 P	09 04 15.3 +0.8
T57A	baz=30 Hurt 45.44 261 P	09 04 15.8 +1.2
HYT	Haines Junctio 45.49 323 eP	09 04 15.0 +0.1
DGMT	comp=Z,2.7nm,1.0s Dagmar 45.57 292 eP	09 04 15.8 +0.3
DGMT	comp=Z,1.3nm,1.1s Dagmar 45.57 292 P	09 04 17.3 +1.7
L41A	baz=34 Preston 45.59 275 P	09 04 17.3 +1.5
RND	Reindeer 45.61 332 eP	09 04 15.7 -0.1
RND	Reindeer 45.61 332 eP	09 04 15.7 -0.1
RND	comp=Z,6.0nm,0.8s Reindeer	09 04 15.7 -0.1
K39A	baz=33 Oelwein 45.62 277 P	09 04 17.0 +1.0
DHY	Denali Highway 45.63 331 eP	09 04 15.3 -0.7
R52A	Catlettsburg 45.63 265 P	09 04 16.5 +0.3
SFIN	Lafayette 45.67 271 P	09 04 16.9 +0.5
BILL	Bilibino 45.68 358 eP	09 04 16.3 +0.1
BILL	LS 09 04 20.9	09 04 25.0
BILL	LS 09 11 08.0 +9.3	
U58A	comp=Z,3.0nm,1.0s Oxford 45.69 260 P	09 04 17.4 +0.8
T56A	baz=29 Rocky Mt 45.72 262 P	09 04 17.6 +0.7
N44A	Piper City 45.73 272 P	09 04 18.4 +1.5
P48A	baz=32 Milroy 45.78 269 P	09 04 16.7 -0.6
HARP	HAARP 45.78 329 eP	09 04 17.2 +0.1
L40A	comp=Z,3.1nm,1.1s Anamosa 45.89 276 P	09 04 18.1 0.0
T55A	baz=30 Pulaski 45.95 263 P	09 04 20.0 +1.3
Q49A	Aurora 45.96 268 P	09 04 20.6 +1.9
L39A	baz=31 Vinton 46.15 277 P	09 04 21.3 +1.1
M41A	baz=32 Milan 46.20 275 P	09 04 22.1 +1.5
T54A	baz=32 Tazewell 46.31 263 P	09 04 23.1 +1.5
Q48A	North Vernon 46.36 269 P	09 04 22.6 +0.7
S52A	Salversville 46.37 265 P	09 04 22.7 +0.7
HDIL	Hopedale 46.40 273 P	09 04 23.1 +0.9
O44A	baz=32 Mansfield 46.41 272 P	09 04 23.3 +1.1
N42A	baz=32 Yates City 46.46 274 P	09 04 24.1 +1.5
ZAA1	Zalesovo Array 46.54 53 eP	09 04 23.7 +0.6
ZAA1	ePcP	09 05 57.5 +0.4
ZAA0	comp=Z,4.4nm,0.9s Zalesovo Array 46.54 53 eP	09 04 22.3 -0.7
ZALV	46.54 53 P	09 04 23.7 +0.6
ZALV	comp=Z,1.9nm,0.5s,baz=330,slow=8.6,SNR=11 Zalesovo Beam	09 05 57.5 +0.4
ZALV	comp=Z,1.1nm,0.6s,baz=324,slow=6.2,SNR=2.9 Zalesovo	09 25 24.7
M40A	Post Highland 46.56 276 P	09 04 24.5 +1.1
U55A	baz=30 Taz, Sparta 46.58 263 P	09 04 24.4 +0.7
ECSD	EROS Data Cent 46.62 282 eP	09 04 23.6 -0.2
ECSD	EROS Data Cent 46.62 282 P	09 04 24.8 +0.9
SCM	Sheep Creek Mo 46.75 330 eP	09 04 24.7 0.0
SCM	comp=Z,2.5nm,1.0s Sheep Creek Mo	09 04 24.7 0.0
SCM	comp=Z,2.5nm,1.0s Sheep Creek Mo	09 04 24.7 0.0
T53A	Wise 46.76 264 P	09 04 26.6 +1.5
M39A	Webster 46.76 276 P	09 04 25.6 +0.6
TGL	baz=32 Tana Glacier 46.77 327 eP	09 04 24.9 -0.1

SCIA	State Center 46.82 278 eP	09 04 25.6 +0.2
SCIA	State Center 46.82 278 P	09 04 27.1 +1.7
T52A	baz=32 Hallie 46.83 265 P	09 04 27.8 +2.3
U54A	Nelsons Funny 46.87 263 P	09 04 27.3 +1.3
S50A	Richmond 46.90 267 P	09 04 27.1 +1.0
SUSD	Miller 46.94 284 P	09 04 27.2 +0.9
V56A	Mocksville 46.97 262 P	09 04 28.7 +2.1
O42A	baz=29 Bath 47.02 274 P	09 04 27.7 +0.7
N40A	Mertquake, Sal 47.03 275 P	09 04 28.2 +1.1
P44A	Sand Creek, Wi 47.06 272 P	09 04 27.7 +0.4
ANM	Nome 47.14 342 eP	09 04 27.9 +0.3
ANM	Nome 47.14 342 eP	09 04 27.9 +0.3
ANM	Nome	09 04 27.9 +0.3
WCI	comp=Z,5.0nm,0.9s Wyandotte Cave 47.19 269 P	09 04 29.9 +1.6
KURK	baz=30 Kurchatov 47.20 59 eP	09 04 27.6 -0.7
KURK	Kurchatov 47.20 59 P	09 04 28.9 +0.6
R47A	Wooly Knot Far 47.22 269 P	09 04 29.8 +1.2
KURBB	baz=30 Kurchatov Arra 47.25 60 P	09 04 28.9 +0.2
KURBB	comp=Z,2.0nm,0.9s,baz=329,slow=7.3,SNR=73 Kurchatov	09 06 17.0 -2.3
P43A	baz=31 Skaggs, Pawnee 47.27 273 P	09 04 31.3 +2.4
U53A	Fall Branch 47.31 264 P	09 04 30.9 +1.6
PMR	Palmer 47.32 331 eP	09 04 29.3 +0.2
PMR	Palmer 47.32 331 eP	09 04 29.3 +0.2
PMR	Palmer	09 04 29.3 +0.2
Q45A	comp=Z,7.0nm,1.0s Warren Harvey, 47.36 271 P	09 04 31.7 +2.0
O41A	baz=31 Passleys Farm, 47.41 274 P	09 04 32.0 +1.9
V54A	baz=31 Neel 47.57 263 P	09 04 32.6 +1.2
EYAK	Cordova Ski Ar 47.59 328 eP	09 04 31.0 -0.1
W56A	Indian Trail 47.59 261 P	09 04 32.7 +1.3
U52A	Thorn Hill 47.60 265 P	09 04 32.8 +1.2
P42A	Winchester 47.65 273 P	09 04 33.0 +1.1
Q44A	Meyer Farm, Va 47.70 272 P	09 04 33.8 +1.6
LAO	LASA Array 47.81 292 eP	09 04 33.1 -0.1
LAO	LASA Array 47.81 292 P	09 04 34.8 +1.6
P41A	baz=33,SNR=7.9 Barry, Barry 47.86 274 P	09 04 35.0 +1.5
U51A	baz=30 La Follette 47.87 265 P	09 04 35.3 +1.6
KM5C	Kings Mountain 47.88 262 P	09 04 35.4 +1.7
RC01	Rabbit Creek A 47.93 331 eP	09 04 33.8 +0.2
R45A	baz=29 Skylar, Fairfi 47.93 271 P	09 04 36.5 +2.4
Q43A	baz=30 New Douglas 47.94 272 P	09 04 35.3 +1.1
USIN	University of 47.96 270 eP	09 04 34.4 0.0
EGMT	Eagleton 47.98 295 eP	09 04 35.3 +0.8
EGMT	comp=Z,2.0nm,1.1s Eagleton 47.98 295 P	09 04 35.8 +1.3
U50A	baz=32,SNR=8.1 Jamestown 47.81 266 P	09 04 37.4 +1.3
T48A	baz=30 Boing Green 48.19 268 P	09 04 37.7 +1.6
Q42A	baz=30 Golden Eagle 48.30 273 P	09 04 37.8 +0.8
TKL	Tuckaleeches C 48.40 265 LR	09 23 39.8
Q41A	comp=Z,6.69nm,21.1s,baz=26,slow=34 Truxton 48.54 274 P	09 04 39.6 +0.8
T47A	baz=31 Sharon Grove 48.58 269 eP	09 04 39.3 +0.2
T47A	comp=Z,1.4nm,1.0s Sharon Grove 48.58 269 P	09 04 40.3 +1.2
W53A	Cullowhee 48.58 264 P	09 04 41.3 +1.9
T46A	Princeton 48.85 269 P	09 04 42.4 +1.2
V50A	baz=30 Pikeville 48.92 266 P	09 04 43.0 +1.2
R42A	baz=29 Luebering 48.94 273 P	09 04 42.6 +0.7
SVW2	Sparrevohn 48.97 334 eP	09 04 42.5 +0.6
FVM	French Village 49.05 272 eP	09 04 42.7 -0.1
FVM	French Village 49.05 272 eP	09 04 42.7 -0.1
FVM	French Village	09 04 42.7 -0.1
U47A	comp=Z,10.0nm,0.8s Clasville 49.13 268 P	09 04 44.1 +0.8
V49A	McMinville 49.16 267 P	09 04 44.4 +0.8
R5SD	baz=29 Black Hills 49.16 288 eP	09 04 43.0 -0.8
R5SD	comp=Z,7.4nm,0.8s Black Hills 49.16 288 eP	09 04 43.0 -0.8
R5SD	Black Hills	09 04 43.0 -0.8
R5SD	comp=Z,7.0nm,0.8s Black Hills 49.16 288 P	09 04 45.0 +1.2
R41A	baz=30 Rosebud 49.16 273 P	09 04 43.9 +0.3
Z57A	Bowman 49.25 260 P	09 04 45.4 +1.2
S43A	Fulton Ridge, 49.27 272 P	09 04 45.5 +1.1
CCM	Cathedral Cave 49.32 273 eP	09 04 45.1 +0.4
CCM	Cathedral Cave 49.32 273 eP	09 04 45.2 +0.4
CCM	Cathedral Cave	09 04 45.2 +0.4
CCM	comp=Z,7.0nm,0.9s Cathedral Cave 49.32 273 P	09 04 44.6 -0.1
X52A	Dahlonega 49.37 264 P	09 04 46.9 +1.6
S42A	Caledonia 49.38 273 P	09 04 46.0 +0.7
W50A	Signal Mountai 49.41 266 eP	09 04 46.1 +0.5
W50A	comp=Z,5.3nm,1.6s Signal Mountai 49.41 266 P	09 04 47.2 +1.6
V48A	baz=29 Smith Brothers 49.55 268 P	09 04 47.8 +1.2
T43A	Greenville 49.77 272 P	09 04 48.6 +0.3
GCMT	Greenwood 49.84 294 eP	09 04 48.6 -0.3
HRV	Holler Researc 49.85 296 eP	09 04 48.6 -0.3
W49A	Belvidere 49.87 267 P	09 04 49.2 +0.3
S41A	Jillico Farms, 49.92 273 P	09 04 49.6 +0.1
LLLB	Lillooet 49.95 306 eP	09 04 49.4 0.0
V46A	Holladay 50.02 269 P	09 04 50.0 -0.1
GOGA	baz=29 Gooley 50.24 263 P	09 04 53.0 +1.1
RLMT	Red Lodge 50.27 293 eP	09 04 51.8 -0.4
RLMT	comp=Z,5.5nm,0.9s Red Lodge 50.27 293 P	09 04 52.9 +0.7
NEW	Newport 50.38 301 eP	09 04 52.7 -0.1
NEW	Newport 50.38 301 eP	09 04 52.7 -0.1

NEW	comp=Z,5.0nm,0.8s Newport 50.38 301 P	09 04 53.0 +0.2
NEW	Newport 50.38 301 P	09 04 53.0 +0.2
Z53A	Monticello 50.40 263 P	09 04 54.2 +1.1
X49A	Woodville 50.42 266 P	09 04 54.8 +1.7
Y51A	Rockmart 50.45 265 P	09 04 53.8 +0.4
MSO	Missoula 50.50 298 eP	09 04 53.8 0.0
MSO	comp=Z,6.9nm,0.8s Missoula 50.50 298 P	09 04 54.4 +0.6
155A	baz=28 Kite 50.54 261 P	09 04 55.0 +0.9
KSU1	Kansas State U 50.56 279 P	09 04 54.0 -0.2
SEY	Seymchan 50.63 6 P	09 04 55.5 +1.8
SEY	comp=Z,5.3nm,1.0s,baz=326,slow=4.6,SNR=8.9 Seymchan 50.63 6eP	09 04 56.2 +1.8
KKAR	Karatay Array 50.72 71 eP	09 04 54.6 -0.8
KKAR	Karatay Array 50.72 71 eP	09 04 54.6 -0.8
KKAR	Karatay Array	09 04 54.6 -0.8
BOZ	comp=Z,5.0nm,0.9s Bozeman (W) 50.73 295 eP	09 04 55.0 -0.6
BOZ	comp=Z,3.3nm,0.8s Bozeman (W) 50.73 295 eP	09 04 55.0 -0.6
BOZ	Bozeman (W)	09 04 55.0 -0.6
BOZ	comp=Z,9.0nm,0.8s Bozeman (W) 50.73 295 P	09 04 56.6 +1.0
Y50A	baz=21 Piedmont 50.73 265 P	09 04 55.8 +0.3
X48A	Hartselle 50.76 267 eP	09 04 55.6 -0.2
X48A	comp=Z,4.5nm,0.9s Hartselle 50.76 267 P	09 04 56.1 +0.4
BOD	Bodaibo 50.84 31 eP	09 04 50.1 -6.0
BOD	Bodaibo	09 04 50.1 -6.0
Y49A	comp=Z,5.0nm,2.0s Blount Mountai 51.03 266 P	09 04 59.0 +1.2
X47A	Russeville 51.03 268 P	09 04 56.9 -0.9
B08A	Blount Reser 51.05 303 eP	09 04 58.1





Table with columns for station ID, name, frequency, and other details. Includes stations like MSVF, NIUE, MARNC, PINNC, etc.

Table with columns for station ID, name, frequency, and other details. Includes stations like DVHZ, OHWZ, ANWZ, POWZ, etc.

Table with columns for station ID, name, frequency, and other details. Includes stations like STKA, ARPS, COEN, HOEN, etc.

Table of astronomical observations for 2013 APR, columns 1-4. Includes stations like QSD, UGM, KKM, JOW, SBUM, etc. and objects like South Pole Qui, Wanaagama, Kota Kinabalu, etc.

Table of astronomical observations for 2013 APR, columns 5-8. Includes stations like NANT, XAN, UMPA, SEY, etc. and objects like Nan, Xi'an, Umpang Tak, etc.

Table of astronomical observations for 2013 APR, columns 9-12. Includes stations like SFJD, SUGC, ARU, etc. and objects like Kangerlussuaq, Summit, Arti, etc.













N55A	Marion Center	138.34 289	P	PKIKP	11 20 48.7 +0.5
L55A	Hinsdale	138.37 292	P	PKIKP	11 20 48.9 +0.6
U55A	TA2, Sparta	138.37 283	P	PKIKP	11 20 48.8 +0.3
O55A	Ligonier	138.38 289	P	PKIKP	11 20 49.2 +0.9
M55A	Ridgway	138.39 291	P	PKIKP	11 20 48.4 +0.1
I55A	Frankford	138.40 295	P	PKIKP	11 20 48.4 +0.2
D54A	Lac Fusel, La	138.40 299	P	PKIKP	11 20 47.9 -0.2
T55A	Pulaski	138.41 284	P	PKIKP	11 20 49.2 +0.7
Z54A	Sparta	138.42 277	P	PKIKP	11 20 49.2 +0.6
PEMO	Pembroke	138.47 297	P	PKIKP	11 20 48.5 +0.2
Q55A	Buckhannon	138.55 286	P	PKIKP	11 20 48.5 -0.3
Y54A	Tignall	138.56 278	P	PKIKP	11 20 48.9 +0.1
E54A	Lac Daplat, Po	138.60 298	P	PKIKP	11 20 49.9 +1.4
X54A	Belton	138.61 279	P	PKIKP	11 20 48.7 -0.3
353A	Camilla	138.64 274	P	PKIKP	11 20 48.9 -0.2
WLVO	Wesleyville	138.82 294	P	PKIKP	11 20 49.8 +0.8
552A	Lynn Haven	138.90 272	P	PKIKP	11 20 49.9 +0.3
E53A	Dumoine, Ponti	138.91 298	P	PKIKP	11 20 49.3 +0.1
U54A	Nelsons Funny	138.96 282	P	PKIKP	11 20 49.4 -0.3
GOGA	Godfrey	138.97 277	P	PKIKP	11 20 49.3 -0.4
P54A	Burton	139.04 287	P	PKIKP	11 20 50.3 +0.6
M54A	Oil Creek Stat	139.04 290	P	PKIKP	11 20 50.2 +0.6
O54A	Avella	139.15 288	P	PKIKP	11 20 50.8 +0.9
Y53A	Monroe	139.24 278	P	PKIKP	11 20 50.4 +0.1
X53A	Estanolle	139.29 279	P	PKIKP	11 20 50.5 +0.1
V53A	Saluda	139.38 281	P	PKIKP	11 20 50.9 +0.3
W53A	Cullowhee	139.45 280	P	PKIKP	11 20 50.8 0.0
D52A	ZEK Kipawa Sen	139.54 299	P	PKIKP	11 20 50.9 +0.5
Q53A	Leroy	139.56 286	P	PKIKP	11 20 50.9 +0.1
Z52A	Williamson	139.59 276	P	PKIKP	11 20 50.8 -0.2
152A	Waverly Hall	139.60 275	P	PKIKP	11 20 51.0 0.0
Y52A	Liburn	139.61 277	P	PKIKP	11 20 51.0 0.0
P53A	Whipple	139.67 287	P	PKIKP	11 20 51.5 +0.6
N53A	Lisbon	139.68 289	P	PKIKP	11 20 51.8 +0.8
R53A	Hurricane	139.70 285	P	PKIKP	11 20 51.1 +0.1
X52A	Dahlonaga	139.78 279	P	PKIKP	11 20 51.2 -0.1
V52A	Sevierville	140.03 280	P	PKIKP	11 20 51.9 +0.1
U52A	Thorn Hill	140.07 281	P	PKIKP	11 20 52.4 +0.5
E51A	G1948 Merrick	140.18 298	P	PKIKP	11 20 52.6 +0.8
O52A	Adamsville	140.19 287	P	PKIKP	11 20 52.7 +0.7
D51A	Lot 18 Range I	140.21 299	P	PKIKP	11 20 52.6 +0.9
Z51A	Franklin	140.22 276	P	PKIKP	11 20 52.8 +0.5
M51A	Chesterland	140.27 290	P	PKIKP	11 20 52.7 +0.6
Y51A	Rockmart	140.38 277	P	PKIKP	11 20 53.1 +0.5
X51A	Calhoun	140.49 278	P	PKIKP	11 20 53.5 +0.7
W51A	Cleveland	140.65 279	P	PKIKP	11 20 53.7 +0.6
E50A	Elginfield	140.68 292	P	PKIKP	11 20 53.4 +0.5
T50A	Gray	140.71 282	P	PKIKP	11 20 53.5 +0.3
BWLO	Walkerton	140.78 294	P	PKIKP	11 20 53.7 +0.6
P51A	Williamsport	140.90 286	PFAKE LR		11 21 00.0 +6.6
349A	Repton	140.91 272	P	PKIKP	11 20 54.1 +0.4
E50A	Wahnapitae	141.00 297	P	PKIKP	11 20 53.7 +0.3
RES	Resolute Bay	141.04 344	ePKPdf	PKIKP	11 20 52.0 -0.7
X50B	Fort Payne	141.05 277	P	PKIKP	11 20 53.9 0.0
Y49A	Blount Mountai	141.39 276	P	PKIKP	11 20 54.8 +0.1
L50A	Kingsville	141.45 290	P	PKIKP	11 20 55.1 +0.6
W49A	Belvidere	141.77 278	P	PKIKP	11 20 55.6 +0.2
X48A	Hartselle	142.11 277	ePKPdf	PKIKP	11 20 52.8 -0.3
V48A	Smith Brothers	142.43 279	ePKPdf	PKIKP	11 20 46.9
WCI	Wyandotte Cave	142.89 283	ePKPpre	PKIKP	11 20 49.9
WCI	Wyandotte Cave	142.89 283	ePKPpre	PKIKP	11 20 49.1
T47A	Sharon Grove	143.09 281	ePKPpre	PKIKP	11 20 50.5
PLAL	Pickwick Lake	143.09 277	ePKPdf	PKIKP	11 20 55.0 +0.1
WWT	Waverly	143.33 279	ePKPpre	PKIKP	11 20 51.2
WYT	Waverly	143.33 279	ePKPpre	PKIKP	11 20 51.2
USIN	University of	143.85 288	ePKPpre	PKIKP	11 20 53.1
M46A	Old House Fiel	143.85 288	ePKPpre	PKIKP	11 20 53.5
OXF	Oxford	143.93 275	ePKPdf	PKIKP	11 20 56.2 -0.1
P45A	Graceand, Par	144.37 284	ePKPdf	PKIKP	11 20 54.3 -0.8
HALT	Halls	144.40 278	ePKPdf	PKIKP	11 20 54.9 -0.4
GLAT	Glass	144.48 278	ePKPdf	PKIKP	11 20 55.1 -0.5
M45A	Boilermakers S	144.50 288	P	PKIKP	11 20 54.3 -1.2
O45A	Potomac	144.55 286	P	PKIKP	11 20 54.7 -1.0
N45A	Kentland	144.55 287	P	PKIKP	11 20 54.8 -0.9
E44A	Grand Marais A	144.56 297	P	PKIKP	11 20 55.5 -0.1
F44A	Big Bay de Noc	144.81 296	P	PKIKP	11 20 55.8 -0.8
U44A	Portageville	144.87 279	P	PKIKP	11 20 55.8 -1.2
SIUC	Southern Illin	144.91 281	ePKPdf	PKIKP	11 20 56.9 -0.2
GNAR	Gosnell	144.93 277	ePKPdf	PKIKP	11 20 57.7 +0.4
S44A	Carbondale	144.94 281	P	PKIKP	11 20 56.5 -0.7
PARMO	Parma	144.97 279	ePKPdf	PKIKP	11 20 57.0 -0.4
R44A	Waltonville	144.98 282	P	PKIKP	11 20 56.6 -0.8
N44A	Piper City	145.00 286	P	PKIKP	11 20 56.6 -0.7
X44A	Sand Creek, Wi	145.00 284	P	PKIKP	11 20 56.5 -0.9
P43A	Marvell	145.05 275	ePKPbc	PKIKP	11 20 57.8 +0.1
X43A	Marvell	145.05 275	P	PKIKP	11 20 56.8 -0.9
O44A	Mansfield	145.07 285	P	PKIKP	11 20 57.0 -0.6
M44A	Midewin, Midew	145.08 287	ePKPbc	PKIKP	11 20 57.4 -0.2

M44A	Midewin, Midew	145.08 287	P	PKPbc	11 20 56.7 -0.9
Q44A	Meyer Farm, Va	145.13 283	ePKPbc	PKPbc	11 20 57.5 -0.3
Q44A	Meyer Farm, Va	145.13 283	P	PKPbc	11 20 56.9 -0.9
L44A	Lake County Fo	145.17 289	P	PKPbc	11 20 57.3 -0.5
E43A	Lone Tree Farm	145.26 296	ePKPbc	PKPbc	11 20 58.2 +0.2
E43A	Lone Tree Farm	145.26 296	P	PKPbc	11 20 57.7 -0.4
HBAR	Harrisburg	145.27 276	ePKPbc	PKPbc	11 20 58.4 0.0
F43A	Flat Rock, Esc	145.31 295	P	PKPbc	11 20 58.0 -0.2
CCAR	Cane Creek	145.50 273	ePKPdf	PKPbc	11 20 59.4 +0.2
S43A	Fulton Ridge	145.51 280	P	PKPbc	11 20 58.5 -0.5
T43A	Greenville	145.52 279	P	PKPdf	11 20 58.5 -0.5
H43A	Windswept, Lux	145.52 293	P	PKPdf	11 20 58.8 0.0
PBMO	Poplar Bluff	145.52 279	ePKPdf	PKPdf	11 20 58.9 -0.2
K43A	Burlington	145.58 289	ePKPdf	PKPbc	11 20 59.5 +0.3
K43A	Burlington	145.58 289	P	PKPdf	11 20 58.7 -0.3
G43A	Wallace	145.59 294	ePKPdf	PKPbc	11 20 59.2 +0.1
G43A	Wallace	145.59 294	P	PKPdf	11 20 58.3 -0.5
Q43A	New Douglas	145.65 283	P	PKPdf	11 20 58.8 -0.4
I43A	Langenfeld Bro	145.68 292	P	PKPdf	11 20 59.1 0.0
P43A	Skaggs, Pawnee	145.72 284	P	PKPdf	11 20 59.2 -0.1
O43A	Stutzman Farm	145.73 285	P	PKPdf	11 20 58.8 -0.5
M43A	Waltham Townsh	145.76 287	P	PKPdf	11 20 58.7 -0.6
L43A	Garden Prairie	145.77 288	P	PKPdf	11 20 59.0 -0.3
J43A	Natural Harves	145.78 291	P	PKPdf	11 20 59.5 +0.2
HDIL	Hopedale	145.79 285	ePKPdf	PKPbc	11 20 59.9 0.0
HDIL	Hopedale	145.79 285	P	PKPdf	11 20 59.1 -0.3
N43A	Stutzman Farm	145.79 286	P	PKPdf	11 20 59.0 0.0
E42A	Champion	145.90 296	P	PKPdf	11 20 59.1 -0.3
FVM	French Village	145.91 281	ePKPdf	PKPbc	11 21 00.6 +0.2
SLM	Saint Louis	145.96 282	ePKP2	PKPbc	11 21 00.5 0.0
SLM	Saint Louis	145.96 282	P	PKPdf	11 20 59.9 +0.4
F42A	Maple Grove Fa	145.97 295	P	PKPdf	11 20 59.9 +0.4
Z41A	Richland Creek	146.02 272	ePKPdf	PKPdf	11 21 00.5 +0.6
Z41A	Richland Creek	146.02 272	P	PKPdf	11 21 00.3 +0.4
H42A	Shiocton	146.06 293	ePKPdf	PKPbc	11 21 00.8 +0.1
H42A	Shiocton	146.06 293	P	PKPdf	11 20 59.9 +0.2
G42A	Mountain	146.10 294	ePKPdf	PKPbc	11 21 00.6 -0.1
G42A	Mountain	146.10 294	P	PKPdf	11 21 00.2 +0.5
S42A	Caledonia	146.12 280	P	PKPdf	11 21 00.6 +0.5
I42A	Draeger Farm,	146.23 291	ePKPdf	PKPdf	11 21 00.5 +0.4
I42A	Draeger Farm,	146.23 291	P	PKPdf	11 21 00.3 +0.3
UALR	University of	146.26 274	ePKPdf	PKPbc	11 21 01.4 -0.1
Q42A	Golden Eagle	146.26 282	P	PKPbc	11 21 01.0 -0.4
J42A	Columbus	146.27 290	P	PKPbc	11 21 01.1 -0.2
R42A	Lumbering	146.28 281	P	PKPbc	11 21 01.2 -0.3
O42A	Bath	146.28 285	P	PKPbc	11 21 01.1 -0.3
P42A	Winchester	146.31 283	ePKPdf	PKPdf	11 21 01.0 +0.7
P42A	Winchester	146.31 283	P	PKPdf	11 21 00.9 +0.6
K42A	Prairie Point,	146.33 289	P	PKPbc	11 21 01.2 -0.3
W41B	Gary Mavity, V	146.34 275	ePKPdf	PKPdf	11 21 01.0 +0.5
W41B	Gary Mavity, V	146.34 275	P	PKPdf	11 21 01.1 +0.7
M42A	Sheffield	146.35 287	P	PKPdf	11 21 01.0 +0.7
N42A	Yates City	146.40 286	P	PKPbc	11 21 01.3 -0.5
L42A	Oliver, Polo	146.40 288	ePKPdf	PKPbc	11 21 01.9 +0.2
L42A	Oliver, Polo	146.40 288	P	PKPbc	11 21 01.5 -0.2
WHAR	Woolly Hollow	146.41 275	ePKPdf	PKPdf	11 21 01.1 +0.5
D41A	Chassel	146.42 297	ePKPdf	PKPbc	11 21 02.0 +0.5
D41A	Chassel	146.42 297	P	PKPbc	11 21 01.8 +0.2
WLAR	White Oak Lake	146.43 272	ePKPdf	PKPbc	11 21 01.6 -0.4
U41A	Viola	146.50 277	P	PKPdf	11 21 01.1 +0.3
X40A	Basin Creek Fa	146.53 274	ePKPdf	PKPbc	11 21 01.8 -0.5
X40A	Basin Creek Fa	146.53 274	P	PKPbc	11 21 01.0 +0.2
CCM	Cathedral Cave	146.54 280	ePKPdf	PKPbc	11 21 02.2 0.0
CCM	Cathedral Cave	146.54 280	P	PKPbc	11 21 02.3 0.0
CCM	Cathedral Cave	146.54 280	P	PKPbc	11 21 02.1 -0.2
G41A	Antigo	146.62 294	P	PKPbc	11 21 01.8 -0.5
E41A	Kenton	146.63 296	P	PKPbc	11 21 01.9 -0.3
F41A	Three Lakes	146.64 295	ePKPdf	PKPbc	11 21 01.9 -0.4
F41A	Three Lakes	146.64 295	P	PKPbc	11 21 01.8 -0.5
COWI	Conover	146.71 285	ePKPdf	PKPbc	11 21 02.4 -0.1
R41A	Rosebud	146.72 281	P	PKPbc	11 21 02.1 -0.6
S41A	Jillico Farms,	146.78 279	P	PKPbc	11 21 02.7 -0.3
Q41A	Truxton	146.80 282	P	PKPbc	11 21 02.7 -0.2
NATX	Nacogdoches	146.80 268	ePKPbc	PKPbc	11 21 03.4 +0.2
COLD	Coldfoot	146.80 268	P	PKPbc	11 21 02.2 +0.8
O41A	Pasleys Farm,	146.85 284	P	PKPbc	11 21 02.5 -0.6
HKT	Hockley	146.86 264	ePKPdf	PKPbc	11 21 03.0 -0.3
HKT	Hockley	146.86 264	ePKP2	PKPbc	11 21 03.5 +0.2
HKT	Hockley	146.86 264	pmx	PKPbc	11 21 03.5 +0.2
H41A	Barry, Barry	146.87 283	P	PKPbc	11 21 02.6 -0.5
H41A	Barry, Barry	146.87 283	ePKPdf	PKPbc	11 21 02.7 -0.3
H41A	Barry, Barry	146.87 283	P	PKPbc	11 21 02.5 -0.5
LNIG	Linares	146.88 253	ePKPdf	PKPdf	11 21 02.1 +0.4
C40A	Isle Royale Na	146.88 299	P	PKPbc	11 21 02.6 -0.3
M41A	Milan	146.90 286	P	PKPbc	11 21 02.7 -0.5
J41A	Loganville	146.92 290	P	PKPbc	11 21 02.9 -0.2
I41A	Arkdale	146.94 291	P	PKPbc	11 21 02.7 -0.4
N41A	Harden Midland	146.98 285	ePKPdf	PKPbc	11 21 02.9 -0.3
N41A	Harden Midland	146.98 285	P	PKPbc	11 21 03.1 -0.3
K41A	Shullsburg	146.99 289	P	PKPbc	11 21 03.3 -0.1
JFWS	Jewell Farm	147.01 289	ePKPdf	PKPbc	11 21 02.9 -0.5
JFWS	Jewell Farm				

CBKS Cedar Bluff	153.16 278	ePKIKP	PKPdf	11 21 11.4	+0.1
CBKS Cedar Bluff	153.16 278	e	PKPdf	11 21 18.9	
CBKS Cedar Bluff	153.16 278	e	PKPdf	11 21 30.7	
CBKS Cedar Bluff	153.16 278	P	PKPbc	11 21 18.2	-0.5
AMTXX Amarillo	153.44 269	ePKPbc	PKPbc	11 21 19.6	+0.2
AMTXX Amarillo	153.44 269	P	PKPbc	11 21 19.2	-0.2
SUSD Miller	153.47 291	P	PKPdf	11 21 09.7	-1.8
EPYK Eagle Plains	153.87 2	ePKPdf	PKPdf	11 21 10.3	-1.0
EPYK Eagle Plains	153.87 2	ePKPbc	PKPdf	11 21 18.8	-0.5
EPYK Eagle Plains	153.87 2	P	PKPdf	11 21 10.4	-1.0
MDND Maddock	153.91 298	ePKPbc	PKPbc	11 21 19.7	-0.3
MDND Maddock	153.91 298	ePKPab	PKPab	11 21 33.8	+0.5
MDND Maddock	153.91 298	LR	PKPdf	11 21 11.0	-1.0
MDND Maddock	153.91 298	P	PKPdf	11 21 20.3	-0.2
MDND Maddock	153.91 298	P	PKPbc	11 21 34.3	+0.4
MDND Maddock	153.91 298	P	PKPdf	11 21 10.8	-1.8
FFC Flin Flon	153.95 315	PFAKE	LR	11 21 20.0	+0.2
FFC Flin Flon	153.95 315	iPKIKP	PKPbc	11 21 19.3	-0.5
PRP Porcupine Dome	154.00 10	ePKPbc	PKPbc	11 21 19.6	-0.1
POKR Poker Flat Res	154.08 12	P	PKPdf	11 21 11.0	-0.6
MDM Murphy Dome	154.09 13	ePKPbc	PKPbc	11 21 19.3	-0.5
MDM Murphy Dome	154.09 13	ePKPab	PKPab	11 21 33.7	+0.2
COLA College	154.24 13c	iPKIKP	PKPbc	11 21 19.8	-0.2
COLA College	154.24 13c	PKPbc	PKPbc	11 21 19.8	-0.2
BP3W Bear Paw Mtn.	154.32 17	ePKPbc	PKIKP	11 21 21.2	+0.8
BP3W Bear Paw Mtn.	154.32 17	ePKPab	PKPab	11 21 34.8	+0.3
IL1 Eielson Array	154.49 12	ePKPbc	PKPbc	11 21 19.6	-1.1
IL1 Eielson Array	154.49 12	ePKPab	PKPab	11 21 34.8	+0.3
ILAR Eielson Array	154.49 12	PKP	PKPdf	11 21 10.8	-1.5
ILAR Eielson Array	154.49 12	PKPbc	PKPbc	11 21 19.6	-1.1
ILAR Eielson Array	154.49 12	PKPab	PKPab	11 21 33.5	-1.7
ILB Eielson Array	154.49 12	ePKPab	PKPab	11 21 34.9	-0.3
WRH Wood River Hill	154.56 14	ePKPdf	PKPdf	11 21 10.9	-1.4
WRH Wood River Hill	154.56 14	ePKPbc	PKPbc	11 21 20.4	-0.3
BWN Browne	154.57 15	PFAKE	LR	11 21 20.0	-0.8
YKA Yellowknife Ar	154.74 338	PKP	PKPdf	11 21 11.2	-1.4
YKA Yellowknife Ar	154.74 338	PKPbc	PKPbc	11 21 20.4	-0.8
YKA Yellowknife Ar	154.74 338	PKPab	PKPab	11 21 33.9	-2.3
YKA Yellowknife Ar	154.74 338	PKP	PKP	11 25 16.4	+4.4
HDA Harding Lake	154.82 13	ePKPbc	PKPbc	11 21 22.5	+1.1
HDA Harding Lake	154.82 13	ePKPab	PKPab	11 21 33.0	+0.3
MNTX Cornudas Mount	154.92 259	ePKPdf	PKPdf	11 21 15.0	+1.1
MNTX Cornudas Mount	154.92 259	ePKPab	PKPab	11 21 39.1	+1.0
MNTX Cornudas Mount	154.92 259	P	PKPdf	11 21 13.3	-0.6
TRF Thorofare Moun	155.04 17	ePKPbc	PKPdf	11 21 22.1	+8.9
TRF Thorofare Moun	155.04 17	ePKPab	PKPab	11 21 37.5	-0.2
PPLA Purkeypille	155.07 19	ePKPdf	PKPdf	11 21 14.4	+1.1
PPLA Purkeypille	155.07 19	ePKPbc	PKPbc	11 21 21.8	-3.3
PPLA Purkeypille	155.07 19	ePKPab	PKPab	11 21 38.5	+0.7
EGAK Eagle	155.21 7	ePKPdf	PKPdf	11 21 13.1	-0.1
OGNE Ogallala	155.33 282	P	PKPdf	11 21 13.8	-0.4
RND Reindeer	155.38 15	ePKPbc	PKPdf	11 21 23.5	+1.0
RND Reindeer	155.38 15	ePKPab	PKPab	11 21 39.9	+0.1
KSCO Kaye Shedlock	155.40 277	P	PKPdf	11 21 13.7	-0.8
SVW2 Sparrevohn	155.54 25	ePKPdf	PKPdf	11 21 15.4	+1.6
SVW2 Sparrevohn	155.54 25	ePKPab	PKPab	11 21 41.7	-1.0
SCFK Sand Creek	155.67 10	ePKPab	PKPab	11 21 40.5	+0.2
T25A Trinidad	156.27 272	ePKPab	PKPdf	11 21 44.4	+0.5
T25A Trinidad	156.27 272	P	PKPdf	11 21 15.4	+0.4
SUA Susitna One	156.64 20	ePKPab	PKPab	11 21 44.3	-0.3
MENT Mentasta	156.70 11	ePKPdf	PKPdf	11 21 16.5	+1.2
MENT Mentasta	156.70 11	ePKPab	PKPab	11 21 45.5	+0.8
MENT Mentasta	156.70 11	P	PKPdf	11 21 30.0	+1.4
DGMT Dagmar	156.90 301	PFAKE	LR	11 21 30.0	+1.4
DGMT Dagmar	156.90 301	P	PKPdf	11 21 16.8	+0.8
PMR Palmer	156.93 18	ePKPdf	PKPdf	11 21 15.8	+0.3
PMR Palmer	156.93 18	ePKPab	PKPab	11 21 46.5	+0.9
PMR Palmer	156.93 18	ePKIKP	PKPdf	11 21 15.8	+0.3
HARP HAARP	156.98 13	ePKPdf	PKPdf	11 21 15.9	+0.2
RSSD Black Hills	157.10 290	PFAKE	LR	11 21 47.0	+1.1
RSSD Black Hills	157.10 290	P	PKPdf	11 21 30.0	+1.3
RSSD Black Hills	157.10 290	P	PKPdf	11 21 17.4	+0.8
ANMO Albuquerque	157.11 265	P	PKPdf	11 21 16.7	-0.3
121A Cookes Peak, D	157.11 259	P	PKPdf	11 21 17.4	+0.4
TASM ASL Pad, Albuq	157.11 265	P	PKPdf	11 21 16.7	-0.3
TASM ASL Pad, Albuq	157.11 265	P	PKPdf	11 21 16.7	-0.3
Y22D IRIS PASSCAL I	157.12 263	P	PKPdf	11 21 16.9	0.0
RC01 Rabbit Creek A	157.22 19	ePKPab	PKPab	11 21 47.2	+0.3
KNK Knik Glacier	157.24 17	PFAKE	LR	11 21 30.0	+1.4
SDCO Great Sand Dun	157.27 273	ePKPab	PKPab	11 21 49.2	+0.8
SDCO Great Sand Dun	157.27 273	P	PKPdf	11 21 16.9	-0.3
HSIG Douglas	157.56 254	ePKPdf	PKPdf	11 21 30.0	+1.3
319A KLU Klutina	157.70 14	PFAKE	LR	11 21 18.4	+0.7
319A KLU Klutina	157.70 14	PFAKE	LR	11 21 51.2	+2.2
319A KLU Klutina	157.70 14	PFAKE	LR	11 21 30.0	+1.3
ISCO Idaho Springs	157.83 278	PFAKE	LR	11 21 30.0	+1.2
ISCO Idaho Springs	157.83 278	P	PKPdf	11 21 17.2	-0.7
PHWY Pilot Hill	157.94 282	ePKPdf	PKPdf	11 21 17.1	-0.8
N23A Red Feather La	158.25 281	ePKPab	PKPab	11 21 52.0	+0.8
N23A Red Feather La	158.25 281	ePKPab	PKPab	11 21 53.5	+1.0
N22A Red Feather La	158.25 281	P	PKPdf	11 21 17.4	-0.9
222A 4UR Ranch, Cre	158.29 272	ePKPab	PKPab	11 21 53.3	+0.5
S22A 4UR Ranch, Cre	158.29 272	P	PKPdf	11 21 17.7	-0.7
LAO LASA Array	158.51 297	PFAKE	LR	11 21 30.0	+1.2
LAO LASA Array	158.51 297	P	PKPdf	11 21 18.1	0.0
SMCO Snowmass	158.74 276	ePKPab	PKPab	11 21 55.6	+0.8
K22A Casper	158.85 286	PFAKE	LR	11 21 30.0	+1.1
K22A Casper	158.85 286	P	PKPdf	11 21 30.0	+1.2

KDAC comp=Z,400nm,20.0s	LR	LR			
TUC Tucson	159.23 255	ePKPdf	PKPdf	11 21 20.0	+0.6
TUC Tucson	159.23 255	ePKIKP	PKPdf	11 21 20.0	+0.6
TUC Tucson	159.23 255	P	PKPdf	11 21 19.7	+0.3
RWWY Rawlins	159.29 283	ePKPab	PKPab	11 21 57.1	+0.2
HYT Haines Junctio	159.39 4	ePKPab	PKPab	11 21 57.0	+0.5
MVCO Mesa Verde	159.42 270	ePKPdf	PKPdf	11 21 20.0	+0.3
MVCO Mesa Verde	159.42 270	ePKPab	PKPab	11 21 57.4	-0.2
MVCO Mesa Verde	159.42 270	LR	PKPdf	11 21 19.5	-0.2
X18A Snowflake	159.60 261	ePKPdf	PKPdf	11 21 20.9	+0.9
X18A Snowflake	159.60 261	ePKPab	PKPab	11 21 57.9	-0.4
W18A Petrified Fore	159.66 263	P	PKPdf	11 21 19.5	-0.6
O20A White River Ci	159.87 278	P	PKPdf	11 21 19.6	-0.5
O21A Organ Pipe Nat	160.54 251	P	PKPdf	11 21 20.6	-0.2
EGMT Eagleton	160.62 302	ePKPdf	PKPdf	11 21 20.1	-0.5
EGMT Eagleton	160.62 302	ePKPab	PKPab	11 22 02.7	+0.4
EGMT Eagleton	160.62 302	P	PKPdf	11 21 20.5	0.0
X16A Lo Mia Camp, P	160.68 260	ePKPdf	PKPdf	11 21 21.6	+0.5
X16A Lo Mia Camp, P	160.68 260	ePKPab	PKPab	11 22 04.3	+1.2
RLMT Red Lodge	160.79 293	ePKPdf	PKPdf	11 21 19.8	-1.2
RLMT Red Lodge	160.79 293	P	PKPdf	11 21 20.7	-0.3
WUAZ Wupatki	161.06 263	ePKPdf	PKPdf	11 21 22.5	+1.0
WUAZ Wupatki	161.06 263	ePKPab	PKPab	11 22 03.4	-1.3
WUAZ Wupatki	161.06 263	P	PKPdf	11 21 21.9	+0.4
BW06 Boulder Array	161.09 286	ePKPdf	PKPdf	11 21 19.4	-2.0
BW06 Boulder Array	161.09 286	P	PKPdf	11 21 19.9	+0.5
PD31 Pinedale Array	161.09 286	ePKPdf	PKPdf	11 21 19.7	-1.7
PD31 Pinedale Array	161.09 286	ePKPab	PKPab	11 22 04.6	-0.2
PD31 Pinedale Array	161.09 286	ePP	PKPdf	11 25 52.8	+4.4
PDAR Pinedale Array	161.09 286	PKP	PKPdf	11 21 19.2	-2.2
PDAR Pinedale Array	161.09 286	PKPab	PKPab	11 22 02.6	-2.1
PDAR Pinedale Array	161.09 286	PKP	PKP	11 25 52.8	+4.4
SRU San Rafael Swe	161.43 274	ePKPdf	PKPdf	11 21 21.6	-0.2
SRU San Rafael Swe	161.43 274	ePKPab	PKPab	11 22 06.0	-0.3
SRU San Rafael Swe	161.43 274	ePKIKP	PKPdf	11 21 21.6	-0.2
H17A Grant Village	161.78 291	P	PKPdf	11 21 21.9	-0.2
LOHW Long Hollow	161.85 288	ePKPdf	PKPdf	11 21 20.9	-1.3
LOHW Long Hollow	161.85 288	ePKPab	PKPab	11 21 47.4	-0.6
MOOW Moose Ponds	161.95 289	ePKPdf	PKPdf	11 21 21.4	-0.9
MOOW Moose Ponds	161.95 289	ePKPab	PKPab	11 22 09.1	+0.7
SNOW Snow King Moun	161.97 288	ePKPdf	PKPdf	11 21 21.5	-0.8
SNOW Snow King Moun	161.97 288	ePKPab	PKPab	11 22 09.9	+1.3
REDW Red Top Meadow	162.04 288	ePKPdf	PKPdf	11 21 21.5	-0.7
REDW Red Top Meadow	162.04 288	ePKPab	PKPab	11 22 09.1	+0.2
U15A North Rim	162.07 265	ePKPdf	PKPdf	11 21 23.1	+0.4
U15A North Rim	162.07 265	ePKPab	PKPab	11 22 10.5	+1.2
IMW Indian Meadow	162.08 289	ePKPdf	PKPdf	11 21 22.0	-0.5
IMW Indian Meadow	162.08 289	ePKPab	PKPab	11 22 10.4	+1.3
TPWV Teton Pass	162.11 288	ePKPdf	PKPdf	11 21 21.5	-1.0
TPWV Teton Pass	162.11 288	ePKPab	PKPab	11 22 08.9	-0.3
FKWY Fox Creek	162.16 288	ePKPdf	PKPdf	11 21 21.9	-0.5
AHID Auburn Hatcher	162.23 286	ePKPdf	PKPdf	11 21 21.8	-0.7
AHID Auburn Hatcher	162.23 286	ePKPab	PKPab	11 22 09.3	-0.3
HRY Holter Research	162.31 299	ePKPab	PKPab	11 22 10.7	+0.9
BOZ Bozeman (W)	162.38 295	ePKPab	PKPab	11 22 10.3	+0.1
BOZ Bozeman (W)	162.38 295	ePKIKP	PKPdf	11 22 10.3	-0.4
BOZ Bozeman (W)	162.38 295	P	PKPdf	11 21 21.6	-0.9
HWUT Hardware Ranch	162.54 282	ePKPdf	PKPdf	11 21 22.1	-0.7
HWUT Hardware Ranch	162.54 282	ePKPab	PKPab	11 22 11.2	+0.1
GLA Glamis	162.56 252	P	PKPdf	11 21 22.9	-0.1
PDMO Peridot Dam,Lak	162.65 256	P	PKPdf	11 21 23.2	+0.3
W13C Blythe	162.68 254	P	PKPdf	11 21 23.2	+0.3
W13C Blythe	162.68 254	ePKPab	PKPab	11 22 13.5	+1.1
LR1M Hualapai Mount	162.79 259	ePKPab	PKPab	11 21 22.8	-0.4
LR1M Hualapai Mount	162.79 259	ePKPab	PKPab	11 21 22.8	-0.4
DLMT Dillon	163.09 295	ePKPdf	PKPdf	11 21 23.0	-0.2
SWSC Sam W. Stewart	163.21 250	P	PKPdf	11 21 23.9	+0.4
CCUT Cedar City	163.23 267	ePKPdf	PKPdf	11 21 25.2	+1.5
CCUT Cedar City	163.23 267	ePKPab	PKPab	11 22 15.5	+1.2
IKP In-Ko-Pah, Jac	163.28 249	P	PKPdf	11 21 22.7	-1.0
BC3 Big Chugwater	163.31 253	P	PKPdf	11 21 22.7	-1.0
DUG Dugway, Tooele	163.35 277	ePKPdf	PKPdf	11 21 24.2	+0.6
DUG Dugway, Tooele	163.35 277	P	PKPdf	11 21 23.9	+0.3
MONPN Monument Peak	163.63 249	P	PKPdf	11 21 24.2	-0.1
M50 Missoula	163.68 300	ePKPdf	PKPdf	11 21 23.7	0.0
M50 Missoula	163.68 300	ePKPab	PKPab	11 22 15.5	-0.3
M50 Missoula	163.68 300	P	PKPdf	11 21 23.3	-0.4
LDFC Landfair	163.70 257	ePKPab	PKPab	11 21 21.9	+1.6
BELC Belle Mtn. Jos	163.88 253	P	PKPdf	11 21 24.3	0.0
GMRC Granite Mounta	163.99 256	P	PKPdf	11 21 25.3	+0.9
PFO Pinyon Flats O	164.02 251	P	PKPdf	11 21 24.7	+0.2
109C Camp Elliot, M	164.11 248	P	PKPdf	11 21 24.8	+0.5
SHPR Sheep Range	164.28 262	ePKPab	PKPab	11 22 18.9	+0.1
HLID Healey	164.62 289	ePKPab	PKPab	11 22 21.1	+0.9
BBRC Big Bear Solar	164.68 252				

Table with columns: PBD3, comp, Station Name, Az, El, Pn, Time, Res. Includes stations like IAML, Pn, P, S, and various frequency bands.

MEX 02 11:04:20.7-0.4, 17.53N:100.94W, h2km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like ZIIG, CAIG, ARIG, MEIG.

JMA 02 11:15:34.6, 37.66N:141.34E, h58km, 1km, M3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like JFK, JMM, JIKH, ONAJ, JIO, JFT, JOU, JYS, JMK, JFY, JYK, MAT.

ISCJB 02 11:18:27.0-0.3, 9.55S:102.123, 65E, 0.03, h109km, 3km, mb4.4/25, Error ellipse: s-maj=5.3km s-min=3.5km az=155.4

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like SOEI, BATI, BATI, MMRI, EDFI, BAFI, BBSI, BAKI, BAKI, ARSB.

Main table with columns: PLAI, KAPI, BNSI, SPSI, SAUI, SANI, MTN, LUWI, FITZ, FITZ, FITZ, APSI, JAGI, PSAD, MRSI, MPSI, FAKI, MBWA, PSAD, PSAC, PSAC, PSAB, PSAA, PSAA, PSAD, PSAB, PSAC, PSAD, UGM, WRM, WRA, WRA, WRAB, WRAB, WB2, WB2, CISI, GIRL, AS31, AS31, ASAR, ASAR, ASAR, COEN, COEN, FORW, FORW, NWA0, NWA0, CTA, CTA, BTKO, STKA, CMAR, KMI, KMI, MAJO, MJAR, ODAN, TAPN, RAMN, HHC, HHC, HHC, JIRN, PUN, PUN, GTA, GTA, GTA, KOLN, DANN, ERM, PYUN, SONA, SONM, WHQ, KSH, KSH, MK01, MK31, MK32, MK32, MKAR, MKAR, AAK, AAK, AAK, ARSB.

Table with columns: VDA, VDA, ZAAO, ZALV, ZALV, ZAA1, ZAA1, KKAR, KKAR, KURBB, KURBB, KURKB, KURKB, KURK, KURK, BVAR, SYO, PPT, TXAR, TXAR.

ISCJB 02 11:52:10.5, 1.0, 5.76S:0.10, 148.2E, 0.1, h100km, mb5.7, Error ellipse: s-maj=17.8km s-min=10.7km

IDC 02 11:52:11.8, 2.3, 5.79S: 148.16E, h99km, 18km, mb3.9/5, mb1.4/1.8, mb1mx3.6/39, mbtmp4.3/8, Error ellipse: s-maj=31.5km s-min=13.6km az=127.0

NEIC 02 11:52:15.2, 2.9, 6.02S: 148.06E, h104km, 14km, mb4.6/7, Error ellipse: s-maj=45.0km s-min=20.9km az=146.0

ISC 02 11:52:11.7, 1.2, 5.85S:0.1, 148.1E, 0.2, h100km, n18, r180/22, mb4.1/7, New Britain region

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like PMG, COEN, CTA, CTA, WRAB, WRAB, WB2, WB2, WRA, WRA, WRA, AS01, AS31, ASAR, ASAR, DZM, DZM, FITZ, FITZ, STKA, RAO, ILAR.

ISK 02 12:12:16.2, 37.61N:35.56E, h9km, ML2.2/7, DDA 02 12:12:17.9, 37.54N:35.59E, h8km, 2km, ML3.0

ISCJB 02 12:12:18.0, 0.4, 37.54N:0.03, 35.58E, 0.03, h10km, 4km, Error ellipse: s-maj=4.5km s-min=3.3km az=159.9

ISC 02 12:12:16.7, 1.0, 37.61N:0.03, 35.59E, 0.03, h13km, 7km, n18, r055/30, Turkey

Table with columns: Code, Station Name, Az, El, Pn, Time, Res. Includes stations like AKO, AKO, KOZT, YAHY, YAHY, SAIM, SAIM, KARA, ANDN, ANDN, CEYT, CEYT, GULE, GULE, GULE, YURE, YURE, YURE, MERSIN, MERSIN, KAMA, KAMA, KMRS, KRKS, MERS, KERK, KERK, BNN, KIZK, MEX 02 12:23:50.4-0.5, 16.03N:94.07W, h78km, 15km, MD3.9, 1D, Oaxaca





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, h, m, s, Res, ISC. Includes stations like ANM Junction City, KSU1 Kansas State U, ABTX Abilene, etc.

ISCJB 02 13:05:58.9, 0.8, 39.52N, 103.143, 41E, 0.03, h22km, 5km, mb4.5/65, MS4.1/20, Error ellipse: s-maj=5.2km s-min=3.3km az=44.6

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, h, m, s, Res, ISC. Includes stations like MIYJ Miyakonagasawa, JTH Tanohata, OFUJ Ohasama, etc.

Continuation of station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, h, m, s, Res, ISC. Includes stations like KSRS, KS01, KSAR, etc.

IDD 02 13:04:24.9, 3.1, 31.13N, 128.24E, h0km, mb3.7/4, mb1.3/9.4, mb1mx3.5/50, mbmp3.8/4, Error ellipse: s-maj=90.2km s-min=52.3km az=84.0, North of Halmahera

NIED 02 13:05:00, 39.50N, 143.50E, h17km, Mw4.4 Best double couple: M4.81000, 1015 NP1.187, 00000, 822, 00000, 1.69, 00000. NP2.30, 00000, 869, 00000, 1.98, 00000.

IDD 02 13:05:57.2, 0.5, 39.46N, 143.33E, h0km, mb4.2/25, mb1.4/32, mb1mx2.4/58, mbmp4.2/32, ML3.3/6, MS3.8/14, Ms1.3/8/14, ms1mx3.4/46, Error ellipse: s-maj=14.6km s-min=11.6km az=123.0



2013 APR

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like NRTU, FIAO, GRAU, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like JFT, ASAJ, MA2, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like MAT, MJB9, KUR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like IDC 02, FINES, HFS, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like CONA, ARSA, KRUC, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like PEAOB, PETK, PET, etc.





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CAN Canberra, BERE Berekat-Mersin, KEBE Keben-Mersin, DANN Dangsing, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ISP Isparta, LADK Ladik-KONYA, BNGS Bingli, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SRCK Sarcakaya, MRKA Markates, SIGR SIGRI, etc.







2d 14h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DPC, COI, PRU, MVO, UPC, QZH, BFO, ZSN, STU, KSP, PAVC, POLO, XAN, GRA1, GRFO, GO01, NKC, PB11, BRG, and BOD.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OBN, CLL, BVA0, BRVK, MINSK, CLF, SUW, MOS, WLF, NACGM, LPAZ, ARU, DZM, PINNC, UCC, SVE, MANU, RGN, MARNC, KIRV, NJ2, TIY, VSU, ZAA0, ZALV, and ZALV.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZALV, RABL, TIA, HHC, KLMR, PTGA, PRGR, JOW, HNR, FIA1, SONM, DSB, ULN, KONO, TMCR, TLY, NNA, DL2, MSVF, APA, LVZ, KSAR, SARIN, ATAH, AREO, CN2, KEV, HIA, SVB, INU, BOD, NRIK, MJB9, MAJO, OTAV, RKT, MTP, KLR, SJG, MPR, SPITS, and SCO.

SCO	Scoresbysund	120.55	339	P	PKIKP	14 53 47.0	+0.2
SCO	Scoresbysund	120.55	339	ePKIKP	PKPdf	14 53 45.9	-0.8
GRNR	Gorny	120.61	48	ePKIKP	PKPdf	14 53 47.0	-0.4
KBS	Kingsbay	120.65	353	PFAKE	LR	14 54 00.0	+1.3
PPT2	Papeete2	120.70	164	ePP	PP	14 55 12.2	-3.0
PPT2	Papeete2	120.71	269	eSP	SP	15 05 01.3	-3.9
PPT2	Papeete2	120.70	164	eSS	SS	15 11 43.4	-0.9
SDD	Santo Domingo	120.71	269	PFAKE	LR	14 54 00.0	+1.1
SDDR	Presas de Saban	122.07	268	PFAKE	LR	14 54 00.0	+8.6
YAK	Yakutsk	122.33	34	ePKIKP	PKPdf	14 53 48.9	-1.4
YAK	Yakutsk	122.33	34	PKIKP	PKPdf	14 53 48.9	-1.4
BCIP	Isla Barro Col	122.34	253	PFAKE	LR	14 54 00.0	+8.0
YSS	Yuzh-Sakhalins	122.63	54	ePKPdf	PKPdf	14 53 49.6	-1.8
YSS	Yuzh-Sakhalins	122.63	54	iPKIKP	PKPdf	14 53 49.0	-2.4
ANGG	Ammassalik, Gr	123.20	331	ePKPdf	PKPdf	14 53 50.9	-1.0
DAG	Danmarks Havn	123.41	346	iP	PKPdf	14 53 51.2	-0.8
DAG	Danmarks Havn	123.41	346	iPKIKP	PKPdf	14 53 51.2	-0.8
TYV	Tymovskoe	124.21	49	ePKIKP	PKPdf	14 53 54.3	0.0
TYV	Tymovskoe	124.21	49	PKIKP	PKPdf	14 53 54.3	0.0
NRS	Narsarsuaq	124.64	324	PFAKE	LR	14 54 10.0	+1.5
IVI	Ivigut	125.91	323	PFAKE	LR	14 54 10.0	+1.2
HDC	Heredia	126.01	250	PFAKE	LR	14 54 10.0	+1.1
SUMG	Summit	126.16	338	ePKPdf	PKPdf	14 53 56.5	-1.4
SUMG	Summit	126.16	338	iP	PKIKP	14 53 58.6	+0.2
SUMG	Summit	126.16	338	ePKIKP	PKPdf	14 53 56.6	-1.4
MTDJ	Mount Denham	126.37	263	PFAKE	LR	14 54 10.0	+1.0
DRLN	Deer Lake	126.70	307	PFAKE	LR	14 54 10.0	+1.0
JTS	JuntasAbangare	126.81	250	PFAKE	LR	14 54 10.0	+9.1
ESPN	Las Esperanzas	127.61	252	PFAKE	LR	14 54 10.0	+7.5
GBN	Guysborough	127.79	301	PFAKE	LR	14 54 10.0	+8.1
SFJD	Kangerlussuaq	128.60	330	PFAKE	LR	14 54 10.0	+7.2
ILULI	Ilulissat	129.26	333	ePKPdf	PKIKP	14 54 05.4	+1.3
ILULI	Ilulissat	129.26	333	ePKIKP	PKIKP	14 54 05.4	+1.3
LMN	Caledonia Moun	130.10	301	PFAKE	LR	14 54 20.0	+1.3
TGUH	Tegucigalpa,Un	131.01	252	PFAKE	LR	14 54 20.0	+1.1
GGN	Saint George	131.20	299	PFAKE	LR	14 54 20.0	+1.1
MA2	Magadan	131.31	41	PKP	PKPdf	14 54 06.7	-0.8
BATG	Bathurst New B	131.39	302	PFAKE	LR	14 54 20.0	+1.1
EMMW	East Machias	131.47	299	PFAKE	LR	14 54 20.0	+1.1
POI	Presque Isle	132.48	301	PFAKE	LR	14 54 20.0	+8.7
SEY	Seymchan	132.63	36	PKP	PKPdf	14 54 09.6	-0.4
SEY	Seymchan	132.63	36	PKP	PKPdf	14 56 32.6	-2.3
PKME	Peaks-Kenny Pk	132.88	299	PFAKE	LR	14 54 20.0	+7.9
WVL	Waterville	132.91	298	PFAKE	LR	14 54 20.0	+7.8
BCX	Boston College	133.20	294	PFAKE	LR	14 54 20.0	+7.1
061Z	Ochoppli	133.27	269	PFAKE	LR	14 54 20.0	+6.5
BRYW	Bryant College	133.31	294	PFAKE	LR	14 54 20.0	+6.8
WES	Weston	133.32	294	PFAKE	LR	14 54 20.0	+6.9
060A	Indiantown	133.47	271	PFAKE	LR	14 54 20.0	+6.1
HRV	Adam Dziewonsk	133.53	294	PFAKE	LR	14 54 20.0	+6.5
PEAOB	Petrovlovsk	133.73	50	PFAKE	LR	14 54 20.0	+6.4
PETK	Petrovlovsk	133.73	50	PKP	PKPdf	14 54 11.5	-0.9
PETK	Petrovlovsk	133.73	50	ePKPdf	PKPdf	14 54 11.0	-1.4
SCHO	Schefferville	133.80	312	PFAKE	LR	14 54 20.0	+6.3
FFD	Franklin Falls	133.91	296	PFAKE	LR	14 54 20.0	+5.7
QUA2	Belchertown	134.00	294	PFAKE	LR	14 54 20.0	+5.5
059A	Moore Haven	134.03	270	PFAKE	LR	14 54 20.0	+5.0
059A	Moore Haven	134.03	270	P	PKPdf	14 54 14.1	+0.4
YLE	Yale	134.09	292	PFAKE	LR	14 54 20.0	+5.3

YLE	Petrovlovsk	134.28	51	ePKPdf	PKPdf	14 54 13.0	-0.4
PET	Petrovlovsk	134.28	51	ePKIKP	PKPdf	14 54 13.2	-0.1
PET	Petrovlovsk	134.28	51	ePKIKP	PKPdf	14 54 16.5	0.0
PET	Petrovlovsk	134.28	51	eSS	SS	15 14 33.0	-2.0
LBNH	Lisbon	134.34	297	PFAKE	LR	14 54 20.0	+4.8
LBNH	Lisbon	134.34	297	P	PKIKP	14 54 15.3	+0.2
859A	Kempfer Cattle	134.39	272	P	PKIKP	14 54 15.3	-0.5
TULEG	Thule	134.46	343	PFAKE	LR	14 54 20.0	+5.6
PAL	Palisades	134.67	292	PFAKE	LR	14 54 30.0	+1.4
DWP	Disney Wildern	134.83	271	PFAKE	LR	14 54 30.0	+1.3
VT1	Waterbury	134.94	296	PFAKE	LR	14 54 30.0	+1.4
BRNJ	Basking Ridge	135.02	291	PFAKE	LR	14 54 30.0	+1.3
TRY	Troy	135.07	294	PFAKE	LR	14 54 30.0	+1.3
ODNJ	Ogdensburg	135.19	291	PFAKE	LR	14 54 30.0	+1.3
957A	Wimauma	135.22	270	PFAKE	LR	14 54 30.0	+1.3
957A	Wimauma	135.22	270	P	PKIKP	14 54 17.5	0.0
ACCN	Adirondack Com	135.28	295	PFAKE	LR	14 54 30.0	+1.3
658A	Bunnell	135.34	273	PFAKE	LR	14 54 30.0	+1.2
CNNC	Cliffs of the	135.40	282	PFAKE	LR	14 54 30.0	+1.2
LUPA	Lehigh Univers	135.57	291	PFAKE	LR	14 54 30.0	+1.2
FRB	Frisher Bay	135.63	324	PKP	PKPdf	14 54 15.4	-0.1
FRNY	Flat Rock	135.66	297	PFAKE	LR	14 54 30.0	+1.2
TEIG	Tepich	135.66	257	PFAKE	LR	14 54 30.0	+1.1
NCB	Newcomb	135.84	295	PFAKE	LR	14 54 30.0	+1.2
V59A	Middlesex	135.87	283	P	PKIKP	14 54 18.9	+0.4
N59A	State Game Lan	135.96	291	PFAKE	LR	14 54 30.0	+1.1
N59A	State Game Lan	135.96	291	P	PKIKP	14 54 19.4	+0.8
CCIG	Comitan	135.98	250	PFAKE	LR	14 54 30.0	+1.0
CBN	Corbin Frederi	136.17	287	PFAKE	LR	14 54 30.0	+1.1
KSPA	Keystone Colle	136.17	292	PFAKE	LR	14 54 30.0	+1.1
NHSC	New Hope	136.21	278	PFAKE	LR	14 54 30.0	+1.1
NHSC	New Hope	136.21	278	P	PKIKP	14 54 19.8	+0.5
SDMD	Soldier's Deli	136.22	288	PFAKE	LR	14 54 30.0	+1.1
LONY	Lake Ozonia	136.28	296	ePKPdf	PKPdf	14 54 17.7	+0.3
LONY	Lake Ozonia	136.28	296	P	PKIKP	14 54 19.6	+0.5
656A	Willston	136.29	272	PFAKE	LR	14 54 30.0	+1.0
U58A	Oxtong	136.35	284	P	PKIKP	14 54 19.8	+0.4
PAGS	Pennsylvania G	136.41	289	PFAKE	LR	14 54 30.0	+1.1
R58B	Mineral	136.45	286	ePKPdf	PKIKP	14 54 19.6	0.0
R58B	Mineral	136.45	286	P	PKIKP	14 54 19.6	0.0
357A	Townsend	136.46	276	P	PKIKP	14 54 19.9	0.0
556A	Lake Butler	136.49	273	P	PKIKP	14 54 20.0	0.0
BINY	Binghamton	136.53	292	PFAKE	LR	14 54 30.0	+1.0
BINY	Binghamton	136.53	292	P	PKIKP	14 54 20.1	+0.4
456A	Hilliard	136.54	274	PFAKE	LR	14 54 30.0	+1.0
456A	Hilliard	136.54	274	P	PKIKP	14 54 20.1	+0.1
T58A	Grand View Acr	136.55	284	P	PKIKP	14 54 19.7	-0.1
157A	Early Branch	136.65	277	P	PKIKP	14 54 19.7	-0.5
Z57A	Bowman	136.69	278	P	PKPdf	14 54 19.2	+0.7
ALFO	Alfred	136.75	298	P	PKIKP	14 54 19.8	-0.2
655A	Horseshoe Beac	136.91	272	P	PKIKP	14 54 20.3	-0.5
555A	McAlpin	136.98	273	PFAKE	LR	14 54 30.0	+9.1
256A	Glennville	137.01	276	P	PKIKP	14 54 20.2	-0.7
156A	Sylvania	137.01	277	P	PKIKP	14 54 20.3	-0.6
V57A	Coltrane Farms	137.06	282	P	PKIKP	14 54 20.7	-0.3
T57A	Hurt	137.10	284	P	PKIKP	14 54 21.1	+0.1
ORIO	Orleans, Innes	137.13	297	P	PKIKP	14 54 20.5	-0.2
MYIG	Mrida	137.19	257	PFAKE	LR	14 54 30.0	+8.4
W56A	Indian Trail	137.37	281	P	PKIKP	14 54 20.8	-0.8
SSPA	Standing Stone	137.39	290	ePKPdf	PKPdf	14 54 17.7	-1.8
SSPA	Standing Stone	137.39	290	P	PKPdf	14 54 20.1	+0.5
H56A	Elgin	137.42	296	P	PKIKP	14 54 21.4	0.0
255A	Hazlehurst	137.44	276	ePKPdf	PKPdf	14 54 17.7	-2.2
255A	Hazlehurst	137.44	276	P	PKPdf	14 54 20.6	+0.7
V56A	Mocksville	137.57	282	P	PKIKP	14 54 22.4	+0.4
T56A	Rocky Mt	137.69	284	P	PKIKP	14 54 22.4	+0.2
155A	Kite	137.74	277	P	PKIKP	14 54 22.3	-0.2
Z55A	Blythe	137.74	278	P	PKIKP	14 54 21.9	-0.5

PECO	Prince Edward	137.75	295	P	PKIKP	14 54 22.2	+0.1
O56A	Blue Knob Stat	137.76	289	ePKPdf	PKPdf	14 54 20.0	-0.4
O56A	Blue Knob Stat	137.76	289	P	PKPdf	14 54 21.1	+0.7
F55A	Otter Lake	137.80	297	P	PKIKP	14 54 21.5	-0.6
Y55A	Saluda	137.84	279	P	PKIKP	14 54 21.6	-1.0
X55A	Gracelyn & Ava	137.89	280	P	PKIKP	14 54 22.1	-0.5
G55A	Calabogie	137.91	297	P	PKIKP	14 54 23.4	+1.0
KMSC	Kings Mountain	137.93	281	PFAKE	LR	14 54 30.0	+7.2
KMSC	Kings Mountain	137.93	281	P	PKIKP	14 54 22.6	-0.1
H55A	Tweed	138.04	295	P	PKIKP	14 54 23.3	+0.7
MMNY	Mt. Morris Dam	138.05	293	PFAKE	LR	14 54 30.0	+7.3
BLA	Blacksburg	138.05	284	ePKPdf	PKIKP	14 54 23.2	+0.3
BLA	Blacksburg	138.05	284	P	PKIKP	14 54 22.7	-0.3
254A	Abbeville	138.06	275	P	PKPdf	14 54 21.9	+0.8
TIGA	Tifton	138.06	274	PFAKE	LR	14 54 30.0	+6.9
TIGA	Tifton	138					

352A	comp-Z,1um,20.0s	LR	LR						
352A	Blakely baz=117	139.10 274	P	PKIKP	14 54 24.3	-0.9			
Y53A	Monroe baz=115	139.11 278	P	PKIKP	14 54 24.3	-0.9			
X53A	Estanollee baz=114	139.16 279	P	PKIKP	14 54 24.8	-0.4			
G53A	Halliburton baz=104	139.18 296	P	PKIKP	14 54 24.9	0.0			
252A	Lumpkin baz=116	139.19 274	P	PKIKP	14 54 24.9	-0.5			
PKRO	Pickering baz=105	139.20 294	P	PKIKP	14 54 24.6	-0.5			
V53A	Saluda baz=105	139.25 281	P	PFAKE	14 54 30.0	+4.5			
V53A	Saluda baz=113	139.25 281	P	PKIKP	14 54 24.5	-1.0			
W53A	Cullowhee baz=113	139.32 280	P	PKIKP	14 54 24.7	-1.0			
ALLY	Alegheny Colle ALLY	139.32 290	PFAKE	LR	14 54 30.0	+4.6			
451A	Vernon baz=118	139.33 272	PFAKE	LR	14 54 30.0	+4.3			
451A	Vernon baz=118	139.33 272	P	PKPfd	14 54 24.3	+0.9			
U53A	Fall Branch baz=112	139.34 282	P	PKIKP	14 54 24.7	-1.0			
ERPA	Erie baz=110	139.35 291	PFAKE	LR	14 54 30.0	+4.6			
ERPA	Erie baz=107	139.35 291	P	PKIKP	14 54 24.6	-0.8			
Q53A	Leroy baz=110	139.45 286	P	PKPfd	14 54 24.4	+1.0			
D52A	ZEK Kipawa Sen baz=102	139.45 299	P	PKIKP	14 54 24.3	-0.4			
SADO	Sadowa comp-Z,14nm,1.0s,baz=36,slow=5.5,SNR=3.3	139.45 295	PKP	PKPfd	14 54 23.9	+0.7			
SADO	Sadowa	139.45 295	PKP	PKPfd	14 54 23.9	+0.7			
Z52A	Williamson baz=115	139.46 276	P	PKPfd	14 54 24.5	+0.9			
152A	Waverly Hall 152A	139.47 275	ePKPfd	PKIKP	14 54 25.7	-0.3			
152A	Waverly Hall baz=116,SNR=5.4	139.47 275	P	PKPfd	14 54 24.7	+1.0			
Y52A	Lilburn 152A	139.47 277	ePKPfd	PKIKP	14 54 26.0	+0.1			
Y52A	Lilburn baz=115	139.47 277	P	PKPfd	14 54 24.6	+1.0			
S53A	Williamson baz=111	139.48 284	P	PKIKP	14 54 25.4	-0.5			
L53A	Girard baz=107	139.49 291	P	PKIKP	14 54 24.9	-0.8			
351A	Pinckard baz=117	139.52 273	P	PKPfd	14 54 24.3	+0.5			
TYNO	Tyneside baz=106	139.53 292	P	PKIKP	14 54 25.2	-0.6			
P53A	Whipple 153A	139.56 287	ePKPfd	PKIKP	14 54 26.4	+0.4			
N53A	Lisbon baz=108	139.57 289	P	PKIKP	14 54 25.6	-0.3			
R53A	Hurricane baz=110	139.58 285	P	PKIKP	14 54 25.3	-0.8			
O53A	Dahlonoga baz=114	139.65 279	P	PKPfd	14 54 24.9	+0.9			
X52A	New Philadelph baz=108	139.67 288	P	PKPfd	14 54 24.5	+0.7			
251A	Midway baz=116	139.74 274	P	PKPfd	14 54 24.9	+0.8			
BUKO	Buck Lake baz=103	139.79 296	P	PKIKP	14 54 25.4	-0.8			
ACTO	Action baz=105	139.80 293	P	PKIKP	14 54 25.7	-0.7			
F52A	Sundridge baz=103	139.81 297	P	PKPfd	14 54 24.9	+1.0			
W52A	Murphy W52A	139.87 279	ePKPfd	PKIKP	14 54 25.9	-0.8			
W52A	Murphy baz=113	139.87 279	P	PKPfd	14 54 25.4	+1.1			
151A	Opelika baz=116	139.87 275	P	PKPfd	14 54 25.5	+1.1			
V52A	Sevierville 152A	139.91 280	PFAKE	LR	14 54 40.0	+1.3			
V52A	Sevierville baz=112	139.91 280	P	PKIKP	14 54 25.9	-0.9			
T52A	Hallie baz=111	139.92 283	P	PKPfd	14 54 25.4	+1.1			
H52A	Wyevale baz=104	139.94 295	P	PKPfd	14 54 25.0	+0.9			
TKL	Tuckaleechee C comp-Z,2.4nm,0.4s,baz=51,slow=1.6,SNR=4.9	139.97 280	PKP	PKPfd	14 54 25.6	+1.1			
TKL	Tuckaleechee C baz=108	139.97 280	PKP	PKPfd	14 54 25.6	+1.1			
I52A	Shelburne baz=104	140.00 294	P	PKIKP	14 54 25.6	-1.1			
Q52A	Bidwell baz=109	140.03 286	P	PKPfd	14 54 25.1	+0.7			
K52A	Tiltsburg baz=106	140.04 292	P	PKPfd	14 54 25.1	+0.7			
450A	Crestview baz=118	140.06 272	P	PKPfd	14 54 25.2	+0.5			
O52A	Adamsville O52A	140.08 287	PFAKE	LR	14 54 40.0	+1.3			
O52A	Adamsville baz=108	140.08 287	P	PKPfd	14 54 25.2	+0.7			
E51A	G1948 Merrick baz=102	140.09 298	P	PKIKP	14 54 25.5	-1.3			
Z51A	Franklin baz=115	140.09 276	P	PKPfd	14 54 25.7	+0.9			
R52A	Cattlettsburg baz=110	140.09 284	P	PKPfd	14 54 25.0	+0.4			
D51A	Lot 18 Range I baz=101	140.12 299	P	PKIKP	14 54 25.8	-1.0			
TZTN	Tazewell TZTN	140.13 281	PFAKE	LR	14 54 40.0	+1.3			
P52A	Corning baz=109	140.15 287	P	PKPfd	14 54 25.5	+0.8			
350A	Dozier baz=117	140.15 273	P	PKPfd	14 54 25.8	+0.8			
N52A	McGinn's Farm, baz=108	140.19 289	P	PKIKP	14 54 25.9	-1.3			
S52A	Salyersville baz=111	140.19 283	P	PKIKP	14 54 26.3	-1.0			
F51A	Rockmart baz=102	140.25 297	P	PKIKP	14 54 26.1	-1.1			
K51A	Rockmart baz=114	140.25 277	P	PKPfd	14 54 25.6	+0.5			
KLBO	Killbear Provi baz=103	140.33 296	P	PKIKP	14 54 26.3	-1.0			
250A	Grady baz=116	140.34 274	PFAKE	LR	14 54 40.0	+1.2			
250A	Grady baz=116	140.34 274	P	PKIKP	14 54 26.5	-1.2			
X51A	Calhoun X51A	140.36 278	PFAKE	LR	14 54 40.0	+1.2			
X51A	Calhoun baz=114	140.36 278	P	PKIKP	14 54 26.6	-1.1			
U51A	La Follette baz=112	140.42 281	P	PKPfd	14 54 26.2	+0.9			
150A	Eclectic baz=119	140.43 275	P	PKPfd	14 54 26.4	+1.0			
CPCT	Cooper Cave CPCT	140.45 279	PFAKE	LR	14 54 40.0	+1.2			
V51A	Loudon V51A	140.46 280	ePKPfd	PKPfd	14 54 23.0	-2.3			
V51A	Loudon baz=112	140.46 280	P	PKIKP	14 54 26.6	-1.3			
449A	Pace baz=118	140.52 271	P	PKPfd	14 54 26.4	+0.9			

W51A	Cleveland baz=113	140.52 279	P	PKIKP	14 54 26.9	-1.2			
S51A	Beattyville S51A	140.56 283	PFAKE	LR	14 54 40.0	+1.2			
S51A	Beattyville baz=110	140.56 283	P	PKPfd	14 54 26.5	+1.1			
BRAL	Brewton BRAL	140.58 272	PFAKE	LR	14 54 40.0	+1.2			
BRAL	Brewton comp-Z,1um,20.0s	140.58 272	P	PKPfd	14 54 26.4	+0.7			
ELFO	Elginfield baz=117	140.58 292	P	PKPfd	14 54 25.8	+0.5			
T51A	Gray baz=111	140.58 282	P	PKPfd	14 54 25.4	-0.1			
K51A	Iona Station baz=105	140.59 291	P	PKPfd	14 54 26.3	+0.9			
Z50A	Ashland Z50A	140.63 276	ePKPfd	PKIKP	14 54 28.6	+0.2			
Z50A	Ashland comp-Z,1um,20.0s	140.63 276	P	PKPfd	14 54 26.4	+0.6			
O51A	Patskalaka baz=108	140.65 287	P	PKPfd	14 54 26.4	+0.8			
M51A	Elyria baz=107	140.69 289	P	PKPfd	14 54 26.4	+0.9			
N51A	Ashland N51A	140.71 288	PFAKE	LR	14 54 40.0	+1.2			
N51A	Ashland comp-Z,2um,21.0s	140.71 288	P	PKPfd	14 54 26.1	+0.4			
Y50A	Ashland baz=107	140.75 277	P	PKPfd	14 54 26.9	+0.9			
349A	Repton baz=117	140.77 272	P	PKPfd	14 54 26.1	+0.1			
P51A	Williamsport P51A	140.78 286	ePKPfd	PKIKP	14 54 27.8	-0.7			
R51A	Hillsboro baz=110	140.78 284	P	PKPfd	14 54 26.2	+0.3			
Q51A	Peebles Q51A	140.84 285	PFAKE	LR	14 54 40.0	+1.1			
Q51A	Peebles comp-Z,2um,19.0s	140.84 285	P	PKPfd	14 54 25.6	-0.4			
BMRO	Merrille Lake baz=103	140.85 294	P	PKPfd	14 54 26.4	+0.7			
E50A	Wahnapiatae baz=101	140.91 297	P	PKPfd	14 54 26.5	+0.7			
X50B	Fort Payne baz=114	140.92 277	P	PKPfd	14 54 26.6	+0.3			
BRCO	Bruce Peninsul baz=104	140.93 294	P	PKIKP	14 54 27.7	-0.9			
ACSO	Alum Creek Sta ACSO	140.95 287	PFAKE	LR	14 54 40.0	+1.1			
ACSO	Alum Creek Sta baz=108	140.95 287	P	PKPfd	14 54 26.2	+0.1			
W50A	Signal Mountai W50A	140.95 279	PFAKE	LR	14 54 40.0	+1.1			
W50A	Signal Mountai comp-Z,2um,20.0s	140.95 279	P	PKPfd	14 54 26.5	+0.2			
Y50A	Signal Mountai baz=113	140.97 279	P	PKPfd	14 54 26.9	+0.6			
249A	Camden baz=116	141.00 273	P	PKPfd	14 54 26.7	+0.3			
149A	Jones baz=116	141.01 274	P	PKIKP	14 54 27.7	-1.4			
BASO	Ashfield baz=104	141.03 293	P	PKPfd	14 54 26.5	+0.4			
U50A	Jamesstown baz=111	141.06 281	P	PKPfd	14 54 26.8	+0.4			
Z49A	Columbiana baz=115	141.07 275	P	PKPfd	14 54 26.5	0.0			
RES	Resolute Bay RES	141.08 344	ePKPpre	PKPpre	14 54 18.4				
RES	Resolute Bay baz=118	141.08 344	ePKHkp	PKPpre	14 54 18.4				
448A	Bay Minette baz=118	141.09 271	P	PKPfd	14 54 27.8	+1.2			
PLIO	Pelee Island, baz=106	141.13 290	P	PKPfd	14 54 26.8	+0.4			
S50A	Richmond baz=110	141.17 283	P	PKPfd	14 54 26.7	+0.1			
TOBO	Terberry, Bru baz=102	141.20 295	P	PKPfd	14 54 26.5	+0.1			
N50A	Nevada baz=107	141.23 288	P	PKPfd	14 54 26.8	+0.3			
Q50A	Georgetown baz=109	141.25 285	P	PKPfd	14 54 26.9	+0.2			
Y49A	Blount Mountai Y49A	141.25 276	PFAKE	LR	14 54 40.0	+1.0			
Y49A	Blount Mountai baz=114	141.25 276	P	PKPfd	14 54 27.6	+0.8			
T50A	Nancy baz=111	141.27 282	P	PKPfd	14 54 26.7	-0.1			
LVIG	Laguna Verde LVIG	141.30 249	PFAKE	LR	14 54 40.0	+1.0			
M50A	Paris comp-Z,700nm,20.0s	141.32 284	P	PKPfd	14 54 26.6	-0.2			
R50A	Fremont baz=110	141.34 289	PFAKE	LR	14 54 40.0	+1.0			
M50A	Fremont comp-Z,2um,20.0s	141.34 289	P	PKPfd	14 54 27.6	+0.9			
L50A	Kingsville baz=106	141.34 290	P	PKPfd	14 54 27.2	+0.4			
LRAL	Lakeview Retre LRAL	141.36 275	ePKPfd	PKPfd	14 54 27.2	+0.2			
LRAL	Lakeview Retre comp-Z,1um,22.0s	141.36 275	P	PKPfd	14 54 27.0	0.0			
P50A	Jamesstown baz=115	141.36 286	P	PKPfd	14 54 27.1	+0.2			
TLIG	Tiapa TLIG	141.37 245	ePKPpre	PKPpre	14 54 21.1				
O50A	Cable baz=108	141.39 287	P	PKPfd	14 54 26.1	-1.5			
X49A	Woodville baz=114	141.45 277	P	PKPfd	14 54 27.2	+0.3			
D49A	Beulah Townshi baz=100	141.48 299	P	PKPfd	14 54 28.0	+1.2			
V49A	Wickliffeville baz=112	141.61 279	P	PKPfd	14 54 28.1	+0.6			
148A	Greensboro baz=116	141.63 274	P	PKPfd	14 54 28.2	+0.6	</		





2014h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2014h band.

2013 APR

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2013 APR band.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2013 APR band, continuing from the previous table.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like MMIMM Aquila, MMIMM Aquila, MMIMM Aquila, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like DAV Davao City (W), DAV Davao City (W), DAV Davao City (W), etc.











2d 15h

Table with columns for station ID, name, frequency, power, and status. Includes stations like HHAR Hobbs, D46A Sault Ste Mari, E41A Sault Ste Mari, etc.

2013 APR

Table with columns for station ID, name, frequency, power, and status. Includes stations like N47A Urbana, S48A Carrier Mills, L48A N Adams, etc.

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Table with columns for station ID, name, frequency, power, and status. Includes stations like Q51A Peebles, J55A Hilton, S50A Richmond, etc.



ASAR Alice Springs 49.29 253 P P 15 55 13.8 0.0
PDAR Pinedale Array 83.29 42 P P 15 58 51.7 +0.1

ISCJB 02 16:51:08.71.0.33:79N:0:04:35:81E:0:06:h2km,14km,
Error ellipse: s-maj=9.2km s-min=5.8km az=140.4

GRAL 02 16:51:09.4.0.33:79N:35:75E:h4km,10km,MD2.7
NSSC 02 16:51:10.1.0.5:33:76N:35:88E:h5km,10km,ML1.2

ISC 02 16:51:08.2.1.2.33:80N:0:05:35:79E:0:07,h12km,15km,
n7,05/05/12,Jordan-Syria region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include BHL Bhannes, DQRL Deir Qamar, RCY Rachaya, etc.

MDD 02 16:31:06.1.2.0.34:93N:11:75W,h0km,mb4.3/9 Error
ellipse: s-maj=21.2km s-min=15.2km az=112.0,PRXIMO

INMG 02 16:31:07.1.34:93N:11:72W,h0km,ML2.9
Error ellipse: s-maj=4.0km s-min=2.3km az=126.0

CNRM 02 16:31:10.1.34:39N:11:47W,h132km,m3.3
ISC 02 16:31:04.8.1.2.34:37N:0:05:11:65W:0:09,h10km,n6b,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include PVFV Vila Bisbo, MORF Marneite, etc.

PBDV Barranco-do-Verde 3.83 51 ePn Pn 16 32 05.8 +2.0
PBDV Barranco-do-Verde 3.83 51 S Pn 16 32 49.0 +0.1

SRHM Skhour des Reh 3.94 126 P Pn 16 32 05.2 -0.2
PCVE Castro Verde 4.01 46 ePn S Pn 16 32 08.1 +1.8

PVAQ Vaqueiros 4.06 50 ePn S Pn 16 32 08.9 +1.9
PNCL Nicolau / Gran 4.09 37 ePn S Pn 16 32 54.2 +0.7

EGRO El Granado 4.29 51 P Pn 16 32 11.8 +1.7
PMPs Porto Santo 4.29 246 ePn Pn 16 32 00.7 -6.5

PBEJ Beja 4.38 43 S Pn 16 33 03.1 +0.6
ZHG ZHG 4.39 108 P Pn 16 32 11.3 -0.2

PMFR Mafrá 4.49 24 P Pn 16 32 14.1 +1.1
EVO Evora 4.67 38 ePn Pn 16 32 20.2 +4.8

PMFR Mafrá 4.49 24 P Pn 16 32 14.1 +1.1
EVO Evora 4.67 38 ePn Pn 16 32 20.2 +4.8

ALMR Almeirim 4.93 29 eS N Pn 16 33 15.0 -1.0
ALMR Almeirim 4.93 29 S Pn 16 33 15.0 -1.0

PBAR Barrancos 4.96 47 eS N Pn 16 33 16.9 +0.1
PMTG Montargil 5.00 32 ePn S Pn 16 32 21.2 +1.3

TTIG Trine Tigouga, 5.09 147 P Pn 16 32 15.9 -5.4
ESPR Espera 5.11 65 P Pn 16 32 23.3 +1.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include ESTRE, CHEFC, EBAD, EBAD, PTOM, PTOM, PTOM, etc.

MEX 02 16:33:16.0:0.5,17:00N:99:03W,h41km,16km,MD3.6,
Guerrero

TLIG Tlapa 0.71 38 iP S Pn 16 33 27.9 -1.9
PNIG Pinotepa 1.06 125 eP S Pn 16 33 32.8 -1.6

CAIG El Cayaco 1.18 272 eP S Pn 16 33 34.4 -1.7
CAIG El Cayaco 1.18 272 iS S Pn 16 33 46.6 -4.4

MIYJ Miyakonagawasa 1.26 278 Op Pn 16 50 06.9 -0.3
MIYJ Tanohata 1.32 294 P Pn 16 50 09.5 -0.6

JOK Kanyemata 2.44 259 P Pn 16 50 26.5 +1.0
JYK Ohata 2.67 318 P Pn 16 50 30.4 +1.7

MAT Matushiro 5.03 237 P Pn 16 51 03.4 +2.3
SONM Songino Array 27.88 300 P Pn 16 55 35.8 +0.2

H1N2 WAKE ISLAND Hy 28.16 127 T T 17 25 05.0
H1N1 WAKE ISLAND Hy 28.17 127 T T 17 25 07.2

H1S1 WAKE ISLAND Hy 28.98 129 T T 17 26 09.9
H1S3 WAKE ISLAND Hy 28.98 129 T T 17 26 23.3

MKAR Makanchi Array 44.24 320 P Pn 16 57 55.2 +0.2
WRA Warramunga Arr 59.66 190 P Pn 16 59 48.7 -1.3

SIJI Sorong 4.70 117 Pn Pn 16 53 11.8 -1.1
WRA Warramunga Arr 22.27 162 P Pn 16 56 13.3 -0.6

ISCJB 02 16:52:50.5:0.7,39:6S:0:2:46:0E:0:2,h10km,mb3.7/8,
Error ellipse: s-maj=36.8km s-min=13.4km az=39.4

ICC 02 16:52:50.7:0.8,39:46S:46:13E,h0km,mb3.7/9,
mb1 3.9/9,mb1mx3.7/33,mbtm3.8/9,Error ellipse:

ISC 02 16:52:52.4:0.8,39:55S:0:2:46:1E:0:2,h10km,n13,
0:085/10,mb3.7/8,Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include BOSA Boshof, LBTB Lobatse, MATP Matopo, etc.

ICC 02 17:26:33.2:0.5,2:64N:126:73E,h0km,mb4.3/20,
mb1 4.4/21,mb1mx4.3/36,mbtm4.3/21,ML3.8/1,MS3.5/4,

NEIC 02 17:26:38.0:2.4,2:65N:126:92E,h33km,1km,mb4.7/53,
Error ellipse: s-maj=16.0km s-min=11.6km az=68.0

DJA 02 17:26:37.1:0.7,3:N:7:12:7E:,h10km,M4.3/12,mb4.6/6,
mb4.8/4,ML4.2/12,Mw(mb)4.1/4

ISCJB 02 17:26:38.4:0.6,2:70N:0:03:126:92E:0:04,h54km,5km,
mb4.6/70,Error ellipse: s-maj=7.4km s-min=4.3km

ISC 02 17:26:40.1:1.1,2:70N:0:04:126:90E:0:06,h52km,10km,
n40-1938/148,mb4.6/69,Northern Molouca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include SGSI Sangihe, NTNT Ternate, etc.

PLAI Plampang 14.62 218 P Pn 17 30 12.0 +2.7
SBUM Sibuluan 14.74 111 LR LR 17 35 27.1

JRBI Singaraja 15.83 227 P Pn 17 30 24.1 +1.4
MTN Mantong Dam 16.00 165 eP Pn 17 30 19.5 -2.5

KSM Kusan 16.62 266 ePn Pn 17 30 31.1 -0.5
JAGI Jagaj, Banyuwana 16.87 229 ePn Pn 17 30 33.5 +0.6

JAGI Jagaj, Banyuwana 16.87 229 P Pn 17 30 37.2 +2.9
GMJI Gurukmas 17.29 231 P Pn 17 30 43.4 +4.5

FITZ Fitzroy Crossi 20.70 283 P Pn 17 31 14.9 -1.3
FITZ Fitzroy Crossi 20.70 283 LR LR 17 40 25.9

TWG Pinrang 20.78 345 eP Pn 17 31 14.2 -2.8
YULB Yuli 21.27 346 eP Pn 17 31 19.0 -3.4

LEMB Lembang 21.59 244 P Pn 17 31 26.8 +2.3
CISI Cisomet, Garu 21.59 242 eP Pn 17 31 22.8 -3.2

SSLB Suanglung 21.74 345 eP Pn 17 31 25.2 -2.2
YHNB Yeheng 22.48 347 eP Pn 17 31 33.5 -1.8

WR1 Warramunga Arr 23.66 162 eP Pn 17 31 45.8 -1.3
WR1 Warramunga Arr 23.66 162 P Pn 17 35 31.2 +0.6

CM01 Chiang Mai Arr 31.51 302 eP Pn 17 32 57.1 -0.4
CM31 Chiang Mai Arr 31.54 302 eP Pn 17 32 57.1 -0.7





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Table with columns: Wra, Station Name, Time, Res, and various codes. Includes stations like Warramunga Arr, Mantong Dam, GUMC, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like FINES, AKASA, BR101, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like Error ellipse, H08S1, H08S2, etc.



2d 21h

Table with columns: CMAR, CHTO, WR1, WRA, AS31, ASAR, ASAR, ASO1, CTA, H1N1, H1N2, H1N3, MORV, FORT, SONAO, SONM, BBOO, NWAO, NWAO, STKA, STKA, MK01, MK31, MK32, MK33, MK34, AKTO, ILAR, AR05, AR05, FIAO, FINES, PPT, YKA

IDC 02 20:03:48.8±2.1, 2.53N, 95.82E, h0km, mb3.6/4, mb1 3.6/6, mb1mx3.4/50, mbtmp3.5/6, ML3.3/2, Error ellipse: s-maj=50.7km s-min=23.2km az=44.0

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

ISCJB 02 20:03:50.4±1.5, 2.5N, 102.95E, h0.25km, mb3.6/4, Error ellipse: s-maj=25.7km s-min=11.4km az=20.1

ISC 02 20:03:52.2±1.8, 2.5N, 102.95E, h0.1, h2km, n12, 0534/7, mb3.7/4, Off west coast of northern Sumatra

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

2013 APR

Table with columns: DGMT, Q24A, Q24A, HWUT, EGMT, EGMT, ECSD, CBKS, MVCO, AGVN, ELK, H10CA, ULM, ULM, ULM, ULM, FFC, NVAR, YBH, TXAR, TXAR, YKA, ARCES, RAR

NIED 02 20:07:00.39±50N, 143.70E, h23km, Mw3.4 Best double couple: Mo1.270000, 1014 NP1.99193, 000000, 835, 000000, 1.80, 000000, NP2.25, 000000, 855, 000000, 1.97, 000000

JMA 02 20:07:56.7±0.1, 39.47N, 143.75E, h18km, M3.5, Off east coast of Honshu

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

ISK 02 20:17:33.8, 38.73N, 43.50E, h19km, ML2.2/5

ISCJB 02 20:17:34.8±0.6, 38.74N, 43.49E, h0.6, h13km, 5km, Error ellipse: s-maj=8.3km s-min=4.5km az=33.7

DDA 02 20:17:34.5, 38.75N, 43.48E, h7km, 4km, ML2.7

ISC 02 20:17:34.2±1.2, 38.74N, 43.51E, h0.04, h14km, 11km, n11, 0546/18, Turkey

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

SJA 02 20:43:15.7±0.5, 22.09S, 67.40W, h165km±10km, ML2.5, MW3.2

ISCJB 02 20:43:16.5±1.3, 22.18S, 67.46W, h0.05, h17km, 15km, Error ellipse: s-maj=9.4km s-min=7.0km az=34.7

GUC 02 20:43:17.4±0.6, 22.12S, 67.69W, h206km, 9km, ML3.3

ISC 02 20:43:15.1±2.2, 22.16S, 67.44W, h0.06, h187km, 25km, n18, 0597/31, 9C-1D, Chile-Bolivia border region

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

Table with columns: PB04, PB05, PB05, PB01, GO01, GO02, GO02

DJA 02 21:00:52.1±1.3, 8.5S, 8°10'7E, h10km, M3.5/4, MLV3.5/4, Java

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

DDA 02 21:05:02.7, 39.15N, 26.19E, h7km±4km, ML3.2

ISCJB 02 21:05:03.6±0.4, 39.14N, 26.21E, h0.03, h10km, 3km, Error ellipse: s-maj=4.3km s-min=2.5km az=161.7

ISK 02 21:05:03.1, 39.14N, 26.21E, h8km, ML2.9/21

ATH 02 21:05:03.2, 39.17N, 26.22E, h22km, 2km, ML2.5/4, Error ellipse: s-maj=2.6km s-min=1.7km az=255.0

THE 02 21:05:04.0, 39.14N, 26.17E, h10km, 1km, ML2.3/7, Error ellipse: s-maj=1.1km s-min=0.7km az=94.0

ISC 02 21:05:03.6±0.8, 39.15N, 26.22E, h0.02, h15km, 6km, n50, 0551/72, Turkey

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

GPNR Gulpinar-Canak, 0.31 351 PG Pb 21 05 10.2 -0.8

AYVA Ayvalik, 0.41 67 P Pb 21 05 12.1 -0.5

Foa, 0.60 136 PG Sg 21 05 17.2 -0.4

EZIN Ezine, 0.69 8 PG Pb 21 05 17.0 -0.3

BOZCAADA Bozcaada, 0.70 351 PG Sg 21 05 16.9 -0.5

BOZCAADA Bozcaada, 0.70 351 P Pb 21 05 17.7 -0.0

ZEDZ zmir-Bergama, 0.71 104 P Pg 21 05 17.1 -0.3

CHOS Chios island, 0.77 189 PG Pb 21 05 18.4 -0.3

CHOS Chios island, 0.77 189 P Pb 21 05 17.9 -0.6

CHOS Chios island, 0.77 189 P Pb 21 05 17.9 -0.6

CHOS Chios island, 0.77 189 P Pb 21 05 18.4 -0.3

URLA Izmir, 0.84 158 PG Pb 21 05 19.9 -0.1

URLA Izmir, 0.84 158 P Pb 21 05 20.6 -0.5

ZEY zmir, 0.94 165 P Pg 21 05 20.5 -1.3

BALCV Balçova, 1.00 139 PG Pb 21 05 22.7 -0.1

LIA Limnos Island, 1.09 314 P Sg 21 05 39.0 -0.2

LIA Limnos Island, 1.09 314 P Sg 21 05 41.2 -0.5

BALIKESIR Balikesir, 1.20 78 P Pg 21 05 27.0 +0.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include BAAT, SOEI, MMRI, EDFI, BBSI, BSSI, BKSI, PLAI, FITZ, WRA, ASAR, CMAR, SONM, MKAR.

IDC 02:21:00.4:3.4, 15.895x177.02W, h0km, mb4.0/3, mb1 4.2/3, mb1mx3.7/27, mbtmp4.0/3, MS3.2/1, Ms1 3.2/1, ms1mx2.7/32, Error ellipse: s-maj=161.4km s-min=71.1km az=154.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include STKA, WRA, ASAR, ASAR, GUMO.

IDC 02:21:27.04:9.1, 9.2835x177.65W, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.6/22, mbtmp3.6/3, Error ellipse: s-maj=50.3km s-min=20.5km az=95.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include RAO, ASAR, WRA, ILAR, BRTR.

SJA 02:21:30:18.8:0.7, 21.865x67.38W, h215km, 12km, ML2.8, MW3.7

ISCJBJ 02:21:20:31.3:1.2, 21.915x0.06:67.45W, 0.10, h192km, 18km, Error ellipse: s-maj=15.0km s-min=9.6km az=162.1

GUC 02:21:20:21.5:0.6, 21.955x67.36W, h188km, 10km, ML3.3

ISC 02:21:20:21.2:2.7, 21.905x0.007:67.43W, 0.08, h192km, 26km, n17, of0520, 7C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include LVC, IPOC, PB01, PB03, HJA, PB07, PB02, PB15, PB02, PB02, PB04, PB05, G001, PB11, PB11.

IDC 02:21:38:35.9:20.0, 5.635x103.54E, h92km, 183km, mb3.1/6, mb1 3.3/6, mb1mx3.1/52, mbtmp3.5/6, Error ellipse: s-maj=172.3km s-min=21.2km az=55.0, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include CMAR, H0S2, H0S3, H0S1, WRA, ASAR, SONM, MKAR, ZALV.

ISCJBJ 02:21:43:59.9:0.7, 66.53N, 0.04:17.73W, 0.06, h15km, 5km, mb3.2/4, MS3.5/1, Error ellipse: s-maj=6.3km s-min=4.0km az=20.1

REY 02:21:44:00.4:0.6, 57.77N, 17.70W, h14km

IDC 02:21:44:02.6:1.3, 66.34N, 18.40W, h0km, mb3.4/4, mb1 3.6/6, mb1mx3.3/43, mbtmp3.4/6, ML2.6/1, MS3.0/4, Ms1 3.0/4, ms1mx2.6/35, Error ellipse: s-maj=29.8km s-min=21.5km az=151.0

ISC 02:21:44:00.8:1.0, 66.49N, 0.04:17.73W, 0.03, h8km, 7km, n33, of150/45, mb3.3/4, Iceland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include IGRI, IFLA, IFLA, IFLA, IBRE, IBRE, IHED, IHED, ILEI, ILEI, ISIG, ISIG, IHLA, IHLA, IDIM, IDIM, ISKI, ISKI, IGIL, IGIL, IREN, IREN, IMEL, IMEL, IHRN, IHRN, IGRS, IGRS, ISVA, ISVA, IASK, IASK, IDYN, IDYN, IADA, IADA, IHVE, IHVE, IKRE, IKRE, ISKR, ISKR, IJOK, IJOK, IASB, IASB, IBORG, IBORG, ISFJD, ISFJD, HNO, HNO, FINES, FINES, YKA, YKA, ILAR, ILAR, GEYT, GEYT, MKAR, MKAR, PDAR, PDAR.

TIR 02:22:06:30.1, 42.59N, 18.74E, h1km, Md3.0/4

ISCJBJ 02:22:06:34.2:0.3, 42.36N, 0.02:18.90E, 0.02, h4km, 2km, Error ellipse: s-maj=3.1km s-min=2.5km az=152.2

SAR 02:22:06:34.4:0.3, 42.36N, 18.98E, h3km, 2km, ML2.6/7

PDG 02:22:06:34.0:0.2, 42.33N, 18.90E, h2km, MD2.5/2, ML2.4/8, Error ellipse: s-maj=0.2km s-min=0.4km az=0.0

BEO 02:22:06:35.6:0.4, 42.42N, 18.93E, h0km, ML2.3/11

ISC 02:22:06:33.8:1.0, 42.36N, 0.02:18.91E, 0.02, h2km, 6km, n172, of154/108, 16C-7D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include BUM, BUM, CEME, CEME, PDG, PDG, PDG, PDG, DRME, DRME, DRME, DRME, NKME, NKME, NKY, NKY, ULJC, ULJC, ULJC, ULJC, TREB, TREB, TREB, TREB, BRY, BRY, BRY, BRY, KOME, KOME, KOME, KOME, PUK, PUK, PUK, PUK, PVY, PVY, BCI, BCI, IVA, IVA, IVA, IVA, PLE, PLE, PLE, PLE, STON, STON, STON, STON, SJES, SJES.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include SJKS, TIR, TIR, TIR, TIR, PHP, PHP, IVAS, IVAS, BBLB, BBLB, HAPS, HAPS, HAPS, HAPS, SELS, SELS, OHR, OHR, DIVS, DIVS, KRUS, KRUS, GRUS, GRUS, TRUS, TRUS, BARS, BARS, TEKS, TEKS, BIA, BIA, MATE, MATE, MATE, MATE, STIP, STIP, BLY, BLY, BLY, BLY, BLY, BLY, ZAPS, ZAPS, VAV, VAV, UDBI, UDBI, MDVR, MDVR, MDVR, MDVR, VTS, VTS, VTS, VTS, HERR, HERR, HERR, HERR, NVLJ, NVLJ, BZS, BZS, BZS, BZS, MORH, MORH, MORH, MORH, MORH, MORH, CRES, CRES, SIRA, SIRA, SIRR, SIRR, CEY, CEY, CEY, CEY, SOKA, SOKA, SOKA, SOKA, OBKA, OBKA, OBKA, OBKA, DRGR, DRGR, ARSA, ARSA, VYHS, VYHS, VYHS, VYHS, KBA, KBA.

IDC 02:22:52:10.8:0.5, 66.33N, 17.35W, h0km, mb3.8/20, mb1 3.9/27, mb1mx3.8/55, mbtmp3.8/27, ML2.9/4, MS4.1/41, Ms1 4.1/41, ms1mx4.0/55, Error ellipse: s-maj=15.3km s-min=10.6km az=1.0

REY 02:22:52:10.7:66.45N, 17.36W, h10km

IEPN 02:22:52:10.6:66.03N, 17.27W, h10km, station LSH has station magnitude of 4.61 station KLMR has station magnitude of 4.60

ISCJBJ 02:22:52:10.5:0.4, 66.40N, 0.02:17.36W, 0.04, h12km, 2km, mb3.9/34, MS4.1/46, Error ellipse: s-maj=3.0km s-min=2.6km az=176.1

GCMT 02:22:52:12.7:0.2, 66.47N, 0.02:17.23W, 0.03, h12km, MW4.7/88, Moment Tensor Solution, s12,c12, s88,c130; Duration: 0 Moment tensor: Scale 1016Nm; M1=0.52; 06; M2=0.75; 06; M3=1.27; 04; M4=0.08; 17; M5=1.07; 04; M6=1.01; 15; Best double couple: Mo1.47500x1016

NP1:0.292,0.00000, 0.890,0.00000, 1.176,0.00000. NP2: 0.222,0.00000, 0.886,0.00000, 0.40,0.00000. Principal axes: T 1.7380, Plg3.0000, Azm247.0000; N -0.5260, Plg8.0000, Azm111.0000; P -1.2130, Plg3.0000, Azm337.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 02:22:52:12.7:3.0, 66.29N, 17.14W, h10km, mb4.1/18 Error ellipse: s-maj=14.4km s-min=7.8km az=314.0

ISC 02:22:52:11.9:0.3, 66.37N, 0.02:17.34W, 0.02, h8km, 6km, n139, of237/149, mb3.0/34, MS4.1/46, Iceland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include IHED, IHED, IFLA, IFLA, IFLA, IFLA, IGRI, IGRI, IBRE, IBRE, ILEI, ILEI, IDIM, IDIM, IGIL, IGIL, ISKI, ISKI, IHLA, IHLA, IHLA, IHLA, ISIG, ISIG, IREN, IREN, IREN, IREN, IMEL, IMEL, IMEL, IMEL, ISVA, ISVA, ISVA, ISVA, IHRN, IHRN, IHRN, IHRN, IASK, IASK.











Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OBN Obninsk, FINES FINES Array B, GNI Ganni, NOA NORSAR Array B, YKA Yellowknife Arr, NVAR Mina Array Bea.

ISCJB 03 01:50:23.1-0.8, 5.7N-0.1, 126.4E-0.1, h130km, 17km, mb3.5/4, Error ellipse: s-maj=21.6km s-min=15.2km az=144.6

MAN 03 01:50:23.1, 5.89N, 126.58E, h139km, mb4.5, ML3.3, MS3.1

IDC 03 01:50:25.7-0.8, 5.81N, 125.94E, h156km, 15km, mb3.3/4, mb1 3.5/4, mb1mx2.9/5.5, mbtmp3.8/4, Error ellipse: s-maj=100.4km s-min=23.8km az=72.0

ISC 03 01:50:24.2-1.1, 5.8N-0.1, 126.4E-0.1, h134km, 13km, n12, r1513/19, mb3.6/4, 1C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MATI Mati, GSPH General Santos, DAV Davao City (W), WRA Warrunganga Arr, ASAR Alice Springs, STKA Stephens Creek, TORD Torodi Ar. Bea.

IDC 03 01:54:51.0-6.9, 36.33N-70.26E, h0km, mb3.3/2, mb1 3.3/6, mb1mx3.2/5.8, mbtmp3.2/6, ML3.1/4, Error ellipse: s-maj=113.0km s-min=34.1km az=156.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, AAK bazz=345, slow=20, SNR=1.6, MAK Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, ZALV Zalesovo Beam, NOA NORSAR Array B.

SKHL 03 02:03:37.6-0.3, 44.31N-148.97E, h53km, 7km, mb4.0/3, JMA 03 02:03:40.5-0.7, 44.59N-148.32E, h119km, M3.5, ISC 03 02:03:39.2-3.7, 44.39N-0.10, 148.7E-0.2, h55.5km, n14, r1679/22, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, YUK Yuzh-Kuril'sk, GRPR Tuman, NEM2 Nemuro 2, JKH Rausu, JKH Kushirohama, JNK Nakash, JAK Akheshi, JTKR Abashiri-Toko, JAR Ashorobuto, JCH Churui, JKB Kamakawa 2, JNB Urakawa-nobuka, JKB Kayabe.

ISCJB 03 02:05:06.8-0.8, 18.21S-0.08, 71.39W-0.10, h100km, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:05:08.1-2.2, 18.17S-71.33W, h101km, 19km, mb3.5/3, mb1 3.0/7, mb1mx3.3/3.1, mbtmp3.9/7, MS3.2/2, M1 3.2/2, ms1mx2.8/20, Error ellipse: s-maj=30.7km s-min=25.0km az=44.0

ISC 03 02:05:08.0-0.9, 18.21S-0.08, 71.4W-0.1, h100km, n16, r1516/10, Off coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPAZ La Paz, LVC Limon Verde, LVC 2.0nm, 0.3s, baz=331, slow=11, SNR=18, LVC 2.3nm, 0.3s, baz=221, slow=20, SNR=5.5, NNA Nana, NNA 0.9nm, 0.3s, baz=225, slow=20, SNR=2.6, SAH San Ignacio, ATAH Atahualpa, CPUP Villa Florida, PTGA Pitinga, TORD Torodi Ar. Bea.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKA Yellowknife Arr, H1S2 WAKE ISLAND Hy25.12 280 T, H1N3 WAKE ISLAND Hy25.12 282 T, H1S1 WAKE ISLAND Hy25.12 280 T, H1N2 WAKE ISLAND Hy25.14 282 T, H1S3 WAKE ISLAND Hy25.14 280 T, H1N1 WAKE ISLAND Hy25.14 282 T, SONM Songoing Array.

ISCJB 03 02:18:48.1-1.3, 26.2S-0.3, 71.9E-0.2, h10km, mb3.7/7, MS3.6/1, Error ellipse: s-maj=42.7km s-min=22.3km az=27.4

IDC 03 02:18:48.3-1.5, 26.2S-0.3, 71.83E, h0km, mb3.8/7, mb1 4.0/7, mb1mx3.7/4.1, mbtmp3.8/7, MS3.7/1, M1 3.7/1, ms1mx2.9/39, Error ellipse: s-maj=49.6km s-min=25.9km az=28.0

ISC 03 02:18:49.8-1.5, 26.3S-0.3, 71.8E-0.2, h10km, n16, r049/9, mb3.8/7, Mid-Inland Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H0S1 Diego Garcia H, H0S2 Diego Garcia H, H0S3 Diego Garcia H, PALK Palkeleke, H0W2 Cape Leeuwin H, H0W3 Cape Leeuwin H, H0W1 Cape Leeuwin H, CMAR Chiang Mai Arr, ASAR Alice Springs, WRA Warrunganga Arr, MKAR Makanchi Array, BRTR Keskin Array B, AKTO Aktyubinsk, TORD Torodi Ar. Bea, ZALV Zalesovo Beam, YKA Yellowknife Arr.

MOS 03 02:22:34.9-1.0, 21.24N-143.85E, h80km, mb5.0/49, Error ellipse: s-maj=10.4km s-min=6.3km az=103.1

ISCJB 03 02:22:35.6-1.2, 21.25N-0.03, 143.90E-0.04, h84km, 10km, mb4.5/203, Error ellipse: s-maj=5.7km s-min=5.4km az=137.8

IDC 03 02:22:35.4-3.8, 21.23N-144.05E, h75km, 34km, mb4.2/32, mb1 4.2/33, mb1mx4.2/5.6, mbtmp4.5/33, MS3.5/18, M1 3.5/18, ms1mx3.1/40, Error ellipse: s-maj=16.0km s-min=10.0km az=92.0

NEIC 03 02:22:38.2-1.5, 21.23N-143.99E, h94km, 5km, mb4.6/148, Error ellipse: s-maj=17.1km s-min=13.1km az=91.0

BUI 03 02:22:39.4, 21.59N-143.95E, h105km, mb4.7/41, mb4.9/23, ISC 03 02:22:35.7-1.0, 21.27N-0.06, 144.10E-0.07, h75km, 9km, n315, r126/312, mb4.7/203, 10C-30, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SARN Sarigan, GUMO Guam, MJAR Matsushiro Arr, MAJO Matsushiro, MAJO Matsushiro, MAT Matsushiro, MJBR Matsu-Tunnel, JNU Nakatsue, JNU Nakatsue, ERM Erimo, ERM Erimo, KRSR Korea Array, KRSR Korea Array, KS15 Wonju Array Si, H1N1 WAKE ISLAND Hy 21.40 90 T, H1N2 WAKE ISLAND Hy 21.40 90 T, KS01 Wonju Array Si, H1S3 WAKE ISLAND Hy 21.40 93 T, H1N3 WAKE ISLAND Hy 21.42 90 T, H1S1 WAKE ISLAND Hy 21.42 93 T, H1S2 WAKE ISLAND Hy 21.43 93 T, SSSL Suanglung, ASAJ Asahikawa, JAY Jayapura, TEY Ternei, NUJ Nanjing, USRK Ussuriysk Ar, SIJI Soron, TNTI Ternate, SNY Shenyang, TIA Tai'an, KLR Kul'dur, KLR Kul'dur, LUWI Luwuk, NKL Nikolayevsk, NKL Nikolayevsk, PETK Petropavlovsk, PETK Petropavlovsk, PEA1 Petropavlovsk, XAN Xian, XAN Xian, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HHC comp=Z, 1.7nm, 0.6s, ZEA Zeya, COEN Coen, DLV T Lat, SBUM Sibutu, CD2 Chengdu, SLVN Son La, PANO Nakornpanom, LZH Lanzhou, SKNT Sakolnakh, KMI Kunming, KMI Kunming, MA2 Magadan, NONG Nongkai, ULN Ulaanbaatar, ULN Ulaanbaatar, CHAI Chaiyaphum, SONAO Songoing Array, SONM Songoing Array, SRAK Srakaw, PBKT Sadao Pong, UTTA Uttarakid, GAOTI Gaotai, GTA GTA, GTA GTA, GTA GTA, GTA GTA, YAK Yakutsk, YAK Yakutsk, SEY Seymchan, SEY Seymchan, SUKH Sukhoi, SUKH Sukhoi, WRAB Warrunganga Arr, WRAB Warrunganga Arr, WRAB Warrunganga Arr, WB2 Warrunganga Arr, WR1 Warrunganga Arr, WR1 Warrunganga Arr, CMMT Chiang Mai, CHTO Chiang Mai, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, BOD Bodaibo, BOD Bodaibo, UMPA Umpang Tak, FITZ Fitzroy Crossi, ZAK Zakamensk, ZAK Zakamensk, SRDT SRDT, TLY Talaya, TLY Talaya, ASO1 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, PSI Prapat, PSI Prapat, PSI Prapat, BILL Bilibino, BILL Bilibino, BILL Bilibino, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, DGZ Jazattar, Aita, JIRI Jiri, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, DANN Dangjing, KOLN Kolon, ZAAO Zalesovo Array.

ISCJB 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9

IDC 03 02:29:19.0-0.7, mb3.3/2, Error ellipse: s-maj=15.4km s-min=7.0km az=142.9



Table with columns: ARG, TURN, TURUNC, YER, DALY, BDRM, BODT, AYDN, TAVA, KORT, BRDR, BRDR. Includes station names like Turunc, Yerkesik, Dalyan (Mula), Dalyan (Mula), Kayabasi, Bodrum, Tasoluk, Tasoluk Tavass, Kas, Korkeuelli, BURDUR-Merkez, BURDUR-Merkez.

ISCJB 03 02:28:37.1±0.8, 26°45.0'±2.718E, 01.1, h10km, mb4.0/15, Error ellipse: s-maj=24.7km s-min=14.4km az=18.0

IDC 03 02:28:37.7±1.4, 26°29S, 71.80E, h0km, mb3.9/9, mb1 4.0/9, mb1mx3.7/58, mbtmp3.9/9, Error ellipse: s-maj=48.2km s-min=24.5km az=30.0

NEIC 03 02:28:39.2±1.3, 26°31S, 71.81E, h10km, 5km, mb4.4/6, Error ellipse: s-maj=34.2km s-min=20.8km az=179.0

ISC 03 02:28:38.5±1.1, 26°55.0'±3.717E, 0.2, h10km, n26, c=07720, mb4.0/15, Mid-Indian Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Diego Garcia H, Cape Leeuwin H, Warramunga Arr, etc.

DDA 03 02:29:20.8, 38°89N, 43°58E, h15km, 1km, ML2.5, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Van-Muradiye, Caldiran, Van, Gevas.

ISK 03 02:30:01.6, 39°41N, 43°58E, h8km, ML1.9/5, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Caldiran, Hanur-Agry, TASBURUN-IGDIR, Garni, Senkaya-Erzurum.

IDC 03 02:36:00.9±22.0, 26°00S, 72°24E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/47, mbtmp3.5/4, Error ellipse: s-maj=75.7km s-min=33.9km az=47.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Diego Garcia H, Caldiran, Hanur-Agry, TASBURUN-IGDIR, Garni, Senkaya-Erzurum, etc.

MEX 03 02:41:36.7±0.4, 16°31N, 97°94W, h1km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Pinotepa, Vista Hermosa, Tlapa.

INMG 03 02:45:27.0±1.1, 27°84N, 18°35W, h10km, 6km, ML3.8, Error ellipse: s-maj=5.7km s-min=4.5km az=54.0

ISC 03 02:45:29.3±3.4, 28°0N, 01.181°W, 0.2, h23km, n14, c=23428, Canary Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Funchal, Madeira, Porto Moniz, M, Porto Santo, Tanant, Trine Tigouga, Ouz, Averothes, Goulmima, Sarsar, LCR, Chefchaouen.

IDC 03 02:55:09.9±2.7, 3°80S, 139°21E, h120km, 30km, mb2.7/2, mb1 3.2/4, mb1mx3.0/23, mbtmp3.5/4, Error ellipse: s-maj=87.9km s-min=18.9km az=121.0, Irian Jaya

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Jayapura, Warramunga Arr, Fitzroy Crossi, Eielson Array.

ISCJB 03 02:58:08.4±0.5, 66°46N, 0°03:17.40W, 0°06, h10km, mb3.3/3, Error ellipse: s-maj=4.1km s-min=3.2km az=11.5

IDC 03 02:58:08.9±3.8, 65°72N, 17°39W, h0km, mb3.4/3, mb1 3.5/6, mb1mx3.3/43, mbtmp3.4/6, ML2.7/3, MS3.2/1, Ms1 3.2/1, ms1mx2.6/17, Error ellipse: s-maj=110.0km s-min=22.6km az=16.0

REY 03 02:58:10.2, 66°44N, 17°38W, h12km, Error ellipse: s-maj=110.0km s-min=22.6km az=16.0

ISC 03 02:58:09.4±1.1, 66°43N, 0°03:17.42W, 0.03, h11km, 8km, n33, c=11448, mb3.3/3, Iceland region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Grimsey, Flatoy, Heioinshofoi, Brettingsstai, Leirhorn, Dimmadals, Gilhagi, Skildingahish, Hella, Siglufjorour, Reykhio, Melnhausaar, Svartarkot, Hraun, Aadalbot, Dyngjuhals, Kreppuhraun, Hvervaller, Skrokka, Jokulheimar, sbjarnarst, Kalafell, Fagurholmsmyri, Kuludalsa.

IDC 03 03:07:03.8±1.1, 3°08S, 140°29E, h80km, 14km, mb3.0/3, mb1 3.3/4, mb1mx3.1/26, mbtmp3.4/4, Error ellipse: s-maj=94.7km s-min=20.5km az=117.0, Irian Jaya

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Jayapura, Warramunga Arr, Fitzroy Crossi, Alice Springs, Eielson Array.

WEL 03 03:10:51.7, 39°9S, 0°6:177E, h43km, 1km, ML3.7/17, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Waipukurau, Pawanui, Kahuranaki, Kereru, Porangahau, Cape Kidnapper, McNeill Hill, Dannevirke, Takapari Road, Kaweka Forest, Angora Road, Black Hill Sta, Aropoanui, Black Stump Fm.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Scoresbysund, NORSAR Array B, ARCES Arctic Array B, Fines Fines Array B, Yellowknife Arr, 4km, 0.8s, baz=40, slow=9.5, SNR=3.3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/33, Error ellipse: s-maj=280.2km

IDC 03 02:59:23.6±6.7, 9°88N, 126°99E, h0km, mb3.9/3, mb1 3.9/3, mb1mx3.4/34, mbtmp3.9/3, MS3.1/1, Ms1 3.1/1, ms1mx2.4/33, Error ellipse: s-maj=280.2km

MAN 03 02:59:32.4, 10°86N, 126°79E, h34km, mb4.5, ML3.4, MS3.2

ISC 03 02:59:33.9±1.7, 10°9N, 01°126:8E, 0.1, h35km, n8, c=11110, mb4.0/15, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Borongan, Palo, Maasin, Cataman, Petropavlovsk, Makanchi Array, Keskin Array B, Fines Fines Array B.

ISCJB 03 03:06:21.6±0.7, 24°60N, 0°08:122°68E, 0°02, h13km, 4km, Error ellipse: s-maj=13.7km s-min=2.8km az=6.1

JMA 03 03:06:21.6±0.1, 24°58N, 122°67E, h16km, 2km, M2.0, TAP 03 03:06:22.3, 24°56N, 122°67E, h14km, 1km, ML2.6, C

ISC 03 03:06:21.3±1.1, 24°54N, 0°09:122°68E, 0°02, h17km, 10km, n19, c=036/33, Taiwan region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Yonagunijimaku, Yonaguni jima, Yonaguni jima, EIOS1, Suao, Nanao, Nanao, Nantou, Nantou, Datong Townshi, Datong, Xuli, Xuli Townshi, Hateruma jima, Datong, Kuro-shima, Ishigaki jima, Ishigakijimahi.

IDC 03 03:07:03.8±1.1, 3°08S, 140°29E, h80km, 14km, mb3.0/3, mb1 3.3/4, mb1mx3.1/26, mbtmp3.4/4, Error ellipse: s-maj=94.7km s-min=20.5km az=117.0, Irian Jaya

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Jayapura, Warramunga Arr, Fitzroy Crossi, Alice Springs, Eielson Array.

WEL 03 03:10:51.7, 39°9S, 0°6:177E, h43km, 1km, ML3.7/17, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Waipukurau, Pawanui, Kahuranaki, Kereru, Porangahau, Cape Kidnapper, McNeill Hill, Dannevirke, Takapari Road, Kaweka Forest, Angora Road, Black Hill Sta, Aropoanui, Black Stump Fm.

3d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like B3Z, BKZ, POWZ, etc.

ISCJ 03:14:43.1±1.6, 4.28S; 143.93E, h0km, mb3.4/4, mb1 3.6/6, mb1mx3.5/33, mbtmp3.4/6, ML3.0/2, Error ellipse: s-maj=3.53m s-min=24.0km az=112.0

ISCJ 03:14:54.8±1.3, 4.39S; 0.08:143.4E±0.1, h100km, mb3.2/4, Error ellipse: s-maj=18.2km s-min=10.5km az=168.6

ISCJ 03:14:56.0±1.4, 4.43S; 0.09:143.3E±0.2, h100km, n6, c3318, mb3.4/4, New Guinea

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

ISCJ 03:19:07.2±0.9, 32.24N±0.05; 115.39W±0.06, h2km, 13km, Error ellipse: s-maj=10.6km s-min=5.8km az=43.8

2013 APR

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

ISCJ 03:20:33.3±0.3, 36.38N±0.01; 89.63W±0.02, h15km±2km, Error ellipse: s-maj=2.5km s-min=2.1km az=140.9

NEIC 03:20:33.7±0.0, 36.40N±.89; 64W, h13km, MD2.7(CERI), After CERI

NEIC Felt [III] at Hayti and Portageville. Also felt at Caruthersville, Jackson and Poplar Bluff. Felt [III] at Tiptonville, Tennessee. Also felt at Ridgely and Union City. Felt at Belknap, Illinois.

CERI 03:20:33.7, 36.40N±.89; 64W, h13km, MD2.7 ANF 03:20:34.0±0.2, 36.42N±.89; 63W, h17km, 1km, ML3.6/71, Error ellipse: s-maj=1.8km s-min=1.3km az=46.0

ISCJ 03:20:33.6±0.8, 36.40N±.02; 89.63W±0.02, h13km±5km, n115, c1911/152, New Madrid region, Missouri

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PVMO, U44A, etc.

ISCJ 03:47:58.5±1.0, 27.59N±92.55E, h0km, mb3.5/9, mb1 3.8/10, mb1mx3.6/36, mbtmp3.6/10, ML4.0/1, Error ellipse: s-maj=44.1km s-min=16.6km az=61.0

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like W49A, V49A, U49A, etc.

ISCJ 03:48:02.4±1.4, 27.80N±0.04; 92.72E±0.03, h13km±11km, mb3.5/8, Error ellipse: s-maj=6.6km s-min=5.9km az=167.1

NDI 03:48:02.5±2.4, 27.63N±92.75E, h10km, ML3.5 ISCJ 03:48:01.0±2.1, 27.65N±0.06; 92.72E±0.03, h14km±14km, n21, c127/31, mb3.6/8, Eastern Xizang-India border region

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

ISCJ 03:48:01.0±2.1, 27.65N±0.06; 92.72E±0.03, h14km±14km, n21, c127/31, mb3.6/8, Eastern Xizang-India border region





KSH		pP	pwP	05 23 13.4 +1.8
KSH		sP	sP	05 23 30.3 +6.5
KSH		pmax	pmax	
KK31	comp=Z,2.0nm,1.2s	eP	P	05 22 47.9 +0.4
KK31	Karatay Array	eP	P	53.34 297
KK31	comp=Z,2.0nm,0.9s	eP	P	05 22 47.9 +0.4
KKAR	Karatay Array	eP	P	53.34 297
KKAR	comp=Z,3.0nm,0.9s	eP	P	05 22 47.8 +0.3
KKAR	Karatay Array	eP	P	53.34 297
KKAR	comp=Z,3.0nm,0.9s	eP	P	05 22 47.8 +0.3
ARU	Arti	dIP	S	05 22 48.4 -1.5
ARU		S	S	05 30 11.0 -2.0
ARU		SS	SS	05 33 51.0 -3.2
ARU		pmax	pmax	
RES	comp=Z,4.0nm,0.6s	eP	P	05 22 50.3 -1.7
RES	Resolute Bay	eP	P	54.04 17
RES	comp=Z,2.4nm,0.4s	eP	P	05 22 50.3 -1.7
RES	Resolute Bay	eP	P	54.04 17
RES	comp=Z,2.0nm,0.4s	eP	P	05 22 50.3 -1.7
RES	Resolute Bay	eP	P	54.04 17
YKW3	Yellowknife Ar	eP	P	05 22 57.7 -0.9
YKW3	comp=Z,4.4nm,1.0s	eP	P	54.94 34
YKA	Yellowknife Ar	eP	P	54.94 34
YKA	comp=Z,2.4nm,0.6s,baz=302,slow=6.9,SNR=41	eP	P	05 22 59.5 +0.6
YKB5	Yellowknife Ar	eP	P	05 22 59.0 0.0
YKB5	comp=Z,0.1nm,0.4s,baz=50.4,slow=3.7,SNR=2.4	eP	P	54.97 34
ABKAR	Abkular array	eP	P	05 23 09.8 -0.5
ABKAR	comp=Z,2.6nm,0.5s	eP	P	56.53 308
TMCR	Tamitua Array	eP	P	05 23 19.0 -2.5
TMCR	comp=Z,2.6nm,0.5s	eP	P	58.18 331
ARA0	ARCCESS Array S	eP	P	05 23 21.6 -1.3
ARA0	comp=Z,1.0nm,0.3s,baz=43,slow=7.7,SNR=14	eP	P	58.38 339
ARA0	ARCCESS Array B	eP	P	58.38 339
ARA0	comp=Z,1.0nm,0.3s,baz=43,slow=7.7,SNR=14	eP	P	58.38 339
ARCES	ARCCESS Array B	eP	P	05 23 12.6 +0.1
ARCES	comp=Z,1.5nm,0.8s,baz=63,slow=4.2,SNR=4.0	eP	P	58.38 339
ARCES	ARCCESS Array B	eP	P	58.38 339
ARCES	comp=Z,1.5nm,0.8s,baz=63,slow=4.2,SNR=4.0	eP	P	58.38 339
NEW	Newport	eP	P	05 23 45.4 -0.2
NEW	comp=Z,1.0nm,0.3s	eP	P	61.65 49
PINE	Pine Mountain	eP	P	05 23 51.5 +2.3
PINE	comp=Z,0.9nm,0.5s,baz=305,slow=4.5,SNR=3.2	eP	P	62.15 55
PINE	Pine Mountain	eP	P	62.15 55
PINE	comp=Z,0.9nm,0.5s,baz=305,slow=4.5,SNR=3.2	eP	P	62.15 55
YBH	Yreka Blue Array	eP	P	05 23 51.3 +1.1
YBH	comp=Z,4.7nm,0.8s	eP	P	62.32 58
GEYT	Alibek	eP	P	05 24 00.9 -0.6
GEYT	comp=Z,3.3nm,0.3s,baz=54,slow=2.5,SNR=3.3	eP	P	64.05 298
FAI1	FINESS Array S	eP	P	05 23 59.8 -1.4
FAI1	comp=Z,2.9nm,0.5s	eP	P	64.06 333
FAI1	FINESS Array S	eP	P	64.06 333
FAI1	comp=Z,2.9nm,0.5s	eP	P	64.06 333
FAI1	FINESS Array S	eP	P	64.06 333
FAI1	comp=Z,2.9nm,0.5s	eP	P	64.06 333
FAI1	FINESS Array S	eP	P	64.06 333
FAI1	comp=Z,2.9nm,0.5s	eP	P	64.06 333
FAI1	FINESS Array S	eP	P	64.06 333
FINES	FINESS Array B	eP	P	05 23 59.5 -1.6
FINES	comp=Z,5.2nm,0.6s,baz=46,slow=8.2,SNR=20	eP	P	64.06 333
FINES	FINESS Array B	eP	P	64.06 333
FINES	comp=Z,5.2nm,0.6s,baz=46,slow=8.2,SNR=20	eP	P	64.06 333
OBN	Oblinsk	eP	P	05 24 04.8 +0.1
OBN	comp=Z,0.7nm,0.4s,baz=50,slow=4.3,SNR=2.7	eP	P	64.60 323
OBN	Oblinsk	eP	P	64.60 323
OBN	comp=Z,0.7nm,0.4s,baz=50,slow=4.3,SNR=2.7	eP	P	64.60 323
WR1	Warramunga Arr	eP	P	05 24 11.3 +1.0
WR1	comp=Z,2.3nm,0.8s	eP	P	65.40 193
WR1	Warramunga Arr	eP	P	65.40 193
WR1	comp=Z,2.3nm,0.8s	eP	P	65.40 193
WRA	Warramunga Arr	eP	P	05 24 11.3 +1.0
WRA	comp=Z,2.3nm,0.8s	eP	P	65.40 193
WRA	Warramunga Arr	eP	P	65.40 193
WRA	comp=Z,2.3nm,0.8s	eP	P	65.40 193
VSU	Vasula	eP	P	05 24 13.5 -0.5
VSU	comp=Z,2.1nm,0.7s	eP	P	66.05 330
YERR	Yerington	eP	P	05 24 16.7 +1.8
YERR	comp=Z,1.5nm,0.7s	eP	P	66.09 58
BOZ	Bozeman (W)	eP	P	05 24 17.1 +1.3
BOZ	comp=Z,2.6nm,0.9s	eP	P	66.26 49
BOZ	Bozeman (W)	eP	P	66.26 49
BOZ	comp=Z,2.6nm,0.9s	eP	P	66.26 49
BOZ	Bozeman (W)	eP	P	66.26 49
BOZ	comp=Z,2.6nm,0.9s	eP	P	66.26 49
BOZ	Bozeman (W)	eP	P	66.26 49
BOZ	comp=Z,2.6nm,0.9s	eP	P	66.26 49
BOZ	Bozeman (W)	eP	P	66.26 49
KVN	Kaiserville	eP	P	05 24 20.9 +1.8
KVN	comp=Z,3.0nm,0.8s	eP	P	66.74 58
KVN	Kaiserville	eP	P	66.74 58
KVN	comp=Z,3.0nm,0.8s	eP	P	66.74 58
KVN	Kaiserville	eP	P	66.74 58
KVN	comp=Z,3.0nm,0.8s	eP	P	66.74 58
KVN	Kaiserville	eP	P	66.74 58
KVN	comp=Z,3.0nm,0.8s	eP	P	66.74 58
KVN	Kaiserville	eP	P	66.74 58
NV01	Mina Array Sit	eP	P	05 24 22.2 +1.4
NV01	comp=Z,2.4nm,0.8s	eP	P	67.01 58
NVAR	Mina Array	eP	P	05 24 22.5 +1.7
NVAR	comp=Z,2.4nm,0.8s	eP	P	67.01 58
NVAR	Mina Array	eP	P	67.01 58
NVAR	comp=Z,2.4nm,0.8s	eP	P	67.01 58
MOOW	Moose Ponds	eP	P	05 24 28.4 +1.8
MOOW	comp=Z,3.0nm,1.1s	eP	P	67.94 50
NO2	NORSAR Subarra	eP	P	05 24 30.4 -0.6
NO2	comp=Z,0.9nm,0.5s,baz=32,slow=6.5	eP	P	68.75 339
NO2	NORSAR Array B	eP	P	68.75 339
NO2	comp=Z,0.9nm,0.5s,baz=32,slow=6.5	eP	P	68.75 339
NO2	NORSAR Array B	eP	P	68.75 339
NO2	comp=Z,0.9nm,0.5s,baz=32,slow=6.5	eP	P	68.75 339
NO2	NORSAR Array B	eP	P	68.75 339
NO2	comp=Z,0.9nm,0.5s,baz=32,slow=6.5	eP	P	68.75 339
NO2	NORSAR Array B	eP	P	68.75 339
KBZ	Khabaz	eP	P	05 24 35.3 +1.1
KBZ	comp=Z,2.6nm,0.8s,baz=57,slow=8.9,SNR=9.3	eP	P	69.23 311
BW06	Boulder Array	eP	P	05 24 35.6 +1.0
BW06	comp=Z,2.1nm,0.7s	eP	P	69.24 50
PD31	Pinedale Array	eP	P	05 24 35.7 +1.0
PD31	comp=Z,1.9nm,0.7s	eP	P	69.24 50
PD31	Pinedale Array	eP	P	69.24 50
PD31	comp=Z,1.9nm,0.7s	eP	P	69.24 50
AKASG	Malin Array Be	eP	P	05 24 42.8 -1.2
AKASG	comp=Z,1.4nm,0.6s,baz=340,slow=1.2,SNR=19	eP	P	70.86 324
AKASG	Malin Array Be	eP	P	70.86 324
AKASG	comp=Z,1.4nm,0.6s,baz=340,slow=1.2,SNR=19	eP	P	70.86 324
AKASG	Malin Array Be	eP	P	70.86 324
AKASG	comp=Z,1.4nm,0.6s,baz=340,slow=1.2,SNR=19	eP	P	70.86 324
AKASG	Malin Array Be	eP	P	70.86 324
AKASG	comp=Z,1.4nm,0.6s,baz=340,slow=1.2,SNR=19	eP	P	70.86 324
AKASG	Malin Array Be	eP	P	70.86 324
KIEV	Kiev	eP	P	05 24 43.3 -0.8
KIEV	comp=Z,2.0nm,0.3s	eP	P	70.87 324
KIEV	Kiev	eP	P	70.87 324
KIEV	comp=Z,2.0nm,0.3s	eP	P	70.87 324
KIEV	Kiev	eP	P	70.87 324
KIEV	comp=Z,2.0nm,0.3s	eP	P	70.87 324
KIEV	Kiev	eP	P	70.87 324
KIEV	comp=Z,2.0nm,0.3s	eP	P	70.87 324
KIEV	Kiev	eP	P	70.87 324
SRU	San Rafael Swe	eP	P	05 24 47.8 +1.5
SRU	comp=Z,3.3nm,0.6s	eP	P	71.16 53
SRU	San Rafael Swe	eP	P	71.16 53
SRU	comp=Z,3.3nm,0.6s	eP	P	71.16 53
SRU	San Rafael Swe	eP	P	71.16 53
SRU	comp=Z,3.3nm,0.6s	eP	P	71.16 53
SRU	San Rafael Swe	eP	P	71.16 53
SRU	comp=Z,3.3nm,0.6s	eP	P	71.16 53
SRU	San Rafael Swe	eP	P	71.16 53
PFO	Pinyon Flats O	eP	P	05 24 46.2 -0.8
PFO	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	71.27 61
BUR08	Bucovina Arr	eP	P	05 25 08.5 +0.4
BUR08	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.90 324
BUR08	Bucovina Arr	eP	P	74.90 324
BUR08	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.90 324
BUR08	Bucovina Arr	eP	P	74.90 324
BUR08	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.90 324
BUR08	Bucovina Arr	eP	P	74.90 324
BUR08	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.90 324
BUR08	Bucovina Arr	eP	P	74.90 324
BURAR	Bucovina Array	eP	P	05 25 08.5 +0.4
BURAR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.92 324
BURAR	Bucovina Array	eP	P	74.92 324
BURAR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.92 324
BURAR	Bucovina Array	eP	P	74.92 324
BURAR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.92 324
BURAR	Bucovina Array	eP	P	74.92 324
BURAR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	74.92 324
BURAR	Bucovina Array	eP	P	74.92 324
BIZ	Bicaz	eP	P	05 25 10.1 +0.5
BIZ	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.06 323
BIZ	Bicaz	eP	P	75.06 323
BIZ	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.06 323
BIZ	Bicaz	eP	P	75.06 323
BIZ	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.06 323
BIZ	Bicaz	eP	P	75.06 323
BIZ	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.06 323
BIZ	Bicaz	eP	P	75.06 323
TLCR	Carcaliu	eP	P	05 25 12.1 +0.7
TLCR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.20 322
TLCR	Carcaliu	eP	P	75.20 322
TLCR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.20 322
TLCR	Carcaliu	eP	P	75.20 322
TLCR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.20 322
TLCR	Carcaliu	eP	P	75.20 322
TLCR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.20 322
TLCR	Carcaliu	eP	P	75.20 322
CFR	Carcaliu	eP	P	05 25 12.1 +0.7
CFR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.52 320
CFR	Carcaliu	eP	P	75.52 320
CFR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.52 320
CFR	Carcaliu	eP	P	75.52 320
CFR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.52 320
CFR	Carcaliu	eP	P	75.52 320
CFR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.52 320
CFR	Carcaliu	eP	P	75.52 320
TRPA	Tarpa	eP	P	05 25 12.9 +0.9
TRPA	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.62 325
TRPA	Tarpa	eP	P	75.62 325
TRPA	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.62 325
TRPA	Tarpa	eP	P	75.62 325
TRPA	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.62 325
TRPA	Tarpa	eP	P	75.62 325
TRPA	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	75.62 325
TRPA	Tarpa	eP	P	75.62 325
LANS	Liptovska Anna	eP	P	05 25 15.5 +1.3
LANS	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 328
LANS	Liptovska Anna	eP	P	76.01 328
LANS	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 328
LANS	Liptovska Anna	eP	P	76.01 328
LANS	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 328
LANS	Liptovska Anna	eP	P	76.01 328
LANS	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 328
LANS	Liptovska Anna	eP	P	76.01 328
TLB	Topalu	eP	P	05 25 14.7 +0.4
TLB	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 322
TLB	Topalu	eP	P	76.01 322
TLB	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 322
TLB	Topalu	eP	P	76.01 322
TLB	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 322
TLB	Topalu	eP	P	76.01 322
TLB	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.01 322
TLB	Topalu	eP	P	76.01 322
DOPR	Dopca	eP	P	05 25 16.7 +1.7
DOPR	comp=Z,2.1nm,0.4s,baz=100,slow=6.8,SNR=5.8	eP	P	76.13 322
DOP				

Table of station data including call signs (UPC, DPC, DFC, etc.), names (Upice, Dobruska-Polom, etc.), coordinates, and other technical details.

Table of station data including call signs (WMOK, OBN, OBN, etc.), names (Wichita Mounta, Obninsk, etc.), coordinates, and other technical details.

Table of station data including call signs (DUG, DLMT, DUG, etc.), names (Dugway, Tooele, Dillon, etc.), coordinates, and other technical details.

THE 03 05:37:58.8, 40:16N-24:04E, h11km, 1km, ML2.2/10, Error ellipse: s-maj=1.5km s-min=0.8km az=210.0

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Contains station names like OUR Uranopolis, OUR Uranopolis, etc.

Table with columns: STA, Name, Az, El, P, S, Res, Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like LIMNOS ISLAND, KAVVA, SERRAI, SAMOTHRAKI IS, etc.

MEX 03 05:41:08.6-0.6, 16.31N-98.18W, h14km, 2km, MD3.5. Near coast of Guerrero. Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC.

ISCJJB 03 06:15:27.0-0.2, 0.03S-02.068E, h0km, mb3.6/3, mb1 3.7/4. NEIC 03 06:15:28.1-2.3, 20.01S-68.71W, h110km, 7km, mb4.6/19, M.L.4 (GUC), Error ellipse: s-maj=15.0km s-min=10.9km az=89.0.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KENDRIKON, RODOPIH, VAYVALANDOVO, STIP, SKOJPE, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IPOC STATION P, MINYE MINYE, LISAPAZ, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AMOG MOGNA, RTLL CERRO VILLICUN, CFA CORONEL FONTAN, etc.











Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like ADK, KIRH, KIWB, Kanaga Island, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like NVAR, KSR5, BW06, Boulder Array, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like ZEDA, USAK, Uak-Merkez, GONE, etc.

ISC/JB 03 08:51:53.6:0.4, 42.34N, 0.02:18.91E:0.03, h10km, Error ellipse: s-maj=3.4km s-min=2.6km az=26.3

ISC/JB 03 08:58:12.9:0.4, 23.94N, 0.03:122.52E:0.02, h20km, 4km, Error ellipse: s-maj=2.4km s-min=2.4km az=174.2

ISC/JB 03 08:51:53.6:0.1, 42.34N, 18.94E, h3km, 1km, ML2.5/8 PDG 03 08:31:53.6:0.1, 42.34N, 18.93E, h2km, 1km, MD2.4/4

JMA 03 08:58:12.9:0.3, 23.98N, 122.48E, h16km, 4km, M2.4 TAP 03 08:58:13.2, 24.02N, 122.52E, h25km, 1km, ML2.9, D

ML2.3/1.0, Error ellipse: s-maj=0.1km s-min=0.2km az=0.0 BEO 03 08:31:53.6:0.4, 42.34N, 18.90E, h0km, ML2.2/3

ISC 03 08:51:29.1, 3.2379N, 0.03:122.50E:0.02, h21km, 4km, n44, c058177, Taiwan region

h36, c085/65, 7C-11D, Northwestern Balkan Peninsula

Code Station Name Az Az' Op Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like BUM, Brajici-Budva, BUM, Cevo, CEME, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like YONG, Yanagunijimaku, EESI, EON1, etc.

ISC/JB 03 08:42:13.5:0.7, 39.13N, 0.03:28.16E:0.06, h8km, 7km, Error ellipse: s-maj=7.3km s-min=5.0km az=0.8

DDA 03 08:42:13.2, 39.11N, 28.14E, h7km, 2km, ML2.6 ISK 03 08:42:15.0, 39.27N, 28.24E, h5km, ML2.2/3

ISC 03 08:42:12.7:1.5, 39.10N, 0.03:28.10E:0.04, h6km, 16km, n12, c052/18, Turkey

Code Station Name Az Az' Op Phase ID Time Res ISC

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like YULB, Yu-Ii, YULB, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like VVWD, WFSB, TATO, JKRS, SSSL, YM07, etc.

UPP 03 09:00:10.9±2.5, 64°53'N:30°86'E, h0km, ML1.8, Suspected explosion
ISCJB 03 09:00:11.1±0.6, 64°72'N:0°03'30.67E±0.1, h0km, Error ellipse: s-maj=0.5km s-min=4.3km az=14.5

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KU6, MSF, JOF, OUF, RNF, etc.

IDC 03 09:22:00.2±2.3, 37°94'N:142°39'E, h0km, mb3.7/2, mb1 3.7/4, mb1mx3.3/49, mbtmp3.5/4, ML1.8/2, Error ellipse: s-maj=45.5km s-min=30.5km az=83.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like JKH, JIO, JMM, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like H11N3, H11S1, H11S3, etc.

DJA 03 09:23:53.7±1.6, 10°S:8°11'8E±, h12km, gkm, M2.9/5, ML2.9/5, Sumbawa region

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

ISC 03 09:24:11.1±13.0, 2°26'S:125°93'E, h0km, mb3.6/2, mb1 3.8/3, mb1mx3.4/44, mbtmp3.6/3, ML3.9/1, Error ellipse: s-maj=199.7km s-min=158.8km az=138.0

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

ISC 03 09:31:27.1±39.0, 40°N:37°01'E, h1km, ML2.0/5
ISCJCB 03 09:31:28.7±0.5, 39°42'N:0°03'37.10E±0.05, h6km, Error ellipse: s-maj=5.6km s-min=3.7km az=161.8

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like DARE, RSDY, TOKAT, etc.

IDC 03 09:34:18.0±36.3, 63°36'N:27°93'E, h7km, 3km, ML2.3
IDK 03 09:34:16.9, 36°58'N:27°96'E, h17km, ML2.5/10, Dodecanese Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like DATC, DATO, DAT, etc.

ASRS 03 09:52:20.2±53.6, 66°N:87°88'E, M3.0, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

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

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

MEX 03 10:05:42.0±2.4, 14°02'N:92°09'W, h39km±210km, MD4.0, Near coast of Chiapas

ISCJCB 03 10:06:26.7±1.6, 72°06'N:0°10'15E±0.6, h11km, mb3.2/1, MS2.9/1, Error ellipse: s-maj=25.2km s-min=12.7km az=13.6

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SPITS, ARCES, NOA, etc.

IDC 03 10:12:25.0±1.6, 17°15'S:178°01'W, h0km, mb4.0/5, mb1 4.3/5, mb1mx3.8/29, mbtmp4.0/5, Error ellipse: s-maj=147.6km s-min=22.3km az=153.0, Fiji Islands region

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

NNC 03 10:22:02.7±12.0, 38°24'N:72°21'E, h0km, mb3.9, mpv3.5, 1C-2D, Error ellipse: s-maj=125.9km s-min=71.1km az=150.0, Tajikistan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like AAK, KK31, TKM2, etc.

KRNET 03 10:24:32.4±0.1, 39°46'N:75°85'E, mb3.2
SCNET 03 10:24:32.0±0.2, 39°40'N:75°65'E, h10km
NNC 03 10:24:33.2±2.8, 39°78'N:75°81'E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=19.8km s-min=14.3km az=150.0

ISC 03 10:24:27.4±3.0, 39°6'N:0°175.90E±0.06, h10km, n28, ±140/39, 19C-3D, Southern Xinjiang

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KZA, ARSL, ARLS, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes entries for Gary Mavity, V, University of Yellville, Viola, Magazine, Basin Creek Fa, Mount Ida, Harrisburg, Marvell, Cane Creek, White Oak Lake, Poplar Bluff, Memphis-Engin, Richland Creek, Greenville, Parma, Leonard, Cathedral Cave, Oxford, Fulton Ridge, Rosebud, French Village, Booneville, KKKM, Michie, Southern Illin, Paducah, Hickaday, Plalick, Carrier Mills, Waltonville, Waverly, Russelville, Westpoint, New Douglas, Nunnely, Nacogdoches, Barry, Barry, Clarksville, Meyer Farm, Va, Sharon Grove, Sand Creek, Wichita Mounta, Hopedale, Ashland, Amarillo.

Table with columns: PCIG, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes entries for Huatulco, Vista Hermosa, KRSC 03 11:41:07, OSSR, TILK, PALN, KMSK, NIED 03 11:57:02, JMH2, CBIJ, BSOA, JAG, JHO, MJAR, MAJO, MJ99, JNU, ERM, KSRS, KS15, KS01, ASAJ, YHNB, MDJ, KLR, XAN, PET, KKM, MA2, PMG, CTA, WRAB, WB2, WRA, ASAR, KURBS, NRIK, KDAK, IM3, BPAW, STKA, BVAR, MDM, HDA, ILAR, ILB, ILI, RIDG, DOT, SCRK, DAWY, EPYK, HYT, INK, ABKAR, YKA, YKB5, TULEG, B08A, YBHA, K05A, NEW, G08A, FIA1, FINE5, J08A, BEKR, CMKR, YERR, KVN, NV01, NVAR.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes entries for Bozeman (W), Elko, FFC, YMR, HFS, IMWV, NB2, NOA, RLMT, DUG, PD31, PDAR, LCMT, KNB, Q16A, SRU, U15A, ANMO, TXAR, KESRA, FREYJUN, KYUNG, I31KZ, GUMO, WRA, ASAR, ILAR, YKA, ARCES, NVAR, MURB, ATCC, ATTE, ATFO, ATTO, ATTI, ATTV, ATVO, ATVI, ATVJ, ATVW, ATVX, ATVY, ATVZ, ATVA, ATVB, ATVC, ATVD, ATVE, ATVF, ATVG, ATVH, ATVI, ATVJ, ATVW, ATVX, ATVY, ATVZ.

MEX 03 11:24:35.0-0.6, 16.31N-93.95W, h174km, gkm, MD4.0, Chiapas

IDC 03 12:02:03.7-373.0, 37.64N-14.77E, h0km, Error ellipse: s-maj=134.0km s-min=113.0km az=74.0, Sicily











2013 APR

3d 13h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Banja Luka, Banja Luka, MBRI, Eilat, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NORARS Array S, NB2, NOA, EKA, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MOS 03, HLW 03, ISK 03, etc.



3d 15h

Table of seismic stations including Kajsay, Kurchatov, Spitsbergen Ar, Makanchi Array, etc. Columns include station name, coordinates, and various parameters.

2013 APR

Main table of seismic events for April 2013. Columns include station name, time, magnitude, and location. Includes events like KSAR, ULM, MDM, COLA, etc.

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Table of seismic stations including SEY, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, KURBB, ILAR, BVAR, INK, WRA, etc.

IDC 03 14:42:33.6:344.0,37774N:15.35E,h0km, Error ellipse: s-maj=145.7km s-min=122.7km az=145.0, Sicily

MEX 03 14:56:03.9:0.5,16.37N:98.26W,h31km,4km,MD3.8, Near coast of Guerrero

IDC 03 15:25:22.9:36.04N:36.96E,h5km,ML2.5/7, Error ellipse: s-maj=15.5km s-min=7.0km az=146.8

IDC 03 15:25:27.5:1.7,36.16N:0.09E,h36.81E:0.04,h9km,12km, n18,c159/23,Jordan-Syria region

IDC 03 13:51:20.2:0.5,16.04N:98.80W,h16km,25km,MD3.8, Near coast of Guerrero

IDC 03 14:09:58.5:1.8,12.06N:144.83E,h0km,mb3.7/4, mb1 3.9/4, mb1mx3.4/42, mbtmp3.7/4, Error ellipse: s-maj=108.2km s-min=21.4km az=98.0, South of Mariana Islands

IDC 03 15:30:49.7:0.3,23.57S:0.03:68.35W:0.03,h105km,2km, mb4.7/140, Error ellipse: s-maj=4.8km s-min=3.4km

IDC 03 15:30:52.0:0.6,23.54S:68.32W,h106km,3km,mb4.4/12, mb1 4.5/17, mb1mx3.4/32, mbtmp3.4/17, MS3.2/5, Ms1 3.2/5, ms13.0/23, Error ellipse: s-maj=5.8km s-min=3.9km

IDC 03 15:30:51.7:0.5,23.62S:68.49W,h124km,5km,mb4.8, GUC 03 15:30:51.3:0.2,23.64S:68.71W,h120km,6km,ML4.5, Error ellipse: s-maj=11.2km s-min=7.1km az=105km,MS5.2/7

IDC 03 15:30:50.7:0.4,23.88S:0.03:68.49W:0.04,h103km,3km, h103km:ppP,n513,e18/10/546,mb4.7/141,6C-4D, North-Chile

Table with columns: call sign, name, frequency, power, mode, and other parameters. Includes stations like PB03, PB09, PB04, etc.

Table with columns: call sign, name, frequency, power, mode, and other parameters. Includes stations like Y53A, Z50A, Z50A, etc.

Table with columns: call sign, name, frequency, power, mode, and other parameters. Includes stations like S47A, ABTX, PBMO, etc.



K40A	Colesburg	69.28 342	P	P	15 41 46.1	-0.4
T25A	Trinidad	69.32 330	eP	P	15 41 46.1	-1.2
J42A	Columbus	69.32 344	P	P	15 41 46.2	-0.6
K39A	Oelwein	69.49 342	P	P	15 41 47.3	-0.6
J41A	Loganville	69.59 343	P	P	15 41 48.1	-0.4
I43A	Langenfeld Bro	69.61 345	P	P	15 41 48.3	-0.3
I42A	Dräger Farm	69.80 344	eP	P	15 41 48.8	-1.0
I42A	Dräger Farm	69.80 344	P	P	15 41 49.6	-0.2
J40A	Soldiers Grove	69.81 343	P	P	15 41 49.2	-0.6
F52A	Sundridge	69.84 352	P	P	15 41 49.8	-0.2
ALGO	Algonquin Park	69.85 353	P	P	15 41 49.8	-0.2
J39A	Decorah	70.02 342	P	P	15 41 50.7	-0.5
H43A	Windswept, Lux	70.08 345	P	P	15 41 51.1	-0.4
E54A	Lac Daplat, Po	70.23 354	P	P	15 41 52.6	+0.3
SDCO	Great Sand Dun	70.31 330	eP	P	15 41 54.0	+0.6
SDCO	Great Sand Dun	70.31 330	P	P	15 41 54.8	+1.4
F48A	Evansville	70.36 350	P	P	15 41 52.9	-0.2
BGNE	Belgrade	70.36 337	eP	P	15 41 53.5	+0.3
BGNE	Belgrade	70.36 337	P	P	15 41 53.7	+0.4
I39A	Houston	70.45 343	P	P	15 41 53.3	-0.4
E50A	Wahnapiite	70.65 351	P	P	15 41 54.9	+0.1
H41A	Junction City	70.67 344	P	P	15 41 54.6	-0.4
F46A	Macinaw City C	70.69 348	P	P	15 41 54.9	-0.2
G43A	Wallace	70.81 346	P	P	15 41 55.4	-0.4
H40A	Chili	70.86 344	P	P	15 41 56.0	-0.2
D52A	ZEK Kipawa Sen	70.89 353	P	P	15 41 56.9	+0.5
E48A	Lockeyer	70.92 350	P	P	15 41 56.9	+0.4
S22A	4UR Ranch, Cre	70.94 329	eP	P	15 41 58.3	+1.1
S22A	4UR Ranch, Cre	70.94 329	P	P	15 41 58.0	-0.7
G42A	Mountain	70.96 345	P	P	15 41 56.5	-0.3
Q24A	Divide	71.14 331	eP	P	15 41 59.6	+1.2
Q24A	Divide	71.14 331	P	P	15 41 59.7	+1.2
E46A	Sault Ste Mari	71.18 348	P	P	15 41 58.1	+0.1
F44A	Big Bay de Noc	71.21 347	P	P	15 41 58.1	-0.1
F43A	Flat Rock, Esc	71.23 346	P	P	15 41 58.0	-0.4
E45A	Wooded Hills,	71.33 348	P	P	15 41 59.1	+0.1
MVCO	Mesa Verde	71.33 327	eP	P	15 42 01.1	+1.5
MVCO	Mesa Verde	71.33 327	P	P	15 42 01.1	+1.5
G40A	Rib Lake	71.42 344	P	P	15 41 59.5	0.0
H38A	Maiden Rock	71.42 342	P	P	15 41 59.7	+0.2
WUAZ	Wupatki	71.52 324	eP	P	15 42 02.4	+1.8
WUAZ	Wupatki	71.52 324	P	P	15 42 02.4	+1.8
D48A	Paudyal Townsh	71.54 350	P	P	15 42 00.5	+0.3
D49A	Beulah Townshi	71.57 351	P	P	15 42 00.5	+0.1
F41A	Three Lakes	71.59 345	P	P	15 42 00.6	0.0
G39A	Holcombe	71.68 343	P	P	15 42 00.7	-0.4
E43A	Lone Tree Farm	71.72 347	P	P	15 42 01.4	+0.1
G38A	Ridgeland	71.76 343	P	P	15 42 01.4	-0.2
ECSD	EROS Data Cent	71.88 339	eP	P	15 42 02.0	-0.4
ECSD	EROS Data Cent	71.88 339	P	P	15 42 02.4	0.0
E42A	Champion	71.97 346	P	P	15 42 02.7	-0.1
Y12C	Blythe	71.98 321	P	P	15 42 04.5	+1.4
F40A	Park Falls	72.00 344	P	P	15 42 03.3	+0.2
ISCO	Idaho Springs	72.03 331	eP	P	15 42 04.9	+1.2
ISCO	Idaho Springs	72.03 331	P	P	15 42 04.7	+1.0
SMCO	Snowmass	72.15 329	eP	P	15 42 05.9	+1.3
F39A	Loretta	72.20 344	P	P	15 42 04.1	-0.2
E40A	Wakefield	72.44 345	P	P	15 42 06.0	+0.3
BC3	Big Chockawall	72.45 320	P	P	15 42 08.0	+1.9
MONP2	Monument Peak	72.49 319	P	P	15 42 07.8	+1.3
BAR	Barrett	72.49 319	eP	P	15 42 08.0	+1.7
F38A	Pierce - Schro	72.49 343	P	P	15 42 05.9	0.0
E39A	Mellen	72.54 344	P	P	15 42 06.3	+0.1
IRM	Iron Mountain	72.63 321	P	P	15 42 09.2	+2.1
U15A	North Rim	72.69 324	eP	P	15 42 09.4	+1.7
D41A	Chisel	72.71 346	P	P	15 42 07.6	+0.4
LSQJ	Lebel-sur-Quev	72.81 354	P	P	15 42 08.1	+0.4
E38A	The Farm, Brul	73.01 344	eP	P	15 42 08.8	-0.1
E38A	The Farm, Brul	73.01 344	P	P	15 42 09.4	+0.4
PFO	Pinyon Flats 0	73.01 320	P	P	15 42 11.4	+1.9
BELC	Belle Mtn. Jos	73.01 320	P	P	15 42 11.3	+1.8
N23A	Red Feather La	73.07 331	eP	P	15 42 11.2	+1.3
N23A	Red Feather La	73.07 331	P	P	15 42 11.2	+1.3
PHWY	Pilot Hill	73.19 332	eP	P	15 42 11.6	+1.1
GMRC	Granite Mount	73.37 321	P	P	15 42 13.5	+2.0
KNB	Kanab	73.41 324	eP	P	15 42 13.8	+1.9
O20A	White River Ci	73.50 329	eP	P	15 42 13.6	+1.3
O20A	White River Ci	73.50 329	P	P	15 42 13.8	+1.5
LCMT	Little Creek M	73.64 324	eP	P	15 42 14.9	+1.8
HEC	Hector,Ludlow	73.79 321	P	P	15 42 15.9	+1.9
SRU	San Rafael Sw	73.81 327	eP	P	15 42 15.2	+1.1
MTPU	Mount Pierson	73.84 325	eP	P	15 42 15.5	+1.0
Q16A	Castle Valley	73.99 327	eP	P	15 42 16.7	+1.5
TUQ	Turquoise Moun	73.99 321	P	P	15 42 16.9	+1.8
CCUT	Cedar City	74.10 324	eP	P	15 42 18.0	+2.1
BFSO	Mount Baldy Ra	74.16 319	P	P	15 42 18.0	+1.7
MSU	Mariavale	74.19 326	eP	P	15 42 18.0	+1.6
P17A	Butcher Ranch,	74.19 327	eP	P	15 42 17.6	+1.2
RWWY	Rawlins	74.27 331	eP	P	15 42 18.1	+1.2
SHPR	Shoshone Range	74.32 323	eP	P	15 42 18.4	+1.3
GSC	Goldstone, Bar	74.40 321	eP	P	15 42 19.2	+1.7
GSC	Goldstone, Bar	74.40 321	P	P	15 42 19.4	+1.9
K22A	Casper	74.57 332	P	P	15 42 20.8	+1.3
VNDA	Vanda	74.78 190	eP	P	15 42 18.6	-0.4
EDWZ	Edwards Air Fo	74.81 320	P	P	15 42 21.3	+1.5
RSSD	Black Hills	74.92 334	eP	P	15 42 21.1	+0.6
RSSD	Black Hills	74.92 334	P	P	15 42 21.6	+1.1
LRMC	Laurel Mtn Rad	75.04 320	P	P	15 42 22.9	+1.6
SCZ2	Santa Cruz Isl	75.19 318	P	P	15 42 23.7	+1.7
TPNV	Topopah Spring	75.25 322	eP	P	15 42 24.5	+2.1
TPNV	Topopah Spring	75.25 322	P	P	15 42 24.7	+2.2
MFCO	Manual Prospec	75.33 321	P	P	15 42 24.3	+1.3
JLU	Jordanella	75.41 328	eP	P	15 42 25.0	+1.6
ISA	Isabella, Lake	75.63 320	eP	P	15 42 25.5	+1.0
ISA	Isabella, Lake	75.63 320	P	P	15 42 26.4	+1.9
AGMN	Agassiz Nation	75.74 342	eP	P	15 42 24.6	-0.1
AGMN	Agassiz Nation	75.74 342	P	P	15 42 24.9	+0.1
DUG	Dugway, Toolee	75.78 326	eP	P	15 42 25.5	+0.1
DUG	Dugway, Toolee	75.78 326	P	P	15 42 26.7	+1.3
R11A	Troy Canyon, C	75.88 324	eP	P	15 42 27.1	+1.4
R11A	Troy Canyon, C	75.88 324	P	P	15 42 28.1	+2.0
PKM	McPherson Peak	75.90 319	P	P	15 42 28.1	+1.8
GRAC	Grapevine Rang	75.91 322	P	P	15 42 27.6	+1.5
CWC	Cottonwood Cre	75.93 321	P	P	15 42 28.1	+1.7
VES	Vestal, Richgr	76.11 320	P	P	15 42 28.8	+1.6
BW06	Boulder Array	76.19 330	P	P	15 42 29.1	+1.4
PD31	Pinedale Array	76.19 330	eP	P	15 42 28.3	+0.5
PDAR	Pinedale Array	76.19 330	P	P	15 42 28.5	+0.7
PDAR	Pinedale Array	76.19 330	eP	P	15 42 28.0	+0.2
HWUT	Hardware Ranch	76.23 328	eP	P	15 42 28.6	+0.6
BGU	Big Grassy Mou	76.44 327	eP	P	15 42 29.6	+0.4
SPUT	South Promont	76.44 327	eP	P	15 42 30.3	+1.2
HVU	Hansel Valley	76.95 328	eP	P	15 42 32.9	+0.8
REDW	Red Top Meawo	77.24 330	eP	P	15 42 34.5	+0.8
OMMB	Old Mammoth M	77.28 321	eP	P	15 42 35.3	+1.1
LOHW	Long Hollow	77.32 330	eP	P	15 42 35.2	+1.1
MDPB	Devils Postpil	77.33 321	eP	P	15 42 35.6	+1.2
NV11	Mina Array Sit	77.36 322	eP	P	15 42 35.6	+1.2
TPAW	Teton Pass	77.39 330	eP	P	15 42 35.7	+1.2
ELK	Elko	77.43 325	eP	P	15 42 35.9	+1.1
NV01	Mina Array Sit	77.44 322	eP	P	15 42 36.1	+1.2
NVAR	Mina Array Bea	77.44 322	P	P	15 42 36.3	+1.4
MOOW	Moose Ponds	77.49 330	eP	P	15 42 36.0	+1.0
ULM	Lac du Bonnet	77.50 342	P	P	15 42 34.8	+0.1
ULM	Lac du Bonnet	77.50 342	eP	P	15 42 34.6	0.0
IMW	Indian Meadow	77.70 330	eP	P	15 42 37.3	+1.0
RYN	Ryan	77.70 322	eP	P	15 42 37.7	+1.4
FLWY	Flagg Ranch	77.73 330	eP	P	15 42 38.0	+1.6
TOAO	Torodi Ar. Sit	77.73 70	eP	P	15 42 36.8	+0.0
TORD	Torodi Ar. Bea	77.73 70	eP	P	15 42 36.3	-0.5
TORD	Torodi Ar. Bea	77.73 70	eP	P	15 43 04.0	0.0
TORD	Torodi Ar. Bea	77.73 70	eP	P	15 43 16.6	+1.2
KRD	Kaiserwiler	77.79 323	eP	P	15 42 37.4	+0.8
RLMT	Red Lodge	77.92 332	eP	P	15 42 38.2	+0.8
RLMT	Red Lodge	77.91 332	P	P	15 42 38.9	+1.6
H17A	Grant Village	77.92 331	eP	P	15 42 39.0	+1.6
H17A	Grant Village	77.92 331	P	P	15 42 39.1	+1.6
WKAR	Walker	78.14 321	eP	P	15 42 40.6	+1.9
YMR	Madison River	78.31 331	eP	P	15 42 41.5	+2.0
YHH	Holmes Hill	78.35 331	eP	P	15 42 41.9	+2.0
YERR	Yerrington	78.36 322	eP	P	15 42 41.5	+1.6
DGMT	Dagmar	78.62 337	eP	P	15 42 42.5	+1.6
DGMT	Dagmar	78.62 337	P	P	15 42 42.5	+1.6
PNTR	Pine Nut	78.63 322	eP	P	15 42 43.2	+1.8
PAHR	Pah Rah Rang	78.93 322	eP	P	15 42 44.8	+1.8
TSUM	Tsumeb	79.05 106	eP	P	15 42 45.5	+1.3
HLID	Hailey	79.09 328	eP	P	15 42 45.7	+1.9
HLID	Hailey	79.09 328	P	P	15 42 45.6	+1.8
MCMT	McKenzie Canyo	79.29 330	eP	P	15 42 46.8	+1.8
AFDM	Forest Hills D	79.32 321	eP	P	15 42 46.1	+1.1
BOZ	Bozeman (W)	79.32 331	eP	P	15 42 46.1	+1.1
DLMT	Dillon	79.58 330	eP	P	15 42 47.9	+1.5
BEKR	Beckworth	79.59 322	eP	P	15 42 47.9	+1.2
ORV	Orville	80.03 321	eP	P	15 42 50.1	+1.3
HRY	Holter Resear	80.27 331	eP	P	15 42 51.3	+1.2
EGMT	Eagleton	80.41 333	eP	P	15 42 51.4	+0.7
EGMT	Eagleton	80.41 333	P	P	15 42 51.8	+1.1
O03E	Paynes Creek	80.70 322	P	P	15 42 52.7	+0.3
MOD	Modoc Plateau	80.95 324	eP	P	15 42 54.2	+0.4
J08A	Circle Bar Ran	80.98 326	eP	P	15 42 55.0	+1.1
O02D	Mt. Diablo Mer	81.18 321	P	P	15 42 56.0	+1.0
baz=131						
M50	Missoula	81.30 330	P	P	15 42 57.1	+1.5
WDC	Whitneytown Da	81.31 321	eP	P	15 42 55.2	-0.3
KCPM	Chato Creek	81.33 320	eP	P	15 42 57.3	+1.4
BMO	Blue Mountains	81.45 327	eP	P	15 42 57.2	+0.9
N02D	Trinity Center	81.66 322	P	P	15 42 58.6	+1.0
M04C	Macdoel	81.71 323	P	P	15 42 59.1	+1.3
KMRM	Madison River	81.75 321	eP	P	15 42 59.7	+1.7
K05A	Summer Lake	81.83 324	eP	P	15 43 00.1	+1.6
M02C	Callahan	82.02 322	P	P	15 43 00.3	

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNL White River, YUK2 Dusty Glacier, YUK7 Moose Creek, etc.

MEX 03 15:32:56.5-0.5, 16:32N-97.91W, h20km, 18km, MD3.6, Oaxaca. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

MAN 03 15:34:26.5, 12:86N, 124:85E, h11km, mb4.6, ML3.4, MS3.3, Samar. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

ISCJB 03 15:41:52.5-1.1, 30:45S-0:06, 178:9W, 0.2, h400km, mb2.7/2, Error ellipse: s-maj=26.2km s-min=7.8km az=7.8

ISC 03 15:41:53.9-9.9, 30:16S-179:11W, h384km, 100km, mb2.5/2, mb1.2, 8.3, mb1mx2.7/2.1, mbtmp3.4/3, Error ellipse: s-maj=106.1km s-min=47.7km az=2.0

ISC 03 15:41:54.5-1.9, 30:6S-0:1, 179:0W, 0.3, h400km, n26, r125/41, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLKZ Green Lake, RIZ Raoul Island, MXZ Matakaoa Point, etc.

ISC 03 15:56:34.3-2.9, 6:38S-147:38E, h0km, mb3.4/2, mb1.3/4, mb1mx3.3/2, mbtmp3.3/4, ML3.1/1, MS3.5/1, Ms1.3/1, ms1mx2.5/1.7, Error ellipse: s-maj=60.4km s-min=32.4km az=91.0, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 03 16:00:56.0-3.3, 6:17S-147:32E, h0km, mb3.2/2, mb1.3/4, mb1mx3.2/2, mbtmp3.2/4, ML3.2/1, Error ellipse: s-maj=69.5km s-min=34.6km az=86.0, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

JMA 03 16:13:55.9-0.2, 24:80N, 122:13E, h77km, 3km, M1.6, ISCJB 03 16:13:56.3-0.5, 24:79N, 0:03, 122:15E, 0.2, h77km, 4km, Error ellipse: s-maj=4.4km s-min=2.9km az=165.9

TAP 03 16:13:56.1, 24:80N, 122:13E, h79km, ML2.6, C, ISC 03 16:13:56.7-1.4, 24:79N, 0:04, 122:15E, 0:03, h76km, 7km, n60, r052/105, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EOS1 EOS1, TWB1 Santiaoa Chiao, NTC Toucheng, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NTC baz=281, TWC Suao, TWC baz=232, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ENA Nanao, ENA baz=223, TWA Mucha, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ENTT Nioudou, ENTT baz=252, NWLTL Ululai, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NHDH Xindian Distri, NHDH baz=286, NHTD Datong Townshp, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YM07 YM07, YM07 baz=308, TATO Taipei, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YM01 YM01, YM01 baz=286, YM01 baz=304, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YM11 YM11, YM11 baz=305, YM05 YM05, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YM04 YM04, YM04 baz=303, YM04 baz=303, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YHNB Yehng, YHNB baz=259, YHNB baz=259, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWS1 Kuangyinshan, TWS1 baz=295, TWS1 baz=295, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NNSB Datong, NNSB baz=241, NNSB baz=241, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NNS Nan Shan, NNS baz=242, NNS baz=242, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NACB Ninganchiao, NACB baz=218, NACB baz=218, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JYNG Yonagunijimaku, JYNG baz=218, JYNG baz=218, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ETHL Xiulun Townshi, ETHL baz=225, ETHL baz=225, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, YOJ baz=112, YOJ baz=112, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, YOJ baz=112, YOJ baz=112, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NCUH Zhongli, NCUH baz=213, NCUH baz=213, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHF Hehuan Shan, WHF baz=230, WHF baz=230, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWT Tachien, TWT baz=238, TWT baz=238, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NSTT Nanjiang, NSTT baz=238, NSTT baz=238, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHGB Renai, CHGB baz=229, CHGB baz=229, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ESL Shilin, ESL baz=212, ESL baz=212, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHP Taichung City, WHP baz=244, WHP baz=244, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OWD Renai, OWD baz=226, OWD baz=226, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NMLH Miaoli, NMLH baz=257, NMLH baz=257, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NSY Santiaoa, NSY baz=252, NSY baz=252, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWQ1 Liyutan, TWQ1 baz=249, TWQ1 baz=249, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VVDT YWDT, VVDT baz=221, VVDT baz=221, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HGSD Ruisui, HGSD baz=206, HGSD baz=206, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SMLT Sun Moon Lake, SMLT baz=230, SMLT baz=230, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TYC Yuchr, TYC baz=232, TYC baz=232, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SSLB Suanglung, SSLB baz=226, SSLB baz=226, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EHY Hungye, EHY baz=209, EHY baz=209, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, IRIF baz=209, IRIF baz=209, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YULB Yu-li, YULB baz=208, YULB baz=208, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YULB Yu-li, YULB baz=208, YULB baz=208, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHYT Xinyi Township, WHYT baz=226, HATJ Kuroshima jima, etc.

IDC 03 16:19:01.1-1.4, 10:37N, 62:12W, h0km, mb3.6/4, mb1.4/0.6, mb1mx3.6/40, mbtmp3.6/6, ML3.9/2, MS3.1/2, Ms1.3/1/2, ms1mx2.6/4/1, Error ellipse: s-maj=47.8km s-min=23.7km az=40.0

ISCJB 03 16:19:04.9-0.4, 10:33N, 0:03, 62:38W, 0:03, h25km, mb3.9/5, Error ellipse: s-maj=5.0km s-min=2.9km az=37.3

TRN 03 16:19:06.6-1.0, 20:20N, 0:04, 62:17W, 0:05, h25km, n83, r186/100, mb3.7/5, Near coast of Venezuela

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ALNG Atlantic LNG, BUAY Buenos Aires, TPP Pointe-a-Pierre, etc.

3d 16h

ISCJB 03 16:27.25.7.0.3.8'81N.0'02.126'43E.0'03.h74km.33km, mb4.7/125, Error ellipse: s-maj=4.7km s-min=2.7km az=167.7

IDC 03 16:27.27.0.1.5.8'79N.126'34E.h72km.13km, mb4.3/30, mb1 4.5/32, mb1mx4.4/41, mbtpm4.7/32, MS4.9/1, Ms1 4.9/1, ms1mx3.1/46, Error ellipse: s-maj=14.4km s-min=7.3km az=84.0

DJA 03 16:27.26.0.1.4.9'N.3'12'6E.1'h11km.11km, M4.8/30, mb5.1/11, mb4.8/30, MLV5.5/3, Mw(mb)4.5/11

NEIC 03 16:27.27.0.5.8'79N.126'31E.h74km.5km, mb4.8/75, Error ellipse: s-maj=5.7km s-min=2.9km az=80.0

NEIC Felt [I PIVS] at Tandag, [II PIVS] at Bislig and [III PIVS] at Surigao. Also felt at Butuan.

ISC 03 16:27.26.0.7.8'80N.0'03.126'44E.0'05.h79km.6km, m290.0.1556/324, mb4.8/125, 25C-4D, Mindanao

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

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Main table of seismic events with columns: Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists numerous seismic events with their respective station data.

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Table of seismic events with columns: Station Name, Az, Phase ID, ISC, Time, Res, ISC. Lists seismic events with station data, including station names like ULN, JIRN, BB00, etc.

Table with columns: 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 NRK, RPZ, BKZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CHTO, CM31, CMAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like QIZ, CD2, CD2, etc.

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).













3d 16h

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Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like F37A Hinrichs Farm, F40A Park Falls, F51A Arnstein, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like K41A Shullsburg, K43A Burlington, K48A Anamosa, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like W18A Petrified Fore, KSU1 Kansas State U, O49A Covington, etc.





3d 16h

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

ISC 03 16:47:40.8, 1.1, 50.23N, 0.05:18.89E, 0.04, h0km, n8, 0682/14, Poland

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

ISCJBJ 03 16:48:24.7, 0.5, 43.01N, 0.10:136.97E, 0.07, h350km, mb2.9/6, Error ellipse: s-maj=13.4km s-min=6.5km az=15.9

ISC 03 16:48:25.7, 1.3, 43.02N:136.54E, h319km, 14km, mb2.8/6, mb1 2.9/10, mb1mx2.7/67, mbtmp3.5/10, Error ellipse: s-maj=26.8km s-min=18.4km az=4.0

ISC 03 16:48:25.7, 0.9, 42.91N:10.137:02E, 0.07, h350km, n22, 01559/24, mb2.8/6, Eastern Sea of Japan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHST, JSH, JYM2, etc.

ISN 03 16:57:06.6: 0.8, 36.65N:43.23E, h0km, 3km, ML3.8

ISCJBJ 03 16:57:13.4, 0.4, 36.25N:0.03:43.27E, 0.07, h10km, Error ellipse: s-maj=8.3km s-min=3.7km az=156.4

DDA 03 16:57:17.6, 36.80N:43.02E, h9km, 5km, ML3.4

ISK 03 16:57:18.8, 36.79N:43.23E, h5km, ML3.5/10

ISC 03 16:57:20.7, 2.2, 36.38N:01.4331E, 0.07, h10km, n25, 01527/19, Iraq

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

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

BUI 03 16:58:06.7, 3.26N:127.137:39E, h12km, mb4.4/30, mB5.1/13, M4.7/4, M57 4.5/4

IDC 03 16:58:11.4: 0.6, 36.76N:136.72E, h0km, mb4.1/29, mb1 4.2/33, mb1mx4.1/71, mbtmp4.1/33, ML3.2/4, Error ellipse: s-maj=15.1km s-min=9.1km az=3.0

ISCJBJ 03 16:58:13.0, 0.4, 36.76N:0.02:136.72E, 0.03, h20km, 3km, mb4.3/59, M54.6/1, Error ellipse: s-maj=4.0km s-min=3.5km az=2.7

NEIC 03 16:58:13.1: 0.8, 36.76N:136.79E, h11km, 5km, mb4.6/17, Error ellipse: s-maj=5.2km s-min=4.0km az=162.0

NEIC Recorded (4 JMA) in Ishikawa and Toyama

JMA 03 16:58:13.4, 36.73N:136.79E, h13km, 1km, M4.2

Broadband fault plane solution: P waves, NP2: 0.336, 0.00000, 0.866, 0.00000, 1.566, 0.00000. NP2: 0.214, 0.00000, 0.841, 0.00000, 1.411, 0.00000. Principal axes: T P1g56.00000, Azm202.00000, N P1g30.00000, Azm352.00000, P P1g14.00000, Azm90.00000

JMA Felt IV J1

MOS 03 16:58:14.9, 1.1, 36.79N:136.72E, h33km, mb4.7/15 Error ellipse: s-maj=8.3km s-min=5.8km az=108.4

ISC 03 16:58:13.3: 0.6, 36.79N:0.03:136.79E, 0.03, h11km, 5km, n192, 01938/15, mb4.3/59, 8C-12D, Near west coast of eastern Honshu

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ULN, MA2, SONM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VASULA, SUMMIT, AKASG, etc.

MAN 03 17:02:17.7, 5:76N; 126:52E, h103km, mb4.9, ML3.8, M3.3.8

ISCJB 03 17:19:2.0, 5:74N; 126:29E, 0:06, h92km, 7km, mb3.77, Error ellipse: s-maj=11.1km s-min=6.7km az=157.0

IDC 03 17:02:21.1, 1.3, 5:98N; 126:28E, h111km, mb3.4/6, mb1 3.5/7, mb1mx3.1/51, mbtmp3.7/7, MS3.9/2, Ms1 3.9/2, ms1mx3.2/27, Error ellipse: s-maj=74.7km s-min=13.5km az=63.0

ISC 03 17:02:20.6, 0.8, 5:77N; 126:27E, 0:07, h94km, 9km, n22, c2512/32, mb3.6/7, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DON MARCELINO, MATI, DAVAO CITY, etc.

ISK 03 17:04:00.7, 37:85N; 29:09E, h18km, ML2.2/4

ISCJB 03 17:04:01.7, 0.8, 37:86N; 0:04, 29:07E, 0:07, h13km, 7km, Error ellipse: s-maj=9.5km s-min=6.8km az=7.4

DDA 03 17:04:01.8, 37:86N; 29:08E, h7km, 1km, ML2.5

ISC 03 17:04:01.4, 1.2, 37:86N; 0:04, 29:11E, 0:07, h15km, 8km, n9, c0F53/13, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DENIZLI, KARAHALLI, KULA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LUWU, KMSI, AMPANA, etc.

ISCJB 03 17:10:19.7, 0.3, 24:06N; 0:02, 122:38E, 0:02, h36km, 17km, Error ellipse: s-maj=3.3km s-min=2.2km az=157.6

JMA 03 17:10:19.1, 0.1, 24:05N; 122:35E, h53km, 2km, M2.3

TAP 03 17:10:19.7, 0.1, 24:07N; 122:35E, h55km, ML2.8, C

ISC 03 17:10:19.3, 1.1, 24:07N; 0:03, 122:36E, 0:02, h29km, 11km, n76, c0F77/138, 3D, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EOSI, JYNG, NANB, ENA, HWA, TWD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YM11, YM05, FULB, etc.

IDC 03 17:36:20.1, 3.1, 44:24N; 130:18W, h0km, mb3.3/4, mb1 3.6/8, mb1mx3.4/39, mbtmp3.3/8, ML3.2/4, MS3.6/1, Ms1 3.7/1, ms1mx2.9/19, Error ellipse: s-maj=59.4km s-min=19.8km az=49.0

ISCJB 03 17:36:23.9, 1.3, 44:57N; 0:08, 129:56W, 0:1, h13km, mb3.4/3, MS3.4/1, Error ellipse: s-maj=139.6km s-min=6.1km az=139.6

NEIC 03 17:36:25.0, 1.9, 44:56N; 129:58W, h10km, mb3.8/1, Error ellipse: s-maj=27.5km s-min=12.3km az=56.0

ANF 03 17:36:26.0, 2.2, 44:60N; 129:45W, h5km, ML3.3/4, Error ellipse: s-maj=24.0km s-min=9.4km az=73.0

ISC 03 17:36:25.4, 1.8, 44:55N; 0:1, 129:77W, 0:1, h13km, n29, c1F70/25, mb3.3/3, Off coast of Oregon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SWISSHOE, COR, G03D, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for D04E Lakebay, YBH Yreka Blue Hor, L04D Klamath Falls, etc.

MEX 03 17:52:32.7±0.6, 16.38N:98.30W, h11km, 4km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PNIG Pinotepa, PNIG Tlapa, TLIG Tlapa.

JMA 03 17:59:49.0±4.0, 36.70N:142.34E, h15km, 4km, M3.3, ISCJB 03 17:59:50.3±1.0, 36.70N:142.33E, h08, h19km, mb3.3/4, Error ellipse: s-maj=9.8km s-min=5.3km az=22.4

ISC 03 17:59:54.5±1.6, 37.19N:141.78E, h0km, mb3.3/4, mb1 3.5/6, mb1mx3.3/37, mbtmp3.3/6, ML3.0/2, Error ellipse: s-maj=35.3km s-min=27.9km az=121.0

ISC 03 17:59:53.5±1.3, 36.75N:142.11E, h0.07, h19km, n29, c1503/30, mb3.3/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ONAJ Iwakimizuishiy, JFK Kawauchi, JFH Hitachi, etc.

ISC 03 18:22:15.9±4.4, 19.04S:176.23W, h0km, mb3.7/2, mb1 4.0/2, mb1mx3.4/43, mbtmp3.7/2, Error ellipse: s-maj=256.3km s-min=46.2km az=151.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, ARCES ARCESS Array B, etc.

ISCJB 03 18:29:50.9±0.8, 40.4S:0.2±45.4E:0.2, h10km, mb4.1/8, MS3.5/5, Error ellipse: s-maj=31.2km s-min=14.3km az=39.9

ISC 03 18:29:50.9±0.8, 40.35S:45.49E, h0km, mb4.1/9, mb1 4.2/9, mb1mx3.8/49, mbtmp4.1/9, MS3.6/5, Ms1 3.5/5, ms1mx3.2/27, Error ellipse: s-maj=36.0km s-min=17.5km az=37.0

ISC 03 18:29:52.6±0.9, 40.4S:0.2±45.5E:0.2, h10km, n15, c099/11, mb4.0/8, MS3.4/5, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for BOSA Boshof, LBTB Lotbatse, MATP Matopo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, etc.

IDC 03 18:31:50.8±7.9, 19.33S:168.24E, h288km, 35km, mb3.5/5, mb1 3.7/5, mb1mx3.1/51, mbtmp4.2/5, Error ellipse: s-maj=107.5km s-min=71.4km az=82.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DZM Mont Dzumac, DZM Warramunga Arr, CTA Charters Tower, etc.

IDC 03 18:38:40.5±19.0, 21.49S:174.56W, h0km, mb4.2/5, mb1 4.3/5, mb1mx3.8/49, mbtmp4.2/5, MS4.0/2, Ms1 4.0/2, s-min=149.3km az=80.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for RAO Raoul Island, CTA Charters Tower, STKA Stephens Creek, etc.

NIED 03 18:41:00, 36.80N:143.90E, h5km, Mw4.8 Best double couple: M1:1.94000x1016 NP1:0.61.00000°, δ28.00000°, λ-95.00000°. NP2:0.247.00000°, δ62.00000°, λ-87.00000°

ISCJB 03 18:41:24.5±0.8, 36.76N:144.00E:0.2, h4km, 4km, mb5.0/32, MS4.4/64, Error ellipse: s-maj=3.2km s-min=2.0km az=162.5

IDC 03 18:41:25.4±0.3, 36.69N:144.09E, h0km, mb4.7/43, mb1 4.8/50, mb1mx4.8/59, mbtmp4.7/50, ML4.0/5, MS4.0/31, Ms1 4.0/31, ms1mx3.9/34, Error ellipse: s-maj=10.9km s-min=8.3km az=107.0

NEIC 03 18:41:26.6±1.4, 36.70N:144.07E, h10km, 6km, mb5.1/240, Error ellipse: s-maj=3.3km s-min=2.1km az=136.0

BUI 03 18:41:27.9, 36.92N:144.03E, h29km, mb4.8/55, mb5.1/40, Ms4.5/55, Ms7 4.4/53

MOS 03 18:41:28.4±1.0, 36.77N:144.01E, h30km, mb5.2/84, MS4.8/20, Error ellipse: s-maj=6.3km s-min=4.4km az=109.9

JMA 03 18:41:29.1±0.2, 36.80N:143.87E, h56km, Ms1.1, GCMT 03 18:41:29.5±0.2, 36.70N:0.1:143.93E:0.03, h12km, MW4.9/92, Moment Tensor Solution. s35.c48; s92.c155; Duration: 0 Moment tensor: Scale 1016Nm; Mr-2.90±.06; Mw±2.2±.06; Mw±0.78±.06; Mw±0.07±.20; Mw±0.94±.05; Ms1.66±.24; Best double couple: M3:1.3800x1016 NP1:0.220.00000°, δ57.00000°, λ-114.00000°. NP2:0.80.00000°, δ41.00000°, λ-58.00000°. Principal axes: T 2.7060, Plg8.0000°, Azm327.0000°, P -0.8610, Plg2.0000°, Azm234.0000°, P -3.5670, Plg68.0000°, Azm79.0000°, nstia1 refers to body waves, cutoff=40s. nstia2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 03 18:41:28.9±1.0, 36.75N:0.03:144.02E:0.03, h23km, 6km, n1008, c1516/1043, mb5.0/338, MS4.4/64, 43C-24D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for JIKH Ishinomakikobu, JFK Kawauchi, JFH Iwakimizuishiy, etc.

MAJO Matsushiro 4.68 269 ePn Sn 18 42 38.2 +0.2

MAJO Matsushiro 4.68 269 ePn Sn 18 42 38.5 +0.4

MAT Matsushiro 4.68 269 ePn Sn 18 42 38.3 +0.2

MAT Matsushiro 4.68 269 ePn Sn 18 42 38.5 +1.1

MJB2 Matsu-Tunnel 4.68 269 ePn Sn 18 42 38.4 +0.3

JHB Mitsuse 5.00 225 ePn Sn 18 42 40.5 -2.1

JHJ Hachioji jima 2. 5.02 225 Pn Sn 18 42 40.5 -2.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for INU Inuyama, JCH Churui, JOC Okushiri-Mats, etc.

ASAJ Asahikawa 7.44 352 Pn Pn 18 43 14.4 -1.5

ASAJ Asahikawa 7.44 352 Pn Pn 18 43 14.4 -1.5

ASAJ Asahikawa 7.44 352 Pn Pn 18 43 14.4 -1.5

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ASAJ Asahikawa 7.44 352 Pn Pn 18 43 14.4 -1.5



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Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes entries like 3UL Kulim, DANN Dangsing, MTN Mantong Dam, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes entries like ARU Arti, ARU Bhopal, ARU Kabul, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes entries like HAWA Hanford, C09A Chrisman Ranch, D08A Wolman Farm, etc.

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Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like TBLG Delisi, KIV Kislovodsk, WAKR Walker, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Array B, LOHW Long Hollow, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like MDND Maddock, MDND Maddock, U15A North Rim, etc.

3d 26.2 -1.6

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like MDND Maddock, MDND Maddock, U15A North Rim, etc.





WHAR	Woolly Hollow	91.26	43	eP	P	18 54 32.3	-0.2
W41B	Gary Mavity, V	91.36	43	eP	P	18 54 32.7	-0.3
W41B	Gary Mavity, V	91.36	43	eP	P	18 54 33.0	0.0
O49A	Covington	91.49	35	P	P	18 54 33.1	-0.4
X40A	Basin Creek Fa	91.55	44	eP	P	18 54 33.8	-0.1
X40A	Basin Creek Fa	91.55	44	eP	P	18 54 34.2	+0.3
Q48A	North Vernon	91.83	37	P	P	18 54 35.2	+0.1
P49A	Miami Univ. Ec	91.83	36	P	P	18 54 35.0	-0.1
ACSO	Alum Creek Sta	92.07	34	P	P	18 54 36.3	+0.1
K55A	Perry	92.09	30	P	P	18 54 36.4	+0.1
T46A	Princeton	92.24	39	P	P	18 54 37.7	+0.7
S47A	Hartford	92.32	38	P	P	18 54 37.7	+0.4
S48A	Wiedeman Farm,	92.68	38	P	P	18 54 39.1	+0.1
T47A	Sharon Grove	92.68	39	P	P	18 54 39.2	+0.1
M55A	Ridgway	92.87	31	P	P	18 54 39.8	-0.1
Q51A	Peebles	92.88	35	P	P	18 54 40.2	+0.3
S49A	Springfield	92.95	37	P	P	18 54 40.5	+0.2
WVT	Waverly	92.98	40	P	P	18 54 40.6	+0.1
R50A	Paris	93.02	36	P	P	18 54 40.9	+0.3
V46A	Holladay	93.09	40	P	P	18 54 41.3	+0.4
U48A	Cassie Pea, Po	93.34	39	P	P	18 54 41.7	-0.4
R51A	Hillsboro	93.35	36	P	P	18 54 42.2	+0.1
N55A	Marion Center	93.35	31	P	P	18 54 42.6	+0.4
T47A	Edmonton	93.37	38	P	P	18 54 42.5	+0.3
V49A	Nunnally	93.37	40	P	P	18 54 42.5	+0.2
OXF	Oxford	93.40	42	P	P	18 54 42.6	+0.3
S50A	Richmond	93.46	36	P	P	18 54 42.9	+0.3
P54A	Burton	93.69	33	P	P	18 54 43.7	0.0
U49A	Red Boiling Sp	93.72	38	P	P	18 54 43.9	+0.1
T50A	Nancy	93.78	37	P	P	18 54 44.2	+0.1
W47A	Westpoint	93.78	40	P	P	18 54 44.1	0.0
V48A	Smith Brothers	93.80	39	P	P	18 54 44.3	+0.1
Q53A	Leroy	93.84	34	P	P	18 54 44.4	0.0
S51A	Beattyville	93.88	36	P	P	18 54 44.5	-0.1
Q54A	Coxs Mills	94.05	33	P	P	18 54 45.5	+0.1
W48A	Pulaski	94.21	40	P	P	18 54 46.2	+0.1
X47A	Russelville	94.21	41	P	P	18 54 46.1	0.0
V49A	McMinnville	94.24	39	P	P	18 54 46.3	+0.1
LNIG	Linares	94.37	55	eP	P	18 54 45.8	-1.3
W49A	Belvidere	94.57	39	P	P	18 54 47.6	-0.2
R54A	Victor	94.64	34	P	P	18 54 47.7	-0.4
X49A	Woodville	95.01	40	P	P	18 54 48.7	-1.1
KEST	Kesra	96.49	324	LR	LR	19 45 41.1	
ESDC	Sonsec Array	96.44	336	P	Pdf	18 55 05.9	+0.6
ESDC	comp-Z, 0.5nm, 0.6s, baz=54, slow=7, SNR=2.9			LR	LR	19 45 21.4	
VNDA	Vanda	114.53	176	PKP	PKPpdf	19 00 04.6	-1.1
VNDA	comp-Z, 1.32nm, 19.1s, baz=90, slow=9			PKP	PKPpdf	19 00 04.8	-0.9
TOA1	Torodi Arr. Sit	118.98	317	PKP	PKPpdf	19 00 15.3	-0.8
TORD	Torodi Arr. B	118.99	317	PKP	PKPpdf	19 00 15.3	-0.8
TORD	comp-Z, 2.9nm, 0.3s, baz=35, slow=3.5, SNR=8.7			PP	PP	19 01 33.7	-1.0
QSPA	South Pole Qui	127.90	319	PKP	PKPpdf	19 00 28.2	-0.8
DBIC	Dimbokro	123.90	317	PKP	PKPpdf	19 00 32.3	-1.0
SYO	Syowa Base	128.89	207	PKP	PKPpdf	18 57 22.3	+2.7
VNA2	Neumayer-Watz	142.60	195	P	PKPpre	19 00 54.9	
VNA3	Neumayer Olymp	142.81	194	P	PKPpre	19 00 54.2	
VNA1	Neumayer-Stat	143.00	195	P	PKPpre	19 00 54.9	
BP12	IPOC Station P	144.88	68	eP	PKPpdf	19 01 05.1	+0.5
LPAZ	La Paz	145.00	63	PKP	PKPbc	19 01 04.4	-0.4
LPAZ	comp-Z, 2.4nm, 0.8s, baz=32, slow=2, SNR=2.1			PKPbc	PKPbc	19 01 02.8	-2.0
LPAZ	La Paz	145.00	63	eP	PKPbc	19 01 04.4	-0.4
LPAZ	La Paz	145.00	63	eP	PKPbc	19 01 02.8	-2.0
PSGIC	Pisagua	145.62	70	eP	PKPpdf	19 01 05.9	+0.1
MNMC	Minye Minye	145.74	68	eP	PKPpdf	19 01 06.5	+0.3
MNMC	Minye Minye	145.74	68	eP	PKPbc	19 01 07.7	+0.6
PB11	IPOC Station P	146.07	69	eP	PKPpdf	19 01 07.2	+0.5
PB11	IPOC Station P	146.07	69	eP	PKPbc	19 01 07.9	+0.4
GO01	Chuzmiza	146.37	69	eP	PKPpdf	19 01 08.4	+0.8
PB08	IPOC Station P	146.68	69	eP	PKPpdf	19 01 08.5	+0.5
PB01	IPOC Station P	147.04	72	eP	PKPpdf	19 01 08.7	+0.7
PB07	IPOC Station P	147.04	72	eP	PKPbc	19 01 08.8	+0.5
PB03	IPOC Station P	147.33	73	eP	PKPbc	19 01 11.3	+0.2
PB09	IPOC Station P	147.58	72	eP	PKPbc	19 01 09.0	-0.2
PB06	IPOC Station P	147.83	74	eP	PKPpdf	19 01 10.1	+0.5
LVC	Limon Verde	148.29	73	eP	PKPbc	19 01 12.6	-1.3
LVC	Limon Verde	148.29	73	eP	PKPbc	19 01 10.1	-0.5
GO02	Mina Guanaco	149.10	78	eP	PKPpdf	19 01 13.1	+1.4
RCBR	Riachuelo	149.23	360	eP	PKPpdf	19 01 11.5	-0.5
RCBR	Riachuelo	149.23	360	eP	PKPbc	19 01 11.5	-0.5
GO03	Copiap	149.74	82	eP	PKPbc	19 01 17.4	+0.3
GO03	Copiap	149.74	82	eP	PKPbc	19 01 17.2	+0.1
LCO	Las Campanas	149.86	85	eP	PKPbc	19 01 17.9	+0.1
LCO	Las Campanas	149.86	85	eP	PKPbc	19 01 17.2	-0.6
GO04	Tololo Observa	150.34	87	eP	PKPbc	19 01 18.5	-0.2
HJA	Hemahuaca	151.29	70	eP	PKPbc	19 01 23.1	+1.3
PEL	Peidehue	151.42	93	eP	PKPpdf	19 01 14.4	-0.4
PEL	Peidehue	151.42	93	eP	PKPbc	19 01 14.4	-0.4
VCA	Vinchina	151.84	83	eP	PKPbc	19 01 22.6	+0.1
SLA	San Lorenzo	152.05	73	eP	PKPbc	19 01 23.3	+0.2
FSA	Cafayete	152.40	76	eP	PKPbc	19 01 23.9	+0.2
ASAL	Salagasta	152.74	91	eP	PKPpdf	19 01 16.5	-0.4
PLCA	Paso Flores	152.85	109	eP	PKPbc	19 01 23.9	0.0
PLCA	comp-Z, 0.7nm, 1.0s, baz=2.7, slow=1.8, SNR=7.3			PKPbc	PKPbc	19 01 23.3	-0.6
PLCA	Paso Flores	152.85	109	eP	PKPbc	19 01 23.3	-0.6
CYA	Choya	153.63	80	eP	PKPpdf	19 01 20.4	+2.2
BDFB	Brasilia	156.41	30	PKP	PKPbc	19 01 50.2	-0.5
BDFB	comp-Z, 1.3nm, 0.3s, baz=17, slow=6.9, SNR=5.6						

ellipse: s-maj=8.5km s-min=4.3km az=131.8  
 ISC 03 18:42:54.2, 0.4, 37.39N, 0.005, 96.96E, 0.03, h10km, n191,  
 c=183/198, mb4.5/49, MS3.6/3, 3C-9D, Qinghai

Code	Station Name	Δ° AZ°	Phase	ID	Time Res	ISC
GTA	Gaotai	3.01 47	Op	Pn	18 43 43.0	+0.9
GTA			Pb	Pn	18 43 47.0	-1.0
GTA			Sb	Pn	18 44 19.7	+1.4
GTA			Sg	Pn	18 44 26.3	+1.4
GTA	comp-N, 430nm, 1.0s		smax	smax		
GTA	comp-E, 550nm, 0.7s		smax	smax		
LZH	Lanzhou	5.68 101	eP	Pn	18 44 18.2	-0.5
LZH			Pg	Pb	18 44 32.0	-1.4
LZH			Sg	Pn	18 45 23.3	-0.7
LZH			Sb	Pn	18 45 42.2	+0.6
LZH	comp-N, 2μm, 0.7s		smax	smax		
LZH	comp-E, 2μm, 0.7s		smax	smax		
LZH	comp-E, 3μm, 4.0s		LR	LR		
LZH	comp-Z, 2μm, 7.1s		LR	LR		
LSA	Lhasa	9.07 214	eP	Pn	18 45 04.8	-0.8
LSA	Lhasa	9.07 214	eP	Pn	18 45 04.8	-0.8
WMQ	Urumqi	9.53 315	P	Pn	18 45 13.6	+2.1
WMQ			S	Pn	18 45 21.2	
WMQ			Sb	Pn	18 47 03.3	+4.6
WMQ	comp-N, 230nm, 1.1s		smax	smax		
WMQ	comp-E, 310nm, 0.9s		smax	smax		
WMQ	comp-Z, 430nm, 13.1s		LR	LR		
WMQ	Urumqi	9.53 315	eP	Pn	18 45 12.5	+1.0
WMQ	Urumqi	9.53 315	eP	Pn	18 45 12.5	+1.0
XAN	Xi'an	10.28 105	P	Pn	18 45 17.9	-3.9
XAN			LR	LR		
XAN	comp-N, 680nm, 8.1s		LR	LR		
XAN	comp-Z, 670nm, 10.8s		LR	LR		
XAN	Xi'an	10.28 105	eP	Pn	18 45 17.4	-4.3
XAN	Xi'an	10.28 105	eP	Pn	18 45 17.4	-4.4
BTO	Baotou	10.66 68	eP	Pn	18 45 23.7	-3.2
HHC	Hu-ho-hao-te	11.86 69	S	Pn	18 45 45.7	+2.4
HHC			S	Pn	18 47 57.3	+1.6
HHC			LR	LR		
HHC	comp-N, 420nm, 7.9s		LR	LR		
HHC	comp-Z, 630nm, 7.8s		LR	LR		
SONAO	Songino Array	12.53 31	eP	Pn	18 45 51.0	-1.5
SONM	Songino Array	12.53 31	Pn	Pn	18 45 51.0	-1.5
SONM	1.7nm, 0.3s, baz=216, slow=15, SNR=37					
SONM	Songino Array	12.53 31	P	Pn	18 45 51.0	-1.5
ENMH	Enshi	12.60 121	P	Pn	18 45 42.5	-1.1
ULN	Ulanbaatar	12.82 32	eP	Pn	18 45 56.9	+0.3
ODAN	Odare	13.26 220	eP	Pn	18 46 06.4	+3.7
GUN	Gumba	13.28 228	eP	Pn	18 46 01.0	-2.0
JIRN	Jiri	13.28 226	eP	Pn	18 46 02.2	-1.0
ZSN	Zaisan	13.43 322	eP	Pn	18 46 04.9	+0.2
ZSN			eS	Pn	18 46 37.1	+3.0
ZSN			smax	smax		
ZSN	Zaisan	13.43 322	eP	Pn	18 46 05.0	+0.2
ZSN	comp-Z, 32nm, 1.3s		eS	Pn	18 48 37.1	+3.0
KKN	Kakani	13.72 229	eP	Pn	18 46 06.7	-2.3
PKI	Pulchoki	13.81 228	eP	Pn	18 46 08.4	-1.9
PKI	comp-Z, 23nm, 0.9s		eS	Pn	18 46 08.1	-2.1
PKIN	Phulchoki	13.81 228	eP	Pn	18 46 08.1	-2.1
DMN	Daman	13.96 229	eP	Pn	18 46 10.1	-2.2
DMN	comp-Z, 25nm, 0.8s		eP	Pn	18 46 16.3	+2.3
DGZ	Jazzart, Alta					

Table with columns: IUG, luzhnay, 21.20 291 eP, P, 18 47 40.0 +0.1, SKNT, Sakonakorn, 21.26 161 P, P, 18 47 41.2 +0.6, PANO, Nakornpanom, 21.26 159 P, P, 18 47 43.7 +3.1, BRLS, Borolday, 21.42 294 eP, P, 18 47 43.7 +1.5, BRZS, Berezinski, 21.49 314 eP, P, 18 47 42.6 -0.3, BRZS, comp=Z,127nm,0.8s, MLR, MLR, BRZS, comp=Z,7.2nm,9.0s, Berezinski, 21.49 314 eP, P, 18 47 42.6 -0.3, BRZS, comp=Z,127nm,0.8s, eLR, LR, 18 55 12.2, KHON, Khomkaen, 21.60 165 P, P, 18 47 45.8 +1.5, UTHA, Uthaitai, 21.60 174 P, P, 18 47 50.8 +3.8, CHAI, Chalaphum, 21.86 167 P, P, 18 47 53.5 +6.4, KBL, Khabul, 22.75 271 eP, P, 18 47 56.8 +0.1, KBL, Khabul, 22.75 271 eP, P, 18 47 56.8 +0.1, BVAR, Borovoye Array, 24.19 319 P, P, 18 48 10.9 +0.3, BRVK, Borovoye, 24.19 319 eP, P, 18 48 11.0 -0.3, BRVK, Borovoye, 24.21 319 eP, P, 18 48 11.8 +0.5, KS15, Wonju Array Si, 24.51 80 eP, P, 18 48 11.1 -2.5, KSAR, Wonju Array Be, 24.51 80 P, P, 18 48 11.0 -2.6, KS01, Wonju Array Si, 24.51 80 P, P, 18 48 11.1 -2.6, KSRS, Korea Array, 24.54 80 P, P, 18 48 11.0 -2.9, HYB, Hydrabad, 25.66 224 P, P, 18 48 24.0 -0.2, KLR, Kut'dur, 27.00 54 eP, P, 18 48 42.5 +0.2, AKTO, Aktyubinsk, 30.61 308 P, P, 18 49 08.4 +0.6, GEYT, Alibeck, 30.61 283 P, P, 18 49 10.1 +1.7, GYA0B, ALIBECK ARRAY, 30.61 283 eP, P, 18 49 09.1 +0.7, ARU, Arti, 31.84 319 eP, P, 18 49 19.2 +0.2, ARU, Arti, 31.84 319 eP, P, 18 49 19.2 +0.3, ARU, 18 50 20.2, ARU, 18 54 29.5 +0.3, ARU, 18 56 13.2 -3.4, NR1K, Nori'sk, 32.42 354 P, P, 18 49 22.8 -1.1, MJAR, Matsushiro, 32.76 79 LR, LR, 19 03 33.3, WSAR, Wadi Sarin, 35.72 258 P, P, 18 49 53.4 +0.4, PRGR, Permogore, 39.74 324 eP, P, 18 50 24.1 -2.5, GNI, Garni, 40.33 291 eP, P, 18 50 34.5 +2.5, VRH, Novokhopovsk, 40.91 308 eP, P, 18 50 36.5 +0.1, KBZ, Khabaz, 40.94 296 P, P, 18 50 37.3 +0.6, KIV, Kislovodsk, 41.05 297 eP, P, 18 50 39.0 +1.2, KIV, 41.12m, 1.1s, MLR, MLR, KLMR, Klimovskoe, 42.52 322 eP, P, 18 50 48.2 -1.2, KLMR, Klimovskoe, 42.52 322 eP, P, 18 50 48.2 -1.2, LPSR, Galich'ya Gora, 42.58 310 eP, P, 18 50 50.0 0.0, OBN, Obninsk, 43.87 314 eP, P, 18 51 02.8 +2.4, CBJI, Citeko, 44.55 166 P, P, 18 51 02.2 -4.0, BILL, Bilibino, 48.23 28 eP, P, 18 51 35.4 +0.8, BR101, Keskin Array S, 48.65 293 eP, P, 18 51 38.6 +0.2, BR131, Keskin Array S, 48.65 293 eP, P, 18 51 38.6 +0.2, BRTR, Keskin Array B, 48.65 293 P, P, 18 51 38.6 +0.2, FIA1, FINESS Array S, 49.03 323 eP, P, 18 51 40.6 -0.2, FIA0, FINESS Array S, 49.03 323 eP, P, 18 51 40.8 -0.1, FIA0, FINESS Array B, 49.03 323 P, P, 18 51 40.8 -0.1, FIA0, FINESS Array S, 49.03 323 P, P, 18 51 40.8 -0.1, ARAD, ARCESS Array S, 49.07 334 eP, P, 18 51 41.1 0.0, ARCES, ARCESS Array B, 49.07 334 P, P, 18 51 41.1 0.0, KWP, Kalwaria Pacla, 53.14 309 eP, P, 18 52 11.9 +0.1, KWP, Kalwaria Pacla, 53.14 309 eP, P, 18 52 12.0 +0.1, VYHS, Vyhne, 55.91 308 eP, P, 18 52 32.7 +0.6, VYHS, Vyhne, 55.91 308 eP, P, 18 52 32.7 +0.6, NB2, NORSAR Subarra, 56.15 324 P, P, 18 52 32.8 -0.9, NOA, NORSAR Array B, 56.15 324 P, P, 18 52 32.9 -0.9, CLL, Collim, 58.45 313 eP, P, 18 52 49.0 -0.9, CLL, Collim, 58.45 313 eP, P, 18 52 49.0 -0.9, GEC2, GERESS Array S, 58.96 310 eP, P, 18 52 53.4 -0.3, GEC2, GERESS Array S, 58.96 310 eP, P, 18 52 53.4 -0.3, GERES, GERESS Array B, 58.96 310 P, P, 18 52 53.6 -0.1, COLA, Colleege, 66.29 251 eP, P, 18 53 42.3 +0.1, ILAR, Eileiscan Array, 66.68 25 P, P, 18 53 41.7 -3.0, WRAB, Tennant Creek, 67.02 142 eP, P, 18 53 49.3 +1.9, WRAB, Tennant Creek, 67.02 142 eP, P, 18 53 49.3 +1.9, WR1, Warramunga Arr, 67.02 142 eP, P, 18 53 44.8 -2.6, WR1, Warramunga Arr, 67.02 142 P, P, 18 53 44.8 -2.6, INK, Inuvik, 68.11 18 eP, P, 18 53 51.9 -1.8, INK, Inuvik, 68.11 18 eP, P, 18 53 52.3 -1.3, INK, Inuvik, 68.11 18 eP, P, 18 53 52.3 -1.3, INK, Inuvik, 68.11 18 eP, P, 18 53 52.3 -1.3, KDAK, Kodiak Island, 68.81 33 P, P, 18 53 55.9 -2.4, KDAK, Kodiak Island, 68.81 33 P, P, 18 53 55.8 -2.4, KDAK, Kodiak Island, 68.81 33 eP, P, 18 53 55.8 -2.4, KDAK, Kodiak Island, 68.81 33 eP, P, 18 53 55.8 -2.4, KLU, Klutina, 69.12 27 eP, P, 18 53 59.1 -1.2, AS31, Alice Springs, 69.98 144 eP, P, 18 54 02.6 -3.3, ASAR, Alice Springs, 69.98 144 P, P, 18 54 03.9 -2.1, OPO, Ambohidratom, 72.75 229 P, P, 18 54 22.4 -0.5, ES06, SONSECA Array, 74.45 308 eP, P, 18 54 32.4 -0.3, ESDC, Sonseca Array, 74.45 308 P, P, 18 54 32.9 +0.2

Table with columns: YKA, Yellowknife Ar, 77.26 14 P, P, 18 54 46.3 -1.9, YKB5, Yellowknife Ar, 77.26 14 eP, P, 18 54 46.2 -2.0, STKA, Stephens Creek, 80.53 143 P, P, 18 55 03.3 -3.2, STKA, Stephens Creek, 80.53 143 eP, P, 18 55 03.2 -3.3, TOA1, Torodi Ar. Sit, 86.25 284 eP, P, 18 55 34.7 -1.7, TORD, Torodi Ar. Bea, 86.25 284 P, P, 18 55 34.7 -1.7, DBIC, Dimbokro, 95.30 282 P, P, 18 56 17.1 -1.7, DBIC, Dimbokro, 95.30 282 eP, P, 18 56 16.9 -1.9, DBIC, Dimbokro, 95.30 282 eP, P, 18 56 16.9 -1.9, DBIC, Dimbokro, 95.30 282 eP, P, 18 56 16.9 -1.9, IS/CJB 03 19:08:10.0, 0.5, 40:57N, 0:03:37.11E, 0:03, h0km, 6km, Error ellipse: s-maj=5.6km s-min=3.5km az=26.0, DDA 03 19:08:09.7, 4:0:59N, 3:7:13E, h7km, 2km, ML2.7, ISK 03 19:08:09.7, 4:0:59N, 3:7:09E, h5km, ML2.2/10, ISC 03 19:08:10.4, 1.1, 40:56N, 0:03:37.12E, 0:03, h7km, 10km, n20, c056/28, Turkey, Code, Station Name, Delta, Az, Phase ID, Time, Res, RSDY, Resadiye-TOKAT, 0.23 135 PG, Pn, 19 08 14.9 -0.1, RSDY, 19 08 18.6 +0.6, ERBA, Erbaa, 0.30 294 I/S, Pn, 19 08 16.3 0.0, ERBA, 19 08 21.1 +1.0, TOKT, Tokat, 0.50 241 PG, Pn, 19 08 19.6 -0.4, TOKT, 19 08 25.4 -0.2, TOKT, Tokat, 0.54 244 I/P, Pn, 19 08 21.3 +0.4, SVSK, Karacayir, 0.65 188 PG, Pn, 19 08 22.4 -0.5, SVSK, 19 08 32.1 +0.8, ORDU, Ordu-Boztepe, 0.71 52 I/P, Pn, 19 08 35.2 -0.3, CUZAR, ZARA SIVAS, 0.84 143 I/P, Pn, 19 08 35.9 -0.2, SUSE, Susehri, 0.90 113 I/P, Pn, 19 08 27.6 -0.1, SUSE, 19 08 40.1 -0.6, KVT, Kavak, 0.96 303 PG, Pn, 19 08 28.5 -0.4, KVT, 19 08 42.1 +0.6, HAVZ, Havza, 1.18 296 I/P, Pn, 19 08 32.6 -0.5, HAVZ, CUKAN, kangal\_SIVAS, 1.27 168 I/P, Pn, 19 08 35.1 +0.3, CUKAN, 19 08 35.3 +1.3, CUSAR, Sarkisla-SIVAS, 1.32 211 I/P, Pn, 19 08 39.9 -0.1, YOZ, Yozgat, 1.66 237 PN, Pn, 19 08 39.9 -0.1, KELT, Kelkit, 1.69 103 I/P, Pn, 19 08 41.3 -0.6, KELT, 19 09 03.1 -0.3, DIKM, Dikmen, 1.78 308 PN, Pn, 19 08 41.8 +0.2, CORM, Corum, 1.94 259 PN, Pn, 19 08 43.9 0.0, BNN, Bunyan, 1.97 210 PN, Pn, 19 08 44.1 -0.2, SNOP, Sinop, 2.05 316 PN, Pn, 19 08 45.7 +0.4, MACK, Trabzon, 2.05 78 I/P, Pn, 19 08 47.8 +0.8, BAYT, Aydin-tepe-Bayb, 2.31 93 PN, Pn, 19 08 49.3 +0.7, UCR 03 19:24:06.0, 1.3, 10:34N, 86:28W, h18km, MD, 4.0, 4C, Off coast of Costa Rica, Code, Station Name, Delta, Az, Phase ID, Time, Res, NY14, Universidad de, 0.79 67 I/P, Pn, 19 24 21.3 +0.1, NY14, 19 24 23.5 +0.1, GBS3, Finca Las lmg, 0.92 62 I/P, Pn, 19 24 22.6 -0.8, BUEV, Buena Vista, 0.97 62 I/P, Pn, 19 24 23.3 -1.0, BUEV, 19 24 23.8 -0.0, GB1A, Borinquen Arri, 0.98 61 I/P, Pn, 19 24 23.7 -0.9, GB1A, 19 24 26.1 -0.1, GPS2, Hotel Rincon d, 1.00 66 I/P, Pn, 19 24 23.9 -0.9, GPS1, Guardaparques, 1.01 65 I/P, Pn, 19 24 24.0 -1.0, BUAI, Buenos Aires, 1.07 60 I/P, Pn, 19 24 24.9 -1.1, GUAB, Guayabo de Bag, 1.09 71 I/P, Pn, 19 24 25.3 -1.1, COLC, Colonia, 1.10 73 I/P, Pn, 19 24 25.8 -0.8, MESS, Mesas, 1.14 70 I/P, Pn, 19 24 26.0 -1.1, MESS, 19 24 26.0 -1.1, CUI, Cuiplapa, 1.14 74 I/P, Pn, 19 24 26.2 -0.9, CUI, 19 24 21.3 -0.4, ACAL, Aguas Claras, 1.25 77 I/P, Pn, 19 24 28.1 -0.7, JUNTAS, Juntas Abangare, 1.30 92 I/P, Pn, 19 24 28.0 -0.9, PTEN, Parque Tenorio, 1.32 74 I/P, Pn, 19 24 29.1 -0.5, ARE1, Arenal 1, 1.54 86 eP, Pn, 19 24 32.7 +0.1, CEDE, Laguna Cedeo, 1.55 85 eP, Pn, 19 24 33.0 +0.1, LCR2, La Lucha 2, 2.32 105 eP, Pn, 19 24 44.5 +1.0, NIED 03 19:31:00.26:50N, 142:90E, h35km, Mw4.1, Best double couple: M=1.70000, 1015, NP1=271.00000, 821.00000, lambda=122.00000, NP2=125.00000, delta=0.00000, lambda=78.00000, IS/CJB 03 19:31:03.0, 0.9, 26:58N, 0:09:143:21E, 0:08, h35km, mb3.9/5, Error ellipse: s-maj=13.0km s-min=10.0km az=28.3, IDC 03 19:31:03.2, 0.1, 26:42N, 141:20E, h0km, mb3.7/4, mb1.3/5, mb1mx3.5/38, mbtmp3.9/5, ML4.2/1, MS3.1/1, Ms1.3.1/1, ms1mx2.5/43, Error ellipse: s-maj=77.3km s-min=19.4km az=91.0, JMA 03 19:31:07.3, 0.1, 26:54N, 142:92E, h51km, M4.2, ISC 03 19:31:05.8, 1.2, 26:84N, 0:09:143:00E, 0:1, h35km, n17, c243/13, mb3.8/5, Bonin Islands region, Code, Station Name, Delta, Az, Phase ID, Time, Res, JHH2, Haha-jima-NKT2, 0.78 269 P, Pn, 19 31 20.8 +0.6, JHH2, 19 31 30.5 -0.2, CBJJ, Chichi jima, 0.89 301 P, Pn, 19 31 23.2 -1.4, CBJJ, 19 31 35.3 +1.8, MJAR, Matsushiro Arr, 10.69 339 Pn, 19 33 36.7 +0.3, MJAR, 0.1nm, 0.3s, bazz=163, slow=11, SNR=15, MAT, Matsushiro, 10.69 339 P, Pn, 19 33 37.9 +1.5, MAT, 19 35 31.9 -3.0, KSRS, Korea Array, 16.73 314 LR, 19 40 43.8, ASAJ, Asahikawa, 17.44 359 P, P, 19 35 10.2 +3.1, H1N2, WAKE ISLAND Hy 22.96 102 T, T, 19 35 56.1, H1N1, WAKE ISLAND Hy 22.96 102 T, T, 19 59 59.0, H1N3, WAKE ISLAND Hy 22.97 102 T, T, 19 59 59.4, H1S3, WAKE ISLAND Hy 23.26 105 T, T, 20 00 25.4, H1S1, WAKE ISLAND Hy 23.27 105 T, T, 20 00 22.3, H1S2, WAKE ISLAND Hy 23.28 105 T, T, 20 00 23.5, KLR, Kut'dur, 24.19 342 P, P, 19 36 18.4 -0.4, WRA, Warramunga Arr, 47.07 191 P, P, 19 39 33.0 -1.2, ASAR, Alice Springs, 50.79 191 P, P, 19 40 01.1 -1.6, YKA, Yellowknife Ar, 72.17 28 P, P, 19 42 36.2 +1.0, FINES, FINESS Array B, 76.69 334 P, P, 19 43 04.4 +0.3, IS/CJB 03 19:54:31.6, 0.4, 24:70N, 0:03:122:33E, 0:02, h72km, 4km, Error ellipse: s-maj=4.2km s-min=2.9km az=167.0, JMA 03 19:54:31.4, 0.2, 24:78N, 122:33E, h75km, 3km, M1.5, TAP 03 19:54:31.2, 4:272N, 122:29E, h79km, ML2.7, C, ISC 03 19:54:32.0, 1.4, 24:59N, 0:04:122:33E, 0:03, h71km, 8km, n66, c088/120, Taiwan region, Code, Station Name, Delta, Az, Phase ID, Time, Res, E0S1, E0S1, 0.23 231 eP, Op, Pn, 19 54 43.2 +0.3, E0S1, 19 54 52.3 +1.5, TWB1, Santiao Chiao, 0.44 316 eP, Pn, 19 54 44.2 -0.2, TWB1, 19 54 53.3 -0.2, TWC, Suao, 0.44 259 P, Pn, 19 54 44.0 -0.4, TWC, 19 54 53.4 -0.2, NTC, Toucheng, 0.48 290 eS, Sn, 19 54 54.1 0.0, TIPB, Shuangxi, 0.53 302 P, Pn, 19 54 45.0 -0.3, TIPB, 19 54 54.7 -0.4, NANB, Nanao, 0.59 243 P, Pn, 19 54 45.9 +0.1, NANB, 19 54 56.5 +0.6, ENA, Nanao, 0.59 244 P, Pn, 19 54 46.0 +0.1, ENA, 19 54 56.6 +0.5, TWE, Neicheng, 0.60 273 P, Pn, 19 54 55.8 -0.1, TWE, 19 54 55.9 -0.3, YJNG, Yonagunijimaku, 0.61 113 P, Pn, 19 54 46.3 +0.2, YJNG, 19 54 56.6 +0.1, NWF, Wu-fen Shan, 0.62 307 eP, Pn, 19 54 46.0 -0.2, NWF, 19 54 46.0 -0.2, WFSB, Wu-fen Shan, 0.62 307 eP, Pn, 19 54 46.0 -0.2, WFSB, 19 54 57.4 +0.8, YOJ, Yonaguni jima, 0.67 110 P, Pn, 19 54 46.5 -0.1, YOJ, 19 54 58.1 +1.2, ENT, Nioudou, 0.69 266 eP, Pn, 19 54 47.0 +0.1, ENT, 19 54 58.2 +0.2, TWA, Mucha, 0.73 293 eP, Pn, 19 54 47.0 -0.4, TWA, 19 54 58.5 -0.3, NDT, Datou Townshi, 0.74 263 eP, Pn, 19 54 48.0 +0.4, NDT, 19 54 59.6 +0.6, NDLT, 0.75 277 P, Pn, 19 54 47.5 -0.2, NDLT, 19 54 59.2 0.0, NWH, Xindian Distri, 0.78 290 P, Pn, 19 54 47.5 -0.4, NWH, 19 54 59.0 -0.6, YM07, YM07, 0.80 307 eP, Pn, 19 54 47.7 -0.5, YM07, 19 55 00.1 -0.2, TATO, Taipei, 0.81 290 eP, Pn, 19 54 47.8 -0.5, TATO, 19 54 59.3 -1.0, TAP, Taipei, 0.82 295 eP, Pn, 19 54 48.2 -0.2, TAP, 19 54 48.0 -0.5, YM01, YM01, 0.82 304 eP, Pn, 19 55 00.7 0.0, YM01, 19 54 48.0 -0.6, YM11, YM11, 0.83 305 eP, Pn, 19 54 59.7 -1.2, YM11, 19 54 48.1 -0.5, YM05, YM05, 0.83 304 eP, Pn, 19 54 48.1 -0.5, YM05, 19 55 00.7 -0.3, NACB, Ninganchiao, 0.84 232 eP, Pn, 19 54 48.7 -0.3, NACB, 19 55 00.6 -0.4, YM04, YM04, 0.85 303 eP, Pn, 19 54 48.3 -0.5, YM04, 19 55 00.9 -0.3, YHNB, Yeheng, 0.86 269 P, Pn, 19 54 49.1 +0.9, YHNB, 19 55 01.8 +0.2, TWY, Chenhua, 0.88 312 eP, Pn, 19 54 48.6 -0.5, TWY, 19 54 49.3 -0.1, NNSB, Datong, 0.90 253 P, Pn, 19 54 49.3 -0.1, NNSB, 19 55 02.3 -0.1, TWD, 0.90 254 P, Pn, 19 55 02.4 +0.2, TWD, 19 54 49.5 0.0, NNS, Nan Shan, 0.90 254 P, Pn, 19 54 49.5 0.0, NNS, 19 55 02.3 -0.3, ETLH, Xiulin Townshi, 0.91 238 eP, Pn, 19 54 49.9 +0.3, ETLH, 19 55 02.0 -0.6, TWS1, Kuangyinshan, 0.92 296 eP, Pn, 19 54 49.3 -0.3, TWS1, 19 55 02.3 -0.3, WHF, Hehuan Shan, 1.11 241 eP, Pn, 19 54 52.3 -0.1, WHF, 19 55 06.6 -0.9, TWT, 1.14 248 eP, Pn, 19 54 53.2 +0.8, TWT, 19 55 08.3 +0.6, ESL, Shinju, 1.20 223 eP, Pn, 19 55 06.7 -2.1, ESL, 19 54 53.2 0.0, NSTT, Nanjiang, 1.21 267 eP, Pn, 19 55 09.0 0.0, NSTT, 19 54 53.7 +0.1, CHGB, Renai, 1.22 239 eP, Pn, 19 54 53.7 +0.1, CHGB, 19 55 09.4 -0.5, OWD, Renai, 1.28 235 eP, Pn, 19 54 54.4 +0.1, OWD, 19 55 09.6 -1.4, EGFH, 1.31 219 eP, Pn, 19 54 52.4 -2.1, EGFH, 19 55 10.1 -1.3, WHP, Taichung City, 1.32 252 eP, Pn, 19 54 55.6 +0.8, WHP, 19 55 12.2 -0.3, IRIF, Iriomote-Funau, 1.33 105 P, Pn, 19 54 54.5 -0.3, IRIF, 19 54 55.2 +0.7, VWD, VWD, 1.43 229 eP, Pn, 19 54 55.3 -0.2, VWD, 19 55 13.8 -0.4, HGS, 1.45 215 eP, Pn, 19 54 56.6 +0.2, HGS, 19 55 14.3 -0.4, TWQ1, Liyuan, 1.46 257 eP, Pn, 19 54 56.5 0.0, TWQ1, 19 55 15.2 +0.3, EHY, Hungye, 1.50 218 eP, Pn, 19 54 55.7 -1.3, EHY, 19 54 55.3 -2.4, SMLT, Sun Moon Lake, 1.53 238 eP, Pn, 19 54 58.9 +1.3, SMLT, 19 54 58.9 +1.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMLT, SSSL, TYC, YULB, YULB, JKRS, TWFI, WHYT, WJWS, WNT, FULB, JISG, ALS, CHNS, ELDTW, TPUB, STYT, TWK, SNST, CHN1, SLGT.

DDA 03 20:01:15.9, 37:33N, 127:12E, h9km, 1km, ML3.6
ISK 03 20:01:15.6, 37:32N, 127:13E, h11km, ML3.0/2.9
ISCJB 03 20:01:16.4, 0.4, 37:29N, 127:10E, 0.03, h9km, 3km, Error ellipse: s-maj=4.9km s-min=4.1km az=168.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GAZ, HCB, KMRS, GZT, KAMA, KUZU, ANDN, CEYT, DARE, YURE, KRYS, SAIM, CEYT, AKCD, SURC, KARA, HEKM, BNN, CUALT, MERS, CUSAR, DIVA, KIZK, SVSK, TNCL, KEBE, EREN, SULT, TOKT, RSDY, YAYX, AKKU, BERE, SVAN, TEKE.

SJA 03 20:02:08.2, 0.2, 74:15S, 67:21W, h203km, 13km, ML2.6, MW2.9
ISCJB 03 20:02:10.8, 0.9, 24:08S, 0:05, 67:32W, 0.06, h173km, 14km, Error ellipse: s-maj=9.9km s-min=6.8km az=141.7

GUC 03 20:02:12.4, 0.7, 24:04S, 67:57W, h210km, 12km, ML3.6
ISC 03 20:02:09.2, 2.1, 24:13S, 0:06, 67:26W, 0.06, h188km, 20km, n28, c1931/38, 3C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SLA, HJA, LVC, PB15, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB15, FSA, GO02, PB06, PB06, PB06, PB14, PB09, PB09, PB05, PB05, PB10, PB10, PB10, PB03, PB03, PB03, PB04, PB04, PB04, PB07, PB07, PB01, PB01, PB02, PB08, G003, PB11, MNMXC.

ISC 03 20:08:57.7, 4.2, 36:14N, 71:13E, h181km, 28km, mb3.1/6, mb1.3/12, mb1mx2.9/48, mbtmp3.6/12, Error ellipse: s-maj=50.1km s-min=21.8km az=150.0

NNC 03 20:08:60.0, 10.0, 36:94N, 70:61E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=97.5km s-min=70.6km az=154.0
ISCJB 03 20:09:00.9, 0.5, 36:62N, 0:04, 70:97E, 0.07, h200km, mb3.2/6, Error ellipse: s-maj=7.7km s-min=5.0km az=162.2

SOME 03 20:09:00.8, 37:85N, 71:40E, h10km
ISC 03 20:09:01.6, 0.8, 36:62N, 0:07, 70:96E, 0.07, h200km, n33, c1970/40, mb3.3/6, 5C-1Z, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IUG, IUG, CHM, CHM, DZA, DZA, MRKS, MRKS, KZA, BRLS, BRLS, KK31, KK31, AAK, AAK, KBK, ULHL, CHMS, TKM2, TKM2, TKM2, TKM2, MKAR, PYUN, KOLN, AB31, KKN, KURB, PKBH, PKI, GUN, BVAR, AKTO, ZALV, FINES, TORDI, YKA.

ISC 03 20:27:47.8, 37:33N, 37:13E, h7km, ML 1.9/7
ISCJB 03 20:27:48.5, 0.5, 37:32N, 0:05, 37:12E, 0.04, h9km, 4km, Error ellipse: s-maj=8.4km s-min=4.6km az=26.4
DDA 03 20:27:48.0, 37:33N, 37:13E, h10km, 1km, ML1.8
ISC 03 20:27:48.3, 1.0, 37:32N, 0:04, 37:13E, 0.03, h11km, 7km, n14, c042/19, Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AYKD, AYKD, GZT, GZT, KAMA, KAMA, ANDN, ANDN, KOZT, KOZT, SAIM, SAIM, CEYT, CEYT, SURC, SURC, DARE, DARE, BNN, BNN.

MAN 03 20:33:53.3, 11:67N, 125:35E, h34km, mb3.9, ML2.7, MS2.2, 1C, Samar

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

ISC 03 20:36:25.9, 1.4, 37:43N, 143:70E, h0km, mb3.4/4, mb1.3/6.5, mb1mx3.3/32, mbtmp3.3/5, ML2.4/1, Error ellipse: s-maj=33.3km s-min=28.4km az=135.0
ISCJB 03 20:36:28.9, 0.8, 37:56N, 0:05, 143:54E, 0:07, h33km, mb3.4/4, Error ellipse: s-maj=8.0km s-min=7.2km az=40.9

JMA 03 20:36:29.6, 0.2, 37:57N, 143:46E, h45km, M3.2
ISC 03 20:36:30.8, 1.2, 37:52N, 0:07, 143:55E, 0:08, h35km, n19, c1918/24, mb3.4/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JIKH, JIKH, JIO, JIO, JKIMT, JKIMT, OFUJ, OFUJ, JFK, JFK, JIMK, JIMK, JOM, JOM, JOM, JOM, JYK, JYK, JAG, JAG, MJAR, MJAR, MJAR, MJAR, H112, H112, H111N, H111N, H11N3, H11N3, SONM, SONM, ILAR, ILAR, WRA, WRA, ASAR, ASAR.

NIED 03 20:48:00.39, 50N, 143:70E, h17km, Mw3.8 Best double couple: M6.30000, 1014 NP13:73.00000, 830.00000, 1.54.00000, NP2:3.33.00000, 866.00000, 1.109.00000
ISCJB 03 20:48:24.0, 0.6, 39:48N, 0:05, 143:55E, 0:06, h11km, mb3.6/14, MS3.2/3, Error ellipse: s-maj=8.5km s-min=5.0km az=140.8

JMA 03 20:48:24.0, 0.2, 39:47N, 143:66E, h24km, M4.1
ISC 03 20:48:24.5, 1.0, 39:46N, 143:36E, h0km, mb3.6/14, mb1.3/8.16, mb1mx3.7/32, mbtmp3.6/16, ML3.3/2, MS3.1/6, Ms1.3/16, ms1mx2.8/37, Error ellipse: s-maj=23.4km s-min=19.2km az=147.0

ISC 03 20:48:26.3, 0.7, 39:48N, 0:06, 143:45E, 0:07, h11km, n46, c097/42, mb3.6/14, MS3.2/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MIYJ, MIYJ, JTH, JTH, JOM, JOM, JANG, JANG, JMK, JMK, JIMK, JIMK, JIO, JIO, JRG, JRG, JTM, JTM, JAH, JAH, JOU, JOU, JOU, JOU, ASAJ, ASAJ, ASAJ, ASAJ, MAT, MAT, USRK, USRK, USRK, USRK, JNU, JNU, KRSR, KRSR, KRSR, KRSR, KLR, KLR, SEY, SEY, SONM, SONM, SONM, SONM, MJAR, MJAR, JNU, JNU, KRSR, KRSR, KRSR, KRSR, KLR, KLR, SEY, SEY, SONM, SONM, SONM, SONM, ZALV, ZALV, CMAR, CMAR, MKAR, MKAR, ILAR, ILAR.



Table with columns: URZ, Urewera, 8.88 202 P, Pn, 22 03 16.3 0.0, 0.4nm, 0.3s, baz=35, slow=16, SNR=2.4

IDC 03 22:01:57.1.2.6, 5.51N, 128.72E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.5/45, mb1tmp3.5/4, Error ellipse: s-maj=204.1km s-min=22.5km az=68.0, East of Philippine Islands

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

IDC 03 22:07:18.1.2.2, 1.68S, 135.82E, h0km, MB3.2/2, mb1 3.4/4, mb1mx3.2/38, mb1tmp3.3/4, ML3.1/2, Error ellipse: s-maj=52.5km s-min=26.6km az=76.0, Irian Jaya region

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

IDC 03 22:11:01.3.1.8, 1.0, 57S; 113.93E, h0km, mb3.9/8, mb1 4.0/9, mb1mx3.8/39, mb1tmp4.0/9, ML4.1/1, Error ellipse: s-maj=53.4km s-min=19.9km az=45.0

ISCJB 03 22:11:03.50.0, 1.0, 82S; 106.113.81E, 0.0, 4, h33km, mb3.9/8, Error ellipse: s-maj=9.6km s-min=5.3km az=21.9, DJA 03 22:11:04.6.1.0, 1.0, 80.0E, h10km, 1.1km, M4.4/2, mb4.6/9, mb5.0/3, MLV4.3/21, Mw(m)MB4.4/3

IDC 03 22:11:04.6.1.0, 1.0, 9S; 111.80E, h0km, h35km, n36, s=117/36, mb4.0/8, South of Java

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

IDC 03 22:12:49.8.1.4, 5.3; 10N; 35.07W, h0km, mb3.5/5, mb1 3.7/6, mb1mx3.4/48, mb1tmp3.5/6, ML3.7/1, MS3.0/5, Ms1 3.0/5, ms1mx2.7/44, Error ellipse: s-maj=47.7km s-min=21.1km az=110.0

ISCJB 03 22:12:50.0.1.2, 5.3; 1N; 0.2; 35.1W; 0.2, h13km, mb3.7/6, MS2.8/4, Error ellipse: s-maj=34.1km s-min=16.5km az=28.1

IDC 03 22:12:51.7.1.3, 5.3; 1N; 0.35; 35.1W; 0.2, h13km, n14, s=93/9, mb3.5/6, MS2.9/4, Reykjanes Ridge

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

IDC 03 22:33:27.1.3.2, 3.78S, 98.44E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.6/38, mb1tmp3.8/5, Error ellipse: s-maj=126.7km s-min=27.3km az=60.0, Southwest of Sumatra

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

Table with columns: ASAR Alice Springs, 39.53 123 P, P, 22 41 00.1 +0.1, 0.7nm, 0.6s, baz=303, slow=9.0, SNR=4.8

ISCJB 03 22:35:26.6.0.6, 7.53S; 10.05; 128.71E; 0.07, h150km, mb3.6/3, Error ellipse: s-maj=10.1km s-min=6.6km az=6.7

IDC 03 22:35:28.6.2.0, 7.58S; 128.62E; h154km, 2.1km, mb3.4/3, mb1 3.6/7, mb1mx3.4/31, mb1tmp4.0/7, Error ellipse: s-maj=27.5km s-min=16.6km az=129.0

IDC 03 22:35:27.5.0.8, 7.65S; 10.06; 128.81E; 0.09, h150km, n7, s=211/11, mb3.7/3, Banda Sea

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

GCMT 03 22:42:09.0.0.5, 1.3; 58S; 0.03; 111.97W; 0.03, h30km, 1km, MW4.9/67, Moment Tensor Solution, s16;c19; s67;c20; Duration: 0 / Moment tensor: Scale 10^19Nm, Mr=0.31e; Mb=0.52; 17; Mw=0.21; 17; Ms=1.14; 23; Msz=2.48; 12; Ms1=1.02; 21; Best double couple: M2:83100x1016; NP1=182.00000; 875.00000; 1.163.00000; NP2=277.00000; 873.00000; 1.16.00000; Principal axes: T 3.272.00000; Azm322.00000; P -2.3540, Plg1.00000; Azm229.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

IDC 03 22:42:13.5.2.6, 12.78S; 111.49W, h0km, mb3.7/9, mb1 4.0/9, mb1mx3.8/31, mb1tmp3.9/19, MS3.8/14, Ms1 3.8/14, ms1mx3.7/26, Error ellipse: s-maj=85.4km s-min=25.9km az=41.0

IDC 03 22:45:19.2.6, 12.6S; 0.4; 113.37W; 0.04, h10km, n22, s=110/10, mb3.7/9, MS3.9/13, Central East Pacific Rise

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

Table with columns: SMKI Samarinda, 18.66 248 P, P, 22 52 48.2 +0.4, BKSI Balikpapan, 18.62 300 P, Pn, 22 52 49.8 +1.0

IDC 03 22:48:32.2.7, 7.1; 6.73N; 10.06; 134.51E; 0.06, h33km, 1.8km, mb4.5/29, Error ellipse: s-maj=23.6km s-min=14.3km az=91.0

NEIC 03 22:48:29.2.0.6, 9.09N; 134.39E, h16km, 4km, mb4.5/29, Error ellipse: s-maj=23.6km s-min=14.3km az=91.0

NEIC Felt at Koror. ISCJB 03 22:48:30.2.2.6, 6.79N; 0.04; 134.51E; 0.06, h33km, 1.8km, mb4.5/54, MS3.5/11, Error ellipse: s-maj=10.9km s-min=6.1km az=0.5

DJA 03 22:48:35.2.2.7, N; 14.13; 4E; 1.2, h91km, 11km, M4.5/17, mb5.2/6, mb4.5/17, Mw(m)B4.5/6

IDC 03 22:48:34.3.1.7, 6.73N; 10.06; 134.49E; 0.09, h57km, 15km, n18, s161/98, mb4.5/54, MS3.6/11, Western Caroline Islands

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









PTGA	Pitinga	comp=E,4.0nm,0.3s,baz=304,slow=22,SNR=17	24.02	17	eP	P	02 25 30.7	-1.3
PTGA	Pitinga	comp=E,14nm,1.0s	24.02	17	eP	P	02 25 31.0	-1.0
PTLC	Puerto Leguiza	25.18 341	eP	P	02 25 38.3	-4.3		
OTAV	Otavalo	25.18 341	eP	P	02 25 38.3	-4.3		
OTAV	Otavalo	26.54 333	eP	P	02 25 57.8	+2.5		
OTAV	Otavalo	26.54 333	eP	P	02 29 16.4	+1.5		
FLOC	Florencia	26.77 340	eP	P	02 25 57.0	+0.1		
FLOC	Florencia	26.77 340	eP	P	02 25 57.0	+0.1		
CMBC	Cumal	26.93 335	eP	P	02 26 01.5	+2.7		
CMBC	Cumal	26.93 335	eP	P	02 26 01.5	+2.7		
SOTA	Rioblanco	27.60 339	eP	P	02 26 06.5	+1.7		
SOTA	Rioblanco	27.60 339	eP	P	02 26 06.5	+1.7		
GO09	Cerro Castillo	27.62 187	eP	P	02 26 04.4	+0.4		
MARP	Paez Belalcaza	28.06 340	eP	P	02 26 08.3	-0.3		
MARP	Paez Belalcaza	28.06 340	eP	P	02 26 08.3	-0.3		
PRAC	Prado	28.58 343	eP	P	02 26 10.1	-2.8		
PRAC	Prado	28.58 343	eP	P	02 26 10.1	-2.8		
CHIC	Chingaza	29.18 346	eP	P	02 26 17.8	-0.8		
CHIC	Chingaza	29.18 346	eP	P	02 26 17.8	-0.8		
YOTC	Yotoco, Valle	29.25 340	eP	P	02 26 18.1	-0.9		
YOTC	Yotoco, Valle	29.25 340	eP	P	02 26 18.1	-0.9		
GOTO	Punta Arenas	29.35 185	eP	P	02 26 16.1	-3.2		
RUSC	La Rusia	30.27 348	eP	P	02 26 27.3	-1.0		
RUSC	La Rusia	30.27 348	eP	P	02 26 27.3	-1.0		
NORC	Norcasia	30.35 344	eP	P	02 26 25.6	-3.0		
NORC	Norcasia	30.35 344	eP	P	02 26 25.6	-3.0		
USHA	Ushuaia	30.88 182	eP	P	02 26 33.5	+0.7		
BARC	Barichara	30.97 348	eP	P	02 26 30.9	-3.3		
BARC	Barichara	30.97 348	eP	P	02 26 30.9	-3.3		
HELK	Santa Helena	31.12 343	eP	P	02 26 32.1	-2.7		
PTBC	PUERTO BERRIO	31.19 345	eP	P	02 26 32.1	-3.8		
PTBC	PUERTO BERRIO	31.19 345	eP	P	02 26 32.1	-3.8		
CAPV	Capacho	32.05 350	eP	P	02 26 42.2	-1.5		
CAPV	Capacho	32.05 350	eP	P	02 26 42.2	-1.5		
DBBC	Dabeiba	32.09 342	eP	P	02 26 42.8	-1.1		
DBBC	Dabeiba	32.09 342	eP	P	02 26 42.8	-1.1		
ZARC	Zaragoza, Cauc	32.20 345	eP	P	02 26 42.2	-2.6		
ZARC	Zaragoza, Cauc	32.20 345	eP	P	02 26 42.2	-2.6		
NBMO	Morriños-CE	33.02 56	eP	P	02 26 50.9	-1.1		
SMLC	San Martín de	33.29 347	eP	P	02 26 50.9	-3.7		
SMLC	San Martín de	33.29 347	eP	P	02 26 50.9	-3.7		
NBPA	Parau RN	33.83 62	eP	P	02 27 03.3	-2.2		
SJCC	San Jacinto, C	34.60 345	eP	P	02 27 03.3	-2.2		
SJCC	San Jacinto, C	34.60 345	eP	P	02 27 03.3	-2.2		
RCBPR	Riachuelo	34.77 64	eP	P	02 27 06.4	-0.7		
RCBR	Riachuelo	34.77 64	eP	P	02 27 05.9	-1.2		
GRJR	Grenville	36.21 9	eP	P	02 27 17.4	-1.8		
JTS	JuntasAbangare	38.34 330	eP	P	02 27 40.0	+2.8		
FDJ	Fort de France	38.84 9	eP	P	02 27 39.8	-1.5		
PMSA	Palmer Station	40.87 178	eP	P	02 27 56.8	-0.6		
TGUH	Teguiguapa, Un	42.71 320	eP	P	02 28 14.7	+1.8		
CCIG	Comitan	46.99 326	eP	P	02 28 47.4	+0.6		
059Z	Ave Maria	51.93 343	P	P	02 29 24.8	+1.0		
059A	Moore Haven	52.46 344	eP	P	02 29 25.1	-2.6		
058A	Arcadia	52.71 343	P	P	02 29 29.7	+0.2		
553A	Crawfordville	56.40 342	P	P	02 29 56.8	+0.8		
VNA3	Neumayer Olymp	57.17 161	P	P	02 30 02.0	+1.0		
VNA1	Neumayer-Stat	57.36 160	P	P	02 30 03.5	+1.2		
353A	Camil	57.43 342	P	P	02 30 03.2	0.0		
255A	Hazlehurst	57.52 344	P	P	02 30 03.4	-0.5		
450A	Crestview	57.62 340	P	P	02 30 04.8	+0.2		
VNA2	Neumayer-Watz	57.73 160	P	P	02 30 06.0	+1.1		
254A	Abbeville	57.75 343	P	P	02 30 05.6	+0.2		
352A	Blakely	57.76 342	P	P	02 30 05.1	-0.5		
351A	Pinckard	57.76 341	P	P	02 30 05.8	+0.2		
LNIG	Linares	57.93 325	eP	P	02 30 06.9	0.0		
LNIG	Linares	57.93 325	eP	P	02 30 06.9	0.0		
ZAIG	Zacatecas	57.97 321	eP	P	02 30 07.2	+0.3		
253A	Americas	58.08 343	P	P	02 30 07.5	-0.3		
BRAL	Brewton	58.11 340	P	P	02 30 08.3	+0.3		
NHSC	New Hope	58.13 347	eP	P	02 30 09.4	+1.3		
NHSC	New Hope	58.13 347	eP	P	02 30 08.0	-0.1		
155A	Kite	58.19 344	P	P	02 30 08.2	-0.2		
252A	Lumpkin	58.19 342	P	P	02 30 08.4	-0.2		
Z58A	St. Stephen	58.28 347	P	P	02 30 09.5	+0.4		
349A	Repton	58.32 340	P	P	02 30 09.4	0.0		
154A	Montrose	58.34 344	eP	P	02 30 09.7	+0.1		
154A	Montrose	58.34 344	eP	P	02 30 08.8	-0.8		
Z57A	Bowman	58.43 346	P	P	02 30 10.1	0.0		
251A	Midway	58.47 342	P	P	02 30 09.4	-1.1		
Z56A	Williston	58.60 346	P	P	02 30 11.3	-0.1		
250A	Grady	58.62 341	P	P	02 30 11.8	+0.3		
Y60A	Bolivia	58.63 349	P	P	02 30 10.9	-0.6		
Y58A	Scranton	58.80 348	P	P	02 30 13.0	+0.3		
151A	Opelika	58.85 342	P	P	02 30 12.9	-0.3		
Z54A	Sparta	58.86 344	P	P	02 30 12.9	-0.3		
249A	Camden	58.88 340	P	P	02 30 12.8	-0.4		
Y56A	Pelion	59.03 346	P	P	02 30 14.1	-0.2		
Y57A	Sumter	59.06 347	P	P	02 30 14.2	-0.2		
Z53A	Monticello	59.09 344	P	P	02 30 13.9	-0.8		
150A	Eclectic	59.13 341	P	P	02 30 14.3	-0.8		
X60A	Albert Glenn T	59.15 349	P	P	02 30 14.7	-0.4		
GOGA	Godfrey	59.19 344	P	P	02 30 14.6	-0.7		
Z52A	Williamson	59.23 343	P	P	02 30 15.2	-0.5		
X59A	McDuffie Farm,	59.25 349	P	P	02 30 15.6	-0.1		
Y55A	Saluda	59.30 345	P	P	02 30 15.9	-0.3		
149A	Jones	59.35 340	P	P	02 30 15.5	-1.0		
SNA4	Sanae	59.36 161	eP	P	02 30 17.1	+0.8		
SNA4	Sanae	59.36 161	eP	P	02 30 16.6	+0.3		
SNA4	Sanae	59.36 161	eP	P	02 31 02.2	+0.1		
X56A	Rowland	59.37 348	P	P	02 30 16.2	-0.4		
Y54A	Tignall	59.42 345	P	P	02 30 16.7	-0.3		
X57A	Johnson Farm,	59.43 347	P	P	02 30 16.7	-0.3		
JSC	Jenkinsville	59.50 346	eP	P	02 30 17.8	-0.3		
Z51A	Franklin	59.55 342	P	P	02 30 17.3	-0.6		

W60A	Pink Hill	59.56 350	P	P	02 30 17.6	-0.4
Y43A	Monroe	59.64 344	P	P	02 30 17.8	-0.7
148A	Greensboro	59.64 340	P	P	02 30 17.3	-1.2
X56A	White Oak	59.65 346	P	P	02 30 18.3	-0.2
Z50A	Ashland	59.71 342	eP	P	02 30 18.8	-0.2
Z50A	Ashland	59.71 342	eP	P	02 30 18.1	-0.9
X55A	Gracely & Ava	59.76 346	P	P	02 30 19.4	+0.1
Y52A	Lilburn	59.77 343	eP	P	02 30 19.1	-0.2
Y52A	Lilburn	59.77 343	eP	P	02 30 18.6	-0.7
W58A	Raeford	59.80 348	P	P	02 30 19.3	-0.3
LRAL	Lakeview Retre	59.82 340	eP	P	02 30 18.8	-0.9
LRAL	Lakeview Retre	59.82 340	eP	P	02 30 19.1	-0.7
Z49A	Columbiana	59.83 341	P	P	02 30 19.0	-0.8
X54A	Belton	60.00 345	P	P	02 30 20.9	0.0
Y51A	Rockmart	60.07 343	P	P	02 30 20.6	-0.8
W57A	Gillett	60.07 346	P	P	02 30 21.0	-0.3
W56A	Indian Trail	60.17 347	P	P	02 30 21.8	-0.3
X53A	Estanlee	60.18 344	P	P	02 30 21.7	-0.5
Y50A	Piedmont	60.25 342	P	P	02 30 22.7	0.0
KMCS	Kings Mountain	60.34 346	eP	P	02 30 23.7	+0.4
KMCS	Kings Mountain	60.34 346	eP	P	02 30 23.2	-0.1
V59A	Middlesex	60.35 349	P	P	02 30 23.1	-0.1
Y49A	Blount Mountain	60.41 341	eP	P	02 30 23.1	-0.7
Y49A	Blount Mountain	60.41 341	eP	P	02 30 23.1	-0.7
X52A	Cherokee	60.43 344	P	P	02 30 23.3	-0.5
W54A	Cherokee Point	60.48 346	P	P	02 30 24.3	+0.1
BG3	Lake Jocassee	60.56 345	eP	P	02 30 24.9	+0.1
X51A	Calhoun	60.64 343	eP	P	02 30 25.1	-0.2
X51A	Calhoun	60.64 343	eP	P	02 30 24.8	-0.5
833A	Chaparral WMA,	60.69 327	P	P	02 30 26.2	+0.5
833A	Chaparral WMA,	60.69 327	P	P	02 30 26.1	+0.3
Y48A	Jasper	60.69 341	P	P	02 30 24.5	-1.2
V57A	Coltrane Farms	60.74 348	P	P	02 30 25.8	-0.1
X50B	Fort Payne	60.76 342	P	P	02 30 25.3	-0.8
W53A	Cullowhee	60.78 345	P	P	02 30 26.0	-0.4
V56A	Mocksville	60.81 347	P	P	02 30 26.2	-0.2
U59A	Littleton	60.85 350	P	P	02 30 26.2	-0.4
W52A	Murphy	60.90 344	eP	P	02 30 26.8	-0.3
W52A	Murphy	60.90 344	eP	P	02 30 26.7	-0.4
V55A	Taylorsville	61.00 347	P	P	02 30 27.6	-0.1
X49A	Woodville	61.00 342	P	P	02 30 26.8	-0.9
V54A	Nebo	61.09 346	P	P	02 30 28.4	+0.1
X48A	Hartselle	61.16 341	eP	P	02 30 28.5	-0.2
X48A	Hartselle	61.16 341	eP	P	02 30 28.0	-0.7
V53A	Saluda	61.18 345	P	P	02 30 28.3	-0.6
W51A	Cleveland	61.18 343	P	P	02 30 28.5	-0.3
W50A	Signal Mountai	61.36 343	eP	P	02 30 29.8	-0.4
W50A	Signal Mountai	61.36 343	eP	P	02 30 29.6	-0.6
CPCT	Cooper Cave	61.39 344	eP	P	02 30 30.0	-0.3
T59A	Double "B" Far	61.42 350	P	P	02 30 29.6	-0.8
NATX	Nacogdoches	61.44 333	P	P	02 30 30.9	+0.2
T60A	Surry	61.46 351	P	P	02 30 30.4	-0.3
X47A	Russelville	61.46 340	P	P	02 30 29.6	-1.2

R42A	Luebbering	65.84 340	P	P	02 30 58.6	-0.8	TASM	ASL Pad, Albuq	69.57 326	P	P	02 31 24.2	+1.1	LSQQ	Lebel-sur-Quev	73.22 353	P	P	02 31 43.6	-0.7
Q44A	Meyer Farm, Va	65.87 341	eP	P	02 30 58.2	-1.3	CBKS	Cedar Bluff	69.61 333	eP	P	02 31 23.8	+0.8	PDMCI	Parker Dam, Lak	73.30 321	P	P	02 31 46.3	+1.3
Q44A	Meyer Farm, Va	65.87 341	P	P	02 30 59.7	-1.6	CBKS	Cedar Bluff	69.61 333	P	P	02 31 23.3	+0.3	IKP	In-Ko-Pah, Jac	73.31 318	P	P	02 31 46.3	+1.0
N52A	McGinn's Farm,	65.88 348	P	P	02 30 59.0	-0.5	K41A	Shullsburg	69.66 342	P	P	02 31 22.4	-0.7	SWSC	Sam W. Stewart	73.33 319	P	P	02 31 46.6	+1.3
P46A	Rosedale	66.02 343	P	P	02 30 59.0	-1.5	I46A	Reed City	69.67 346	P	P	02 31 21.9	-1.3	D41A	Chassel	73.34 345	P	P	02 31 44.8	-0.2
R41A	Rosebud	66.05 339	P	P	02 30 59.9	-0.8	L39A	Vinton	69.72 340	P	P	02 31 22.2	-1.3	SYO	Syowa Base	73.56 159f	eP	P	02 31 45.4	-0.7
P45A	Graceland, Par	66.09 342	eP	P	02 30 59.6	-1.3	J43A	Natural Harves	69.86 343	P	P	02 31 23.6	-0.7	BC3	Big Chucckawall	73.61 319	P	P	02 31 48.0	+0.9
P45A	Graceland, Par	66.09 342	P	P	02 30 59.2	-1.6	SCIA	State Center	69.91 339	eP	P	02 31 25.0	+0.3	MONP	Monument Peak	73.67 318	P	P	02 31 49.7	+1.5
O48A	Farmland	66.10 345	P	P	02 30 59.8	-1.2	SCIA	State Center	69.91 339	eP	P	02 31 24.0	-0.7	BAR	Barrett	73.68 318	eP	P	02 31 48.7	+1.3
Q43A	New Douglas	66.11 341	P	P	02 30 59.4	-1.6	TUC	Tucson	69.92 321	eP	P	02 31 26.6	+1.5	E38A	The Farm, Brul	73.69 343	eP	P	02 31 47.0	-0.1
N50A	Nevada	66.14 347	P	P	02 31 00.2	-0.9	TUC	Tucson	69.92 321	P	P	02 31 26.1	+1.0	E38A	The Farm, Brul	73.69 343	P	P	02 31 48.4	+1.3
M54A	Oil Creek Stat	66.19 350	P	P	02 31 01.5	-0.1	JFWS	Jewell Farm	69.93 342	eP	P	02 31 23.2	-1.5	SBA	Scott Base	73.78 190	eP	P	02 31 49.8	+2.5
HRV	Adam Dziewonsk	66.25 356	P	P	02 31 01.7	-0.2	JFWS	Jewell Farm	69.93 342	P	P	02 31 24.2	-0.6	IRM	Iron Mountain	73.78 320	P	P	02 31 49.4	+1.4
QSPA	South Pole Qui	66.27 180	eP	P	02 31 02.9	+1.0	K40A	Colesburg	69.99 341	P	P	02 31 24.3	-0.8	U15A	North Rim	73.79 323	eP	P	02 31 50.0	+1.7
O47A	Sheridan	66.33 344	P	P	02 31 01.2	-1.3	J42A	Columbus	69.99 343	P	P	02 31 24.1	-1.0	N23A	Red Feather La	74.03 330	eP	P	02 31 51.0	+1.4
GD1L	Guadalupe Moun	66.34 326	eP	P	02 31 03.9	+1.1	H46A	Fife Lake	70.18 346	P	P	02 31 25.2	-1.1	N23A	Red Feather La	74.03 330	P	P	02 31 50.3	+0.8
Q42A	Golden Eagle	66.34 340	P	P	02 31 01.7	-0.8	K39A	Delwein	70.22 341	P	P	02 31 25.4	-1.2	PHWY	Pilot Hill	74.13 331	eP	P	02 31 51.5	+1.3
BIN1	Binghamton	66.34 353	eP	P	02 31 03.2	+0.7	I43A	Langenfeld Bro	70.26 344	P	P	02 31 25.8	-0.9	BELC	Belle Mtn, Jos	74.18 319	P	P	02 31 51.4	+1.0
BIN1	Binghamton	66.34 353	P	P	02 31 03.1	+0.6	J41A	Loganville	70.28 342	P	P	02 31 25.9	-0.9	XPFO	Pion Flat	74.19 319	eP	P	02 31 52.2	+1.8
MNTX	Cornudas Mount	66.48 325	eP	P	02 31 03.5	-0.1	ALGO	Algonquin Park	70.30 352	P	P	02 31 26.6	-0.4	PFO	Pinyon Flats O	74.19 319	eP	P	02 31 52.2	+1.7
MNTX	Cornudas Mount	66.48 325	P	P	02 31 03.0	-0.5	T25A	Trinidad	70.30 329	eP	P	02 31 28.9	+1.4	PFO	Pinyon Flats O	74.19 319	P	P	02 31 51.9	+1.4
M51A	Elyria	66.48 347	P	P	02 31 02.5	-0.8	T25A	Trinidad	70.30 329	P	P	02 31 28.3	+0.9	LDFC	Landfair	74.41 321	eP	P	02 31 53.9	+2.3
N49A	Columbus Grove	66.51 346	P	P	02 31 02.5	-1.0	I42A	Draefer Farm,	70.47 343	eP	P	02 31 27.9	-0.2	O20A	White River Ci	74.50 328	eP	P	02 31 53.8	+1.6
Q41A	Truxton	66.60 339	P	P	02 31 03.4	-0.8	I42A	Draefer Farm,	70.47 343	P	P	02 31 27.4	-0.6	O20A	White River Ci	74.50 328	P	P	02 31 53.3	+1.1
N48A	Decatur	66.64 345	P	P	02 31 03.4	-1.0	J40A	Soldiers Grove	70.51 342	P	P	02 31 27.7	-0.6	KNB	Kanab	74.51 323	eP	P	02 31 54.6	+2.3
L55A	Hinsdale	66.65 351	P	P	02 31 03.9	-0.6	H43A	Windswept, Lux	70.72 344	P	P	02 31 28.5	-1.0	GMRC	Granite Mounta	74.52 320	P	P	02 31 54.3	+1.4
P43A	Skaggs, Pawnee	66.70 341	P	P	02 31 03.3	-1.5	F49A	Sandfield	70.73 349	P	P	02 31 28.9	-0.6	MURC	Murrieta	74.63 318	P	P	02 31 54.1	+1.2
SFIN	Lafayette	66.71 343	eP	P	02 31 03.5	-1.3	J39A	Decorah	70.74 341	P	P	02 31 28.8	-0.9	LCMT	Little Creek M	74.73 323	eP	P	02 31 55.3	+1.8
SFIN	Lafayette	66.71 343	P	P	02 31 03.0	-1.8	214A	Organ Pipe Nat	70.84 320	P	P	02 31 32.1	+1.5	VNDA	Vanda	74.78 190	P	P	02 31 55.0	+1.9
L53A	Girard	66.72 349	P	P	02 31 03.3	-1.6	I41A	Arkoke	70.88 343	P	P	02 31 29.7	-0.8	VNDA	Vanda	74.78 190	eP	P	02 31 55.2	+2.1
O45A	Potomac	66.75 343	P	P	02 31 03.4	-1.7	H42A	Shiocton	70.94 344	eP	P	02 31 30.7	-0.2	SRU	San Rafael Sev	74.85 326	eP	P	02 31 55.6	+1.4
N47A	Urbana	66.82 345	P	P	02 31 04.2	-1.3	H42A	Shiocton	70.94 344	P	P	02 31 30.0	-0.9	EYMN	Ely	74.90 343	P	P	02 31 54.5	+0.5
O44A	Mansfield	66.87 342	P	P	02 31 04.0	-1.8	KSCO	Kaye Shedlock'	71.01 331	eP	P	02 31 32.9	+1.3	MTPU	Mount Pierson	74.91 324	eP	P	02 31 56.5	+1.7
P42A	Winchester	66.90 340	eP	P	02 31 05.2	-0.8	KSCO	Kaye Shedlock'	71.01 331	P	P	02 31 32.4	+0.8	HEC	Hector, Ludlow	74.95 320	P	P	02 31 56.2	+1.5
P42A	Winchester	66.90 340	P	P	02 31 04.7	-1.3	X18A	Snowflake	71.10 323	eP	P	02 31 34.1	+1.8	Q16A	Castle Valley	75.03 326	eP	P	02 31 57.7	+2.4
MSTX	Muleshoe	66.96 328	eP	P	02 31 06.6	-0.2	I39A	Houston	71.16 341	eP	P	02 31 31.7	-0.5	ZSCU	Shurtz Canyon	75.07 324	eP	P	02 31 57.5	+2.0
MSTX	Muleshoe	66.96 328	P	P	02 31 06.5	-0.2	I39A	Houston	71.16 341	P	P	02 31 31.4	-0.8	TUQ	Turquoise Moun	75.13 320	P	P	02 31 57.1	+1.3
M49A	Liberty Center	66.99 346	P	P	02 31 05.5	-1.0	BGNE	Belgrade	71.20 336	eP	P	02 31 33.0	+0.5	CCUT	Cedar City	75.19 323	eP	P	02 31 58.6	+2.4
N46A	Monticello	67.10 344	P	P	02 31 06.2	-1.0	BGNE	Belgrade	71.20 336	P	P	02 31 32.4	-0.2	P17A	Butcher Ranch	75.23 326	eP	P	02 31 58.0	+1.6
AMTX	Amarillo	67.19 329	eP	P	02 31 08.3	+0.2	SDCO	Great Sand Dun	71.31 328	eP	P	02 31 34.6	+1.1	RWWY	Rawlins	75.23 330	eP	P	02 31 58.0	+1.5
AMTX	Amarillo	67.19 329	P	P	02 31 07.9	-0.2	SDCO	Great Sand Dun	71.31 328	P	P	02 31 34.7	+1.1	MSU	Marvysale	75.26 325	eP	P	02 31 58.6	+2.0
P41A	Barry, Barry	67.20 340	P	P	02 31 07.0	-0.9	H41A	Junction City	71.34 343	eP	P	02 31 32.8	-0.4	TMUT	Trail Mountain	75.34 326	eP	P	02 31 58.8	+1.6
O43A	Sugar Creek Fa	67.23 342	P	P	02 31 06.7	-1.4	H41A	Junction City	71.34 343	P	P	02 31 32.5	-0.7	BFSC	Mount Baldy Ra	75.34 318	P	P	02 31 58.4	+1.3
N45A	Kentland	67.26 343	P	P	02 31 06.6	-1.6	W18A	Petrified Fore	71.42 324	eP	P	02 31 35.9	+1.7	SHPR	Sheep Range	75.44 322	eP	P	02 31 59.5	+1.9
N44A	Piper City	67.38 343	P	P	02 31 07.3	-1.6	W18A	Petrified Fore	71.42 324	P	P	02 31 35.4	+1.2	GSC	Goldstone, Bar	75.56 320	eP	P	02 32 00.2	+2.0
O42A	Bayth	67.38 341	P	P	02 31 07.3	-1.7	E48A	Locke	71.45 349	P	P	02 31 33.7	-0.1	GSC	Goldstone, Bar	75.56 320	P	P	02 31 59.4	+1.2
HD1L	Hopedale	67.48 342	eP	P	02 31 08.8	-0.9	H40A	Chili	71.54 343	P	P	02 31 34.1	-0.4	K22A	Casper	75.69 331	P	P	02 32 00.3	+1.4
HD1L	Hopedale	67.48 342	P	P	02 31 07.9	-1.7	D51A	Lot 18 Range I	71.59 351	P	P	02 31 34.3	-0.4	K22A	Casper	75.69 331	P	P	02 31 59.8	+0.9
M46A	Old House Fiel	67.48 344	P	P	02 31 08.2	-1.5	G42A	Mountain	71.60 344	P	P	02 31 34.2	-0.6	RSSD	Black Hills	75.81 333	eP	P	02 32 00.5	+0.9
L48A	N Adams	67.54 346	P	P	02 31 08.7	-1.3	E47A	Iron Bridge	71.62 348	P	P	02 31 34.1	-0.7	RSSD	Black Hills	75.81 333	P	P	02 32 00.1	+0.5
O41A	Pasleys Farm,	67.55 340	P	P	02 31 08.6	-1.5	E46A	Sault Ste Mari	71.74 347	P	P	02 31 34.5	-1.0	EDW2	Edwards Air Fo	75.98 319	P	P	02 32 01.5	+0.9
L49A	Milan	67.55 346	P	P	02 31 09.1	-1.0	G41A	Antigo	71.77 344	P	P	02 31 34.7	-1.1	MPU	Maple Canyon	75.99 326	eP	P	02 32 02.9	+1.6
HSIG	comp=E,27nm,1.1s	67.62 319	eP	P	02 31 11.9	+1.1	X16A	Lo Mia Camp, P	71.84 322	eP	P	02 31 34.7	-1.1	PSUT	Pine Spring	76.17 324	eP	P	02 32 03.6	+1.9
DBIC	Dimbokro	67.65 71	P	P	02 31 09.9	-1.4	H39A	Augusta	71.85 342	P	P	02 31 34.9	-1.4	LRMC	Laurel Mtn Rad	76.20 319	P	P	02 32 03.2	+1.3
DBIC	Dimbokro	67.65 71	eP	P	02 31 09.9	-1.4	F43A	Flat Rock, Esc	71.85 345	P	P	02 31 34.8	-1.5	NLU	North Lily Min	76.27 326	eP	P	02 32 04.0	+1.7
N43A	Stutzman Famil	68.00 342	P	P	02 31 10.5	-1.1	E45A	Wooded Hills,	71.91 347	P	P	02 31 36.0	-0.6	TPNV	Topopah Spring	76.38 321	eP	P	02 32 04.6	+1.6
N42A	Yates City	67.95 341	P	P	02 31 11.4	-1.2	S22A	4UR Ranch, Cre	71.95 328	P										

Table of astronomical observations for 2013 APR, columns include station name, object name, magnitude, position, and other parameters.

Table of astronomical observations for 2013 APR, columns include station name, object name, magnitude, position, and other parameters.

Table of astronomical observations for 4d 2h, columns include station name, object name, magnitude, position, and other parameters.







4d 2h

2013 APR

BILL	comp=Z,16nm,0.5s	59.36	18c	iP	P	02 37 04.5	+0.4
BILL				e		02 37 52.8	
BILL				e		02 39 12.2	
BILL	comp=Z,4.0nm,0.7s				pmax		
WSAR	comp=Z,4.18nm,20.0s	59.52	288	P	P	02 37 05.3	-0.8
GEYT	comp=Z,1.8nm,0.6s,baz=139,slow=6.4,SNR=25	59.69	305	P	P	02 37 07.8	+0.7
GEYT	comp=Z,3.2nm,0.7s,baz=151,slow=3.4,SNR=53				LR	03 06 37.3	
GYA0B	ALIBECK ARRAY	59.69	305	eP	P	02 37 07.7	+0.7
ABKAR	Akbulak array	59.77	318	eP	P	02 37 07.2	-0.1
MHTO	MHTO	60.37	285	P	P	02 37 10.1	-1.7
MHTO	SNR=5.8				P	02 37 10.1	-1.7
SVE	SNR=5.8	61.13	327j	eP	S	02 37 16.6	+0.1
SVE	SVERDLOVSK			eS	S	02 45 33.0	+1.2
SVE					pmax		
SVE	comp=Z,1.16nm,0.6s				pmax		
SVK	comp=Z,7.01nm,18.0s				MLR		
AKTO	AKTYUBINSK	61.22	319	P	pmax	02 37 16.6	-0.6
SOHO	SOHO	61.35	289	P	P	02 37 18.1	-0.5
SOHO	SNR=5.1				P	02 37 18.1	-0.5
SHME	SNR=5.1	61.54	291	iP	P	02 37 20.3	+0.5
HATD	Hatta, Dubai	61.65	290	iP	P	02 37 20.3	-0.3
HATD	Hatta, Dubai	61.65	290	iP	P	02 37 20.2	-0.3
HATD	SNR=5.1				P	02 37 20.2	-0.3
ASHO	SNR=5.1	61.73	290	iP	P	02 37 20.7	-0.4
ASHO	SNR=10.0	61.73	290	P	P	02 37 20.4	-0.7
ASHO	SNR=5.2	62.06	290	iP	P	02 37 22.6	-0.7
NAZ	Nazwa, Dubai	62.06	290	iP	P	02 37 22.6	-0.7
ARU	Arti	62.14	326	eP	P	02 37 22.7	-0.6
ARU	Arti	62.14	326	eP	P	02 37 22.6	-0.7
ARU	comp=Z,118nm,0.6s				S	02 38 00.4	
ARU					SS	02 45 45.4	+0.8
ARU					SS	02 49 43.6	-4.3
ARU	comp=Z,80nm,0.5s				pmax		
FAQ	comp=Z,1.1um,16.0s				MLR		
FAQ	Al Faqa, Dubai	62.15	290	iP	P	02 37 23.2	-0.7
FAQ	SNR=7.9	62.15	290	P	P	02 37 22.8	-1.1
ASUD	AI Ashush, Dub	62.40	290	iP	P	02 37 25.4	-0.1
ASUD	SNR=5.3	62.40	290	P	P	02 37 25.2	-0.3
ASUD	AI Ashush, Dub	62.40	290	P	P	02 37 25.2	-0.3
AJN	Ajban	62.71	290	P	P	02 37 27.2	-0.4
GAMB	Gambell	65.58	27	eP	P	02 37 46.8	+1.1
MAK	comp=Z,1.4nm,0.7s				P	02 37 58.7	-2.0
MAK	Makhackkala	67.87	310	eP	P	02 40 28.2	
MAK					eS	02 46 55.6	+0.2
MAK					SS	02 51 19.7	+2.1
MAK					pmax		
ANM	comp=Z,156nm,1.5s				P	02 38 01.4	-2.6
ANM	Nome	68.46	26	eP	P	02 38 01.4	-2.6
ANM	comp=Z,7.4nm,0.7s				pmax		
MSEY	comp=Z,7.0nm,0.7s				P	02 38 05.8	-0.2
GROC	Mahe Island	68.63	258	P	P	02 38 02.8	-5.7
GROC	Groznyy	69.12	311	eP	P	02 38 28.6	
GROC					e	02 40 38.7	
PRGR	comp=Z,2.20nm,1.2s				pmax		
PRGR	Permogore	69.56	330	eP	pmax	02 38 08.9	-2.0
RDOG	comp=Z,3.5nm,0.6s				pmax		
RDOG	Red Dog Mine	69.93	23	eP	P	02 38 14.5	+1.4
TBLG	comp=Z,8.3nm,1.0s				pmax		
TBLG	Delisi	69.98	309	eP	P	02 38 14.6	+0.7
TBLG	Delisi	69.98	309	eP	pmax	02 38 14.6	+0.7
GNI	comp=Z,15nm,0.7s				P	02 38 16.9	+2.2
GNI	Garni	70.08	307	eP	P	02 38 15.7	+1.0
GNI	comp=Z,19nm,1.0s				pmax		
GNI	Garni	70.08	307	eP	pmax	02 38 15.7	+1.0
ZEI	comp=Z,47nm,1.3s				P	02 38 16.0	-1.5
ZEI	Tsey	70.53	310	eP	pmax	02 38 16.0	-1.5
NCK	comp=Z,16nm,0.6s				P	02 38 17.5	-0.8
NCK	Nalchik	70.70	311j	eP	pmax	02 38 17.5	-0.8
KBZ	comp=Z,7.0nm,0.3s				P	02 38 20.8	-0.4
KBZ	Khabaz	71.19	311	P	P	03 13 21.3	
KBZ	comp=Z,9.0nm,0.8s,baz=101,slow=5.0,SNR=21				LR		
KARS	comp=Z,1.1um,18.2s,baz=78,slow=39				P	02 38 23.1	+1.0
KARS	Kars	71.31	308	eP	P	02 38 23.4	+0.2
KIV	comp=Z,3.8nm,0.7s				P	02 38 22.6	+0.4
KIV	Kislovodsk	71.33	312	eP	P	02 38 22.5	+0.3
KIV	comp=Z,9.3nm,0.6s				P	02 38 22.5	+0.3
KIV	Kislovodsk	71.33	312j	iP	P	02 38 22.5	+0.3
KIV	Kislovodsk	71.33	312	iP	P	02 38 22.5	+0.3
KIV	SNR=10				P	02 38 22.5	+0.3
KIV	Kislovodsk	71.33	312	eP	pmax	02 38 22.5	+0.3
KIV	comp=Z,113nm,1.0s				MLR		
KIV	comp=Z,3.3um,18.0s				P	02 38 22.6	+0.4
KIV	Kislovodsk	71.33	312	P	P	02 38 22.6	+0.4
KIV	SNR=7.1				P	02 38 22.6	+0.4
NEY	SNR=7.1	71.36	311j	eP	P	02 38 22.7	+0.2
NEY	Neytrino				pmax		
VRH	comp=Z,3.0nm,0.7s				P	02 38 22.0	-1.2
VRH	Novokhopovorsk	71.56	319	eP	pmax	02 38 22.0	-1.2
VRH	comp=Z,4.0nm,0.6s				MLR		
SIRT	comp=Z,720nm,17.0s				P	02 38 27.0	-0.1
SIRT	Sirnak	72.12	305	eP	P	02 38 28.1	0.0
BCA	comp=Z,103nm,1.0s				P	02 38 28.1	-2.5
KLMM	Borcka	72.33	309j	iP	P	02 38 28.1	0.0
KLMM	Klimovskoe	72.49	329	eP	pmax	02 38 28.1	-2.5
KLMM					pmax		
KLMM	comp=Z,23nm,0.7s				P	02 38 26.1	-2.5
KLMM	Klimovskoe	72.49	329	eP	AMP	02 38 26.1	-2.5
SVWZ	comp=Z,23nm,0.7s				P	02 38 31.8	+1.7
SVWZ	Sparrevojn	72.73	30	eP	P	02 38 31.7	-0.5
TMCR	comp=Z,1.9nm,1.4s				P	02 38 31.7	-0.5
TMCR	Tamitsa	73.11	333	eP	pmax	02 38 31.7	-0.5
VSR	comp=Z,39nm,0.6s				P	02 38 31.2	-1.6
VSR	Storzhevoje	73.16	319	eP	pmax	02 38 31.2	-1.6
VSR	comp=Z,20nm,0.7s				MLR		
VSR	comp=Z,700nm,20.0s				MLR		
LPSR	comp=Z,40nm,0.6s				pmax		
LPSR	Galich'ya Gora	73.21	321	eP	pmax	02 38 32.0	-1.0
LPSR	comp=Z,330nm,15.0s				MLR		
IM3	Indian Mountai	73.42	25	eP	P	02 38 33.5	-0.6
SOC	Sochi	73.51	311	eP	P	02 38 33.1	-1.9
SOC					e	02 41 15.8	
SOC					ePPP	02 43 01.1	
SOC					SKIKP	02 48 02.9	+1.8
SOC					SS	02 52 42.7	-1.4

SOC	comp=Z,1.8nm,0.5s				pmax		
SOC	Kodiak Island	74.45	34c	iP	P	02 38 40.3	+0.1
MOS	comp=Z,720nm,16.0s				MLR		
MOS	Moscow	73.74	324	eP	P	02 38 35.0	-1.1
MOS	comp=Z,56nm,0.6s				pmax		
DAMY	comp=Z,800nm,21.0s				MLR		
DAMY	Dhamar	74.20	281	eP	P	02 38 41.2	+1.3
PPLA	Purkeypile	74.24	28	eP	P	02 38 40.4	+1.3
OBN	comp=Z,1.4nm,0.8s				P	02 38 39.1	-0.7
OBN	Obninsk	74.39	324	eP	P	02 38 38.6	-1.3
OBN	comp=Z,24nm,0.6s				P	02 38 50.2	
OBN	Obninsk	74.39	324	iP	P	02 48 08.9	-1.4
OBN					eS		
OBN					S		
OBN	comp=Z,20nm,0.6s				pmax		
OBN					MLR		
KDAX	comp=Z,601nm,17.0s				P	02 38 40.3	+0.1
BPW	Kodiak Island	74.45	34c	iP	P	02 38 42.5	+1.0
BPW	Bear Paw Mtn.	74.69	27	eP	P	02 38 44.0	+2.1
COLD	comp=Z,25nm,0.9s				P	02 38 44.0	+2.1
COLD	Coldfoot	74.76	24	eP	P	02 38 41.5	-0.7
APA	comp=Z,7.7nm,0.8s				iP		
APA	Apatity	74.83	337j	iP	pmax	02 38 41.5	-0.7
APA	comp=Z,24nm,0.6s				pmax		
APA					MLR		
BKZ	comp=Z,1.1um,22.0s				P	02 38 44.3	+1.2
BKZ	Black Stump Fm	74.89	139	eP	P	02 38 42.2	-1.4
ANN	comp=Z,25nm,1.0s				P	02 38 42.2	-1.4
ANN	Anapa	74.99	313	eP	P	02 38 54.9	
ANN					eS	02 48 17.6	+0.2
ANN					S		
TRF	comp=Z,1.1nm,0.6s				P	02 38 44.9	+1.0
TRF	Thorofare Moun	75.06	28	eP	P	02 38 44.9	+1.0
BRK1	Bradley Lake	75.14	32	eP	P	02 38 44.5	+0.3
BRLC	comp=Z,1.8nm,0.9s				P	02 38 46.7	+0.1
BRLC	Rabbit Creek A	75.56	30	eP	P	02 38 47.4	0.0
RND	comp=Z,8.7nm,0.7s				P	02 38 47.4	0.0
RND	Reindeer	75.70	28	eP	P	02 38 48.9	+1.1
MDM	comp=Z,1.8nm,0.9s				P	02 38 47.2	-0.6
MDM	Murphy Dome	75.79	26	eP	P	02 38 47.2	-0.6
PMR	comp=Z,1.7nm,0.6s				P	02 38 47.2	-0.6
PMR	Palmer	75.79	30	eP	pmax	02 38 49.1	+0.6
PMR	Palmer	75.79	30	eP	pmax	02 38 47.2	-0.6
WRH	comp=Z,1.7nm,0.6s				P	02 38 49.1	+0.6
WRH	Wood River Hill	75.91	27	eP	P	02 38 50.1	+1.3
TCOL	comp=Z,5nm,0.8s				P	02 38 47.8	-0.9

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NC303 NORARS Array S, NB201 NORARS Array S, NB202 NORARS Array S, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GEC2 GERESS Array S, GERES GERESS Array S, GEA0 GERESS Array S, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like (MURCIA) MDD 04 02:27.15.2, GORAF GORAF, EMUR La Murta, etc.

IGIL 04 02:27:12.8, 37.82N:1.60W, h2km, ML3.9
ISCBJ 04 02:27:12.9, 3.38, 01N:0.01:1.97W, 0.01, h5km, 1km,
Error ellipse: s-maj=2.3km s-min=1.5km az=154.6
SFS 04 02:27:14.1, 37.60N:1.80W, h1km, ML3.7, W. LORCA



Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res	ISC
CAF	Calviac	7.63	21	ePn	Pn	02 29 06.8	+2.2
CAF	Calviac	7.63	21	eSn	Sn	02 30 26.8	-3.9
CAF	Calviac	7.63	21	Pn	Pn	02 29 06.8	+2.2
CAF	Calviac	7.63	21	Sn	Sn	02 30 26.8	-3.9
RJF	Les Rejaudoux	7.83	18	ePn	Pn	02 29 08.7	+1.3
RJF	Les Rejaudoux	7.83	18	eSn	Sn	02 30 32.3	-3.4
RJF	Les Rejaudoux	7.83	18	Pn	Pn	02 29 08.7	+1.3
RJF	Les Rejaudoux	7.83	18	Sn	Sn	02 30 32.3	-3.4
LBL	Lubilhac	8.28	26	P	Pn	02 29 14.8	+1.3
LMR	La Moure	8.36	47	ePn	Pn	02 29 15.4	+0.8
LMR	La Moure	8.36	47	eSn	Sn	02 30 45.0	-3.7
LMR	La Moure	8.36	47	Pn	Pn	02 29 15.4	+0.8
LMR	La Moure	8.36	47	Sn	Sn	02 30 45.0	-3.7
VIVF	Saint-Julien-1	8.52	33	ePn	Pn	02 29 18.0	+1.2
VIVF	Saint-Julien-1	8.52	33	eSn	Sn	02 29 18.0	+1.2
PYM	Petit Puy Mans	8.66	23	P	Pn	02 29 21.1	+2.4
MFF	Saint Martin d	8.81	8	ePn	Pn	02 29 22.3	+1.6
MFF	Saint Martin d	8.81	8	eSn	Sn	02 30 56.0	-3.6
MFF	Saint Martin d	8.81	8	Pn	Pn	02 29 22.3	+1.6
MFF	Saint Martin d	8.81	8	Sn	Sn	02 30 56.0	-3.6
TCF	Touix Ste Croi	8.92	18	ePn	Pn	02 29 23.7	+1.3
TCF	Touix Ste Croi	8.92	18	eSn	Sn	02 30 58.8	-3.8
TCF	Touix Ste Croi	8.92	18	Pn	Pn	02 29 23.7	+1.3
TCF	Touix Ste Croi	8.92	18	Sn	Sn	02 30 58.8	-3.8
AGO	Saint-Agoulin	8.96	23	P	Pn	02 29 24.5	+1.6
ORIF	Oris-en-Rattie	9.11	37	ePn	Pn	02 29 26.5	+1.5
ORIF	Oris-en-Rattie	9.11	37	eSn	Sn	02 29 26.5	+1.5
ORIF	Oris-en-Rattie	9.11	37	Pn	Pn	02 29 26.5	+1.5
ORIF	Oris-en-Rattie	9.11	37	Sn	Sn	02 29 26.5	+1.5
BGF	Bois d'Agland	9.34	20	ePn	Pn	02 29 29.1	+1.1
BGF	Bois d'Agland	9.34	20	eSn	Sn	02 29 31.3	+0.8
BGF	Bois d'Agland	9.34	20	Pn	Pn	02 29 29.1	+1.1
BGF	Bois d'Agland	9.34	20	Sn	Sn	02 29 31.3	+0.8
PGF	Pioggiola	9.51	57	ePn	Pn	02 29 34.4	+1.5
PGF	Pioggiola	9.51	57	eSn	Sn	02 29 34.4	+1.5
PGF	Pioggiola	9.51	57	Pn	Pn	02 29 34.4	+1.5
PGF	Pioggiola	9.51	57	Sn	Sn	02 29 34.4	+1.5
AVF	Avril sur Loir	9.70	22	ePn	Pn	02 29 34.4	+1.5
AVF	Avril sur Loir	9.70	22	eSn	Sn	02 29 34.4	+1.5
AVF	Avril sur Loir	9.70	22	Pn	Pn	02 29 34.4	+1.5
AVF	Avril sur Loir	9.70	22	Sn	Sn	02 29 34.4	+1.5
SMF	Signal de Mont	9.72	24	ePn	Pn	02 29 34.4	+1.2
SMF	Signal de Mont	9.72	24	eSn	Sn	02 29 34.4	+1.2
SMF	Signal de Mont	9.72	24	Pn	Pn	02 29 34.4	+1.2
SMF	Signal de Mont	9.72	24	Sn	Sn	02 29 34.4	+1.2
HYF	Humbigny	9.95	18	ePn	Pn	02 29 38.2	+1.9
HYF	Humbigny	9.95	18	eSn	Sn	02 29 38.2	+1.9
HYF	Humbigny	9.95	18	Pn	Pn	02 29 38.2	+1.9
HYF	Humbigny	9.95	18	Sn	Sn	02 29 38.2	+1.9
LPL	La Plagne	9.96	37	ePn	Pn	02 29 38.2	+1.3
LPL	La Plagne	9.96	37	eSn	Sn	02 29 38.2	+1.3
LPL	La Plagne	9.96	37	Pn	Pn	02 29 38.2	+1.3
LPL	La Plagne	9.96	37	Sn	Sn	02 29 38.2	+1.3
SSF	Saint Saule	9.99	22	ePn	Pn	02 29 37.9	+1.0
SSF	Saint Saule	9.99	22	eSn	Sn	02 29 37.9	+1.0
SSF	Saint Saule	9.99	22	Pn	Pn	02 29 37.9	+1.0
SSF	Saint Saule	9.99	22	Sn	Sn	02 29 37.9	+1.0
QUIF	Quistinic	10.08	355	ePn	Pn	02 29 39.5	+1.4
QUIF	Quistinic	10.08	355	eSn	Sn	02 31 26.7	-4.1
QUIF	Quistinic	10.08	355	Pn	Pn	02 29 39.5	+1.4
QUIF	Quistinic	10.08	355	Sn	Sn	02 31 26.7	-4.1
SGMF	Saint Gilles	10.38	357	ePn	Pn	02 29 43.3	+1.0
SGMF	Saint Gilles	10.38	357	eSn	Sn	02 29 43.3	+1.0
SGMF	Saint Gilles	10.38	357	Pn	Pn	02 29 43.3	+1.0
SGMF	Saint Gilles	10.38	357	Sn	Sn	02 29 43.3	+1.0
ROSF	Rostréren	10.51	355	ePn	Pn	02 29 44.9	+0.9
ROSF	Rostréren	10.51	355	eSn	Sn	02 31 37.1	-4.2
ROSF	Rostréren	10.51	355	Pn	Pn	02 29 44.9	+0.9
ROSF	Rostréren	10.51	355	Sn	Sn	02 31 37.1	-4.2
GRR	Gorron	10.53	4	ePn	Pn	02 29 45.9	+1.6
GRR	Gorron	10.53	4	eSn	Sn	02 29 45.9	+1.6
GRR	Gorron	10.53	4	Pn	Pn	02 29 45.9	+1.6
GRR	Gorron	10.53	4	Sn	Sn	02 29 45.9	+1.6
LDF	La Druitière	10.78	6	ePn	Pn	02 29 49.6	+1.8
BAIF	Baives	12.93	18	ePn	Pn	02 30 17.5	+0.5
BAIF	Baives	12.93	18	eSn	Sn	02 30 17.5	+0.5

MEX 04 02:58:21.3±0.5, 16°59'N×10°34'W, h9km±20km, MD3.7, Near east coast of Guerrero

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res	ISC
CAIG	Ei Cayaco	0.46	9	ePn	Pn	02 58 29.7	-0.6
CAIG	Ei Cayaco	0.46	9	eSn	Sn	02 58 36.5	+0.2
CAIG	Ei Cayaco	0.46	9	Pn	Pn	02 58 30.3	-1.0
CAIG	Ei Cayaco	0.46	9	Sn	Sn	02 59 38.3	+0.3
ZIIG	Zihuatanejo	1.48	313	ePn	Pn	02 58 44.7	-3.4
ZIIG	Zihuatanejo	1.48	313	eSn	Sn	02 59 01.9	-5.6
ZIIG	Zihuatanejo	1.48	313	Pn	Pn	02 58 44.7	-3.4
ZIIG	Zihuatanejo	1.48	313	Sn	Sn	02 59 01.9	-5.6
MEIG	Mezcala	1.49	27	ePn	Pn	02 58 45.8	-2.6
MEIG	Mezcala	1.49	27	eSn	Sn	02 59 03.1	-5.0
MEIG	Mezcala	1.49	27	Pn	Pn	02 58 45.8	-2.6
MEIG	Mezcala	1.49	27	Sn	Sn	02 59 03.1	-5.0
ARIG	Puente Sto Nin	1.68	360	ePn	Pn	02 59 07.5	-5.2
ARIG	Puente Sto Nin	1.68	360	eSn	Sn	02 59 15.9	-2.8
ARIG	Puente Sto Nin	1.68	360	Pn	Pn	02 59 07.5	-5.2
ARIG	Puente Sto Nin	1.68	360	Sn	Sn	02 59 15.9	-2.8
TLIG	Tlapa	1.95	60	ePn	Pn	02 59 15.9	-3.9
TLIG	Tlapa	1.95	60	eSn	Sn	02 59 20.2	-3.5
TLIG	Tlapa	1.95	60	Pn	Pn	02 59 15.9	-3.9
TLIG	Tlapa	1.95	60	Sn	Sn	02 59 20.2	-3.5
PNIG	Pinotepa	2.13	95	ePn	Pn	02 59 20.2	-3.5
PNIG	Pinotepa	2.13	95	eSn	Sn	02 59 20.2	-3.5
PNIG	Pinotepa	2.13	95	Pn	Pn	02 59 20.2	-3.5
PNIG	Pinotepa	2.13	95	Sn	Sn	02 59 20.2	-3.5

MEX 04 03:16:40.2±0.4, 16°10'N×93°11'W, h153km±6km, MD3.7, Chiapas

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res	ISC
PCIG	Comitan	0.41	195	ePn	Pn	03 17 00.1	-1.5
PCIG	Comitan	0.41	195	eSn	Sn	03 17 15.6	-2.2
PCIG	Comitan	0.41	195	Pn	Pn	03 17 15.6	-2.2
PCIG	Comitan	0.41	195	Sn	Sn	03 17 21.8	-2.3

ISCJB 04 03:48:49.7±1.8, 32°57'S±0°05':71°9'W±0°2', h33km, Error ellipse: s-maj=18.9km s-min=5.3km az=163.9

GUC 04 03:48:49.4±0.6, 32°55'S±0°05':71°6'W±0°2', h26km, 6km, ML3.1

SJA 04 03:48:52.0±0.6, 32°55'S±0°05':71°4'W±0°2', h10km, 4km, ML2.8, MW3.7

ISC 04 03:48:50.1±2.6, 32°50'S±0°04':71°6'W±0°1', h14km±12km, n14, ±0°86'22", 1°30'D, Near coast of central Chile

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res	ISC
ROCH	Ei Roble	0.67	135	ePn	Pn	03 49 14.6	+0.3
ROCH	Ei Roble	0.67	135	eSn	Sn	03 49 14.6	+0.3
ROCH	Ei Roble	0.67	135	Pn	Pn	03 49 14.6	+0.3
ROCH	Ei Roble	0.67	135	Sn	Sn	03 49 14.6	+0.3
ROCI	Peldehue	0.99	131	ePn	Pn	03 49 24.3	+0.8
ROCI	Peldehue	0.99	131	eSn	Sn	03 49 24.3	+0.8
ROCI	Peldehue	0.99	131	Pn	Pn	03 49 24.3	+0.8
ROCI	Peldehue	0.99	131	Sn	Sn	03 49 24.3	+0.8
CLCH	Cerro Calan	1.25	136	ePn	Pn	03 49 13.1	-0.2
CLCH	Cerro Calan	1.25	136	eSn	Sn	03 49 31.0	+0.5
CLCH	Cerro Calan	1.25	136	Pn	Pn	03 49 13.1	-0.2
CLCH	Cerro Calan	1.25	136	Sn	Sn	03 49 31.0	+0.5
FCH	Farellones	1.36	128	ePn	Pn	03 49 34.9	+0.9
FCH	Farellones	1.36	128	eSn	Sn	03 49 37.4	
FCH	Farellones	1.36	128	Pn	Pn	03 49 34.9	+0.9
FCH	Farellones	1.36	128	Sn	Sn	03 49 37.4	
CMCH	Combarbala	1.41	20	ePn	Pn	03 49 15.4	0.0
CMCH	Combarbala	1.41	20	eSn	Sn	03 49 34.7	+0.6
CMCH	Combarbala	1.41	20	Pn	Pn	03 49 15.4	0.0
CMCH	Combarbala	1.41	20	Sn	Sn	03 49 34.7	+0.6
LMEL	Las Melosas	1.77	140	ePn	Pn	03 49 21.3	+0.7
LMEL	Las Melosas	1.77	140	eSn	Sn	03 49 45.7	-1.4
LMEL	Las Melosas	1.77	140	Pn	Pn	03 49 21.3	+0.7
LMEL	Las Melosas	1.77	140	Sn	Sn	03 49 45.7	-1.4
AUSP	Uspallata	1.87	82	ePn	Pn	03 49 25.9	-0.1
AUSP	Uspallata	1.87	82	eSn	Sn	03 49 28.7	+1.3
AUSP	Uspallata	1.87	82	Pn	Pn	03 49 25.9	-0.1
AUSP	Uspallata	1.87	82	Sn	Sn	03 49 28.7	+1.3
RTLS	Cerro Arco	2.05	71	ePn	Pn	03 49 31.2	+0.4
RTLS	Cerro Arco	2.05	71	eSn	Sn	03 50 11.5	
RTLS	Cerro Arco	2.05	71	Pn	Pn	03 49 31.2	+0.4
RTLS	Cerro Arco	2.05	71	Sn	Sn	03 50 11.5	
ASAL	Salagasta	2.31	93	ePn	Pn	03 49 31.8	+0.1
ASAL	Salagasta	2.31</					



Table with columns: DL2, DL1, DL2, comp, Z, f, m, S, P, P, 04 46 21.8 -0.2, 04 49 15.4 +4.2, XAN, Xi'an, 26.23 276, eP, P, P, 04 48 12.0 -0.5, SKNT, Sakolnakorn, 37.73 250, P, P, 04 49 56.0 +2.7

Table with columns: ENH, Enshi, 26.84 276, eP, P, P, 04 48 17.0 -1.0, NONG, Nongkai, 37.73 252, P, P, 04 49 56.1 +2.8

Table with columns: MRSI, Fak Fak, 39.34 194, eP, P, P, 04 50 04.5 -2.0, FAKI, Fak Fak, 39.34 194, eP, P, P, 04 50 04.5 -2.3

KPKS	Kokpek	47.56 299	eP	P	04 51 11.9	-1.2
DMN	Daman	47.63 277	eP	P	04 51 13.1	-0.9
ZHN	Zhinishe	47.80 299	eP	P	04 51 14.1	-0.8
ZHN	Zhinishe	47.80 299	eP	P	04 51 14.1	-0.8
SATY	Saty	47.85 299	eP	P	04 51 14.2	-1.1
SATY	Saty	47.85 299	eP	P	04 51 14.3	-1.1
EDFI	Ende, Flores	47.85 206	P	P	04 51 14.0	-1.5
SOEI	Soe	47.93 202	eP	P	04 51 14.6	-1.5
SOEI	Soe	47.93 202	eP	P	04 51 16.2	+0.1
IM3	Indian Mountai	47.94 30	eP	P	04 51 16.7	+1.2
IM3	Przheval'sk	47.99 298	eP	P	04 52 45.1	+1.5
PRZ	Przheval'sk	47.99 298	eP	P	04 51 18.3	+1.8
PRZ	Przheval'sk	47.99 298	eP	P	04 51 18.3	+1.8
KDAAK	Kodiak Island	48.31 41	eP	P	04 51 19.1	+0.7
KDAAK	Kodiak Island	48.31 41	iP	P	04 51 19.0	+0.6
DANN	Dangasing	48.42 278	eP	P	04 51 20.3	+0.2
PPLA	Purkeypile	48.43 34	eP	P	04 51 22.1	+2.5
BATI	Baumata	48.55 203	P	P	04 51 20.8	+0.1
BATI	Baumata	48.55 203	P	P	04 51 20.9	+0.1
KOLN	Koldanda	48.78 278	eP	P	04 51 22.2	-0.6
MDOK	Medeo	48.79 299	eP	P	04 51 21.6	-1.0
MDOK	Medeo	48.79 299	eP	P	04 51 21.7	-0.9
MDOK	Medeo	48.79 299	eP	P	04 51 21.7	-0.9
MDOK	Medeo	48.79 299	eP	P	04 51 21.7	-0.9
KDJ	Kajisay	48.95 298	eP	P	04 51 25.6	+1.7
KDJ	Kajisay	48.95 298	eP	P	04 51 25.6	+1.7
BPAAW	Bear Paw Mtn.	49.00 33	eP	P	04 51 25.7	+2.0
BRLLK	Bradley Lake	49.10 38	eP	P	04 51 26.8	+2.3
BRLLK	Bradley Lake	49.10 38	eP	P	04 51 26.8	+2.3
SUA	Susitna One	49.11 36	eP	P	04 52 49.2	+1.2
KUU	Kuryt	49.11 300	eP	P	04 51 25.7	+0.9
KUU	Kuryt	49.11 300	eP	P	04 51 24.3	-0.6
KUU	Kuryt	49.11 300	eP	P	04 51 24.3	-0.6
KUU	Kuryt	49.11 300	eP	P	04 51 24.3	-0.6
PYUN	Piuthan	49.14 278	eP	P	04 51 25.5	0.0
MTN	Manton Dam	49.23 193	eP	P	04 51 26.5	+0.5
TRF	Thorofare Moun	49.30 34	eP	P	04 51 27.6	+1.4
RC01	Rabbit Creek A	49.31 37	eP	P	04 51 29.4	+1.0
BOOM	Boomsboye useh	49.75 299	eP	P	04 51 30.2	+0.3
PMR	Palmer	49.88 36	eP	P	04 51 31.3	+0.9
PMR	Palmer	49.88 36	eP	P	04 51 31.3	+0.9
RND	Reindeer	49.95 34	eP	P	04 51 31.6	+0.6
RND	Reindeer	49.95 34	eP	P	04 51 31.6	+0.6
MDM	Murphy Dome	50.20 32	eP	P	04 51 34.6	+1.7
KNK	Knik Glacier	50.21 36	eP	P	04 51 34.3	+1.3
KNK	Knik Glacier	50.21 36	eP	P	04 51 34.3	+1.3
SML	Sawmill	50.25 36	eP	P	04 51 34.7	+1.4
SML	Sawmill	50.25 36	eP	P	04 51 34.7	+1.4
WRH	Wood River Hill	50.26 32	eP	P	04 51 34.7	+1.4
BRZS	Berezniaki	50.27 309	eP	P	04 52 50.7	-1.2
BRZS	Berezniaki	50.27 309	eP	P	04 51 32.6	-1.0
BRZS	Berezniaki	50.27 309	eP	P	04 51 32.6	-1.0
BRZS	Berezniaki	50.27 309	eP	P	04 51 32.6	-1.0
COLA	CIGO, UAF Yank	50.35 32	P	P	04 51 35.2	+1.3
COLA	College	50.36 32	eP	P	04 51 36.0	+2.0
COLA	College	50.36 32	iP	P	04 51 35.1	+1.1
COLA	College	50.36 32	iP	P	04 51 35.1	+1.1
POKR	Poker Plat Res	50.53 31	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.56 295	P	P	05 01 25.0	-2.0
KSH	Kashi	50.56 295	P	P	04 51 36.8	+1.4
KSH	Kashi	50.56 295	P	P	04 51 39.8	+3.7
KSH	Kashi	50.56 295	P	P	04 51 50.4	+8.6
KSH	Kashi	50.56 295	P	P	04 53 34.9	+3.2
KSH	Kashi	50.56 295	P	P	04 58 48.7	-1.4
KSH	Kashi	50.5				

VSU	Vasula	71.33 330J	eP	P	04 53 57.5 +0.7
KBZ	Khabaz	71.41 311	P	P	04 53 58.2 +0.7
KBZ	Khabaz	71.41 311	P	P	04 53 58.2 +0.7
KVAR	Kislovodsk Arr	71.42 311	P	P	04 53 59.3 +1.5
KIV	Kislovodsk	71.42 311	eP	P	04 53 58.3 +0.5
KIV	Kislovodsk	71.42 311	iP	P	04 53 59.1 +1.3
KIV	Kislovodsk	71.42 311	eP	P	04 53 58.4 +0.6
KIV	Kislovodsk	71.42 311	eP	P	04 53 58.9 +1.1
YBH	Yreka Blue Hor	71.44 52	eP	P	04 53 59.8 +1.9
YBH	Yreka Blue Hor	71.44 52	eP	P	04 53 59.8 +1.9
L04D	Klamath Falls	71.44 51	P	P	04 53 59.1 +1.1
PINE	Pine Bluff	71.46 49	eP	P	04 53 59.8 +1.6
M02C	Callahan	71.52 52	P	P	04 54 00.2 +1.7
J05D	Fort Rock, OR	71.55 50	P	P	04 53 59.8 +1.2
K04D	Chiloquin, OR	71.57 50	P	P	04 53 59.9 +1.1
E09A	Wood Farm, Sta	71.68 46	eP	P	04 54 00.7 +1.5
NEY	Neytrino	71.78 310J	eP	P	04 54 01.4 +1.4
N02D	Trinity Center	71.84 52	P	P	04 54 01.5 +1.2
G08A	Pilot Rock	71.86 47	eP	P	04 54 01.8 +1.4
HATD	Hatta, Dubai	71.92 288	iP	P	04 54 01.2 +0.3
HATD	Hatta, Dubai	71.92 288	P	P	04 54 01.3 +0.3
SUMG	Summit	71.94 360	eP	P	04 54 01.5 +0.7
SUMG	Summit	71.94 360	iP	P	04 54 02.5 +1.7
SUMG	Summit	71.94 360	eP	P	04 54 01.5 +0.7
KCPM	Cahto Peak	71.94 54	eP	P	04 54 02.9 +1.9
M04C	Macdoel	71.97 51	P	P	04 54 02.2 +1.1
SOHO	SOHO	71.97 287	P	P	04 54 01.0 -0.3
ASHO	Ashiyah	72.06 288	P	P	04 54 01.8 0.0
ASHO	Ashiyah	72.06 288	P	P	04 54 01.8 0.0
K05A	Summer Lake	72.06 50	eP	P	04 54 03.5 +1.7
GNI	Garni	72.13 307	P	P	04 54 03.5 +1.3
GNI	Garni	72.13 307	iP	P	04 54 04.5 +2.3
GNI	Garni	72.13 307C	eP	P	04 54 03.4 +1.2
GNI	Garni	72.13 307	P	P	04 54 04.0 +1.8
WDC	Whiskeytown Da	72.15 53	eP	P	04 54 03.3 +1.2
WDC	Whiskeytown Da	72.15 53	eP	P	04 54 03.3 +1.2
O02D	Mt. Diablo Mer	72.20 53	P	P	04 54 03.8 -0.2
MHTO	MHTO	72.51 284	P	P	04 54 04.3 -0.2
F10A	Beach Ranch, E	72.51 46	eP	P	04 54 05.5 +1.3
WALA	Waterloo Lakes	72.64 42	eP	P	04 54 06.2 +1.1
ASUD	AI Astush, Dub	72.65 288	iP	P	04 54 06.0 +0.7
O03E	Paynes Creek	72.78 53	P	P	04 54 06.7 +0.7
MOD	Modoc Plateau	72.87 51	eP	P	04 54 08.0 +1.4
GDXM	Geysers	72.93 54	eP	P	04 54 09.0 +2.1
BMO	Blue Mountains	73.08 47	eP	P	04 54 08.6 +0.9
BMO	Blue Mountains	73.08 47	eP	P	04 54 08.6 +0.9
TOO	Toolang	73.10 176	eP	P	04 54 08.0 +0.5
TOO	Toolang	73.10 176	eP	P	04 54 08.0 +0.5
J08A	Circle Bar Ran	73.21 48	eP	P	04 54 09.8 +1.3
SCO	Scoresbysund	73.32 354	eP	P	04 54 09.1 +0.6
SCO	Scoresbysund	73.32 354	iP	P	04 54 09.6 +1.1
SCO	Scoresbysund	73.32 354	eP	P	04 54 09.1 +0.6
ORV	Oroville	73.37 53	eP	P	04 54 10.2 +0.8
ORV	Oroville	73.37 53	eP	P	04 54 10.2 +0.8
SOC	Sochi	73.43 312	eP	P	04 54 11.1 +1.5
SOC	Sochi	73.43 312	eP	P	04 54 11.1 +1.5
SOC	Sochi	73.43 312	eP	P	04 58 36.5
WVOR	Wild Horse Val	73.62 49	eP	P	04 54 12.0 +1.1
WVOR	Wild Horse Val	73.62 49	eP	P	04 54 12.0 +1.1
MSO	Missoula	73.91 44	eP	P	04 54 12.9 +0.4
MSO	Missoula	73.91 44	eP	P	04 54 12.8 +0.3
BEKR	Beckworth	73.94 52	eP	P	04 54 14.1 +1.2
AFDM	Forest Hills D	74.05 53	eP	P	04 54 14.7 +1.3
ANN	Anapa	74.11 314	eP	P	04 54 13.1 -0.5
ANN	Anapa	74.11 314	eP	P	04 54 27.9
RUBR	Rubicon Trail	74.52 53	eP	P	04 54 18.4 +2.0
PAHR	Pat Rah Range	74.66 52	eP	P	04 54 18.2 +1.1
VCNR	Virginia City	74.71 53	eP	P	04 54 19.0 +1.6
PNTR	Pine Nut	74.86 53	eP	P	04 54 20.0 +1.7
CMB	Columbia Colle	74.93 54	eP	P	04 54 19.6 +1.0
NC405	NORSAR Array S	74.97 337	eP	P	04 54 18.8 +0.5
FFC	Flin Flon	74.98 32	eP	P	04 54 18.3 -0.2
FFC	Flin Flon	74.98 32	eP	P	04 54 18.3 -0.2
NC303	NORSAR Array S	75.00 337	eP	P	04 54 19.4 +0.9
AKASG	Malin Array Be	75.04 322	P	P	04 54 18.6 -0.2
AKBB	Malin Array Si	75.04 322	eP	P	04 54 18.8 -0.1

KIEV	Kiev	75.05 322	eP	P	04 54 18.7 -0.2
KIEV	Kiev	75.05 322	iP	P	04 54 19.1 +0.2
KIEV	Kiev	75.05 322	iP	P	04 54 18.8 -0.1
KIEV	Kiev	75.05 322J	eP	P	04 54 18.4 -0.5
HFS	Hagfors	75.06 336	P	P	04 54 18.9 +0.1
AK11	Malin Array S	75.08 322	eP	P	04 54 18.8 -0.4
NC204	NORSAR Array S	75.15 338	eP	P	04 54 19.8 +0.4
HRY	Holler Researc	75.15 43	eP	P	04 54 20.9 +1.1
YERR	Yerington	75.15 53	eP	P	04 54 21.5 +1.5
NB201	NORSAR Array S	75.16 337	eP	P	04 54 19.8 +0.4
NB2	NORSAR Subarra	75.19 337	P	P	04 54 19.7 +0.1
NB2	NORSAR Subarra	75.19 337	P	P	04 54 19.7 +0.1
NOA	NORSAR Array B	75.19 337	P	P	04 54 19.6 +0.1
WAKR	Walker	75.29 53	eP	P	04 54 22.5 +1.7
NB000	NORSAR Array S	75.33 337	eP	P	04 54 20.8 +0.4
NA001	NORSAR Array S	75.44 337	eP	P	04 54 21.3 +0.3
EGMT	Eagleton	75.48 41	eP	P	04 54 22.2 +1.1
EGMT	Eagleton	75.48 41	eP	P	04 54 22.2 +0.6
DLMT	Dillon	75.52 44	eP	P	04 54 22.7 +0.7
HLID	Hailey	75.53 47	P	P	04 54 23.2 +1.1
BMN	Battle Mountai	75.62 50	eP	P	04 54 24.4 +1.8
BMN	Battle Mountai	75.62 50	eP	P	04 54 24.4 +1.8
MCW	McKenzie Canyo	75.69 45	eP	P	04 54 24.1 +1.0
SUM	Suwaki	75.73 327	eP	P	04 54 22.9 +0.1
SUM	Suwaki	75.73 327	eP	P	04 54 22.9 +0.1
SUW	Suwaki	75.73 327	eP	P	04 54 22.9 +0.1
RYN	Ryan	75.81 53	eP	P	04 54 25.4 +1.6
KVN	Kaiserville	75.85 52	eP	P	04 54 25.6 +1.6
KVN	Kaiserville	75.85 52	eP	P	04 54 25.6 +1.6
KVN	Kaiserville	75.85 52	eP	P	04 54 25.6 +1.6
BOZ	Bozeman (W)	75.93 44	eP	P	04 54 25.6 +1.3
BOZ	Bozeman (W)	75.93 44	eP	P	04 54 25.6 +1.3
BOZ	Bozeman (W)	75.93 44	eP	P	04 54 25.2 +0.9
MDPB	Devils Postpil	76.02 54	eP	P	04 54 26.6 +1.5
NV01	Mina Array Sit	76.07 53	eP	P	04 54 26.2 +0.9
NVAR	Mina Array Sit	76.07 53	eP	P	04 54 26.6 +1.2
NVAR	Mina Array Sit	76.07 53	eP	P	05 24 05.6
OMMB	Old Mammoth Mi	76.08 54	eP	P	04 54 27.0 +1.5
NV11	Mina Array Sit	76.16 53	eP	P	04 54 26.8 +1.0
MLAC	Mammoth, Mammo	76.18 54	eP	P	04 54 27.3 +1.4
PAGB	Antelope Grade	76.31 56	eP	P	04 54 28.3 +1.8
QLMT	Earthquake ELK	76.50 44	eP	P	04 54 29.3 +1.6
ELK	Elko	76.67 49	eP	P	04 54 30.5 +1.8
YHB	Horse Butte	76.68 44	eP	P	04 54 30.6 +1.9
SMMC	Simmler	76.71 56	P	P	04 54 30.0 +1.2
YHH	Holmes Hill	76.86 44	eP	P	04 54 31.3 +1.5
YMR	Madison River	76.86 44	eP	P	04 54 31.5 +1.5
CGMT	Greycliff	76.90 43	eP	P	04 54 31.4 +1.6
YNR	Norris Junctio	77.00 44	eP	P	04 54 33.4 +2.9
YFT	Old Faithful	77.07 44	eP	P	04 54 34.4 +3.5
YKM	McPherson Peak	77.08 56	P	P	04 54 32.4 +1.4
YPP	Pitchstone Pla	77.20 44	eP	P	04 54 34.3 +2.6
LKWY	Lak	77.25 44	eP	P	04 54 35.0 +3.1
H17A	Grant Village	77.25 44	eP	P	04 54 35.1 +3.2
H17A	Grant Village	77.25 44	eP	P	04 54 34.4 +2.4
IMW	Indian Meadow	77.35 45	eP	P	04 54 34.3 +1.8
CWC	Cottonwood Cre	77.35 54	P	P	04 54 33.2 +0.7
FLWY	Flag Ranch	77.37 44	eP	P	04 54 35.0 +2.4
FXWY	Fox Creek	77.46 45	eP	P	04 54 34.9 +1.9
GRAC	Grapevine Rang	77.50 53	P	P	04 54 34.5 +1.3
ISA	Isabella, Lake	77.53 55	eP	P	04 54 34.0 +0.5
ISA	Isabella, Lake	77.53 55	eP	P	04 54 34.0 +0.5
RLMT	Red Lodge	77.54 43	eP	P	04 54 35.0 +1.5
RLMT	Red Lodge	77.54 43	eP	P	04 54 34.6 +1.1
MOOW	Moose Ponds	77.55 45	eP	P	04 54 35.1 +1.5
HVU	Hansel Valley	77.56 47	eP	P	04 54 35.3 +1.7
HVU	Hansel Valley	77.56 47	eP	P	04 54 35.3 +1.7
TPAW	Tet Pass	77.59 45	eP	P	04 54 35.8 +1.9
LOHW	Long Hollow	77.71 45	eP	P	04 54 35.3 +0.8
SNOW	Snow King Moun	77.72 45	eP	P	04 54 36.2 +1.6
REDW	Red Top Meadow	77.72 45	eP	P	04 54 36.3 +1.7
DAC	Darwin (Calif)	77.77 54	eP	P	04 54 37.8 +2.9
DAC	Darwin (Calif)	77.77 54	eP	P	04 54 37.8 +2.9
R11A	Troy Canyon, C	77.86 51	eP	P	04 54 36.4 +1.0
R11A	Troy Canyon, C	77.86 51	eP	P	04 54 36.3 +1.0
BGU	Big Grassy Mou	77.92 48	eP	P	04 54 37.1 +1.6
MPMC	Manual Prospect	77.96 54	P	P	04 54 36.7 +0.8
SPUT	South Promonto	78.03 48	eP	P	04 54 37.9 +1.6
DGMT	Dagmar	78.08 38	eP	P	04 54 36.9 +0.7
DGMT	Dagmar	78.08 38	eP	P	04 54 36.9 +0.5
FURC	Furce Creek	78.14 54	P	P	04 54 37.5 +0.9
LVV	L'vov	78.15 324	eP	P	04 54 37.0 +0.5
LAO	LASA Array	78.19 40	eP	P	04 54 38.3 +1.4
LAO	LASA Array	78.19 40	eP	P	04 54 37.9 +1.0

TPNV	Topopah Spring	78.25 53	eP	P	04 54 38.4 +0.9
TPNV	Topopah Spring	78.25 53	eP	P	04 54 38.4 +0.9
TPNV	Topopah Spring	78.25 53	eP	P	04 54 38.1 +0.5
EDW2	Edwards Air Fo	78.31 55	P	P	04 54 38.2 +0.5
HWUT	Harware Ranch	78.38 47	eP	P	04 54 39.9 +1.7
DUG	Dugway, Tooele	78.49 49	eP	P	04 54 40.4 +1.6
DUG	Dugway, Tooele	78.49 49	eP	P	04 54 40.4 +1.6
DUG	Dugway, Tooele	78.49 49	eP	P	04 54 40.4 +1.6
DUG	Dugway, Tooele	78.49 49	eP	P	04 54 40.0 +1.2
TCUT	Town Canyon	78.77 47	eP	P	04 54 42.0 +1.6
CTU	Camp Tracy	78.83 48	eP	P	04 54 42.7 +2.0
BW06	Boulder Array	78.84 45	eP	P	04 54 41.5 +0.8
BW06	Boulder Array	78.84 45	eP	P	04 54 41.1 +0.4
PD31	Pinedale Array	78.84 45	eP	P	04 54 41.5 +0.8
PDAR	Pinedale Array	78.84 45	eP	P	04 54 41.4 +0.6
PDAR	Pinedale Array	78.84 45	eP	P	04 54 41.0 +0.2
PSUT	Pine Spring	78.84 50	eP	P	04 54 42.2 +1.4
SHOC	Shoshone, Teco	78.85 54	P	P	04 54 41.0 +0.4
GSC	Goldstone, Bar	78.85 55	eP	P	04 54 41.8 +1.0
GSC	Goldstone, Bar	78.85 55	eP	P	04 54 41.8 +1.0
GSC	Goldstone, Bar	78.85 55	eP	P	04 54 41.2 +0.4
CIS	Catalina Islan	78.88 57	P	P	04 54 41.6 +0.7
KWP	Kalwaria Pacia	78.91 324	eP	P	04 54 41.6 +0.9
KWP	Kalwaria Pacia	78.91 324	eP	P	04 54 40.6 -0.1
KWP	Kalwaria Pacia	78.91 324	eP	P	04 54 40.7 -0.1
BUR08	Buocovina Arr, S	79.03 322	eP	P	04 54 44.4 +2.8
TESR	Tescani	79.04 320	iP	P	04 54 41.8 +0.3
BIZ	Bicaz	79.04 321	iP	P	04 54 42.3 +0.8
BURAR	Buocovina Arr	79.04 322	iP	P	04 54 42.1 +0.5
JLU	Jordanville	79.06 48	eP	P	04 54 43.6 +1.6
NLU	North Lily Min	79.08 48	eP	P	04 54 43.7 +1.5
SHPR	Sheep Range	79.22 53	eP	P	04 54 44.2 +1.3
MPU	Maple Canyon	79.31 48	eP		



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes entries for R50A Paris, T49A Edmonton, S51A Beattyville, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes entries for TIR Tirane, BARS Fruska Gora, BOSS Banje, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes entries for MNAI Mannan, MNAI Mannan, LSHI Lahat, etc.

TIR 04 04:50:43.8, 43°25'N, 18°60'E, h1km, Md3.5/4
PRU 04 04:50:46.3, 0.0, 43°20'N, 18°62'E, h0km
LDG 04 04:50:46.8, 0.1, 43°16'N, 18°70'E, h10km, M3.8/6, Error

OBKA Obir 4.46 320 i Pn Pn 04 51 57.3 +1.7
ARSA Arzberg 4.66 332 ePn Sn 04 52 50.7 -2.0
ARSA 3.1nm,0.3s
RZN Rzesze 4.68 106 ePn Pn 04 51 59.0 +3.3

PSI 1.6nm,0.3s,baz=144,slow=11,SNR=12 S Sn 05 32 42.5 +14
PSI baz=126,slow=19,SNR=2.3 LR LR 05 34 36.3
PSI comp=2.699nm,21.6fz,baz=144,slow=42 LR LR 05 30 58.9 -2.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes entries for UPM Unac-Piva, BRY Bratogost, NKME Niksic, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes entries for MOA Mollin, ABTA Abfaltertsberg, MLR Martice Rosu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes entries for WJJI Wonogiri, TPTI TPTI, NGJI Ngawi, etc.

MOS 04 05:29:07.5, 1.1, 4°00'S, 102°56'E, h60km, mb5.7/52, Error
BUJ 04 05:29:07.8, 4.1, 10°S, 102°50'E, h50km, mb5.3/64, mB5.1/38, Ms4.6/32, Ms7.4/31
MOS 04 05:29:09.3, 0.4, 4°21'S, 102°50'E, h81km, mb5.3/3m, mb5.2/145, Error ellipse: s-maj=5.8km s-min=2.8km

DJA 04 05:29:09.2, 0.2, 4°S, 102°21'E, h53km, mb4.9/39, mb5.2/39, mb5.3/28, MLV5.2/25, Mw(mB)4.8/28
NEIC 04 05:29:09.8, 0.5, 4°15'S, 102°53'E, h70km, mb5.1/52, Error ellipse: s-maj=6.5km s-min=3.3km az=46.0
NEIC Felt [I] at Bengkulu and Kepahiang, IDC 04 05:29:09.6, 1.3, 4°14'S, 102°60'E, h66km, mb4.8/30, mb1.4/9/31, mb1mx4.8, mb3, mbmp5.1/31, MS3.9/25, Ms1.9/25, ms1mx3.7/49, Error ellipse: s-maj=14.0km s-min=8.5km az=46.0

GMCT 04 05:29:10.8, 0.3, 4°44'S, 102°23'E, 0.0, h69km, mb2km, MW5.0/58, Moment Tensor Solution, s40,c53; s58,c81; Duration: 0 Moment tensor: Scale 1019Nm; Mr2,70.16; Mw=1.91±.15; Mw=0.79±.18; Ms=1.03±.10; Ms=2.40±.12; Mw=0.53±.12; Best double couple: M3.46300x10^16 NP1,q=122.00000°, s55.00000°, lambda2.00000°. NP2:





4d 5h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KKAR, DGZ, HIA, MOY, TLY, SEM, KURK, GEYT, KLR, BRZS, ZALV, ZEA, BVA0, BRVK, BRV, KUR, DZM, AB31, AKBAR, TYV, TYV, TYV, TYV, KMB0, KMB, NKL, AKTO, MAW, GNI, YAK, GROG, TBLG, SVE, ARU, ARU, ARU, ARU, ZEI.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NCK, DAGI, DBAD, DBOC, NEY, KBZ, RPZ, KIV, KIV, KIV, GOF, PETK, PETK, SOC, LSZ, PET, PET, MA2, MA2, NRK, NRK, NRK, BKZ, URZ, VRH, BR131, BR131, BR131, BOS, BOS, BOS, SEY, VSR, ANTO, ANTO, ANTO, LPSR, SIM, PRGR, VNSA, VNSA, VNSA, VNSA, MOS, MOS, MOS, OB, YLV, SBA, SBA, SBA, KLMR, KLMR, KLMR, CFR, EZN, ALN, AKAS, AKAB, KIEV, KIEV, KIEV, KIEV, AK11, TMCR, VRI, PLOR, TESR, MLR, MLR, MLR, MLR, BIZ, PRAR, DOPR, VOIR, BILL, BILL, BILL, BILL, BILL.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BILL, BURAR, BUR08, VTS, VTS, VTS, LIT, LIT, GZR, DRGR, VSU, VSU, VSU, MDVR, TRPA, KWP, KWP, BZS, UZH, SUW, SUW, SUW, FIA1, FINE, NIE, NIE, PSZ, PBUR, PBUR, SLIT, SLIT, OJC, OJC, OJC, LANS, LANS, VYHS, VYHS, VYHS, TIP, ARCES, ARCES, MATE, OKC, OKC, BLY, BLY, JAVC, MORC, MORC, MORC, MORC, MODS, MODS, MODS, KOGS, KRLC, KRLC, KRLC, SNA, SNA, SNA, DPC, DPC, KSP, KSP, GROS, UPC, UPC, ARSA, TREC, TREC, SOKA, PRU, PRU, PVCC, PVCC, BRG, BRG, BRG, GERES, GERES, CLL, CLL, NB2, NOA, NOA, KEST, TORD, ILAR, DLBC, YKA, YKA, A04D, D03D, B05A, E04D, G03D, I02D, J01E, H04D, F05D, I03D, I02D, K02A, L02E, HAWA, HUMO, I05D, NEW, NEW, NEW, J04D.

LOAD	Klamath Falls	125.13	40	P	PKPdf	05 48 02.4	0.0
J05D	Fort Rock, OR	125.24	38	P	PKIKP	05 48 03.2	+0.2
K04D	Chiloquin, OR	125.27	39	P	PKIKP	05 48 03.7	+0.6
M04C	Macdoel	125.65	40	P	PKIKP	05 48 04.2	+0.3
O02D	Mt. Diablo Mer	125.83	42	P	PKIKP	05 48 04.7	+0.5
FFC	Flin Flon	125.94	17	ePKPdf	PKPdf	05 48 02.9	-0.5
FFC	Flin Flon	125.94	17	ePKIKP	PKPdf	05 48 02.9	-0.5
O03E	Paynes Creek	126.43	42	P	PKIKP	05 48 05.6	+0.2
MOD	Modoc Plateau	126.56	39	ePKPdf	PKIKP	05 48 05.6	-0.1
MSO	Missoula	127.22	31	P	PKPdf	05 48 05.9	-0.4
EGMT	Eagleton	128.40	27	ePKPdf	PKPdf	05 48 08.6	+0.2
EGMT	Eagleton	128.40	27	P	PKPdf	05 48 08.4	0.0
HLID	Hailey	129.10	34	ePKPdf	PKIKP	05 48 10.8	+0.1
HLID	Hailey	129.10	34	P	PKIKP	05 48 10.5	-0.3
BOZ	Bozeman (W)	129.23	31	ePKPdf	PKPdf	05 48 10.3	+0.1
BOZ	Bozeman (W)	129.23	31	ePKIKP	PKPdf	05 48 10.3	+0.1
BOZ	Bozeman (W)	129.23	31	P	PKPdf	05 48 10.2	0.0
NVAR	Mina Array Bea	129.72	42	PKP	PKIKP	05 48 12.1	-0.1
NVAR	comp=2.1,6nm,0.6s,baz=277,slow=2.6,SNR=14				SKPbc	05 51 27.5	+0.1
CWC	Cottonwood Cre	130.91	44	P	PKPdf	05 48 13.7	0.0
LAO	LASA Array	130.99	26	ePKPdf	PKIKP	05 48 14.2	-0.1
MPMC	Manual Prospec	131.51	44	P	PKIKP	05 48 16.0	+0.1
R11A	Troy Canyon, C	131.54	40	P	PKIKP	05 48 15.8	-0.1
ULM	Lac du Bonnet	131.64	16	PKP	PKPdf	05 48 14.2	-0.2
ULM	comp=2.3,6nm,0.6s,baz=98,slow=0.2,SNR=12				SKPbc	05 51 32.3	-2.0
EDW2	Edwards Air Fo	131.75	46	5	PKIKP	05 48 15.8	-0.5
TPNV	Topopah Spring	131.88	42	P	PKPdf	05 48 15.5	0.0
DUG	Dugway, Toeel	132.16	37	ePKPdf	PKIKP	05 48 16.5	-0.5
DUG	Dugway, Toeel	132.16	37	ePKIKP	PKIKP	05 48 16.5	-0.5
DUG	Dugway, Toeel	132.16	37	P	PKIKP	05 48 16.5	-0.5
PDAR	Pinedale Array	132.27	32	PKP	PKPdf	05 48 16.1	0.0
PDAR	comp=2.0,9nm,0.5s,baz=83,slow=1.0,SNR=8.8				SKPbc	05 51 37.2	+0.1
GSC	Goldstone, Bar	132.38	44	P	PKPdf	05 48 16.7	+0.3
BBRC	Big Bear Solar	132.83	46	P	PKIKP	05 48 18.2	-0.4
TUQ	Turquoise Moun	132.92	40	P	PKPdf	05 48 17.8	+0.3
HEC	Hector Ludlow	132.95	45	P	PKIKP	05 48 18.2	-0.4
AGMN	Agassiz Nation	133.41	17	P	PKIKP	05 48 18.8	-0.2
GMRC	Granite Mounta	133.45	44	P	PKIKP	05 48 19.9	+0.1
PFO	Pinyon Flats O	133.49	46	P	PKIKP	05 48 19.3	-0.5
BELC	Belle Mtn. Jos	133.62	46	P	PKIKP	05 48 20.1	0.0
MONP2	Monument Peak	133.87	47	P	PKIKP	05 48 20.3	-0.5
K22A	Casper	133.91	30	P	PKPdf	05 48 19.5	+0.4
RSSD	Black Hills	133.95	27	P	PKPdf	05 48 19.1	-0.2
IRM	Iron Mountain	134.14	45	P	PKIKP	05 48 20.5	-0.5
BC3	Big Chucawall	134.19	46	P	PKIKP	05 48 20.6	-0.6
PLCA	Paso Flores	134.76	187	PKP	PKPdf	05 48 21.1	+0.3
PDMC	Parker Dam,Lak	134.76	44	P	PKPdf	05 48 21.4	+0.6
Y12C	Blythe	134.80	45	P	PKIKP	05 48 22.1	-0.2
O20A	White River Cj	134.82	33	P	PKPdf	05 48 21.7	+0.7
GLA	Glamis	134.95	46	P	PKPdf	05 48 21.8	+0.6
LSQQ	Lebel-sur-Quev	135.37	359	P	PKIKP	05 48 22.5	-0.5
C40Q	Isle Royale Na	135.38	11	P	PKPdf	05 48 22.2	+0.2
N23A	Red Feather La	135.50	31	P	PKPdf	05 48 22.5	+0.2
SUSD	Miller	135.77	22	P	PKPdf	05 48 23.0	+0.6
WUAZ	Wupatki	135.93	41	P	PKPdf	05 48 23.6	+0.4
D41A	Chassel	136.32	11	P	PKIKP	05 48 24.2	-0.8
ISCO	Idaho Springs	136.47	32	P	PKPdf	05 48 24.2	-0.1
E39A	Mellen	136.56	13	P	PKPdf	05 48 24.4	+0.6
F38A	Pierce - Schro	136.63	15	P	PKPdf	05 48 24.7	+0.8
E40A	Wakefield	136.64	12	P	PKIKP	05 48 25.3	-0.4
MVCO	Mesa Verde	136.66	37	P	PKIKP	05 48 25.6	-0.7
F37A	Hinrichs Farm,	136.66	15	P	PKPdf	05 48 24.8	+0.9
E41A	Kenton	136.81	12	P	PKIKP	05 48 26.4	+0.3
F39A	Loretta	136.91	14	P	PKPdf	05 48 24.9	+0.5
E42A	Champion	137.04	11	P	PKPdf	05 48 25.3	+0.6
F40A	Park Falls	137.09	13	P	PKPdf	05 48 25.7	+0.9
D48A	Paudash Townsh	137.10	4	P	PKIKP	05 48 25.7	-0.9
D47A	Chapleau	137.10	6	P	PKPdf	05 48 25.6	+0.8
D46A	Sault St. Mari	137.17	7	P	PKPdf	05 48 25.3	+0.4
ECSD	EROS Data Cent	137.23	20	P	PKPdf	05 48 25.6	+0.4
S22A	4UR Ranch, Cre	137.27	35	P	PKPdf	05 48 25.6	-0.4
G38A	Ridgeland	137.38	15	P	PKPdf	05 48 25.9	+0.6
G39A	Holcombe	137.44	14	P	PKPdf	05 48 25.8	+0.4
F41A	Three Lakes	137.48	12	P	PKIKP	05 48 26.7	-0.7
F42A	Maple Grove Fa	137.65	11	P	PKPdf	05 48 26.6	+0.8
G40A	Rib Lake	137.69	13	P	PKPdf	05 48 26.8	+0.9
H38A	Maiden Rock	137.72	16	P	PKPdf	05 48 26.4	+0.5
SDCO	Great Sand Dun	138.01	34	P	PKPdf	05 48 28.1	+1.0
F46A	Macinaw City C	138.18	8	P	PKIKP	05 48 28.3	-0.6
H40A	Chili	138.25	14	P	PKPdf	05 48 28.0	+1.0
F48A	Evansville	138.37	5	P	PKIKP	05 48 28.4	-0.8
H41A	Junction City	138.43	13	P	PKPdf	05 48 28.3	+1.0
KSCO	Kaye Shedlock	138.59	30	P	PKPdf	05 48 28.8	+0.9
G46A	Potosky	138.61	8	P	PKIKP	05 48 28.7	-1.0
BGNE	Belgrade	138.66	24	P	PKPdf	05 48 27.9	+0.1
I39A	Houston	138.69	15	P	PKPdf	05 48 28.3	+0.6
I42A	Draefer Farm,	139.28	13	P	PKPdf	05 48 29.3	+0.4
J40A	Soldiers Grove	139.32	15	P	PKPdf	05 48 29.3	+0.4
H46A	Fife Lake	139.33	8	P	PKIKP	05 48 29.0	-0.4

TASM	ASL Pad, Albuq	139.40	38	P	PKPdf	05 48 29.6	-0.1
TASM	ASL Pad, Albuq	139.40	38	P	PKPdf	05 48 29.9	+0.3
ANMO	Albuquerque	139.40	38c	ePKIKP	PKIKP	05 48 31.8	-0.1
ANMO	comp=2.4,0nm,0.8s				pmax		
ANMO	Albuquerque	139.40	38	P	PKPdf	05 48 28.5	-1.1
H47A	Alto	139.41	7	P	PKPdf	05 48 29.9	+0.9
K39A	Delwien	139.65	16	P	PKPdf	05 48 28.6	-1.0
N41A	Colonus Grove	143.02	8	P	PKPbc	05 48 31.8	-0.7
Q19A	Truxton	143.30	18	P	PKPab	05 48 32.7	+0.5
N50A	Nevada	143.31	7	P	PKPbc	05 48 33.0	-0.3
O47A	Sheridan	143.35	11	P	PKPbc	05 48 33.7	+0.2
N52A	McGinn's Farm,	143.43	5	P	PKPbc	05 48 33.5	-0.1
O48A	Farmland	143.52	10	P	PKPab	05 48 33.4	+0.4
Q42A	Golden Eagle	143.55	17	P	PKPbc	05 48 33.7	-0.4
P44A	Sand Creek, Wi	143.55	15	P	PKPbc	05 48 34.5	+0.4
P45A	Graceland, Par	143.70	13	P	PKPbc	05 48 34.3	-0.2
Q46A	Rosedale	143.74	13	P	PKPab	05 48 34.2	+0.4
P43A	New Douglas	143.76	16	P	PKPab	05 48 33.7	-0.2
CPUP	Villa Florida	143.83	212	PKP	PKPbc	05 48 36.4	+1.1
CPUP	comp=2.0,9nm,0.9s,baz=146,slow=3.8,SNR=10.0				SKPbc		
WMOK	Wichita Mounta	143.84	30	P	PKPab	05 48 34.3	-0.1
ACSO	Rosebud	143.85	19	P	PKPab	05 48 34.1	-0.2
R41A	Alum Creek Sta	143.86	7	P	PKPab	05 48 34.4	+0.1
O50A	Cable	143.86	8	P	PKPab	05 48 34.3	0.0
Q44A	Miley Farm, Va	143.98	15	P	PKPab	05 48 34.1	-0.7
O51A	Pataksala	143.99	7	P	PKPab	05 48 34.9	+0.1
O53A	New Philadelphia	144.03	5	P	PKPab	05 48 34.1	-0.8
R42A	Luebbering	144.05	18	P	PKPab	05 48 34.4	-0.6
P47A	Martinsville	144.06	12	P	PKPab	05 48 34.5	-0.5
O52A	Adamsville	144.10	6	P	PKPab	05 48 34.4	-0.8
CCM	Cathedral Cave	144.12	19	P	PKPab	05 48 34.3	-1.0
O56A	Blue Knob Stat	144.15	1	P	PKPab	05 48 34.8	-0.6
O54A	Avella	144.16	4	P	PKPab	05 48 34.9	-0.5
Q45A	Warren Harvey,	144.21	14	P	PKPab	05 48 35.3	-0.4
P48A	Milroy	144.25	10	P	PKPab	05 48 35.1	-0.7
TUL1	Leeward	144.26	10	P	PKPab	05 48 35.8	-0.3
P49A	Miami Univ. Ec	144.30	10	P	PKPab	05 48 34.8	-1.1
P50A	Jamestown	144.37	8	P	PKPab	05 48 35.4	-0.8
S41A	Jillico Farms,	144.38	20	P	PKPab	05 48 35.7	-0.7
S42A	Caledonia	144.52	18	P	PKPab	05 48 36.1	-0.8
P52A	Corning	144.55	6	P	PKPab	05 48 35.8	-1.1
Q47A	Bedord North L	144.56	12	P	PKPab	05 48 36.5	-0.5
R44A	Waltoville	144.58	16	P	PKPab	05 48 36.4	-0.7
P51A	Williamsport	144.59	7	P	PKPab	05 48 36.0	-1.0
Q48A	Wet Vernon	144.71	3	P	PKPab	05 48 36.6	-0.9
MCVW	Mont Chateau	144.71	3	P	PKPab	05 48 36.9	-0.6
BDFB	Brasilia	144.71	235	PKP	PKPdf	05 48 39.8	+0.4
BDFB	comp=2.2,2nm,0.4s,baz=125,slow=3.1,SNR=22				SKPbc		
P54A	Burton	144.73	4	P	PKPab	05 48 37.1	-0.5
R45A	Skylar, Fairri	144.75	15	P	PKPab	05 48 37.0	-0.6
P55A	Whipple	144.77	5	P	PKPab	05 48 36.8	-0.9
Q49A	Aurora	144.78	10	P	PKPab	05 48 37.0	-0.8
P55A	Reedsville	144.86	3	P	PKPab	05 48 37.2	-0.9
TXAR	Lajitas Array	144.87	42	PKP	PKPdf	05 48 39.0	-0.3
TXAR	comp=2.2,3nm						

Table with columns: Y49d, blout, Mountain, 149.42, 15 P, PKPbc, 05 48 50.5 -0.7, CESI, S, S, Sb, 05 40 05.9 -0.8, etc.

Table with columns: CESI, S, S, Sb, 05 40 05.9 -0.8, etc.

KRSC 04 05:40:40.0±10.0,55°28'N,166°75'E,h34km,10km,ML4.3, Komandorsky Islands region

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

ISCJB 04 05:45:29.6±0.5,41°44'N,0°02:43:97E±0°03,h0km,5km, Error ellipse: s-maj=3.8km s-min=3.5km az=162.6

DDA 04 05:45:29.6,41°43'N,43:93E,h7km,2km,ML2.7

ISK 04 05:45:29.5,41°43'N,43:96E,h13km,ML2.4/4

TIF 04 05:45:29.8,41°40'N,44:00E,h13km,3km

NORS 04 05:45:30.8±0.0,41°47'N,44:08E,h18km

ISC 04 05:45:29.8±1.0,41°41'N,0°02:44:01E±0°02,h11km,10km, n30,±0:72/51,Western Caucasus

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

ISC 04 05:50:51.4±9.8,31°21'S,177°20'W,h0km,mb3.6/2, mb1 3.8/2,mb1mx3.6/29,mbtmp3.6/2,Error ellipse: s-maj=438.2km s-min=61.6km az=157.0,Kermadec Islands region

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

SFS 04 06:17:01.0,37°87'N:1°75'W,ML1.5,LORCA (MURCIA)

MDD 04 06:17:01.8±0.5,37°84'N,1°77'W,h0km,mbL1.3/4, Error ellipse: s-maj=5.0km s-min=3.6km az=28.0,PRXIMO, Spain

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

MDD 04 06:17:16.0±0.5,37°85'N:1°76'W,h0km,mbL1.5/6, Error ellipse: s-maj=4.9km s-min=3.3km az=23.0,PRXIMO, Spain

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

ISCJB 04 06:31:29.9±0.2,36°42'N,0°17:11E±0°01,h229km,1km, mb5.3/360, Error ellipse: s-maj=2.0km s-min=1.6km az=22.8

BUI 04 06:31:30.3,36°53'N:71°10'E,h230km,mb5.4/70,mb5.0/39

MOS 04 06:31:30.4±0.9,36°47'N:71°17'E,h234km,mb5.5/74, Error ellipse: s-maj=1.1km s-min=0.9km az=101.6

NEIC 04 06:31:32.0±1.5,36°40'N:71°11'E,h240km,2km,mb5.4/259, MW5.3, Error ellipse: s-maj=10.3km s-min=9.0km az=212.0, Moment Tensor Solution. s49 Moment tensor: Scale 10^17Nm; Mr:1.10; Ms:0.74; M0:0.36; Mo:0.23; Mw:0.39; Mu:0.61; Best double couple: Mo:1.20000x10^17 Np1:0.25000000,δ33.000000,λ115.000000. NP2: φ=41.00000°,δ60.00000°,λ75.00000°. Principal axes: T 1.3300,Plg71.0000°,Az=277.0000°; N -0.2100,Plg13.0000°,Az=49.0000°; P -1.1100,Plg14.0000°,Az=142.0000°

NEIC Feit [III] at Kabul. Also felt at Baghlan and Jalalabad. Felt [III] at Islamabad, Pakistan. Also felt at Muzaffarabad and Peshawar.

GCMT 04 06:31:32.0±0.1,36°40'N,0°17:09E±0°01,h241km, MW5.4/122, Moment Tensor Solution. s96,c146; s122,c2r18; Duration: 1s2 Moment tensor: Scale 10^17 Nm; Mr:1.22±0.02; Ms:0.100±0.02; M0:0.21±0.02; Mw:0.28±0.02; Mu:0.57±0.02; Mo:0.98±0.02; Best double couple: Mo:1.61100x10^17 Np1:0.38000000,δ64.000000,λ129.000000. NP2:0.26200000,δ34.000000,λ129.000000. Principal axes: T 1.7160,Plg63.0000°,Az=270.0000°; N -0.2060,Plg21.0000°,Az=48.0000°; P -1.5050,Plg18.0000°,Az=145.0000°; Azm145.0000°. nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

IDC 04 06:31:33.2±0.3,36°44'N:71°16'E,h249km,2km,mb5.0/46, mb1 5.0/53,mb1mx5.0/54,mbtmp5.6/53 Error ellipse: s-maj=6.5km s-min=5.1km az=175.0

MNC 04 06:31:33.1±2.9,36°71'N:70°89'E,h218km,27km,mb5.1, mpv6.5, Error ellipse: s-maj=28.7km s-min=16.3km az=167.0

ISC 04 06:31:31.7±0.2,36°40'N,0°03:71:14E±0°02,h239km,1km, h239km:pp-P,n1409,±i970/1761,mb5.4/386,180C-51D, Afghanistan-Tajikistan border region

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

ROM 04 05:39:53.8±0.1,42°38'N,0°00:33:13'281E±0°00'6, n9km,ML1.2/3, Error ellipse: s-maj=0.6km s-min=0.1km az=74.0,Central Italy

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

CHM Chinkent 6.03 349c;PN Pn 06 32 57.2 -2.7

CHM Chinkent 6.03 349f;P Pn 06 32 57.2 -2.7

CHM comp=N,107um,1.4s 6.03 356 ePN Pn 06 32 57.1 -2.9

JBG Jabagly 6.03 356 ePN Pn 06 34 05.8 -4.8

DZA Taraz 6.49 1 ePN Pn 06 33 03.3 -2.3

DZA Taraz 6.49 1 ePN Pn 06 34 14.9 -5.9

DZA Taraz 6.49 1 ePN Pn 06 33 03.4 -2.3

DZA Taraz 6.49 1 ePN Pn 06 33 14.1 -6.7

KZA Kyzart 6.50 28 P Pn 06 33 05.6 -1.2

EKS2 6.58 17 P Pn 06 33 06.5 -0.4

BRLS Boroday 6.70 352;I P Pn 06 34 03.2 -5.1

BRLS Karatay Array 6.71 356 ePN Pn 06 34 19.2 -0.7









4d 6h

Table with columns for station call letters, name, frequency, and various signal quality indicators (e.g., S/N, SNR, SNR=14, etc.). Includes stations like Kasperke Hory, Javornik, Hagfors, Terra Mystica, Tromsø, etc.

Table with columns for station call letters, name, frequency, and various signal quality indicators. Includes stations like NC204 Norsars Array S, KS01 Wonju Array Si, KS15 Wonju Array Si, etc.

Table with columns for station call letters, name, frequency, and various signal quality indicators. Includes stations like WLF Gornny, DSRI Dabo, BCLA Clavier, etc.

MONM	Monmouth	53.00 312	eP	P	06 40 23.1	-0.6
MONM	comp=Z,269nm,1.1s		Iamb	Iamb	06 40 24.3	
PGBU	Glenfierbraes	53.07 317	eP	P	06 40 24.4	+0.2
PGBU	comp=Z,185nm,1.0s		Iamb	Iamb	06 40 25.2	
MCH1	Michaelchurch	53.08 312	eP	P	06 40 23.8	-0.5
MCH1	comp=Z,278nm,0.9s		Iamb	Iamb	06 40 24.9	
KAC	Achnashellach	53.17 319	iP	P	06 40 24.8	-0.1
LLW	Llanuwchllyn	53.27 313	eP	P	06 40 25.4	+0.3
JSA	Saint Aubin	53.28 308	eP	P	06 40 24.6	-1.2
JSA	comp=Z,60nm,0.8s		Iamb	Iamb	06 40 25.5	
KPL	Plockton	53.39 319	eP	P	06 40 25.9	-0.6
KPL	comp=Z,230nm,1.1s		Iamb	Iamb	06 40 27.4	
GAL1	Galloway	53.41 316	eP	P	06 40 26.6	-0.1
GAL1	comp=Z,89nm,1.2s		Iamb	Iamb	06 40 27.6	
IOMK	Kirk Michael	53.46 315	eP	P	06 40 27.1	+0.1
IOMK	comp=Z,632nm,1.2s		Iamb	Iamb	06 40 28.2	
LAWE	Loch Awe, Argy	53.48 318	eP	P	06 40 27.2	0.0
LAWE	comp=Z,241nm,1.1s		Iamb	Iamb	06 40 28.3	
YLL	Llanberis	53.50 314	iP	P	06 40 27.0	-0.3
WFS	Cemaes, Angles	53.63 314	eP	P	06 40 28.3	+0.1
WFS	comp=Z,195nm,1.5s		Iamb	Iamb	06 40 29.1	
YRC	Rhoscolyn	53.71 314	iP	P	06 40 28.9	0.0
RSBS	Rosebush, Pemb	54.14 312	eP	P	06 40 31.0	-1.0
RSBS	comp=Z,136nm,1.7s		Iamb	Iamb	06 40 32.5	
CLGH	Cloghs, Cuthen	54.14 316	eP	P	06 40 32.0	+0.1
CLGH	comp=Z,103nm,1.0s		Iamb	Iamb	06 40 33.0	
HTL	Hariland	54.23 311	eP	P	06 40 32.3	-0.3
HTL	comp=Z,71nm,0.8s		Iamb	Iamb	06 40 33.2	
GMM	Mts of Mourne	54.26 315	eP	P	06 40 33.0	+0.2
DSB	Dublin	54.76 314	iP	P	06 40 36.2	-0.2
DAG	Danmarks Havn	54.86 344	iP	P	06 40 37.6	+0.8
DAG	comp=Z,39nm,1.0s		Iamb	Iamb	06 41 31.1	
DAG	Danmarks Havn	54.86 344	iP	P	06 40 37.6	+0.8
DAG	comp=Z,39nm,1.0s		Iamb	Iamb	06 41 31.2	
CCAI	Carmenellis	54.91 310	eP	P	06 40 36.9	-0.6
CCAI	comp=Z,162nm,0.9s		Iamb	Iamb	06 40 38.0	
IDGL	Inch Island, C	54.92 316	iP	P	06 40 37.9	+0.4
IDGL	comp=Z,250nm,1.1s		Iamb	Iamb	06 40 39.2	
IDGL	Inch Island, C	54.92 316	eP	P	06 40 37.8	+0.2
IDGL	comp=Z,250nm,1.1s		Iamb	Iamb	06 40 39.2	
KPJ1	Karang Purung	56.12 133	P	P	06 40 46.8	+0.3
IGLA	Glangowla, Co	56.43 315	P	P	06 40 48.3	0.0
KUR	Kuril'sk	56.70 55c	eP	P	06 40 51.4	+1.1
SESP	Santiago Espad	57.18 296	P	P	06 40 54.0	0.0
SCO	Scorebysund	57.19 336	eP	P	06 40 54.7	+1.4
SCO	comp=Z,45nm,1.1s		Iamb	Iamb	06 40 54.9	+1.6
SCO	Scorebysund	57.19 336	iP	P	06 40 54.9	+1.6
SCO	comp=Z,45nm,1.1s		pmax	pmax	06 40 54.9	+1.6
VAL	Valentia	57.40 313	iP	P	06 40 55.3	+0.3
ES06	SONSECA Array	57.59 298	eP	P	06 40 56.2	-0.5
ESDC	Sonsec Array	57.60 298	eP	P	06 40 56.6	-0.2
ESDC	comp=Z,36nm,0.9s,baz=60,slo=7.3,SNR=93				06 41 53.1	+2.8
ESDC	comp=Z,5.7nm,0.6s,baz=58,slo=7.3,SNR=3.4				06 40 55.3	-0.3
ESLA	Sonsec Array	57.60 298	eP	P	06 40 56.5	-0.3
MPS1	Maspaga	57.63 117	P	P	06 40 59.0	+1.8
TAM	Tamarrasset	57.66 276	eP	P	06 40 57.0	-0.5
TAM	comp=Z,59nm,1.2s		pmax	pmax	06 40 57.0	-0.5
TAM	Tamarrasset	57.66 276	eP	P	06 40 57.0	-0.5
TAM	comp=Z,59nm,1.2s		pmax	pmax	06 40 57.0	-0.5
MRIV	Mauritius Mete	57.85 195	eP	P	06 40 59.3	+0.8
PAB	San Pablo	57.93 298	eP	P	06 40 58.4	-0.7
PAB	comp=Z,62nm,1.3s		pmax	pmax	06 40 58.4	-0.7
PAB	San Pablo	57.93 298	eP	P	06 40 58.4	-0.7
PAB	comp=Z,111nm,1.3s		pmax	pmax	06 40 58.4	-0.7
BILL	Bilibino	58.65 26	eP	P	06 41 04.7	+1.2
BILL	comp=Z,60nm,0.5s		Iamb	Iamb	06 41 04.6	+1.2
BILL	Bilibino	58.65 26	iP	P	06 41 04.6	+1.2
BILL	comp=Z,60nm,0.5s		ePP	ePP	06 41 04.6	+1.2
BILL	Bilibino	58.65 26	eP	P	06 41 04.6	+1.2
BILL	comp=Z,60nm,0.5s		eS	eS	06 41 04.6	+1.2
BILL	Bilibino	58.65 26	eP	P	06 41 04.6	+1.2
BILL	comp=Z,60nm,0.5s		pmax	pmax	06 41 04.6	+1.2
FIGM	Figuig	58.69 289	P	P	06 41 04.0	-0.5
JBK	JBK	58.73 292	P	P	06 41 05.1	+0.3
PBRG	Braganca	58.73 301	eP	P	06 41 04.5	-0.1
BORG	Borgas	58.75 330	eP	P	06 41 04.5	+0.3
BORG	comp=Z,90nm,1.6s		Iamb	Iamb	06 41 04.5	+0.3
BORG	Borgas	58.75 330	iP	P	06 41 04.5	+0.3
MRS1	Marisa	59.02 115	P	P	06 41 07.1	+2.9
RER	Riviere de l'E	59.07 197	eP	P	06 41 07.5	+0.7
RER	comp=Z,220nm,0.8s		pmax	pmax	06 41 08.2	+1.2
MVO	Moncorvo	59.18 301	eP	P	06 41 08.0	+0.3
MVO	comp=Z,95nm,1.3s		Iamb	Iamb	06 41 08.0	+0.3
HORN	Hornachuelos	59.26 296	eP	P	06 41 08.4	+0.2
ABPO	Ambohimpanon	59.57 206	eP	P	06 41 11.9	+1.3
ABPO	comp=Z,157nm,1.2s		pmax	pmax	06 41 11.9	+1.3
ABPO	Ambohimpanon	59.57 206	eP	P	06 41 11.9	+1.3
ABPO	comp=Z,157nm,1.2s		pmax	pmax	06 41 11.9	+1.3
PVRL	Vila Real	59.61 301	eP	P	06 41 11.1	+0.5
POLO	Lamas de Olo	59.63 301	eP	P	06 41 10.9	+0.1
PGAV	Gaviera, Arco	59.72 302	eP	P	06 41 11.8	+0.4
APSI	Ampana	59.75 117	P	P	06 41 12.7	+0.9
MTE	Manteigas	59.84 300	eP	P	06 41 12.8	+0.6
MTE	comp=Z,214nm,1.3s		Iamb	Iamb	06 41 12.3	+0.2
SKR	Severo-Kuril's	59.95 47	eP	P	06 41 29.0	+1.6
SKR	comp=Z,157nm,1.6s		ePP	ePP	06 42 23.3	-1.1
SKR	Severo-Kuril's	59.95 47	eP	P	06 42 23.3	-1.1
SKR	comp=Z,157nm,1.6s		eSS	eSS	06 53 07.3	+1.8
SKR	Severo-Kuril's	59.95 47	eP	P	06 53 07.3	+1.8
SKR	comp=Z,157nm,1.6s		eSS	eSS	06 55 54.2	
SKR	Severo-Kuril's	59.95 47	eP	P	06 55 54.2	
SKR	comp=Z,157nm,1.6s		MLR	MLR	06 55 54.2	
SKR	Severo-Kuril's	59.95 47	eP	P	06 55 54.2	
SKR	comp=Z,157nm,1.6s		MLR	MLR	06 55 54.2	
SKR	Severo-Kuril's	59.95 47	eP	P	06 55 54.2	

SUMG	Summit	61.19 341	iP	P	06 42 19.9	
SUMG	comp=Z,500nm,1.0s		pmax	pmax	06 42 19.9	
SUMG	Summit	61.19 341	iP	P	06 42 19.9	
SUMG	comp=Z,500nm,1.0s		pmax	pmax	06 42 19.9	
KAPI	Kappang	61.31 122	eP	P	06 41 21.6	-0.7
KAPI	comp=Z,269nm,1.1s		ePP	ePP	06 42 15.4	-2.0
KAPI	Kappang	61.31 122	eP	P	06 41 21.6	-0.7
KAPI	comp=Z,269nm,1.1s		ePP	ePP	06 42 15.4	-2.0
PCVE	Castro Verde	61.35 297	eP	P	06 41 23.0	+0.7
PBDV	Barranco do Ve	61.44 297	eP	P	06 41 23.4	+0.5
PBDV	comp=Z,240nm,1.5s		Iamb	Iamb	06 41 23.4	+0.5
PNCL	Nicolau J, Gran	61.49 298	eP	P	06 41 23.9	+0.7
PNCL	comp=Z,148nm,1.7s		Iamb	Iamb	06 41 25.2	+0.8
PMAFR	Maifra	61.66 299	eP	P	06 41 23.2	+0.8
PMAFR	comp=Z,269nm,1.4s		Iamb	Iamb	06 41 26.0	+1.2
GOLM	Goulmina	61.69 290	P	P	06 41 25.4	0.0
BKSI	Bulukumba	61.78 122	P	P	06 41 31.0	0.0
BKSI	Bau Bau, Buton	62.63 122	eP	P	06 41 33.4	+0.9
BKSI	comp=Z,269nm,1.4s		eP	eP	06 42 27.8	-0.3
TNTI	Ternate	62.85 111	eP	P	06 41 33.0	+0.5
TNTI	Ternate	62.85 111	eP	P	06 41 33.0	+0.5
TNTI	Ternate	62.85 111	eP	P	06 41 33.0	+0.5
TNTI	Ternate	62.85 111	eP	P	06 41 33.0	+0.5
SANO	Sanana	63.69 114	P	P	06 41 38.1	+0.1
SANO	Kullorsuaq	64.19 347	iP	P	06 41 41.0	+0.6
SANO	comp=Z,75nm,1.0s		pmax	pmax	06 41 41.0	+0.6
KULLO	Kullorsuaq	64.19 347	iP	P	06 41 41.0	+0.6
KULLO	comp=Z,75nm,1.0s		pmax	pmax	06 41 41.0	+0.6
ANGA	Ammassalik, Gr	64.55 334	eP	P	06 41 43.6	+0.8
ANGA	comp=Z,193nm,1.2s		Iamb	Iamb	06 41 43.1	+0.4
TULEG	Thule	64.55 350	eP	P	06 41 43.1	+0.4
TULEG	comp=Z,228nm,1.5s		Iamb	Iamb	06 41 47.0	+1.3
TTIG	Trine Tigouga,	64.87 290	eP	P	06 41 50.2	+0.7
TTIG	Lusaka	64.87 290	eP	P	06 41 50.2	+0.7
TTIG	comp=Z,202nm,1.0s		Iamb	Iamb	06 41 50.2	+0.7
LSZ	Lusaka	65.47 226	eP	P	06 41 50.2	+0.7
LSZ	comp=Z,202nm,1.0s		pmax	pmax	06 41 50.3	+0.8
LSZ	Lusaka	65.47 226	eP	P	06 41 50.3	+0.8
LSZ	comp=Z,202nm,1.0s		pmax	pmax	06 41 50.3	+0.8
TOAO	Torodi Ar. Sit	65.83 269	eP	P	06 41 48.5	-3.3
TOAO	comp=Z,193nm,1.2s		Iamb	Iamb	06 41 50.5	-1.4
TOAO	Torodi Ar. Sit	65.83 269	eP	P	06 41 50.4	-1.4
TOAO	comp=Z,193nm,1.2s		Iamb	Iamb	06 41 50.4	-1.4
TOA1	Torodi Ar. Sit	65.83 269	eP	P	06 41 49.2	-2.6
TOA1	comp=Z,193nm,1.2s		Iamb	Iamb	06 42 47.6	+0.2
TOA1	Torodi Ar. Sit	65.83 269	eP	P	06 42 47.6	+0.2
TOA1	comp=Z,193nm,1.2s		Iamb	Iamb	06 42 47.6	+0.2
TORD	Torodi Ar. Bea	65.83 269	eP	P	06 42 47.6	+0.2
TORD	comp=Z,30nm,0.5s,baz=35,slo=5.0,SNR=472				06 42 47.6	+0.2
TORD	Torodi Ar. Bea	65.83 269	eP	P	06 42 47.6	+0.2
TORD	comp=Z,30nm,0.5s,baz=35,slo=5.0,SNR=472				06 42 47.6	+0.2
ILULI	Iluilissat	66.53 341	eP	P	06 41 56.0	+0.6
ILULI	comp=Z,179nm,1.0s		Iamb	Iamb	06 41 56.3	+0.9
ILULI	Iluilissat	66.53 341	iP	P	06 41 56.3	+0.9
ILULI	comp=Z,179nm,1.0s		Iamb	Iamb	06 42 03.8	+0.1
BATI	Baumata	67.72 122	P	P	06 42 03.7	-0.7
SOEI	Soe	67.81 122	eP	P	06 42 03.7	-0.7
SOEI	comp=Z,251nm,1.2s		Iamb	Iamb	06 42 04.2	-0.1
SOEI	Soe	67.81 122	eP	P	06 42 04.3	+0.4
SFJD	Kangerlussuaq	67.89 339	iP	P	06 42 04.3	+0.4
SFJD	comp=Z,99nm,1.0s		Iamb	Iamb	06 42 04.3	+0.4
SFJD	Kangerlussuaq	67.89 339	iP	P	06 42 04.3	+0.4
SFJD	comp=Z,99nm,1.0s		Iamb	Iamb	06 42 04.3	+0.4
SFJD	Kangerlussuaq	67.89 339	iP	P	06 42 04.3	+0.4
SFJD	comp=Z,99nm,1.0s		pmax	pmax	06 42 04.3	+0.4
RDOG	Red Dog Mine	68.32 19	eP	P	06 42 06.9	+0.3
RDOG	comp=Z,103nm,1.3s		Iamb	Iamb	06 43 03.2	+0.5
RDOG	Red Dog Mine	68.32 19	eP	P	06 42 06.9	+0.3
RDOG	comp=Z,103nm,1.3s		pmax	pmax	06 42 06.9	+0.3
RDOG	Red Dog Mine	68.32 19	eP	P	06 42 06.9	+0.3
RDOG	comp=Z,103nm,1.3s		pmax	pmax	06 42 06.9	+0.3
GAMB	Gambell	68.55 25	eP	P	06 42 08.6	+0.6
GAMB	comp=Z,61nm,1.2s		Iamb	Iamb	06 42 10.0	+1.1
GAMB	Gambell	68.55 25	eP	P	06 42 08.6	+0.6
GAMB	comp=Z,61nm,1.2s		Iamb	Iamb	06 42 10.0	+1.1
GAMB						

4d 6h

Table with columns: Station ID, Name, Frequency, Power, Direction, and other parameters. Includes stations like Alice Springs, ASAR, AS31, etc.

2013 APR

Table with columns: Station ID, Name, Frequency, Power, Direction, and other parameters. Includes stations like NEW Newport, WLVO Wesleyville, etc.

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Table with columns: Station ID, Name, Frequency, Power, Direction, and other parameters. Includes stations like J47A Summer, J46A Howard City, etc.



4d 7h

Table with station names (MORH, NVLJ, BZS, VTS, CRES, CEY) and their respective coordinates and times.

ISCJB 04 07:02:24.3:0.4, 24.48N:0.02:122.46E:0.02, h71km, 5km, Error ellipse: s-maj=3.9km s-min=2.6km az=169.9

Main table of station data for the 4d 7h period, including station names, coordinates, and times.

2013 APR

Main table of station data for the 2013 APR period, including station names, coordinates, and times.

192

Main table of station data for the 192 period, including station names, coordinates, and times.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GTA, SONMI, KSRS, KSRM, CMAR, WMQ, MKAR, ASAJ, ZALV, KURBB, BVAR, KIRV, WRA, BRTR, ASAR, ILAR, NOA, YKA.

ISCJB 04 09:51:32.6:0.7, 24.89N:0.04:94.20E:0.06, h69km, 6km, mb3.2/5, Error ellipse: s-maj=9.2km s-min=5.9km az=26.5

NDI 04 09:51:34.6:2.4, 24.92N:94.17E, h48km, 13km, ML2.6

ISC 04 09:51:35.7:4.0, 24.12N:94.08E, h44km, 33km, mb3.0/5

ms1 3.2/6, mb1mx3.0/5, mbtmp3.3/6, MS2.8/1, M1.2/8/1, ms1mx2.4/13, Error ellipse: s-maj=57.6km s-min=17.9km az=64.0

ISC 04 09:51:33.0:1.0, 24.90N:0.04:94.25E:0.06, h63km, 8km, n19, c195/28, mb3.3/5, Myanmar-India border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like IMP, KOHI, SILR, MOKO, JORH, TEZP, SHL, ZIRO, GUWA, SAIH, BRDH, TAWA, TURI, CMAR, MKAR, SONM, WRA, ASAR, NOA.

BER 04 09:52:03.3:2.7, 77.19N:19.32E, h0km, 33km, Svalbard region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like HSPB, SPA0, HOPEN, KBS.

ISCJB 04 09:52:24.9:1.0, 67.76N:0.03:20.14E:0.1, h0km, Error ellipse: s-maj=7.1km s-min=4.1km az=167.9

HEL 04 09:52:25.0:4.0, 67.85N:19.94E, h0km, ML1.7, Explosion

ISC 04 09:52:25.8:1.6, 67.85N:0.04:20.10E:0.08, h0km, n12, c120/18, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like LANU, KIF, HEF, ERTU, KALU, TOF, SOF, RNF, KEV, KU6.

ASRS 04 09:59:16.3:53.61N:87.91E, M2.7, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

NCC 04 09:59:19.2:3.0, 53.50N:87.96E, h0km, mb3.5, mpv3.2, 8C-60, Error ellipse: s-maj=29.4km s-min=15.1km az=63.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZAAO, ZAAO, KURK, KURK, KURBB, KURBB, MK31, MK31, MAKZ, MAKZ, MAKZ.

DDA 04 10:06:59.0:39.88N:36.49E, h7km, 2km, ML2.5

ISK 04 10:06:59.5:39.78N:36.44E, h9km, ML2.3/6

ISCJB 04 10:07:00.4:0.7, 39.81N:0.04:36.52E:0.06, h3km, 8km, Error ellipse: s-maj=7.9km s-min=5.3km az=30.1

ISC 04 10:06:59.4:1.3, 39.82N:0.04:36.46E:0.03, h2km, 12km, n13, c094/21, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SVSK, CUSAR, TOKT, YOZ, SIRC, COAL, KYT, DARE, CDAG, DELI, DIKM, KIRS, YAYX.

NEIC 04 10:34:26.8:0.0, 16.81N:95.23W, h150km, MD4.0(MEX), Oaxaca

MEX 04 10:34:26.8:0.7, 16.81N:95.23W, h150km, 18km, MD4.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like HUIG, HUIG, VHO, VHO, VHO, PCIG, PCIG, PCIG, TLIG, SCIG.

ISCJB 04 10:39:19.1:0.4, 3.90N:0.03:97.07E:0.05, h137km, 3km, mb4.1/45, Error ellipse: s-maj=8.1km s-min=4.8km

IDC 04 10:39:19.5:1.1, 3.99N:97.13E, h123km, 10km, mb3.9/29, mb1.4/0/31, mb1mx3.9/49, mbtmp4.3/31, MS3.2/4, ms1 3.2/4, mb1mx2.8/44, Error ellipse: s-maj=16.2km s-min=9.2km az=52.0

NEIC 04 10:39:20.3:2.2, 3.92N:97.19E, h130km, 5km, mb4.4/13, Error ellipse: s-maj=11.0km s-min=9.9km az=82.0

DJA 04 10:39:21.5:0.3, 4.12N:2.97E, h112km, 3km, M4.4/9, mb4.4/9, mb5.0/2, MLV4.4/6, Mw(MB)4.3/2

ISC 04 10:39:20.4:0.6, 3.90N:0.04:97.12E:0.05, h131km, 4km, n103, c193/108, mb2.4/25, Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TPTI, LHMI, LHMI, LHMI, PSI, GSI, GSI, KULM, IPH, PKDT, TRTT, SKLT, BKNI, SISI, MDSI, SRAK, UTHA, CHAI, KSM, KHON, SUKH, UTTA, CM01, CM31, CMAR, LAMP, CHTO, CHTO, CMMT, PANO, NONG, PALK, PALK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PALK, SLVN, SHL, MPSI, BKSI, MRSI, HOBS2, HOBS3, HOBS1, XAN, XAN, SIJI, FITZ, NWAO, HO1W3, HO1W2, HO1W1, WSAR, KDJ, GAR, AAK, WRA, WR1, WRAB, WB2, KRSR, SONA0, SONM, MK01, MK31, MK32, MKAR, MKAR, ASAR, ASAR, ASO1, GEYT, GYA0B, MJAR, USRK, ZAAO, ZALV, ZALV, ZAA1, KLR, AKR, STKA, STKA, KMBO, KBZ, NRK, BR101, BR2, M2A, PETK, PETK, PEY1, AKASO, BOSA, FIAO, FINES, ARAO, ARCES, GERES, CLLE, CLL, SPITS, NOA, TORD, TOAR, IOLA, ULM, NV01, PDAR, TXAR, TXAR.

IDC 04 11:00:05.0:5.5, 52.55S:133.20E, h0km, mb3.5/1, mb1.3/7/3, mb1mx3.5/22, mbtmp3.5/3, ML3.5/2, Error ellipse: s-maj=328.3km s-min=30.9km az=76.0, Aru Islands region

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

MKAR Makanchi Array 68.57 325 P P 11 11 09.7 0.0

0.2nm, 0.3s, baz=106, slow=7.8, SNR=6.8

ISCJB 04 11:21:29.0, 0.5, 28.10N, 0.06, 140.0E, 0.1, h434km, mb3.9/15, Error ellipse: s-maj=13.9km s-min=7.0km

az=155.8

JMA 04 11:21:29.8, 0.1, 28.35N, 140.52E, h434km, Mb3.9/15, Error ellipse: s-maj=13.9km s-min=7.0km

IDC 04 11:21:29.1, 2.25, 28.11N, 139.86E, h423km, 2.6km, mb3.1/15, mb1 3.2/17, mb1mx3.0/2, mbtmp3.8/17, Error ellipse: s-maj=22.9km s-min=13.3km az=77.0

ISC 04 11:21:29.3, 0.7, 28.12N, 0.10, 140.0E, 0.1, h434km, n27, 0.159/31, mb3.2/15, Bonin Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

ISCJB 04 11:29:54.1, 1.3, 32.43S, 0.04, 71.93W, 0.08, h15km, 8km, mb3.9/3, MS2.9/1, Error ellipse: s-maj=11.7km s-min=6.3km az=66.2

GUC 04 11:29:55.6, 0.6, 32.31S, 71.53W, h23km, 9km, ML3.9

SJA 04 11:29:59.0, 0.8, 32.43S, 71.36W, h9km, 10km, ML3.6, MW4.2

IDC 04 11:30:00.6, 5.8, 32.61S, 71.76W, h64km, 43km, mb3.6/3, mb1 3.6/6, mb1mx3.4/35, mbtmp3.7/6, ML3.4/4, MS2.9/3, Ms1 2.9/3, ms1mx2.6/23, Error ellipse: s-maj=50.0km s-min=31.7km az=20.0

ISC 04 11:29:57.0, 2.0, 32.40S, 0.04, 71.6W, 0.1, h32km, 13km, n25, 0.1938/33, mb4.1/3, 1D, Near coast of central Chile

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

IDC 04 11:31:20.1, 1.6, 0.62S, 131.38E, h0km, mb3.3/2, mb1 3.5/3, mb1mx3.2/47, mbtmp3.3/3, ML3.3/1, Error ellipse: s-maj=11.2km s-min=9.6km az=107.0, Irian Jaya region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

SIUI comp=Z, 2um, 18.5s, baz=62, slow=86 LR LR 11 31 44.0

WRA Warrungu Arr 19.43 172 P P 11 35 46.5 -1.7

0.1nm, 0.3s, baz=353, slow=12, SNR=6.9

ASAR Alice Springs 23.05 174 P P 11 36 27.2 0.0

0.9nm, 0.7s, baz=352, slow=11, SNR=6.9

ASAR 0.3nm, 0.7s, baz=357, slow=34, SNR=3.5

MKAR Makanchi Array 63.76 325 P P 11 41 53.8 -0.1

0.2nm, 0.6s, baz=117, slow=9.9, SNR=1.8

IDC 04 11:38:34.0, 0.1, 1.31S, 127.00E, h0km, mb3.8/5, mb1 3.9/7, mb1mx3.6/45, mbtmp3.8/7, ML3.6/2, MS2.5/3, Ms1 2.6/3, ms1mx2.4/36, Error ellipse: s-maj=44.2km s-min=18.5km az=70.0

ISCJB 04 11:38:38.0, 0.5, 1.30S, 0.07, 127.20E, 0.05, h33km, mb3.8/5, MS2.2/1, Error ellipse: s-maj=9.5km s-min=6.5km az=11.7

DJA 04 11:38:38.3, 0.3, 1.5S, 127.7E, h10km, M3.7/4, MB5.4/1, MLV3.7/4, Mw(mb)4.9/1

ISC 04 11:38:39.5, 0.8, 1.32S, 0.07, 127.19E, 0.06, h35km, n15, 0.1913/14, mb3.9/5, Mahahera

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

SJA 04 11:41:01.4, 0.3, 34.93S, 72.35W, h66km, 11km, ML4.3, MW4.4

ISCJB 04 11:41:07.9, 0.5, 34.70S, 0.04, 71.87W, 0.06, h59km, 4km, mb4.2/16, MS3.4/1, Error ellipse: s-maj=9.1km s-min=6.4km az=19.3

IDC 04 11:41:07.9, 0.6, 34.66S, 71.57W, h43km, 5km, mb3.9/12, mb1 4.1/14, mb1mx1.0/27, mbtmp4.2/14, ML4.2/2, MS3.3/4, Ms1 3.3/4, ms1mx3.1/21, Error ellipse: s-maj=22.5km s-min=14.3km az=82.0

NEIC 04 11:41:08.0, 0.4, 34.55S, 71.95W, h60km, mb4.3/9, ML4.6(GUC), Alter GUC

NEIC FEL [V] at Curico, Molina and Rio Claro; [III] at Bucalemu, Hualane, Linares, Lolo, Longavi, Pelarco, Pencoche, Pichilemu, Placilla, Romeral, San Clemente, San Fernando, Talca and Villa Alegre; [II] at Constitucion, Duao, Iloca, Maule, Rancaagua and Sagrada Familia.

GUC 04 11:41:08.0, 0.6, 34.55S, 71.95W, h60km, 4km, ML4.6

ISC 04 11:41:08.1, 0.5, 34.64S, 0.04, 71.85W, 0.06, h47km, 4km, h47km, nP, n74, 0.1999/88, mb4.3/15, 4C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

SNAA Sanae 50.93 158 eP P 11 50 04.3 0.0

comp=Z, 2.6nm, 0.9s

QSPA South Pole Quis 55.59 180 P P 11 50 39.7 +0.9

comp=Z, 2.1nm, 0.8s, baz=165, slow=1.6, SNR=6.5

QSPA comp=Z, 5.2nm, 0.9s, baz=152, slow=4.6, SNR=4.9

SYO Syowa Base 65.21 158f eP P 11 51 39.6 -4.0

SYO Syowa Base 65.21 158f eP P 11 51 59.4 -3.5

LTX Lajitas 70.37 331 eP P 11 52 18.4 +1.3

TXAR comp=Z, 0.4nm, 0.4s, baz=160, slow=8.6, SNR=18

TXAR comp=Z, 1.0nm, 0.7s, baz=157, slow=9.2, SNR=9.8

V48A Smith Brothers 71.40 347 eP P 11 52 23.8 +0.7

comp=Z, 2.0nm, 1.1s

WVT Waverly 17.97 346 eP P 11 52 27.1 +0.6

comp=Z, 1.0nm, 0.7s

WVT Mawson 72.52 163 eP P 11 52 39.5 -0.7

comp=Z, 2.3nm, 0.7s, baz=198, slow=2.8, SNR=5.0

MAW Mawson 72.52 163 eP P 11 52 29.6 +0.1

comp=Z, 0.8nm, 0.9s

CCM Cathedral Cave 74.54 344 eP P 11 52 42.4 +0.8

comp=Z, 6.4nm, 0.8s

DBIC Dimbokro 75.24 71 eP P 11 52 44.6 -1.6

comp=Z, 3.2nm, 0.7s, baz=216, slow=9.1, SNR=4.4

DBIC Dimbokro 75.24 71 eP P 11 52 44.6 -1.6

comp=Z, 4.7nm, 0.9s

BOSA Boshof 79.64 118 P P 11 53 10.5 -0.4

comp=Z, 5.9nm, 0.8s, baz=229, slow=2.9, SNR=8.3

ECSO EROS Data Center 81.21 342 eP P 11 53 19.4 +0.8

comp=Z, 6.7nm, 1.0s

TOAO Torodi Arr 84.28 70 eP P 11 53 34.5 -0.6

TOAO Torodi Arr 84.28 70 eP P 11 53 48.0 -1.1

TORD Torodi Arr 84.28 70 eP P 11 53 40.0 -1.2

comp=Z, 2.0nm, 0.8s, baz=281, slow=5.0, SNR=8.8

TORD Torodi Arr 84.28 70 eP P 11 53 47.4 -1.7

comp=Z, 1.8nm, 1.0s, baz=249, slow=4.3, SNR=3.3

TOA1 Torodi Arr 84.28 70 eP P 11 53 34.0 -1.2

TOA1 Torodi Arr 84.28 70 eP P 11 53 47.4 -1.7

PDAR Pinedale Array 84.41 333 P P 11 53 36.1 +0.6

comp=Z, 0.4nm, 0.7s, baz=127, slow=4.4, SNR=4.6

NVAR Nina Array 84.50 325 P P 11 53 37.4 +1.4

comp=Z, 0.4nm, 0.7s, baz=157, slow=5.6, SNR=4.3

NVAR comp=Z, 0.6nm, 0.7s, baz=152, slow=6.2, SNR=3.8

ULM Lac du Bournef 84.50 325 P P 11 53 49.0 +0.4

comp=Z, 1.0nm, 0.7s, baz=141, slow=6.5, SNR=3.0

ULM comp=Z, 1.8nm, 0.8s, baz=33, slow=7.3, SNR=2.7

WR1 Warrungu Arr 120.26 209 eP P 11 59 53.7 -0.8

WR1 Makanchi Array 157.06 306 eP P 11 59 53.7 -0.8

comp=Z, 0.2nm, 0.4s, baz=153, slow=1.7, SNR=7.1

H11N3 WAKE ISLAND Hyt26.36 270 T T 14 19 10.6

H11N1 WAKE ISLAND Hyt26.36 270 T T 14 19 10.5

H11N2 WAKE ISLAND Hyt26.36 270 T T 14 19 10.4

KSH Kashi 153.95 70 PKPbC PKPp 12 00 53.2 -1.2

KSH Kashi 153.95 70 PKPbC PKPp 12 04 56.7 +5.6

KSH Kashi 153.95 70 PKPbC PKPp 12 24 25.6 -0.4

ZAA1 Zalesovo Array 154.68 33 ePKPbC PKPp 12 01 17.3 -1.0

ZALV Zalesovo Beam 154.68 33 PKPbC PKPp 12 01 17.3 -1.0

comp=Z, 0.7nm, 0.4s, baz=316, slow=6.0, SNR=3.2

MK32 Makanchi Array 157.06 306 ePKPbC PKPp 12 01 28.2 -0.7

MK32 Makanchi Array 157.06 306 ePKPbC PKPp 12 01 28.2 -0.7

comp=Z, 0.6nm, 0.7s, baz=298, slow=2.6, SNR=5.5

WMQ Urumqi 161.73 54 ePKPbC PKPp 12 01 04.0 +0.3

CMAR Chiang Mai Arr 161.91 151 PKPbC PKPp 12 01 47.5 -3.0

SONA0 Songoing Array 166.75 5 ePKPbC PKPp 12 02 12.1 +0.9

SONM Songoing Array 166.75 5 PKPbC PKPp 12 02 12.1 +0.9

comp=Z, 0.2nm, 0.4s, baz=340, slow=2.1, SNR=2.3

NJ2 Nanjing 170.65 257 ePKPbC PKPp 12 01 12.0 +1.0

HHC Huchao-te 170.65 257 ePKPbC PKPp 12 01 11.9 0.0

LZH Lanzhou 176.20 67 ePKPbC PKPp 12 01 14.0 +0.8

LZH Lanzhou 176.20 67 ePKPbC PKPp 12 01 28.9 +1.1

LZH Lanzhou 176.20 67 ePKPbC PKPp 12 01 34.2 +0.2

LZH Lanzhou 176.20 67 ePKPbC PKPp 12 02 56.4 +2.7

comp=Z, 78nm, 17.9s

LZH comp=Z, 85nm, 18.2s

LZH comp=Z, 100nm, 20.1s

WEL 04 11:42:05.2, 39.3S, 0.6:176.6E, 0.9, h14km, 1km, ML3.7/16, North Island

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ Urewera, ANWZ Angora Road, OMRZ Omania, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LVC Limon Verde, LVC IPOC Station P, LVC IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ALMR Almeirim, ALMR Almeirim, PNCL Nicolau / Gran, etc.

MEX 04 11:46:18.0-0.7, 187.70N-102.63W, h26km, 20km, MD3.8, Michoacan. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMIG Aquila, EZVZ, EZV5, etc.

MEX 04 11:49:04.5-1.4, 29.22N-102.139W, h15.0-5, h414km, mb3.5/8, Error ellipse: s-maj=57.6km s-min=20.9km az=159.4. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CFA Coronel Fontan, CFA Coronel Fontan, etc.

MEX 04 11:49:05.6-1.7, 29.39N-102.139W, h15.0-5, h414km, mb3.5/8, Error ellipse: s-maj=57.6km s-min=20.9km az=159.4. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CFA Coronel Fontan, CFA Coronel Fontan, etc.

SOME 04 11:53:36.2, 39.65N-75.45E, h0km, KRNET 04 11:53:39.3-0.1, 39.44N-74.74E, mb3.0. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARLS Aral, ARLS Aral, KZA Kyzart, etc.

MEX 04 12:17:22.6-0.6, 16.23N-98.52W, h2km, MD3.8, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG Pinotepa, TLIG Tlajapa, etc.

MEX 04 12:17:22.6-0.6, 16.23N-98.52W, h2km, MD3.8, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG Pinotepa, TLIG Tlajapa, etc.

SJA 04 12:20:1.0-0.5, 21.95S-68.42W, h110km, 19km, ML3.2, MW3.8. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KST Kasteek, KST Kasteek, DGS Degeres, etc.

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

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

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

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

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

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

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

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



Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

IDD 04 13:46:20.5:0.7, 40.74N:77.93E, h0km, mb3.8/13, mb1 3.9/19, mb1mx3.7/61, mb1mp3.8/19, ML3.3/6, MS3.0/6, M1 3.1/6, ms1mx2.8/57, Error ellipse: s-maj=13.3km s-min=10.7km az=59.0

BUI 04 13:46:21.8, 40.90N:77.89E, h9km, ML3.8/10

NNC 04 13:46:22.5:0.9, 40.91N:77.90E, h0km, mb4.8, mpv4.5, Error ellipse: s-maj=6.0km s-min=4.4km az=175.0

SOME 04 13:46:22.3, 41.00N:77.88E, h0km, MS3.5

KRNET 04 13:46:23.4:0.1, 40.95N:77.85E, h19km, mb4.4, Error ellipse: s-maj=10.8km s-min=5.7km az=93.0

MOS 04 13:46:24.7:1.4, 40.94N:78.08E, h33km, mb4.1/2, Error ellipse: s-maj=10.8km s-min=5.7km az=93.0

ISJCJB 04 13:46:27.1:0.5, 40.80N:0.03:77.93E:0.03, h67km, mb3.8/16, Error ellipse: s-maj=5.7km s-min=3.7km az=162.0

NEIC 04 13:46:27.6:0.6, 40.95N:77.99E, h50km, mb4.3/2, Error ellipse: s-maj=7.6km s-min=5.9km az=146.0

ISC 04 13:46:20.0:1.5, 40.72N:0.04:77.58E:0.03, h2km, n9km, n150, r161/187, mb3.8/16, 35C-25D, Kyrgyzstan-Nijiang border region

Main table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

Main table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.

Main table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values.



4d 14h

Table with columns: MATP, YKA, WRAB, WR1, ASAR. Includes station names, coordinates, and time/residual data.

IDC 04 13:46:32.4, 4.2, 22.51S:68.49E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/60, mbtmp3.8/5, Error ellipse: s-maj=120.4km s-min=32.3km az=56.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H08S1, H08S2, CMAR, ASAR, WRA, MKAR, ZALV.

DDA 04 13:56:25.9, 37.34N:37.13E, h9km, ML2.9, ISKB 04 13:56:25.8, 37.33N:37.12E, h6km, ML2.0, ISCJB 04 13:56:26.0, 37.33N:0.04:37.14E:0.03, h8km, 5km, Error ellipse: s-maj=7.0km s-min=3.7km az=19.5

ISC 04 13:56:26.0, 9.37:32N:0.04:37.13E:0.03, h14km, 7km, n15, c0511/24, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GAZ, HCB, KMRS, AYKD, GZT, KAMA, KUZU, ANDN, ATAB, KOZT, SAIM, DARE, URFA, KRTO, BNN.

TAP 04 14:02:43.3, 24:36N:121:43E, h13km, ML2.2, B, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNSB, NNS, ETHL, NACB, NDT, WHF, TDCB, ENT, YHNB, CHGB, HWA, TWE, NWT, SLBB, WHP, OWD, ENLB, NNTS, NNTT, ILA, ILA, WLTB, ESL, TWQ1, TWQ1, NHDH.

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Table with columns: NSY, TATO, TATO, VWDV, VWDV, SMLT, EGFH, EGFH, TAP, TYC, TIPB, SSSL, SSSL, NWF, YM01, YM01, YM05, YM05, YM11, YM11, YM11, YM11, YM03, YM03, YM07, YM07, YWJ, WJWS, WHYT, WHYT, EHY, EHY, HGSD, HGSD, YULB, YULB, YULB, YULB, TWF1, TWF1, CHN5, CHN5, FULB, FULB, ELDT, ELDT, TPUB, TPUB, WSF, WSF, STYT, STYT, CHN1, CHN1, SGST, SGST.

TAP 04 14:02:46.5, 24:34N:121:66E, h13km, 1km, ML2.3, D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETHL, TWD, NNSB, NNS, NDT, NDT, ENT, ENT, HWA, HWA, TWE, TWE, WHF, WHF, WHF, WHF, YHNB, YHNB, YHNB, YHNB, TDCB, TDCB, CHGB, CHGB, CHGB, CHGB, ESL, ESL, WHP, WHP, YM01, YM01.

ISCJB 04 14:06:36.4, 0.6, 21.7S:0.1:69.1E:0.1, h10km, mb4.0/12, MS3.8/10, Error ellipse: s-maj=18.2km s-min=15.3km az=16.8

IDC 04 14:06:36.4, 0.7, 21.7S:69.06E, h0km, mb4.0/13, mb1 4.1/13, mb1mx3.9/56, mbtmp4.1/13, MS3.6/9, MS1 3.6/9, ms1mx3.3/45, Error ellipse: s-maj=23.4km s-min=17.7km az=99.0

ISC 04 14:06:38.1, 0.7, 21.7S:0.1:69.1E:0.1, h10km, n25, c088/15, mb4.0/12, MS3.6/10, Mid-Indian Ridge

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

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Table with columns: OPO, OPO, KMBO, MATP, LSZ, LBTB, BOSA, BOSA, SUR, WSAR, MAW, TSUM, CMAR, CMAR, GSPA, MKAR, BRTR, VND, VND, ZALV, SONM, AKASG, ULM, PDAR.

ISCJB 04 14:10:12.7, 0.6, 5:55S:0.02:147.19E:0.02, h173km, 5km, mb5.0/159, Error ellipse: s-maj=3.9km s-min=3.3km az=162.4

BUJ 04 14:10:13.2, 5:29S:147.45E, h179km, mb4.8/32, mb4.9/33, MOS 04 14:10:13.0, 0.7, 5:53S:147.18E, h177km, mb5.0/29, Error ellipse: s-maj=5.9km s-min=5.4km az=93.6

IDC 04 14:10:14.5, 0.3, 5:62S:147.19E, h181km, 2km, mb4.6/36, mb1 4.7/42, mb1mx4.7/48, mbtmp5.1/42, MS3.9/10, MS1 3.9/10, ms1mx3.5/35, Error ellipse: s-maj=8.0km s-min=5.1km az=95.0

DJA 04 14:10:14.7, 0.5, 6:3S:147.7E, h172km, 5km, M5.2/36, mb5.5/30, mb5.3/36, MLV6.2/3, Mw(MB)5.0/30

NEIC 04 14:10:15.2, 0.4, 5:57S:147.0E, h186km, 3km, mb5.1/97, MW5.3, Error ellipse: s-maj=3.4km s-min=2.6km az=109.0 Best double couple: NP1:112.00000, 878.00000, 1.143.00000, NP2:211.00000, 854.00000, 15.00000

Principal axes: T 1.0600, Plg34.0000, Azm65.0000; N 0.1100, Plg52.0000, Azm276.0000; P -1.1700, Plg15.0000, Azm166.0000

NEIC 04 14:10:17.2, 0.2, 5:71S:0.01:147.17E:0.01, h181km, 1km, MMT5.2/98, Moment Tensor Solution, s61.c80; s98.c164; Duration: 1s0 Moment tensor: Scale 1017Nm; Mr-0.01±.02; Mw-0.54±.02; M0-0.54±.02; M0-0.52±.01; Mw-0.25±.02; M0-0.36±.01; Best double couple: M0.86800x1017 NP1:123.00000, 890.00000, 1.133.00000, NP2:213.00000, 843.00000, 15.00000

Principal axes: T 0.8830, Plg31.0000, Azm68.0000; N -0.0290, Plg43.0000, Azm303.0000; P -0.8540, Plg31.0000, Azm179.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 04 14:10:14.5, 0.3, 5:62S:0.03:147.19E:0.04, h181km, 2km, h181km, pp-P, n652, c1818/700, mb5.0/156, 31C-10D, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MANU, PMG, PMG, RABL, JAY, JAY, JAY, JAY, GENI, COEN, COEN, COEN, MITSU, HNR, HNR, HNR, CTA, CTA, CTA, FAKI, FAKI, FAKI, QIS, SIJI, PATS, PATS, PATS, MTN, MTN, WRAB, WRAB, WRAB, WRAB, GUMO.



4d 14h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MK01, MK31, MK32, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like J01E, I02D, K02D, etc.

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



4d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SPITS Spitsbergen Ar, ARCES ARCES Array B, RES Resolute Bay, etc.

MEX 04 14:22:15.2±1.1, 16.83N×100.13W, h10km, MD3.6, Near coast of Guerrero

JMA 04 14:25:51.9±0.2, 36.78N-142.71E, h65km, M3.5, Off east coast of Honshu

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

BEO 04 14:27:37.0±0.4, 43.40N×19.08E, h0km, ML1.5/7, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BBLS Laz&#263;i, SJES Sjenica, IVAS Ivanjica, etc.

ISC 04 14:31:04.5±0.7, 10.58S×165.36E, h0km, mb4.1/16, mb1 4.3/18, mb1mx4.1/37, mbtmp4.2/18, ML4.8/2, MS4.1/13, Ms1 4.1/13, ms1mx3.8/40, Error ellipse: s-maj=20.43km s-min=16.6km az=116.0

ISCJB 04 14:31:07.5±0.5, 10.71S×165.31E, 0.07, h3km mb4.0/15, MS4.1/13, Error ellipse: s-maj=10.6km s-min=8.6km az=37.0

ISC 04 14:31:09.2±0.6, 10.68S×165.37E, 0.09, h3km, n34, r18/25, mb4.0/15, MS4.1/13, Sants Cruz Islands

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

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM 2.8nm,0.3s,baz=316,slow=16,SNR=92, DZM 0.4nm,0.3s,baz=12,slow=20,SNR=2.9, CTA Charters Tower, etc.

ISC 04 14:31:23.9±1.6, 21.86S×68.77E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.6/35, mbtmp3.7/6, Error ellipse: s-maj=51.8km s-min=29.0km az=36.0, Mid-Indian Ridge

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

ISC 04 14:43:36.0±1.6, 21.76S×68.88E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.6/39, mbtmp3.7/6, MS3.8/4, Ms1 3.8/4, ms1mx3.1/56, Error ellipse: s-maj=51.7km s-min=30.0km az=34.0, Mid-Indian Ridge

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

ISC 04 14:49:09.6±0.9, 2.23N×100.11W, h0km, mb4.3/13, mb1 4.5/15, mb1mx4.3/37, mbtmp4.3/15, ML3.9/2, MS4.2/17, Ms1 4.2/17, ms1mx4.0/27, Error ellipse: s-maj=30.5km s-min=13.1km az=50.7

ISCJB 04 14:49:10.7±0.5, 2.24N×100.06W, 0.06, 99.99W, 0.05, h10km, mb4.5/4, MS4.2/18, Error ellipse: s-maj=10.0km s-min=6.3km az=35.0

NEIC 04 14:49:11.6±0.4, 2.17N×100.04W, h10km, mb4.6/48, Error ellipse: s-maj=10.1km s-min=5.3km az=225.0

GCMT 04 14:49:15.6±0.3, 2.29N×102.99W, 0.02, h14km, 1km, MV5.0/76, Moment Tensor Solution, s31\_c36; s76\_c103; Duration: 0 Moment tensor: Scale 10^18Nm; Mr=1.08e15; Mw=3.67e16; Mw2=2.59e14; Mw1=2.02e33; Mw0=1.80e11; Mw=0.33e30; Best double couple: M3.87500e1016 N1P1=299.00000; S86.00000; X=20.00000; NP2=0.300000; S70.00000; X=176.00000; Principal axes: T 4.3650, P1g11.0000, Azm346.0000; N=1.0990, Plg69.0000, Azm108.0000; P=3.2650, Plg17.0000, Azm252.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 14:49:11.5±0.6, 2.17N×100.04W, 0.09, h10km, n158, r15/10, mb4.5/4, MS4.3/18, Galapagos Triple Junction region

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, CMIG Matias Romero, JTS JuntasAbangare, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, etc. Includes entries like O20A White River Ci, O41A Passleys Farm, LVC Limon Verde, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, etc. Includes entries like JYNG Yonagunijimaku, YOJ Yonaguni jima, YOJ Yonaguni jima, etc.

Table with columns: FULB, Fuli, Azimuth, Elevation, SNR, etc. Includes entries like FULB Fuli, NHDH Xindian Distri, NHDH Xindian Distri, etc.







4d 15h

KURK		ePcP	PcP	15 10 24.8 +0.2
KURK		eS	S	15 14 49.5 -4.2
KURK	Kurchatov	eP	P	15 08 47.4 -0.4
KURK	Kurchatov	eP	P	15 08 47.4 -0.4
KURK	Kurchatov	eP	P	15 08 47.4 -0.4
DLBC	Dease Lake	eP	P	15 09 09.9 +2.4
LSA	Lhasa	eP	P	15 09 13.5 +1.3
LSA	Lhasa	eP	P	15 09 13.5 +1.3
LSA	Lhasa	eP	P	15 09 13.5 +1.3
NONG	Nongkai	eP	P	15 09 14.4 +1.3
SKNT	Sakolnakkorn	eP	P	15 09 17.1 +1.6
DIB	Dawson Inlet	eP	P	15 09 16.9 +1.5
BRVK	Borovoye	eP	P	15 09 15.3 -0.3
BRVK	Borovoye	eP	P	15 09 15.3 -0.3
BRVK	Borovoye	eP	P	15 09 15.3 -0.3
BRVK	Borovoye	eP	P	15 09 15.3 -0.3
TARG	Taragay, Kyrgy	eP	P	15 09 26.6 +1.0
KDJ	Kajisay	eP	P	15 09 27.4 +0.8
KDJ	Kajisay	eP	P	15 09 27.4 +0.8
KDJ	Kajisay	eP	P	15 09 27.4 +0.8
UTTA	Uttaradit	eP	P	15 09 29.2 +2.0
SHL	Shillong	eP	P	15 09 28.1 -0.4
SHL	Shillong	eP	P	15 09 28.1 -0.4
SHL	Shillong	eP	P	15 09 28.1 -0.4
CMMT	Chiang Mai	eP	P	15 09 29.8 +0.9
CHTO	Chiang Mai	eP	P	15 09 29.3 +0.4
CHTO	Chiang Mai	eP	P	15 09 29.3 +0.4
CHTO	Chiang Mai	eP	P	15 09 29.3 +0.4
KIP	Kipapa	iP	P	15 09 27.9 -2.5
KIP	Kipapa	iP	P	15 09 27.9 -2.5
CHAI	Chaiyapoom	eP	P	15 09 31.8 +0.9
CM31	Chiang Mai Arr	eP	P	15 09 30.9 0.0
CMAR	Chiang Mai Arr	eP	P	15 09 30.9 0.0
CMAR	Chiang Mai Arr	eP	P	15 09 30.9 0.0
CM01	Chiang Mai Arr	eP	P	15 09 31.8 +0.8
HON	Honolulu	eP	P	15 09 32.6 +1.6
HON	Honolulu	eP	P	15 09 32.6 +1.6
HON	Honolulu	eP	P	15 09 32.6 +1.6
PBKT	Sadao Pong	eP	P	15 09 32.5 +0.8
PBKT	Sadao Pong	eP	P	15 09 32.4 +2.4
KKM	Kota Kinabalu	eP	P	15 09 32.7 0.0
RES	Resolute Bay	eP	P	15 09 34.8 -0.9
RES	Resolute Bay	eP	P	15 09 34.8 -0.9
RES	Resolute Bay	eP	P	15 09 34.8 -0.9
RES	Resolute Bay	eP	P	15 09 34.8 -0.9
AAK	Ala-Archa	eP	P	15 09 37.1 +0.2
AAK	Ala-Archa	eP	P	15 09 37.0 +0.2
AAK	Ala-Archa	eP	P	15 09 37.1 +0.2
AAK	Ala-Archa	eP	P	15 09 38.3 +0.7
TARA	Tarawa	eP	P	15 09 37.6 +0.1
KBS	Kingsbay	eP	P	15 09 37.6 +0.1
KBS	Kingsbay	eP	P	15 09 37.6 +0.1
KBS	Kingsbay	eP	P	15 09 37.6 +0.1
SPA0	Spitsbergen Ar	eP	P	15 09 37.5 -0.4
SVE	Sverdlovsk	eP	P	15 09 38.3 -0.2
SVE	Sverdlovsk	eP	P	15 09 38.3 -0.2
KHLH	Kahului Airpo	eP	P	15 09 40.6 -0.2
SRAK	Srakawew	eP	P	15 09 40.6 -0.8
KSH	Kashi	eP	P	15 09 47.3 +4.4
KSH	Kashi	eP	P	15 11 37.8 +0.6
KSH	Kashi	eP	P	15 11 51.6 +7.3
KSH	Kashi	eP	P	15 16 38.6 +3.6
KSH	Kashi	eP	P	15 18 57.5 +3.2
KSH	Kashi	eP	P	15 20 23.0 -5.5
KSH	Kashi	eP	P	15 20 23.0 -5.5
YKWS	Yellowknife Ar	eP	P	15 09 43.6 +0.2
YKA	Yellowknife Ar	eP	P	15 09 44.1 +0.4
YKA	Yellowknife Ar	eP	P	15 09 44.1 +0.4
YKA	Yellowknife Ar	eP	P	15 09 51.9 +0.6
YKBS	Yellowknife Ar	eP	P	15 09 43.1 -0.6
YKBS	Yellowknife Ar	eP	P	15 10 51.3 0.0
YKBS	Yellowknife Ar	eP	P	15 09 48.7 +4.2
ARU	Arti	eP	P	15 09 46.5 -0.7
ARU	Arti	eP	P	15 09 46.8 -0.4
ARU	Arti	eP	P	15 09 46.8 -0.4
ARU	Arti	eP	P	15 11 01.2 -0.4
ARU	Arti	eP	P	15 11 48.3
HUH	Hualalai	eP	P	15 09 51.1 +0.7
FAKI	Fak Fak	eP	P	15 09 51.9 +0.8
POHA	Pohakuloa	eP	P	15 09 52.0 +0.6
HMH	Humu'ula Sheep	eP	P	15 09 54.2 +1.7
KK31	Karatay Array	eP	P	15 09 52.2 -0.5
KK31	Karatay Array	eP	P	15 09 52.2 -0.5
KK31	Karatay Array	eP	P	15 09 52.2 -0.5
KKAR	Karatay Array	eP	P	15 09 52.0 -0.6
KKAR	Karatay Array	eP	P	15 09 52.0 -0.6
KKAR	Karatay Array	eP	P	15 09 52.0 -0.6
MLH	Mauna Loa	eP	P	15 09 55.6 +2.1
KHU	Kahuku	eP	P	15 09 55.2 +1.6
KHU	Kahuku	eP	P	15 09 55.2 +1.6
AIN	Ainahou	eP	P	15 09 55.3 +1.7
BTK	Batken	eS	S	15 10 04.1 +0.1
BTK	Batken	eS	S	15 17 11.2 -2.9
BTK	Batken	eS	S	15 10 04.1 +0.1
BTK	Batken	eS	S	15 17 11.2 -2.9

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PRGR	Pergomere	eP	P	15 10 04.7 -1.2
PRGR	Pergomere	eP	P	15 10 04.7 -1.2
LLBL	Lilicoat	eP	P	15 10 07.5 +0.9
PGC	Sidney	eP	P	15 10 09.4 +0.9
GAR	Garm	eP	P	15 10 10.3 -0.3
GAR	Garm	eP	P	15 10 10.4 -0.3
GAR	Garm	eP	P	15 10 10.4 -0.3
ABKAR	Akkubak array	eP	P	15 10 10.1 -0.6
NLWA	Neilton Lookou	eP	P	15 10 13.4 +1.4
ARA0	ARCESS Array S	eP	P	15 10 12.9 +0.1
ARCES	ARCESS Array B	eP	P	15 10 12.9 +0.1
ARCES	ARCESS Array B	eP	P	15 10 12.1 -0.6
ARCES	ARCESS Array B	eP	P	15 10 12.0 -1.9
TMCR	Tamitsa	eP	P	15 10 16.1 +1.7
D03D	Eldon	eP	P	15 10 16.1 +1.7
B05A	Bryant	eP	P	15 10 16.5 +1.3
B06A	Marblemount	eP	P	15 10 16.9 +0.9
E03A	Lebam	eP	P	15 10 18.5 +1.9
D04E	Lebam	eP	P	15 10 19.2 +2.1
D05A	Enumclaw	eP	P	15 10 21.6 +1.6
NIL	Nilore	eP	P	15 10 20.8 +0.3
NIL	Nilore	eP	P	15 10 20.8 +0.3
NIL	Nilore	eP	P	15 10 20.8 +0.3
E04D	Cinebar	eP	P	15 10 22.3 +1.9
PMG	Port Moresby	eP	P	15 10 22.5 +0.2
PMG	Port Moresby	eP	P	15 10 22.5 +0.2
PMG	Port Moresby	eP	P	15 10 22.5 +0.2
PMG	Port Moresby	eP	P	15 10 22.5 +0.2
LON	Longmire	eP	P	15 10 22.5 -0.2
LON	Longmire	eP	P	15 10 22.5 -0.2
LON	Longmire	eP	P	15 10 22.5 -0.2
G03D	McMininville, O	eP	P	15 10 25.2 +1.8
LTY	Liberty	eP	P	15 10 25.7 +0.8
B08A	Colville Reser	eP	P	15 10 26.1 +0.9
I02D	Swissmoor	eP	P	15 10 27.8 +2.1
KLMR	Klimovskoe	eP	P	15 10 23.5 -1.9
KLMR	Klimovskoe	eP	P	15 10 23.5 -1.9
KLMR	Klimovskoe	eP	P	15 10 23.5 -1.9
COR	Corvallis	eP	P	15 10 27.8 +2.0
COR	Corvallis	eP	P	15 10 27.8 +2.0
COR	Corvallis	eP	P	15 10 27.8 +2.0
H04D	Lebanon	eP	P	15 10 30.4 +2.0
K04B	Edson Butte	eP	P	15 10 30.2 +1.2
J01E	Myrtle Point	eP	P	15 10 31.4 +2.1
I03D	Drahn OR	eP	P	15 10 31.5 +2.1
H04A	Detroit Lake	eP	P	15 10 31.2 +1.4
G05D	Sunnyside, OR	eP	P	15 10 32.8 +1.9
E07A	Wannick	eP	P	15 10 31.4 +0.6
C09A	Chrisman Ranch	eP	P	15 10 31.9 +0.5
D08A	Wollman Farm,	eP	P	15 10 33.0 +0.8
I04A	Tendick Farm,	eP	P	15 10 34.3 +1.6
HAWA	Hanford	eP	P	15 10 33.8 +1.1
F07A	Phinny Hill Vi	eP	P	15 10 34.4 +1.1
G06A	Carlson Farm,	eP	P	15 10 34.9 +1.5
NEW	Newport	eP	P	15 10 34.6 +1.1
NEW	Newport	eP	P	15 10 34.7 +1.1
NEW	Newport	eP	P	15 10 34.7 +1.1
NEW	Newport	eP	P	15 10 34.7 +1.1
E08A	Didcot Farm, E	eP	P	15 10 34.9 +0.9
I05D	Terrebonne, OR	eP	P	15 10 36.1 +1.5
L02E	Cave Junction	eP	P	15 10 36.6 +1.7
KBL	Kabul	eP	P	15 10 34.9 -0.6
KBL	Kabul	eP	P	15 10 34.9 -0.6
KBL	Kabul	eP	P	15 10 34.9 -0.6
HUMO	Hull Mountain	eP	P	15 10 37.4 +1.8
KULM	Kulim	eP	P	15 10 36.6 +0.6
KRMB	Red Mountain	eP	P	15 10 37.9 +1.4
E09A	Wood Farm, Sta	eP	P	15 10 38.8 +1.5
PINE	Pine Mountain	eP	P	15 10 37.7 -0.9
IPM	Ipoh	eP	P	15 10 38.8 -0.2
JCC	Jacob Creek,	eP	P	15 10 40.1 +1.3
J05D	Fort Rock, OR	eP	P	15 10 41.6 +2.1
G08A	Pilot Peak	eP	P	15 10 41.0 +1.4
L04D	Klamath Falls	eP	P	15 10 41.5 +1.6
YBH	Yreka Blue Hor	eP	P	15 10 41.9 +1.6
YBH	Yreka Blue Hor	eP	P	15 10 41.9 +1.6
SUMG	Summit	eP	P	15 10 39.7 -0.6
SUMG	Summit	eP	P	15 10 39.7 -0.6
SUMG	Summit	eP	P	15 10 39.7 -0.6
M02C	Celiana	eP	P	15 10 43.3 +2.1
WALA	Waterton Lakes	eP	P	15 10 42.2 +0.6
WALA	Waterton Lakes	eP	P	15 10 42.2 +0.6
I07A	Izeze	eP	P	15 11 25.2 +1.5
F10A	Beach Ranch, O	eP	P	15 10 44.0 +1.0
K05A	Summer Lake	eP	P	15 10 44.9 +1.5
M04C	Macdoel	eP	P	15 10 45.4 +1.8
N02D	Trinity Center	eP	P	15 10 45.5 +2.0
KCPM	Cahto Peak	eP	P	15 10 46.7 +1.1
WDC	Whiskeytown Da	eP	P	15 10 46.6 +0.9
WDC	Whiskeytown Da	eP	P	15 10 46.6 +0.9
WDC	Whiskeytown Da	eP	P	15 10 46.6 +0.9

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O02D	Mt. Diablo Mer	eP	P	15 10 48.5 +1.9
BMO	Blue Mountains	eP	P	15 10 48.8 +1.2
BMO	Blue Mountains	eP	P	15 10 48.8 +1.2
BMO	Blue Mountains	eP	P	15 10 48.8 +1.2
MOD	Modoc Plateau	eP	P	15 10 50.2 +1.2
J08A	Circus Bar Rain	eP	P	15 10 51.3 +1.6
O03E	Paynes Creek	eP	P	15 10 51.0 +1.0
MSO	Missoula	eP	P	15 10 52.1 +1.1
MSO	Missoula	eP	P	15 10 52.2 +1.1
SOEI	Soe	eP	P	15 10 53.2 +1.4
GDXM	Geyers	eP	P	15 10 53.6 +1.2
WVOR	Wild Horse Val	eP	P	15 10 54.1 +1.1
FFC	Flin Flon	eP	P	15 10 53.4 +0.3
FFC	Flin Flon	eP	P	15 10 53.4 +0.3
FFC	Flin Flon	eP	P	15 10 53.4 +0.3
FIA1	FINESS Array S	eP	P	15 10 52.0 -1.3
FIA1	FINESS Array S	eP	P	15 10 52.2 -1.1
FIA0	FINESS Array S	eP	P	15 10 52.2 -1.1
FIA0	FINESS Array S	eP	P	15 10 52.2 -1.1
FINES	FINESS Array B	eP	P	15 10 52.2 -1.1
SCO	Scoresby Sund	eP	P	15 10 53.0 -0.3
SCO	Scoresby Sund	eP	P	15 10 53.0 -0.3
SCO	Scoresby Sund	eP	P	15 10 53.0 -0.3
COEN	Coen	eP	P	15 10 55.1 +1.0
ORV	Orville	eP	P	15 10 54.8 +0.6
ORV	Orville	eP	P	15 10 54.8 +0.6
ORV	Orville	eP	P	15 10 54.8 +0.6
BEKR	Beekworth	eP	P	15 10 58.4 +0.9
MTN	Manton Dam	eP	P	15 10 59.3 +0.5
HRY	Holler Researc	eP	P	15 11 00.2 +1.4
AFDM	Forest Hills D	eP	P	15 10 59.7 +0.8
EGMT	Eagleton	eP	P	15 11 00.7 +0.8
EGMT	Eagleton	eP	P	15 11 01.0 +1.1
OBN	Obninsk	eP	P	15 10 59.3 -0.4
OBN	Obninsk	eP	P	15 10 59.1 -0.6
OBN	Obninsk	eP	P	15 12 19.9 +2.8
OBN	Obninsk	eP	P	15 13 26.0
OBN	Obninsk	eP	P	15 20 11.6 -3.6
LRM	Limekiln Ridge	eP	P	15 11 02.0 +1.3
PAHR	Pah Rah Range	eP	P	15 11 02.9 +1.0
DLMT	Dillon	eP	P	15 11 03.6 +1.5
VCNR	Virginia City	eP	P	15 11 03.5 +0.8
HLID	Hailey	eP	P	15 11 04.8 +1.2
HLID	Hailey	eP	P	15 11 38.9 +1.5
HLID	Hailey	eP	P	15 11 05.2 +1.6
MCMT	McKenzie Canyo	eP	P	15 11 04.4 +0.7
PNTR	Pine Nut	eP	P	15 11 04.8 +0.9
BOZ	Bozeman (W)	eP	P	15 11 05.9 +1.6
BOZ	Bozeman (W)	eP	P	15 11 05.7 +1.4
CMB	Columbia Colle	eP	P	15 11 05.6 +0.5
CMB	Columbia Colle	eP	P	15 11 05.6 +0.5
YERR	Yerington	eP	P	15 11 07.1 +1.5
GEYT	Alibek	eP	P	15 11 05.8 +0.4
WAKR	Walker	eP	P	15 11 08.3 +1.4
BMN	Battle Mountai	eP	P	15 11 08.0 +1.1
BMN	Battle Mountai	eP	P	15 11 08.0 +1.1
BMN	Battle Mountai	eP	P	15 11 08.0 +1.1
VSU	Vasula	eP	P	15 11 06.5 -0.

TPAW	Teton Pass	65.13	52	eP	P	15 11 18.0	+2.0
LOHW	Long Hollow	65.23	52	eP	P	15 11 18.1	+1.5
SNOW	Snow King	65.25	52	eP	P	15 11 18.8	+2.0
REDW	Red Top Meadow	65.27	52	eP	P	15 11 18.4	+1.5
HVU	Hanse Valley	65.31	55	eP	P	15 11 18.9	+1.9
HVU	Hansel Valley	65.31	55	eP	P	15 11 18.9	+1.9
LAO	LASA	65.34	47	eP	P	15 11 17.9	+0.9
TIN	Tinemaha, Big	65.39	61	P	P	15 11 18.8	+1.3
SMCC	Simmler	65.50	64	P	P	15 11 19.6	+1.4
AHID	Auburn Hatcher	65.55	53	eP	P	15 11 19.8	+1.3
SPUT	South Promonto	65.81	55	eP	P	15 11 21.7	+1.5
CWC	Cottonwood Cre	65.89	62	P	P	15 11 21.9	+1.1
PKM	Mcperson Peak	65.90	64	P	P	15 11 22.2	+1.3
GRAC	Grapevine Rang	65.94	61	P	P	15 11 22.6	+1.6
NC405	NORSAR Array S	65.98	339	eP	P	15 11 19.6	-1.2
R11A	Troy Canyon, C	66.06	59	eP	P	15 11 22.6	+0.8
R11A	Troy Canyon, S	66.06	59	eP	P	15 11 22.9	+1.0
NC204	NORSAR Array S	66.07	339	eP	P	15 11 20.3	-1.1
HWUT	Hardware Ranch	66.09	54	eP	P	15 11 23.6	+1.5
NB201	NORSAR Array S	66.14	339	eP	P	15 11 20.7	-1.1
NB2	NORSAR Subarra	66.17	339	eP	P	15 11 21.0	-1.0
NB200	NORSAR Array S	66.17	339	eP	P	15 11 21.1	-0.8
NOA	NORSAR Array B	66.17	339	eP	P	15 11 21.1	-0.8
ISA	Isabella, Lake	66.18	63	eP	P	15 11 22.8	+0.2
ISA	Isabella, Lake	66.18	63	eP	P	15 11 22.8	+0.2
ISA	Isabella, Lake	66.18	63	eP	P	15 11 22.7	+0.2
DAC	Darwin (Calif)	66.29	62	eP	P	15 11 26.2	+2.8
DAC	Darwin (Calif)	66.29	62	eP	P	15 11 26.2	+2.8
NC602	NORSAR Array S	66.36	339	eP	P	15 11 22.2	-0.9
BW06	Boulder Array	66.37	52	eP	P	15 11 24.3	+0.5
BW06	Boulder Array	66.37	52	eP	P	15 11 24.8	+1.0
PD31	Pinedale Array	66.37	52	eP	P	15 11 24.5	+0.7
PDAR	Pinedale Array	66.37	52	eP	P	15 11 24.6	+0.8
PDAR	Pinedale Array	66.37	52	eP	P	15 11 24.5	+0.7
DUG	Dugway, Toeole	66.37	56	P	P	15 11 25.0	+1.3
NAO01	NORSAR Array S	66.42	339	eP	P	15 11 22.8	-0.8
MPMC	Manual Prospec	66.50	62	P	P	15 11 25.7	+1.0
TPNV	Topopah Spring	66.63	60	P	P	15 11 26.5	+1.1
TPNV	Topopah Spring	66.63	60	P	P	15 11 26.5	+1.1
TPNV	Topopah Spring	66.63	60	P	P	15 11 26.6	+1.2
OSI	Osito Audit: C	66.75	64	P	P	15 11 27.0	+0.9
OSI	Osito Audit: C	66.75	64	P	P	15 11 27.3	+1.3
LRLMC	Laurel Mtn Rad	66.78	62	P	P	15 11 27.5	+1.1
PSUT	Pine Spring	66.93	58	eP	P	15 11 28.2	+0.8
EDW2	Edwards Air Fb	67.00	63	P	P	15 11 28.8	+1.1
MPU	Maple Canyon	67.15	55	eP	P	15 11 30.1	+1.4
MWC	Mount Wilson	67.41	64	eP	P	15 11 31.1	+0.7
GSC	Goldstone, Bar	67.42	62	eP	P	15 11 31.1	+0.7
GSC	Goldstone, Bar	67.42	62	eP	P	15 11 31.1	+0.7
GSC	Goldstone, Bar	67.42	62	eP	P	15 11 31.4	+1.0
ULM	Lac du Bonnet	67.50	39	P	P	15 11 30.4	0.0
ULM	Lac du Bonnet	67.50	39	eP	P	15 11 30.4	0.0
SHPR	Sheep Range	67.57	60	eP	P	15 11 32.6	+1.3
BFSC	Mount Black	67.64	63	P	P	15 11 32.6	+0.9
MDND	Maddock	67.65	43	eP	P	15 11 32.4	+0.9
MDND	Maddock	67.65	43	eP	P	15 11 32.4	+0.9
TCRU	Three Creeks R	67.67	57	eP	P	15 11 33.3	+1.3
CIS	Catalina Islan	67.76	65	P	P	15 11 33.0	+0.7
TUQ	Turquoise Moun	67.86	61	P	P	15 11 34.2	+1.1
CCUT	Cedar City	67.89	58	eP	P	15 11 35.0	+1.6
TMUT	Trail Mountain	67.89	56	eP	P	15 11 34.5	+1.1
MSU	Marysvalle	67.89	57	eP	P	15 11 35.0	+1.6
MSU	Marysvalle	67.89	57	eP	P	15 11 35.0	+1.6
KIV	Kislovodsk	67.90	312	eP	P	15 11 33.4	+0.3
KIV	Kislovodsk	67.90	312	eP	P	15 11 33.4	+0.3
KBZ	Khabaz	67.96	311	P	P	15 11 34.1	+0.8
SC12	San Clemente I	67.97	65	P	P	15 11 34.5	+0.9
SZCU	Shurtz Canyon	68.01	58	eP	P	15 11 34.6	+0.5
P17A	Butcher Ranch,	68.02	55	eP	P	15 11 35.6	+1.6
HEC	Hector, Ludlow	68.03	62	P	P	15 11 35.2	+1.1
K22A	Casper	68.04	50	eP	P	15 11 34.4	+0.3
K22A	Casper	68.04	50	eP	P	15 11 34.8	+0.7
B2BA	Big Bear Solar	68.07	63	P	P	15 11 35.6	+1.1
Q16A	Castle Valley	68.17	56	eP	P	15 11 36.5	+1.5
MTPU	Mount Pierson	68.21	57	eP	P	15 11 37.1	+1.6
RSSD	Black Hills	68.25	48	eP	P	15 11 36.0	+0.5
RSSD	Black Hills	68.25	48	eP	P	15 11 36.0	+0.5
RSSD	Black Hills	68.25	48	eP	P	15 11 36.1	+0.7
LCMT	Little Creek M	68.33	59	eP	P	15 11 37.5	+1.6
MURC	Murrieta	68.36	64	P	P	15 11 36.6	+0.5
RWWY	Rawlins	68.36	51	eP	P	15 11 37.3	+1.0
SRU	San Rafael Swe	68.39	55	eP	P	15 11 37.2	+0.8
SRU	San Rafael Swe	68.39	55	eP	P	15 11 37.2	+0.8

SRU	comp-Z,18nm,0.9s	68.46	62	P	P	15 11 37.9	+1.2
GMRC	Granite Mounta	68.46	62	P	P	15 11 37.9	+1.2
PKCU	Pinon Cliffs	68.56	58	eP	P	15 11 39.6	+2.0
KNB	Kanab	68.56	58	eP	P	15 11 39.0	+1.5
KNB	Kanab	68.56	58	eP	P	15 11 39.0	+1.5
LDFC	Landfair	68.58	61	eP	P	15 11 37.8	+0.3
WR1	Warramunga Arr	68.77	195	eP	P	15 11 38.6	+0.2
WRA	Warramunga Arr	68.77	195	eP	P	15 11 38.6	+0.2
PFO	Pinyon Flats O	68.80	63	eP	P	15 11 39.0	+0.1
PFO	Pinyon Flats O	68.80	63	eP	P	15 11 39.0	+0.1
PFO	Pinyon Flats O	68.80	63	eP	P	15 11 39.6	+0.8
XPFO	Pion Flat	68.80	63	eP	P	15 11 39.1	+0.3
BELC	Belle Mtn, Jos	68.80	63	eP	P	15 11 39.5	+0.6
FITZ	Fitzroy Crossi	68.90	204	eP	P	15 11 39.5	+0.2
FITZ	Fitzroy Crossi	68.90	204	eP	P	15 11 40.1	+0.8
O20A	White River C	68.92	53	eP	P	15 11 40.3	+0.7
O20A	White River C	68.92	53	eP	P	15 11 40.5	+0.9
AGMN	Agassiz Nation	68.98	40	eP	P	15 11 39.0	-0.6
AGMN	Agassiz Nation	68.98	40	eP	P	15 11 39.6	0.0
IRM	Iron Mountain	69.20	62	P	P	15 11 42.3	+1.1
U15A	North Rim	69.28	58	eP	P	15 11 43.1	+1.1
W13A	Hualapai Moun	69.29	60	eP	P	15 11 42.8	+0.8
BAR	Barrett	69.31	64	eP	P	15 11 42.7	+0.8
MONP2	Monument Peak	69.32	64	P	P	15 11 42.8	+0.7
BC3	Big Chuckawall	69.37	62	P	P	15 11 42.9	+0.6
PHWV	Pilot Hill	69.56	51	eP	P	15 11 44.1	+0.5
N23A	Red Feather La	69.60	51	eP	P	15 11 44.7	+1.0
N23A	Red Feather La	69.60	51	eP	P	15 11 44.4	+0.7
SWSC	Sam W. Stewart	69.66	63	P	P	15 11 44.6	+0.7
IKP	In-Ko-Pah, Jac	69.67	64	P	P	15 11 45.2	+1.1
PDMC	Parker Dam, Lak	69.69	61	P	P	15 11 45.1	+1.0
Y12C	Blythe	69.86	62	eP	P	15 11 46.1	+1.1
Y12C	Blythe	69.86	62	eP	P	15 11 46.4	+1.3
KARS	Kars	70.10	309	eP	P	15 11 46.9	+0.2
KARS	Kars	70.10	309	eP	P	15 11 46.9	+0.2
GLA	Glamis	70.17	63	eP	P	15 11 48.0	+1.0
GLA	Glamis	70.17	63	eP	P	15 11 48.0	+1.0
GLA	Glamis	70.17	63	eP	P	15 11 48.0	+1.0
SMCO	Snowmass	70.29	53	eP	P	15 11 48.6	+0.5
MSVF	Nonsavu	70.36	150	eP	P	15 11 50.1	+1.9
MSVF	Nonsavu	70.36	150	eP	P	15 11 50.1	+1.9
WUAZ	Wupatki	70.45	59	eP	P	15 11 50.1	+1.2
WUAZ	Wupatki	70.45	59	eP	P	15 11 50.1	+1.2
SUSD	Miller	70.48	45	P	P	15 11 49.2	+0.5
ISCO	Idaho Springs	70.56	52	eP	P	15 11 50.8	+1.1
ISCO	Idaho Springs	70.56	52	eP	P	15 11 50.8	+1.1
ISCO	Idaho Springs	70.56	52	eP	P	15 11 51.0	+1.4
MVCO	Mesa Verde	70.87	56	eP	P	15 11 51.8	+0.4
MVCO	Mesa Verde	70.87	56	eP	P	15 11 52.5	+1.1
EYMN	Ely	71.11	38	eP	P	15 11 51.7	-0.7
EYMN	Ely	71.11	38	eP	P	15 11 52.3	-0.1
X16A	Lo Mia Camp, P	71.19	59	eP	P	15 11 54.8	+1.4
S22A	4UR Ranch, Cre	71.40	54	eP	P	15 11 55.9	+1.3
S22A	4UR Ranch, Cre	71.40	54	eP	P	15 11 56.1	+1.5
Q24A	Divide	71.42	52	eP	P	15 11 55.3	+0.6
Q24A	Divide	71.42	52	eP	P	15 11 55.7	+1.0
OGNE	Ogallala	71.58	49	eP	P	15 11 56.0	+0.6
OGNE	Ogallala	71.58	49	eP	P	15 11 56.2	+0.8
W18A	Petited Fore	71.67	58	P	P	15 11 57.3	+1.1
X18A	Snowflake	71.97	58	eP	P	15 11 59.2	+1.3
SDCO	Great Sand Dun	72.12	53	eP	P	15 11 59.8	+0.9
SDCO	Great Sand Dun	72.12	53	eP	P	15 11 59.9	+1.0
ECSD	EROS Data Cent	72.12	44	eP	P	15 11 58.4	-0.1
ECSD	EROS Data Cent	72.12	44	eP	P	15 11 58.6	+0.1
214A	Organ Pipe Nat	72.14	62	P	P	15 11 59.8	+1.0
E38A	The Farm, Brul	72.14	39	eP	P	15 11 58.4	-0.1
E38A	The Farm, Brul	72.14	39	eP	P	15 11 58.4	-0.1
KWP	Kalwaria Pacla	72.32					

4d 15h

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Contains station data for 4d 15h.

2013 APR

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Contains station data for 2013 APR.

210

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Contains station data for 210.

ISCJB 04 15:04:09.1 to 0.5, 21.80S, 0.09:68, 87E, 0.10, h10km, mb4.1/24, MS4.4/4, Error ellipse: s-maj=15.1km s-min=11.0km az=43.9

IDC 04 15:04:09.4 to 0.7, 21.74S:68:85E, h0km, mb3.8/12, mb1.4/0.12, mb1mx3.8/52, mbtmp3.8/12, MS4.3/4, Ms1.4/3.4, ms1mx3.5/51, Error ellipse: s-maj=21.7km s-min=17.3km az=46.0

NEIC 04 15:04:12.2 to 2.0, 21.76S:68:89E, h16km, 5km, mb4.4/14, Error ellipse: s-maj=24.7km s-min=19.5km az=211.0 Station ID: 0577/36, mb4.3/24, MS4.5/4, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Contains station data for ISC, IDC, and NEIC.

IDC 04 15:04:48.5 to 2.5, 4.29S:149.94E, h0km, mb3.1/3,















M43A	Waltham Townsh	119.55	4	P	PKPdf	15 35 16.0	-0.7
S22A	4UR Ranch, Cre	119.59	20	ePKPdf	PKPdf	15 35 16.8	-0.6
S22A	4UR Ranch, Cre	119.59	20	P	PKPdf	15 35 16.9	-0.5
M52A	WI Miller and	119.59	357	P	PKPdf	15 35 16.3	-0.6
BC3	Big Chucckawall	119.71	30	P	PKPdf	15 35 17.3	-0.2
TBI	Tubular	119.71	106	eLR	LR	16 11 53.8	
MONP2	Monument Peak	119.87	31	P	PKPdf	15 35 17.5	-0.5
SDCO	Great Sand Dun	120.01	19	ePKPdf	PKPdf	15 35 17.0	-1.2
SDCO	Great Sand Dun	120.01	19	P	PKPdf	15 35 17.4	-0.8
N54A	Moraine State	120.03	356	P	PKPdf	15 35 17.1	-0.6
N43A	Stutzman Famil	120.03	4	P	PKPdf	15 35 16.2	-1.6
SSPA	Standing Stone	120.18	1354	P	PKPdf	15 35 16.6	-1.4
N46A	Monticello	120.20	2	P	PKPdf	15 35 16.8	-1.2
N49A	Columbus Grove	120.21	360	P	PKPdf	15 35 17.1	-1.0
N45A	Kenntland	120.21	3	P	PKPdf	15 35 16.9	-1.2
IKP	In-Ko-Pah, Jac	120.22	31	P	PKPdf	15 35 18.2	-0.2
N53A	Lisbon	120.23	357	P	PKPdf	15 35 16.9	-1.2
N47A	Urbana	120.24	1	P	PKPdf	15 35 17.0	-1.1
N52A	McGinn's Farm,	120.26	358	P	PKPdf	15 35 17.1	-1.1
N48A	Decatur	120.27	1	P	PKPdf	15 35 16.6	-1.6
N50A	Nevada	120.35	359	P	PKPdf	15 35 17.2	-1.1
GLA	Glamis	120.50	30	ePKPdf	PKPdf	15 35 17.8	-1.1
GLA	Glamis	120.50	30	ePKIKP	PKPdf	15 35 17.8	-1.1
GLA	Glamis	120.50	30	P	PKPdf	15 35 18.3	-0.6
CBK5	Cedar Bluff	120.56	14	P	PKPdf	15 35 18.1	-0.8
O56A	Blue Knob Stat	120.61	355	P	PKPdf	15 35 18.0	-0.9
SFIN	Lafayette	120.70	2	P	PKPdf	15 35 18.5	-0.5
O55A	Ligonier	120.73	355	P	PKPdf	15 35 17.9	-1.2
O54A	Avella	120.83	356	P	PKPdf	15 35 19.1	-0.2
X16A	Lo Mia Camp, P	120.83	26	ePKPdf	PKPdf	15 35 19.5	-0.2
O48A	Farmland	120.87	1	P	PKPdf	15 35 18.1	-1.2
O47A	Sheridan	120.87	2	P	PKPdf	15 35 18.0	-1.4
ACSO	Alum Creek Sta	120.88	359	ePKPdf	PKPdf	15 35 17.7	-1.7
ACSO	Alum Creek Sta	120.88	359	P	PKPdf	15 35 18.0	-1.4
W18A	Petrified Fore	120.90	24	ePKPdf	PKIKP	15 35 20.2	+0.3
W18A	Petrified Fore	120.90	24	P	PKPdf	15 35 19.1	-0.8
T25A	Trinidad	120.90	19	ePKPdf	PKPdf	15 35 18.6	-1.2
T25A	Trinidad	120.90	19	P	PKPdf	15 35 18.4	-1.4
KSU1	Kansas State U	120.92	11	P	PKPdf	15 35 18.4	-1.1
O49A	Covington	120.94	360	ePKPdf	PKPdf	15 35 17.4	-2.1
O49A	Covington	120.94	360	P	PKPdf	15 35 18.4	-1.1
O51A	Pataskala	120.96	358	P	PKPdf	15 35 18.4	-1.1
O52A	Adamsville	120.96	358	P	PKPdf	15 35 17.9	-1.7
O50A	Cable	120.98	359	P	PKPdf	15 35 18.4	-1.1
A17A	Barry, Barry	121.13	6	P	PKPdf	15 35 18.9	-0.9
P42A	Winchester	121.28	5	ePKPdf	PKPdf	15 35 18.4	-1.7
P42A	Winchester	121.28	5	P	PKPdf	15 35 18.7	-1.5
P43A	Skaggs, Pawnee	121.30	5	P	PKPdf	15 35 19.0	-1.2
P54A	Burton	121.41	356	P	PKPdf	15 35 19.6	-0.8
P46A	Rosedale	121.45	2	P	PKPdf	15 35 19.7	-0.8
P52A	Corning	121.45	358	P	PKPdf	15 35 19.7	-0.8
P55A	Reedsville	121.46	356	P	PKPdf	15 35 18.7	-1.9
P50A	Jamestown	121.52	359	P	PKPdf	15 35 18.9	-1.7
P45A	Graceland, Par	121.52	3	ePKPdf	PKPdf	15 35 19.4	-1.2
P45A	Graceland, Par	121.52	3	P	PKPdf	15 35 19.2	-1.4
P44A	Sand Creek, Wi	121.53	4	P	PKPdf	15 35 19.7	-0.9
P53A	Whipple	121.57	357	P	PKPdf	15 35 20.7	0.0
P49A	Miami Univ. Ec	121.59	0	P	PKPdf	15 35 20.1	-0.7
P47A	Martinsville	121.62	2	P	PKPdf	15 35 20.1	-0.7
P51A	Williamsport	121.63	359	P	PKPdf	15 35 19.8	-1.0
P48A	Milroy	121.66	1	P	PKPdf	15 35 19.7	-1.2
Q41A	Truxton	121.83	6	P	PKPdf	15 35 20.4	-0.8
Q42A	Golden Eagle	121.93	6	P	PKPdf	15 35 21.0	-0.4
Q43A	New Douglas	121.98	5	P	PKPdf	15 35 20.6	-1.0
Q55A	Buckhannon	121.99	356	P	PKPdf	15 35 20.7	-0.9
Q54A	Coxs Mills	122.05	357	P	PKPdf	15 35 20.7	-0.9
Q44A	Meyer Farm, Va	122.06	4	P	PKPdf	15 35 20.5	-1.2
Q51A	Peebles	122.09	359	P	PKPdf	15 35 20.7	-1.1
Q49A	Aurora	122.12	0	P	PKPdf	15 35 20.5	-1.3
Q45A	Warren Harvey,	122.13	3	P	PKPdf	15 35 20.6	-1.2
Q52A	Bidwell	122.13	358	P	PKPdf	15 35 20.5	-1.3
Q47A	Bedord North L	122.16	2	P	PKPdf	15 35 20.8	-1.1
Q48A	North Vernon	122.19	1	P	PKPdf	15 35 21.1	-0.8
Q53A	Leroy	122.20	357	P	PKPdf	15 35 20.8	-1.2
TASM	ASL Pad, Albuq	122.25	21	P	PKIKP	15 35 22.7	+0.1
TASM	ASL Pad, Albuq	122.25	21	P	PKPdf	15 35 22.5	0.0
ANMO	Albuquerque	122.25	21	ePKPdf	PKPdf	15 35 22.4	-0.1
ANMO	Albuquerque	122.25	21	P	PKPdf	15 35 22.3	-0.1
Q50A	Georgetown	122.28	360	P	PKPdf	15 35 21.6	-0.5
214A	Organ Pipe Nat	122.34	29	P	PKPdf	15 35 21.9	-0.5
R41A	Rosebud	122.46	6	P	PKPdf	15 35 21.6	-0.9
LAZ	Ladron	122.50	22	ePKPdf	PKPdf	15 35 22.4	-0.5
R42A	Luebbering	122.53	6	P	PKPdf	15 35 21.6	-1.0
CCM	Cathedral Cave	122.71	6	ePKPdf	PKPdf	15 35 21.7	-1.3
CCM	Cathedral Cave	122.71	6	ePKIKP	PKPdf	15 35 21.7	-1.3
CCM	Cathedral Cave	122.71	6	P	PKPdf	15 35 22.4	-0.5
R44A	Waltonville	122.71	4	P	PKPdf	15 35 22.0	-1.0
R45A	Skylar, Fairri	122.72	4	P	PKPdf	15 35 22.4	-0.5
R53A	Hurricane	122.75	358	P	PKPdf	15 35 22.3	-0.7
LENM	Lemitar	122.78	22	ePKPdf	PKPdf	15 35 23.3	-0.2
R47A	Woolly Knot Far	122.80	2	P	PKPdf	15 35 22.0	-1.1
R58B	Mineral	122.83	354	P	PKPdf	15 35 22.0	-1.1

R49A	Shelbyville	122.83	1	P	PKPdf	15 35 21.8	-1.4
R50A	Paris	122.84	360	P	PKPdf	15 35 21.8	-1.4
R54A	Vicksburg	122.85	357	P	PKPdf	15 35 21.8	-1.5
WCI	Wyandotte Cave	122.87	2	P	PKPdf	15 35 21.9	-1.3
BNNI	Barren Site	122.91	22	ePKPdf	PKPdf	15 35 23.4	-0.4
TUC	Tucson	122.93	27	ePKPdf	PKIKP	15 35 24.2	+0.3
TUC	Tucson	122.93	27	ePKIKP	PKIKP	15 35 24.2	+0.3
TUC	Tucson	122.93	27	P	PKPdf	15 35 22.6	-1.1
S42A	Caledonia	123.04	6	P	PKPdf	15 35 22.0	-1.6
S41A	Jillico Farms,	123.12	7	P	PKPdf	15 35 22.3	-1.5
SIUC	Southern Illin	123.23	5	ePKPdf	PKPdf	15 35 22.8	-1.2
S44A	Carbondale	123.25	5	P	PKPdf	15 35 23.0	-1.0
S43A	Fulton Ridge,	123.31	5	P	PKPdf	15 35 23.1	-1.0
S45A	Carrier Mills	123.31	4	P	PKPdf	15 35 23.1	-1.0
S49A	Springfield	123.33	1	P	PKPdf	15 35 22.8	-1.3
S46A	Don Dixon Farm	123.36	3	P	PKPdf	15 35 23.3	-0.9
S50A	Richmond	123.45	360	P	PKPdf	15 35 23.2	-1.2
S48A	Wiedeman Farm,	123.45	2	P	PKPdf	15 35 23.3	-1.1
SS1A	Beattyville	123.48	359	ePKPdf	PKPdf	15 35 23.4	-1.1
SS1A	Beattyville	123.48	359	P	PKPdf	15 35 23.3	-1.1
S47A	Hartford	123.48	2	P	PKPdf	15 35 23.3	-1.1
T43A	Greenville	123.77	6	P	PKPdf	15 35 23.9	-1.1
BLA	Blacksburg	123.78	356	P	PKPdf	15 35 23.9	-1.2
T58A	Grand View Acr	123.90	354	P	PKPdf	15 35 24.6	-0.6
T55A	Pulaski	123.90	356	P	PKPdf	15 35 24.5	-0.8
121A	Cookes Peak, D	123.94	24	P	PKPdf	15 35 25.2	-0.5
T56A	Rocky Mt	123.94	356	P	PKPdf	15 35 24.9	-0.5
T48A	Bowling Green	123.98	2	P	PKPdf	15 35 24.6	-0.6
T46A	Princeton	123.99	3	P	PKPdf	15 35 25.0	-0.4
T54A	Tazewell	124.00	357	P	PKPdf	15 35 24.7	-0.9
T52A	Hallie	124.00	359	P	PKPdf	15 35 24.7	-0.8
T49A	Edmonton	124.01	1	ePKPdf	PKPdf	15 35 24.7	-0.8
T49A	Edmonton	124.01	1	P	PKPdf	15 35 24.7	-0.8
PBMO	Poplar Bluff	124.06	6	ePKPdf	PKPdf	15 35 24.1	-1.5
T47A	Sharon Grove	124.08	3	ePKPdf	PKPdf	15 35 23.6	-2.1
T47A	Sharon Grove	124.08	3	P	PKPdf	15 35 24.6	-1.0
T50A	Marion	124.10	0	P	PKPdf	15 35 24.8	-0.9
HHAR	Hobbs	124.11	9	ePKPdf	PKPdf	15 35 23.4	-2.3
T51A	Gray	124.16	360	P	PKPdf	15 35 24.8	-1.0
TUL1	Leonard	124.17	11	ePKPdf	PKPdf	15 35 24.6	-1.2
TUL1	Leonard	124.17	11	P	PKPdf	15 35 24.5	-1.3
U40A	Yellville	124.20	8	P	PKPdf	15 35 24.8	-1.1
U41A	Viola	124.23	7	P	PKPdf	15 35 25.0	-1.1
MSTX	Muleshoe	124.33	18	P	PKPdf	15 35 25.6	-0.7
319A	Beulah	124.35	36	ePKPdf	PKPdf	15 35 25.2	-1.3
U58A	Oxford	124.47	254	P	PKPdf	15 35 25.9	-0.4
U55A	TA2, Sparta	124.53	357	P	PKPdf	15 35 25.8	-0.8
TZTN	Wellsville	124.57	359	P	PKPdf	15 35 25.9	-0.7
U48A	Cassie Pea, Po	124.58	2	P	PKPdf	15 35 25.9	-0.7
U49A	Red Boiling Sp	124.60	1	P	PKPdf	15 35 25.6	-1.1
U47A	Clarksville	124.62	3	P	PKPdf	15 35 25.9	-0.7
U46A	Springville	124.65	4	P	PKPdf	15 35 26.4	-0.4
WMOK	Wichita Mounta	124.67	14	ePKPdf	PKPdf	15 35 25.9	-1.0
WMOK	Wichita Mounta	124.67	14	ePKIKP	PKPdf	15 35 25.9	-1.0
WMOK	Wichita Mounta	124.67	14	P	PKPdf	15 35 25.7	-1.2
U50A	Waverly	124.71	0	P	PKPdf	15 35 25.6	-1.3
U53A	Fall Branch	124.73	358	P	PKPdf	15 35 26.3	-0.6
WVT	Waverly	124.90	3	ePKPdf	PKPdf	15 35 26.6	-0.6
WVT	Waverly	124.90	3	ePKIKP	PKPdf	15 35 26.6	-0.6
WVT	Waverly	124.90	3	P	PKPdf	15 35 26.6	-0.6
V59A	Middlesex	125.04	354	P	PKPdf	15 35 26.9	-0.5
V57A	Coltrane Farms	125.06	355	P	PKPdf	15 35 26.5	-1.0
V55A	Taylorville	125.18	357	P	PKPdf	15 35 26.8	-0.9
V56A	Mocksville	125.18	356	P	PKPdf	15 35 26.8	-0.9
W39A	Magazine	125.20	9	ePKPdf	PKPdf	15 35 26.7	-1.1
W39A	Magazine	125.20	9	P	PKPdf	15 35 26.7	-1.1
V46A	Holladay	125.21	4	P	PKPdf	15 35 26.9	-1.0
V47A	Nunnely	125.22	3	P	PKPdf	15 35 26.3	-1.5
V52A	Sevierville	125.27	359	ePKPdf	PKPdf	15 35 27.1	-0.9
V52A	Sevierville	125.27	359	P	PKPdf	15 35 26.9	-1.1
V51A	Nebo	125.29	360	P	PKPdf	15 35 26.9	-1.1
V54A	Loudon	125.32	358	P	PKPdf	15 35 27.0	-1.1
WHAR	Woolly Hollow	125.32	8	ePKPdf	PKPdf		



4d 15h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and various flags. Includes stations like DBBC Dabeiba, TRQA Torquist, CPUP Aquidauana, etc.

IDC 04 15:28:41.8-600.0,55.47N,0.04E,h0km, Error ellipse: s-maj=340.0km s-min=194.1km az=112.0, North Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and various flags. Includes stations like I32RU FREYUNG INFRAS10.69 123 i, I36DE DUBNA INFRASO2.62 71 i, etc.

IDC 04 15:30:59.5-10.0,11.20S,-164.71E,h0km,mb3.5/3, mb1 3.6/3,mb1mx3.3/36,mbtmp3.4/3, Error ellipse: s-maj=322.5km s-min=58.9km az=124.0,Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and various flags. Includes stations like WRA Warramunga Arr, ASAR Ale Springs, MKAR Makanchi Array, etc.

BUIJ 04 15:44:25.5,39.70N,73.70E,h30km,mb4.2/9,ML4.4/6 MOS 04 15:44:27.1,5.39,62N,73.80E,h33km,mb4.3/8, Error ellipse: s-maj=7.4km s-min=5.2km az=87.2

IDC 04 15:44:27.1,4.0,39.59N,73.92E,h32km,mb3.6/18, mb1 3.8/24,mb1mx3.7/63,mbtmp3.8/24,ML3.3/7, Error ellipse: s-maj=21.5km s-min=11.1km az=179.0

KRNET 04 15:44:28.6,1.3,39.96N,73.64E,h0km,mb4.7,mpv4.4, Error ellipse: s-maj=11.2km s-min=6.0km az=165.0

SOME 04 15:44:29.1,40.12N,73.53E,h10km,MS3.6 NEIC 04 15:44:29.4,0.9,39.61N,73.75E,h43km,10km,mb4.1/11, Error ellipse: s-maj=13.5km s-min=6.1km az=100.0

ISC 04 15:44:28.5-0.8,39.74N,0.003,73.56E,0.02,h29km,5km, n185,az01/228,mb3.9/27,40-27D,Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and various flags. Includes stations like ARSB Arslanbob, KSH Kashi, ARKS Aral, etc.

2013 APR

Main table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and various flags. Includes stations like AAK 172nm,0.7s, AAK Ala-Archa, MRKS Karatay Array, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and various flags. Includes stations like MDOK Medeo, MDOK Karatobulak, MDOK Boroday, etc.

BVAR	Borovoye Array	13.47 352	Pn	Pn	15 47 35.4	-2.1
BVAR	comp=Z,0.3nm,0.3s,baz=158,slow=12,SNR=7.6					
BVAR	comp=Z,0.2nm,0.3s,baz=159,slow=22,SNR=3.1					
BRVK	Borovoye	13.51 352	ePn	Pn	15 47 37.5	-0.6
BRVK	comp=Z,6.8nm,0.5s					
BRVK	Borovoye	13.51 352	eP	Pmax	15 47 39.1	+1.0
BRVK	comp=Z,7.0nm,0.7s					
AB31	Akbulak array	13.58 319	iP	Pn	15 47 39.3	+0.3
AB31	comp=Z,4.5nm,0.7s,baz=126,slow=18,SNR=5.1					
AB31	comp=Z,2.0nm,0.5s,baz=120,slow=26,SNR=3.7					
AB31	Akbulak array	13.58 319	iP	Pn	15 47 39.3	+0.3
AB31	comp=Z,2.0nm,0.5s					
ABKAR	Akbulak array	13.58 319	ePn	Pn	15 47 39.4	+0.3
DGZ	Jazzator, Alta	13.99 40	iP	Pn	15 47 47.4	+2.6
AKTO	Aktyubinsk	15.29 319	Pn	Pn	15 48 02.7	+0.5
AKTO	comp=Z,0.4nm,0.3s,baz=80,slow=14,SNR=5.7					
AKTO	comp=Z,0.1nm,0.3s,baz=147,slow=14,SNR=1.4					
AKTO	Aktyubinsk	15.29 319	iP	Pn	15 48 03.3	+1.0
AKTO	comp=Z,7.2nm,0.9s					
AKTO	comp=Z,4.9nm,0.8s					
ZAA0	Zalesovo Array	16.13 25	ePn	Pn	15 48 13.4	+0.4
ZALV	Zalesovo Beam	16.13 25	Pn	Pn	15 48 11.6	-1.4
ZALV	comp=Z,0.2nm,0.3s,baz=209,slow=11,SNR=7.1					
ZALV	comp=Z,0.2nm,0.3s,baz=202,slow=22,SNR=2.6					
ZALV	comp=Z,0.2nm,0.3s,baz=220,slow=24,SNR=2.6					
ZALV	Zalesovo Beam	16.13 25	ePn	Pn	15 48 13.4	+0.4
LSA	Lhasa	17.56 119	ePn	Pn	15 48 29.0	-2.6
LSA	comp=Z,2.6nm,0.8s					
LSA	Lhasa	17.56 119	eP	Pmax	15 48 29.0	-2.6
ARU	Arti	19.40 334	eP	Pn	15 48 54.1	+0.8
ARU	comp=Z,6.8nm,1.1s					
ARU	Arti	19.40 334	iP	Pn	15 48 54.5	+1.2
ARU	comp=Z,5.4nm,0.8s					
GTA	Gaotai	20.22 82	eP	Pn	15 49 00.3	-0.9
GTA	comp=Z,3.0nm,1.0s					
TBLG	Delisi	21.89 285	eP	P	15 49 20.8	+1.7
TBLG	comp=Z,6.4nm,0.6s					
TBLG	Delisi	21.89 285	eP	P	15 49 20.8	+1.7
TBLG	comp=Z,6.0nm,0.6s					
GNI	Garni	22.06 280	P	P	15 49 22.4	+1.3
GNI	comp=Z,2.7nm,0.4s,baz=90,slow=18,SNR=1.9					
GNI	Garni	22.06 280	eP	P	15 49 22.7	+1.6
GNI	comp=Z,8.2nm,0.8s					
GNI	Garni	22.06 280	iP	Pmax	15 49 25.4	+4.3
GNI	comp=Z,1.4nm,1.0s					
MOY	Mondy	22.42 49	eP	P	15 49 24.8	0.0
MOY	comp=Z,1.3nm,2.2s					
KBZ	Khabaz	23.16 290	P	P	15 49 35.0	+2.6
KBZ	comp=Z,1.5nm,0.9s,baz=96,slow=10,SNR=2.9					
KBZ	Khabaz	23.16 290	P	P	15 49 35.2	-2.0
KBZ	comp=Z,0.4nm,0.4s,baz=205,slow=22,SNR=1.5					
KVAR	Kislovodsk Arr	23.30 291	P	P	15 49 35.5	+1.5
KVAR	comp=Z,1.4nm,0.3s,baz=105,slow=16,SNR=2.3					
KIV	Kislovodsk	23.31 291	eP	P	15 49 34.1	0.0
KIV	comp=Z,3.6nm,1.0s					
KIV	Kislovodsk	23.31 291	eP	Pmax	15 49 39.1	+5.0
KIV	comp=Z,1.3nm,0.9s					
ZAK	Zakamensk	23.53 53	eP	Pmax	15 49 32.1	-2.6
ZAK	comp=Z,3.0nm,1.0s					
TLY	Talaya	23.98 50	eP	P	15 49 39.8	-0.5
TLY	comp=Z,9.4nm,1.7s					
TLY	Talaya	23.98 50	eP	P	15 49 39.8	-0.5
TLY	comp=Z,9.0nm,1.7s					
LZH	Lanzhou	24.11 89	eP	P	15 49 39.0	-2.9
LZH	comp=Z,0.9nm,0.6s,baz=235,slow=8.7,SNR=9.2					
LZH	Lanzhou	24.11 89	eP	P	15 49 50.6	-4.9
LZH	comp=Z,0.9nm,0.6s,baz=235,slow=8.7,SNR=9.2					
LZH	Lanzhou	24.11 89	eP	P	15 50 56.2	+4.9
LZH	comp=Z,0.9nm,0.6s,baz=235,slow=8.7,SNR=9.2					
SONM	Songino Array	24.90 60	P	Pn	15 50 14.3	+2.9
SONM	comp=Z,0.9nm,0.7s,baz=262,slow=11,SNR=6.5					
ULN	Ulanbaatar	25.34 60	eP	P	15 49 53.5	+0.6
ULN	comp=Z,3.3nm,0.4s					
ULN	Ulanbaatar	25.34 60	eP	Pmax	15 49 55.4	+2.5
ULN	comp=Z,6.0nm,1.7s					
KMI	Kunming	28.46 112	P	P	15 50 20.2	-1.1
HHC	Hu-ho-hao-Te	28.86 75	eP	P	15 50 22.9	-1.6
BRTR	Keskin Array B	30.53 263	P	P	15 50 41.1	+1.7
BRTR	comp=Z,1.0nm,1.0s,baz=81,slow=7.9,SNR=4.1					
AKASG	Malin Array Be	32.64 305	P	P	15 50 57.9	+0.3
AKASG	comp=Z,0.4nm,0.4s,baz=82,slow=6.7,SNR=4.6					
FIAT	FINESS Array S	36.02 323	eP	P	15 51 27.5	+0.8
FIAT	comp=Z,1.7nm,0.6s,baz=117,slow=10,SNR=11					
FINES	FINESS Array B	36.02 323	eP	P	15 51 27.9	+1.2
FINES	comp=Z,1.7nm,0.6s,baz=117,slow=10,SNR=11					
FINES	FINESS Array B	36.02 323	eP	P	15 51 30.2	+3.5
PSZ	Piszkesteto	38.88 300	eP	P	15 51 52.2	+0.9
PSZ	comp=Z,0.4nm,0.9s					
PSZ	Piszkesteto	38.88 300	eP	Pmax	15 51 52.2	+0.9
PSZ	comp=Z,3.0nm,0.9s					
ARCES	ARCESS Array B	38.98 335	P	P	15 51 52.4	+0.7
ARCES	comp=Z,1.9nm,0.6s,baz=90,slow=8.7,SNR=9.2					
ARCES	ARCESS Array B	38.98 335	eP	P	15 51 52.6	+0.9
ARCES	comp=Z,1.9nm,0.6s,baz=90,slow=8.7,SNR=9.2					
AREO	ARCESS Array S	38.98 335	eP	P	15 51 52.4	+0.6
AREO	comp=Z,4.1nm,1.8s					
VYHS	Vyhne	39.50 301	eP	P	15 51 57.1	+0.8
VYHS	comp=Z,1.9nm,0.6s,baz=92,slow=7.9,SNR=4.6					
VYHS	Vyhne	39.50 301	eP	P	15 51 57.1	+0.8
VYHS	comp=Z,1.9nm,0.6s,baz=92,slow=7.9,SNR=4.6					
ZST	Bratislava	40.69 301	eP	P	15 52 07.4	+1.2
ZST	comp=Z,0.4nm,0.5s,baz=82,slow=7.9,SNR=2.9					
ZST	Bratislava	40.69 301	eP	P	15 52 07.4	+1.2
ZST	comp=Z,0.4nm,0.5s,baz=82,slow=7.9,SNR=2.9					
KLR	Kul'dur	41.64 57	P	P	15 52 11.3	-2.7
KLR	comp=Z,0.9nm,0.4s,baz=276,slow=5.8,SNR=6.8					
TIXI	Tiksi	42.01 23	P	P	15 52 20.3	+3.6
TIXI	comp=Z,0.9nm,0.4s,baz=276,slow=5.8,SNR=6.8					
TIXI	Tiksi	42.01 23	eP	P	15 52 24.9	+1.4
TIXI	comp=Z,0.9nm,0.4s,baz=276,slow=5.8,SNR=6.8					
GERES	GERESS Array S	42.80 303	eP	P	15 52 24.9	+1.4
GERES	comp=Z,0.9nm,0.6s,baz=99,slow=7.3,SNR=7.3					
GEAO	GERESS Array S	42.80 303	eP	P	15 52 24.2	+0.7
GEAO	comp=Z,0.9nm,0.6s,baz=99,slow=7.3,SNR=7.3					
CLL	Collm	42.81 306	iP	P	15 52 24.4	+0.9
CLL	comp=Z,3.0nm,1.0s					
CLL	Collm	42.81 306	iP	P	15 52 37.2	
CLL	comp=Z,3.0nm,1.0s					
NB2	NORSAR Subarra	43.08 321	P	P	15 52 25.9	+0.3
NB2	comp=Z,1.9nm,0.6s,baz=90,slow=8.6					
NORSA	NORSAR Array B	43.08 321	P	P	15 52 25.9	+0.3
NORSA	comp=Z,0.9nm,0.6s,baz=90,slow=7.9,SNR=4.6					
MJAR	Matsushiro Arr	49.96 72	P	P	15 53 16.6	-3.3
MJAR	comp=Z,1.9nm,0.7s,baz=92,slow=7.9,SNR=3.5					
TOAD	Torodi Ar. Sit	67.81 269	eP	P	15 55 23.5	-0.5
TORD	Torodi Ar. Bea	67.81 269	eP	P	15 55 23.0	-1.0
TORD	comp=Z,1.8nm,0.9s,baz=42,slow=6.3,SNR=7.6					
ILAR	Eielson Array	71.17 17	P	P	15 55 41.5	-2.1
ILAR	comp=Z,0.3nm,0.3s,baz=347,slow=5.8,SNR=7.9					
YKA	Yellowknife Ar	79.90 4	P	P	15 56 21.3	-1.8
YKA	comp=Z,0.3nm,0.3s,baz=347,slow=5.8,SNR=7.9					
WRA	Warramunga Arr	82.05 124	P	P	15 56 42.7	-3.5
WRA	comp=Z,0.9nm,0.6s,baz=92,slow=4.9,SNR=5.0					
ASAR	Alice Springs	84.51 127	P	P	15 56 55.0	-3.8
ASAR	comp=Z,0.3nm,0.6s,baz=306,slow=4.7,SNR=3.1					

mb1 3.3/4, mb1mx3.0/5.4, mbtmp3.2/4, ML2.5/3, Error ellipse: s-maj=71.7km s-min=25.9km az=161.0  
 JMA 04 15:44:31.1±1.1, 42:87N:139:21E, h34km,2km, M3.1  
 ISC 04 15:44:31.1±1.1, 42:88N:0:06:139:20E:0:04, h23km,15km,  
 n12, c1870/20, Hokkaido region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
JSH	Shimam	0.67	111	Op	ISC	15 44 44.0	0.0
JSH	Shimam	0.67	111	eS	Pb	15 44 52.2	-0.6
JHST	Hiyamasetana	0.68	132	P	Sb	15 44 44.3	+0.1
JHST	Hiyamasetana	0.68	132	eS	Pb	15 44 52.9	-0.2
JOSM	Okushiri-Mats	0.82	165	P	Sb	15 44 46.1	-0.6
JOSM	Okushiri-Mats	0.82	165	eS	Pb	15 44 56.2	-1.1
JSK	Shakotan	1.05	63	eS	Pb	15 44 49.5	-0.7
JSK	Shakotan	1.05	63	P	Sb	15 45 02.6	-1.6
JYM2	Yakumo 2	1.15	131	P	Pn	15 44 51.4	-0.4
JYM2	Yakumo 2	1.15	131	eS	Pn	15 45 05.7	-1.1
JNR	Noboribetsu	1.42	106	P	Pb	15 44 55.5	+0.1
JNR	Noboribetsu	1.42	106	P	Pb	15 44 59.2	-1.1
JISS	Shirikishi	1.63	146	P	Pb	15 45 00.0	+1.1
JISS	Shirikishi	1.67	76	eS	Sb	15 45 21.2	-0.6
ASAJ	Asahikawa	2.77	62	Pn	Pn	15 45 15.1	+1.2
ASAJ	comp=Z,0.5nm,0.3s,baz=245,slow=19,SNR=1.7						
ASAJ	Asahikawa	2.77	62	Pn	Pn	15 45 45.0	-1.5
ASAJ	comp=Z,0.7nm,0.3s,baz=320,slow=12,SNR=1.7						
USRK	Ussuriysk Ar	5.40	287	Pn	Pn	15 45 50.4	+0.2
USRK	comp=Z,0.3nm,0.3s,baz=98,slow=39,SNR=5.8						
USRK	Ussuriysk Ar	5.40	287	Pn	Pn	15 46 47.2	-4.4
USRK	comp=Z,0.1nm,0.3s,baz=113,slow=22,SNR=1.7						
KYRS	Korea Array	10.19	242	Pn	Pn	15 46 59.5	+3.7
KYRS	comp=Z,0.4nm,0.3s,baz=52,slow=14,SNR=6.8						
YKA							



Table with columns: WHF, TDCB, TWT, WHP, WHP, ENTT. Includes station names like Renai, Hehuan Shan, Taichung City, Nioudou and their respective coordinates and times.

TAP 04 17:05:27.3,24:29N,121:44E,h11km,1km,ML1.1,A,

Main table for TAP 04 17:05:27.3,24:29N,121:44E,h11km,1km,ML1.1,A. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, and ISC.

PGC 04 17:15:58.8,0.6,61:47N,140:76W,h1km,ML2.0/10, 191km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada, Southern Yukon Territory

Main table for PGC 04 17:15:58.8,0.6,61:47N,140:76W,h1km,ML2.0/10. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, and ISC.

PGC 04 17:16:03.8,0.3,61:46N,140:70W,h1km,ML2.1/4, 187km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada, Southern Yukon Territory

Main table for PGC 04 17:16:03.8,0.3,61:46N,140:70W,h1km,ML2.1/4. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, and ISC.

ISK 04 17:19:19.9,37:31N,37:10E,h9km,ML1.5/5

ISCJB 04 17:19:20.5,0.6,37:34N,0:06:37.14E,0:07,h7km,12km, Error ellipse: s-maj=12.1km s-min=5.2km az=41.6

DDA 04 17:19:20.6,1.1,37:32N,0:04:37.14E,0:04,h10km,10km, Error ellipse: s-maj=12.1km s-min=5.2km az=41.6

ISC 04 17:19:20.6,1.1,37:32N,0:04:37.14E,0:04,h10km,10km, Error ellipse: s-maj=12.1km s-min=5.2km az=41.6

Main table for ISK 04 17:19:19.9,37:31N,37:10E,h9km,ML1.5/5. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, and ISC.

ISCJB 04 17:22:10.6,0.5,24:76N,0:03:122:44E,0:03,h94km,4km, Error ellipse: s-maj=4.5km s-min=3.7km az=153.7

JMA 04 17:22:10.4,0.2,24:71N,122:42E,h100km,2km,M1.8

TAP 04 17:22:10.5,24:83N,122:39E,h99km,ML3.1,C

ISC 04 17:22:10.4,1.6,24:77N,0:05:122:44E,0:04,h97km,8km, Error ellipse: s-maj=4.5km s-min=3.7km az=153.7

Main table for ISCJB 04 17:22:10.6,0.5,24:76N,0:03:122:44E,0:03,h94km,4km. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, and ISC.

Main table for TAP 04 17:28:56.9,40:68N,35:32E,h10km,ML2.0/7. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, and ISC.

ISCJB 04 17:28:57.3,0.5,40:66N,0:03:35:35E,0:05,h8km,7km, Error ellipse: s-maj=7.7km s-min=3.8km az=41.8

DDA 04 17:28:57.0,40:70N,35:25E,h7km,1km,ML2.5

ISC 04 17:28:57.1,3,40:67N,0:04:35:31E,0:03,h10km,12km, Error ellipse: s-maj=7.7km s-min=3.8km az=41.8

Main table for ISCJB 04 17:28:56.9,40:68N,35:32E,h10km,ML2.0/7. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, and ISC.

Table with station names and coordinates: KURBS Kurchatov Arra, BVAR Borovoye Array, UCR 04 17:33:50.8±1.5, 15:63N:90:28W, h14km, MD3.7, Guatemala

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like MRL Marmol, MRL Marmol, NCG Las Nubes, etc.

IDC 04 17:39:14.3±0.7, 32:80N:73:10E, h0km, mb4.0/15, mb1.4, 1/20, mb1mx4.0/4.0, mbtmp4.0/20, ML3.7, MS2.9/1, Ms1.2.9/1, ms1mx2.3/4.5, Error ellipse: s-maj=18.7km s-min=13.9km az=50.0

ISCBJ 04 17:39:16.8±0.3, 32:83N:0:03:73:29E±0.04, h33km, mb3.9/14, MS2.7/1, Error ellipse: s-maj=5.9km s-min=2.8km az=150.7

NEIC 04 17:39:16.6±0.2, 32:80N:73:13E, h14km, 11km, mb4.5/3, Error ellipse: s-maj=10.7km s-min=9.2km az=165.0

NDI 04 17:39:18.1±2.5, 32:82N:73:17E, h16km, 88km, ML4.3, mb4.5(NEIC)

NNC 04 17:39:23.4±6.7, 33:49N:72:57E, h0km, mb4.5, Error ellipse: s-maj=57.1km s-min=40.0km az=20.0

ISC 04 17:39:18.7±0.5, 32:83N:0:04:73:12E±0.05, h35km, n55, c256/73, mb3.9/14, 7C-3D, Pakistan

Main table of station data for the 4d 17h period, including station names, coordinates, and phases.

Table with station names and coordinates: BRTR Keskin Array B, AKASO Malin Array Be, FINES FINESS Array B, ARCES ARCESS Array B, NB2 NORSAR Subarra, NOA NORSAR Array B, TORD Torii Air, ILAR Eielson Array, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Ar

JMA 04 17:55:30.8±0.1, 24:44N:122:55E, h87km, 2km, M2.6, ISCBJ 04 17:55:31.1±0.3, 24:48N:0:02:122:58E±0.01, h80km, 4km, Error ellipse: s-maj=3.5km s-min=2.0km az=170.8

TAP 04 17:55:31.2, 24:50N:122:56E, h80km, 1km, ML3.1, C, ISC 04 17:55:31.6±1.3, 24:48N:0:03:122:57E±0.02, h80km, 7km, n93, c067/172, Taiwan region

Main table of station data for the 2013 APR period, including station names, coordinates, and phases.

Main table of station data for the 222 period, including station names, coordinates, and phases.

Table with columns: JIKM, IKMajima, 2.47 79 P, Pn, 17 56 10.3 +0.4, S, Sn, 17 56 38.4 -0.8, S, Sn, 17 56 09.2 -0.8, S, Sn, 17 56 40.4 +1.1, S, Sn, 17 56 11.6 +0.4, S, Sn, 17 56 41.4 -0.2, S, Sn, 17 56 11.9 +0.4, S, Sn, 17 56 43.2 +1.1, S, Sn, 17 56 11.2 -0.4, S, Sn, 17 56 10.6 -1.3, S, Sn, 17 56 41.4 -1.3, S, Sn, 17 56 12.9 -0.1, S, Sn

ISCJB 04 18:27:40.0,0.7,37.32N,0.06,37.12E,0.06,h11km,6km, Error ellipse: s-maj=11.7km s-min=5.3km az=39.7 DDA 04 18:27:39.7,37.33N,37.11E,h6km,1km,ML2.6 ISK 04 18:27:39.4,37.30N,37.09E,h12km,ML1.5/5 ISC 04 18:27:39.7,1.0,37.31N,0.05,37.11E,0.04,h14km,8km, n10,0541/14,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: GAZ Gaziantep, HCB Kahramanmara, KMRS Kahramanmara, AYKD Aykinkavak, GZT Gaziantep, KAMA Osmaniye, KUZU Kuzuzi, KOZT Kozan, DARE Darendemalaty, URFa UrfA

ISCJB 04 18:33:19.7,0.3,37.44N,0.02,7.64W,0.02,h12km,2km, Error ellipse: s-maj=3.0km s-min=2.6km az=139.0 SFS 04 18:33:21.0,37.44N,7.71W,ML2.4,ALCOUTIM (PORTUGAL) MDD 04 18:33:21.5,0.2,37.40N,7.71W,h10km,mbLg2.5/18, Error ellipse: s-maj=3.1km s-min=1.9km az=164.0, PRXIMO

INMG 04 18:33:21.8,1.7,37.40N,7.70W,h2km,3km,ML2.4, Error ellipse: s-maj=2.1km s-min=1.7km az=22.0 CNRM 04 18:33:22.2,37.29N,7.90W,h9km, h9km IIGL 04 18:33:22.1,37.39N,7.71W,h8km,ML2.8 ISC 04 18:33:20.4,0.8,37.40N,0.02,7.70W,0.02,h14km,5km, n69,r112/112,2C-1D,Portugal

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: PVAQ Vaqueiros, EGRO El Granado, PBDV Barranco-do-Ve, PCVE Castro Verde, PBEJ Beja, MORF Marneleto, PTEO Sao Teotonio, EMIN Mina Concepcio, PBAR Barrancos, PFVI Vila Bisbo, PNCL Nicolau / Gran, EVO Evora, BATI Baumata, FITZ Fitzroy Crossi, WRA Warramunge Arr, ASAR Alice Springs, MTE Manteigas, LGE Los Guajares, PVIS Viseu, PAB San Pablo, ESDD Seneca Array, MVO Moncorvo, POLO Lamas de Ole, ZHG ZHG, PBRG Braganca, PGAV Gavieira, ECAL Calabor, MD31 MD31, MDT Midelt

IDC 04 18:45:06.3,7.0,1.96N,127.73E,h250km,70km,mb3.1/6, mb1 3.3/7,mb1mx3.0/54,mbtmp3.9/7, Error ellipse: s-maj=70.5km s-min=15.1km az=65.0, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: PESTR Estremoz, ESPR Estremoz, ESPR Estremoz, PMTG Montargil, PMST Lisbon-Monsan, ALMR Almeirim, ECAB El Cabril, ECAB El Cabril, HORN Hornachuelos, PMAFR Mafrá, PMAFR Mafrá, PMRV Marv???, PMRV Marv???, PMRV Marv???, PTOM Tomar, PTOM Tomar, PCBR Castelo Branco, PCBR Castelo Branco, EMIJ Mijas, EMIJ Mijas, EMAD Adamuz, EADA EADA, PCAS Casimio, Conde, PCAS Casimio, Conde, MTE Manteigas, LGE Los Guajares, PVIS Viseu, PVIS Viseu, PAB San Pablo, PAB San Pablo, EQES Quesada, EQES Quesada, ESDD Seneca Array, MVO Moncorvo, POLO Lamas de Ole, ZHG ZHG, PBRG Braganca, PGAV Gavieira, ECAL Calabor, MD31 MD31, MDT Midelt

IDC 04 18:45:06.3,7.0,1.96N,127.73E,h250km,70km,mb3.1/6, mb1 3.3/7,mb1mx3.0/54,mbtmp3.9/7, Error ellipse: s-maj=70.5km s-min=15.1km az=65.0, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: STKA Stephens Creek, SONM Songino Array, MKAR Makani Array

ISCJB 04 18:47:31.1,0.4,21.72S,0.09,69.04E,0.08,h10km, mb4.2/23,MS4.0/1, Error ellipse: s-maj=12.7km s-min=11.0km az=5.2 IDC 04 18:47:31.2,0.5,21.69S,69.04E,h0km,mb4.1/21, mb1 4.2/21,mb1mx4.0/62,mbtmp4.1/21,MS4.0/1, Ms1 3.9/1,ms1mx3.0/31, Error ellipse: s-maj=16.2km s-min=14.0km az=19.0 NEIC 04 18:47:32.9,0.2,21.72S,69.03E,h10km,mb4.8/3, Error ellipse: s-maj=8.2km s-min=7.0km az=188.0 ISC 04 18:47:33.0,0.5,21.7S,0.1,69.0E,0.1,h10km,n34, o557/28,mb4.2/23, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08N3 Diego Garcia H, H08N1 Diego Garcia H, H08N2 Diego Garcia H, OPO Ambohitrantomp, KMBO Kilima Mbogo, KMBO Kilima Mbogo, LBTB Lobatse, BOSA Bosa, MAW Mawson, MAW Mawson, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, LSA Lhasa, ASAR Alice Springs, WRA Warramunge Arr, WRAB Tennant Creek, STKA Stephens Creek, GSPA South Pole Qui, MKAR Makani Array, BRTR Bratter Array B, VNSA Vanda, KURK Kurchatov, BRVK Borovoye, TORO Toodi Arr, ZALV Zalevnoy Beam, SONM Songino Array, MLR Muntele Rosu, AKASA Malin Array Be, KSAR Wonju Array Be, KSRS Korea Array, MJAR Matsushiro Arr, YKA Yellowknife Arr

NIED 04 18:47:00,33.20N,142.40E,h5km,Mw4.2 Best double couple: M2,09000x1015 NPT1,336,00000,341,00000, 2-114,00000, NP2,3,186,00000,353,00000, 1-71,00000

IDC 04 18:47:48.0,4.0,33.07N,142.60E,h0km,mb4.4/38, mb1 4.5/43,mb1mx4.4/66,mbtmp4.4/43,ML3.3/5,MS3.2/9, Mb1 3.3/9,ms1mx3.0/47, Error ellipse: s-maj=13.1km s-min=10.4km az=115.0 BUJ 04 18:47:48.0,33.10N,142.70E,h25km,mb4.5/30,mb4.9/16, Ms4.1/7,Ms7.4/15

NEIC 04 18:47:49.9,2.7,33.06N,142.58E,h13km,16km,mb4.9/7, Error ellipse: s-maj=7.1km s-min=4.6km az=112.0 ISCJB 04 18:47:50.0,1.2,33.17N,0.03,142.47E,0.04,h21km,8km, mb4.5/66,MS3.6/10, Error ellipse: s-maj=5.8km s-min=4.9km az=21.6 MOS 04 18:47:51.3,1.1,33.22N,142.50E,h3km,mb4.8/21, Error ellipse: s-maj=10.6km s-min=5.2km az=113.1 JMA 04 18:47:52.0,3.0,33.16N,142.42E,h5km,ML4.6 ISC 04 18:47:53.0,0.8,33.17N,0.05,142.54E,0.06,h32km,4km, n164,r148/184,mb4.5/66,MS3.5/10,20C-7D,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include: BSO1 Boso 1, BSO1 Boso 1, JHJ2 Mitsune, JHJ2 Mitsune, JHJC Hachiojimakas, JHJC Hachiojimakas, JHJ Hachiojima 2, JHJ Hachiojima 2, BSO3 Boso 3, BSO3 Boso 3, JMKN Mikurajimanish, BSO4 Boso 4, JFDN Odawara 2, JFDN Fujinaka, JYFN Shimob, JYFN Shimob, TK02 Tokai 2, JAG Ashikaga, JAG Ashikaga, JRY Ryogami san, JRY Ryogami san, JFT Otama, JFT Otama, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MAJO Matsushiro, MAJO Matsushiro, MAT Matsushiro, MAT Matsushiro, MAT Matsushiro, JIE Ise, JIE Ise, JYTA Yamagataniya, JYTA Yamagataniya, JMK Ichinoseki, JMK Ichinoseki, JMW Koiyu, JMW Koiyu, CBJ Chichi jima, CBJ Chichi jima, ERM Erimo, ERM Erimo





IDC 04 18:58:21.1-0.6, 33.781N-7.65E, h0km, mb4.0/25, mb1.4/32, mb1mx4.0/59, mbtmp4.0/32, ML4.0/7, MS3.4/13, Ms1.3/13, ms1mx3.1/55, Error ellipse: s-maj=13.8km s-min=10.4km az=132.0

ISCJB 04 18:58:21.3-0.4, 33.71N-0.04:7.75E:0.03, h10km, mb4.1/30, Error ellipse: s-maj=5.9km s-min=3.3km az=162.5

NEIC 04 18:58:22.5-0.3, 33.77N:7.70E, h10km, mb4.7/4, Error ellipse: s-maj=6.6km s-min=5.0km az=140.0

MED\_RC 04 18:58:22.0-0.7, 33.75N:7.78E, h10km, MW4.4/13, Moment Tensor Solution, Mantle waves: s13 c15, Duration: 1s0 Moment tensor: Scale: 1015Nm, Mw=2.83; 26; Mw=2.63; 23; Mw=0.20; 30; Mw=4.2; 83; Mw=0.48; 17; Mw=0.46; 60; Best double couple: Ms5.24000x1015 Np1.0x83.00000x8.74.00000x1.92.00000x. NP2.0x256.00000x8.16.00000x1.83.00000x. Principal axes: T 5.3000, Plg61.0000, Azm356.0000; N -0.1200, Plg2.0000, Azm62.0000; P -5.1800, Plg29.0000, Azm172.0000; nst1a refers to body waves. nst1a refers to surface waves, cutoff=35s.

LDG 04 18:58:24.9, 33.61N:7.86E, h30km, CRAAG 04 18:58:34.4, 34.57N:7.44E, ML1

ISC 04 18:58:23.1-0.5, 33.28N:0.05:7.70E:0.04, h10km, n127, c254.0/14, mb4.1/30, 6C-5D Northern Algeria

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
					h m s	ISC	
BERT	Berda	1.15	71	P	Pb	18 58 44	-0.3
SYA	Sidi Yaiche	1.26	47	P	Pn	18 58 46	-0.3
KEST	Kesra	2.29	36	Pn	Pn	18 59 02	+1.3
KEST	9.2nm, 0.3s, baz=150, slow=5.2, SNR=46			Pg	Pb	18 59 04	-0.5
KEST	9.2nm, 0.3s, baz=163, slow=11, SNR=48			Lg	Lg	18 59 37	1
ABSA	Djebel Abasia	2.29	356	P	Pn	18 59 04	+1.9
CASM	Ain Smara	2.57	338	P	Pb	18 59 10	+1.5
CKFL	Kef-Lekhal	2.64	343	P	Pn	18 59 08	+2.1
CMAH	Djebel Manchou	2.75	355	P	Pn	18 59 07	+0.3
CKHR	Kef el Ahmar	2.78	321	P	Pb	18 59 17	-1.4
SET	Setif	2.98	322	P	Pb	18 59 15	-1.4
DFRA	Djebel Bou Aff	3.05	331	P	Pn	18 59 13	+1.6
ADJB	Djebel Djouab	4.17	304	P	Pn	18 59 31	+4.1
ABA	Alger-Bouzearea	4.79	309	P	Pn	18 59 39	+4.1
ETRT	Tiaret	5.48	288	P	Pn	18 59 48	+3.0
EBNR	Beni Rached	5.60	297	P	Pn	18 59 58	-2.4
ECHA	Ech Chlef	5.66	295	P	Pn	18 59 50	+2.7
VAE	Valguarnera	6.55	255	Pn	Pn	19 00 00	+0.7
FIGM	FIGM	7.72	259	P	Pn	19 00 16	+0.7
JBK	JBK	8.52	276	P	Pn	19 00 29	+2.3
JBK	JBK			S	Sn	19 02 08	+5.1
PGF	Pioggiola	8.71	6	ePn	Pn	19 00 31	+2.2
PGF	PGF			eS	Sn	19 02 05	-2.7
GOG	Mont Gurugu	8.92	282	P	Pn	19 00 33	+1.5
GOG	GOG			S	Sn	19 02 12	-0.4
SESP	Santiago Espad	9.31	300	P	Pn	19 00 40	+2.9
SESP	SESP			S	Sn	19 02 23	+0.7
LMR	La Moudre	9.48	355	eS	Sn	19 02 29	-3.5
FRF	La Foret Royal	9.70	355	eS	Sn	19 02 27	-4.0
ARF	Arif	10.34	260	P	Pn	19 00 53	+2.0
ARF	ARF			S	Sn	19 02 51	+4.6
MDT	Midelt	10.35	267	Pn	Pn	19 00 52	+0.5
MDT	MDT			S	Sn	19 02 47	+0.1
MDT	Midelt	10.35	267	P	Pn	19 00 53	+1.4
MDT	MDT			S	Sn	19 02 51	+3.9
MTLF	Montlieu	10.37	337	eP	Pn	19 00 59	+7.3
MTLF	MTLF			eS	Sn	19 02 44	-3.4
LCRM	LCRM	10.45	272	P	Pn	19 00 57	+4.0
MD31	MD31	10.46	268	P	Pn	19 00 58	+2.5
MD31	MD31			S	Sn	19 02 53	+2.8
LASF	Ste Croix	10.61	345	eS	Sn	19 02 50	-3.9
EPF	Esparrros	10.80	330	ePn	Pn	19 01 00	+3.0
EPF	EPF			eS	Sn	19 02 55	-2.8
MBDF	Montbardon	10.86	357	eS	Sn	19 02 56	-3.6
ESDC	Sonsecra Array	10.99	305	P	Pn	19 01 01	+0.9
ESDC	1.4nm, 0.3s, baz=122, slow=13, SNR=51			S	Sn	19 03 04	+0.9
ETSF	Etsaut	11.08	327	ePn	Pn	19 01 03	+1.9
ETSF	Etsaut	11.08	327	ePn	Pn	19 01 09	+7.9
ETSF	ETSF			eS	Sn	19 03 01	+6.2
ORIF	Oris-en-Rattie	11.11	353	ePn	Pn	19 01 03	+4.3
VIVF	Saint-Julien	11.21	349	eP	Pn	19 01 10	+7.4
TAM	Tamnassart	11.21	190	P	Pn	19 01 00	-3.4
SJPF	Ste Jean	11.21	345	ePn	Pn	19 01 10	+2.2
SJPF	Ste Jean	11.21	345	ePn	Pn	19 01 15	+7.0
LPG	La Plagne	11.62	357	ePn	Pn	19 01 10	+1.1
LPL	La Plagne	11.64	357	ePn	Pn	19 01 16	+6.9
CAF	Calviac	11.85	340	ePn	Pn	19 01 12	+0.5
CAF	CAF			eS	Sn	19 03 19	-5.2
LF	La Frestale	12.28	336	ePn	Pn	19 01 25	+7.0
LF	LF			eS	Sn	19 03 29	-5.5
PDG	Podgorica	12.46	431	eP	Pn	19 02 14	+5.9
DABV	La Chapelle	12.77	355	ePn	Pn	19 01 31	+6.5
CAVX	Davos/Dischmat	12.99	7	Pn	Pn	19 01 34	+6.6
CAVX	comp=2.210nm, 21.9s, baz=226, slow=38			LR	LR	19 06 42	7
SMF	Signal de Mont	13.08	348	eP	Pn	19 01 36	-3.2
BGF	Bois d'Anglard	13.19	345	ePn	Pn	19 01 31	+1.1
AVF	Avril sur Loir	13.31	347	eP	Pn	19 01 37	-4.6
FETA	Feichten	13.33	9	Pn	Pn	19 01 35	+3.4
ABTA	Abtattersbach	13.36	14	Pn	Pn	19 01 38	-4.4
OBKA	Obir	13.65	20	iPn	Pn	19 01 47	+1.4
MOTA	Miosamal	13.69	10	Pn	Pn	19 01 46	+0.5
HINF	Hinterfeld	13.94	358	eP	Pn	19 01 46	-2.3
MFF	Saint Martin	14.04	337	eP	Pn	19 01 48	-1.3
HAU	Haudompre	14.15	356	eP	Pn	19 01 49	-1.3
BFO	Black Forest	14.44	2	eP	Pn	19 01 55	+0.7
SFTF	Sextfontaines	14.45	353	ePn	Pn	19 01 49	+1.4
CDF	Champ du Feu	14.52	359	ePn	Pn	19 01 54	-0.6
ARSA	Arzberg	14.61	22	ePn	Pn	19 01 49	-0.4
PAGF	Fort de Pagny	14.73	355	eP	Pn	19 01 57	-0.6
MEZF	Maizieres Jvi	14.74	353	ePn	Pn	19 01 52	+1.0
MDVR	Moldovita	15.34	41	iP	Pn	19 02 07	+2.0
GERES	GERES Array B	15.61	15	Pn	Pn	19 02 03	+0.4
GERES	0.2nm, 0.3s, baz=186, slow=12, SNR=6.9			LR	LR	19 09 01	4
LD	La Druittiere	15.82	341	eP	Pn	19 02 11	+1.7
GRR	Gorron	15.84	339	eP	Pn	19 02 11	+1.6
KHC	Kasperske Hory	15.85	14	eP	Pn	19 02 09	-1.0
FLN	La Foliniere	16.07	340	ePn	Pn	19 02 11	-1.2
SGMF	Saint Gilles	16.28	335	eP	Pn	19 02 17	+2.1
SIRR	Siria	16.32	37	iP	Pn	19 02 17	+1.8
GIVF	Givet	16.35	353	eP	Pn	19 02 18	+2.8
BAIF	Baives	16.37	352	ePn	Pn	19 02 18	-1.0
KRUC	Krusov	16.49	21	eP	Pn	19 02 18	+1.7
JAVC	Velka Javorina	16.71	23	eP	Pn	19 02 20	+1.3
NKC	Novy Kostel	16.71	11	eP	Pn	19 02 19	+0.1
VRAC	Vranov	16.77	21	Pn	Pn	19 02 19	-0.6
VRAC	0.1nm, 0.3s, baz=203, slow=13, SNR=3.0			LR	LR	19 08 26	3
VRAC	comp=2.95nm, 19.2s, baz=241, slow=16			LR	LR	19 02 20	+0.1
VRAC	Vranov	16.77	21	eP	Pn	19 02 20	+0.1
VYHS	Vyhne	16.81	26	eP	Pn	19 02 22	+2.2
VYHS	Vyhne	16.81	26	eP	Pn	19 02 24	+0.1
BHGG	BergglessHubel	17.59	13	eP	S	19 02 37	+8.0

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
					h m s	ISC	
VOIR	17.61	44	iP	P		19 02 32	+3.2
DPC	Dobruska-Polom	17.64	18	eP	Pn	19 02 31	+1.3
CLL	Cllo	17.84	11	eS	P	19 02 35	-1.2
TRPA	Tarpa	18.07	34	iP	Pn	19 02 40	-0.1
DOOR	Docpa	18.11	84	P	Pn	19 02 36	+1.9
MLR	Muntele Rosu	18.17	45	P	Pn	19 02 36	+0.9
MLR	0.2nm, 0.3s, baz=214, slow=3.1, SNR=9.8			LR	LR	19 01 41	2
MLR	comp=2.87nm, 20.1s, baz=248, slow=15			LR	LR	19 02 39	+4.3
MLR	Muntele Rosu	18.17	45	iP	Pn	19 02 39	+4.3
BUR	Bucovina Array	19.03	39	iP	Pn	19 02 40	+0.2
BIZ	Bicaz	19.09	41	iP	Pn	19 02 50	+4.1
TESR	Tescani	19.14	43	iP	Pn	19 02 53	+5.7
CFR	Caracul	19.33	48	iP	Pn	19 02 50	+0.9
TORD	Tordai Ar. Bea	21.15	18	P	Pn	19 03 07	-3.0
TORD	0.0nm, 1.0s, baz=18, slow=5, SNR=4.4			LR	LR	19 09 35	4
TORD	7.6nm, 1.0s, baz=5.9, slow=25, SNR=6.2			LR	LR	19 12 30	2
TORD	comp=2.84nm, 18.7s, baz=335, slow=160			LR	LR	19 03 14	+1.4
BRTR	Reskin Array B	21.54	67	P	Pn	19 03 25	0.0
EKA	Eskdalemuir Ar	22.75	344	P	Pn	19 03 25	0.0
EKA	comp=2.1, 2nm, 0.9s, baz=167, slow=7.5, SNR=5.6			P	Pn	19 03 27	-0.9
KIEV	Kiev	23.01	37	eP	Pn	19 03 27	-1.1
AKAS	Mainin Array Be	23.02	37	P	Pn	19 03 29	-1.1
AKAS	3.1nm, 0.5s, baz=233, slow=9.9, SNR=15			P	Pn	19 03 29	-1.1
MMAI	Mount Meron Ar	23.11	84	P	Pn	19 03 29	-1.1
MMAI	3.1nm, 0.7s, baz=277, slow=12, SNR=3.1			P	Pn	19 03 29	-1.1
EIL	Eilat	23.52	93	P	Pn	19 03 32	-0.5
HFS	Haflos	26.56	57	P	Pn	19 04 00	-0.9
HFS	1.0nm, 0.4s, baz=167, slow=7.2, SNR=12			LR	LR	19 14 48	4
NB2	NORSAP Subarra	27.27	4	P	Pn	19 04 05	-1.8
NB2	comp=2.50nm, 21.1s, baz=218, slow=37			P	Pn	19 04 05	-1.8
NOA	NORSAR Array B	27.27	4	P	Pn	19 04 07	+0.1
NOA	comp=2.0, 1nm, 0.3s, baz=188, slow=8.9, SNR=4.7			P	Pn	19 04 07	+0.1
NOA	comp=2.41nm, 21.2s, baz=195, slow=36			LR	LR	19 14 59	3
KBZ	Khabaz	28.95	60	P	Pn	19 04 27	+0.1
DBIC	Dimbokro	29.47	206	P	Pn	19 04 25	-1.5
DBIC	comp=2.2, 3nm, 0.7s, baz=3, slow=8.0, SNR=3.7			P	Pn	19 17 09	3
DBIC	comp=2.91nm, 18.0s, baz=360, slow=38			P	Pn	19 17 09	3
FINES	FINES Array B	30.00	18	P	Pn	19 04 30	-0.9
FINES	comp=2.2, 2nm, 0.3s, baz=234, slow=6.2, SNR=4.0			P	Pn	19 07 37	+0.1
FINES	comp=2.0, 6nm, 0.4s, baz=213, slow=3.0, SNR=7.4			P	Pn	19 17 20	2
FINES	comp=2.101nm, 21.4s, baz=240, slow=38			LR	LR	19 17 30	6
GNI	Garni	30.08	67	LR	LR	19 17 30	6
GNI	comp=2.15nm, 20.0s, baz=35, slow=38			LR	LR	19 17 30	6
ARCES	ARCES Array B	37.06	10	P	Pn	19 05 31	-1.3
ARCES	comp=2.4, 2nm, 0.9s, baz=185, slow=7.0, SNR=10			P	Pn	19 05 31	-1.3
ARCES	comp=2.3, 9nm, 1.0s, baz=191, slow=5.3, SNR=5.7			P	Pn	19 05 54	-0.4
AKTO	Aktubinsk	39.98	50	P	Pn	19 05 57	-0.4
AKTO	comp=2.1, 6nm, 0.5s, baz=274, slow=11, SNR=13			P	Pn	19 06 35	+0.6
SPITS	Spitsbergen Ar	44.56	3	P	Pn	19 07 00	+0.2
SPITS	comp=2.2, 3nm, 0.7s, baz=161, slow=7.9, SNR=7.8			P	Pn	19 07 00	+0.2
BRVK	Brvick	47.66	46	P	Pn	19 07 39	-0.4
KURK	Kurchatov	53.05	49	eP	Pn	19 07 39	-0.4
KURK	comp=2.42nm, 0.6s			P	Pn	19 07 48	+2.1
KSH	Kashi	53.85					

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRAB, ASAR, KSH, SONM, MKAR, STKA, KURK, GEYT, ZALV, BRVK, BRTR, ARCES.

IDC 04 19:52:57.31.4, 2.90N:128.77E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.5/45, mbtmp3.8/6, Error ellipse: s-maj=89.2km s-min=18.3km az=70.0, Halmahera

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

ISCJB 04 20:08:19.8:0.3, 43.81N:0.02:105.24W:0.03, h0km, mb4.0/0, Error ellipse: s-maj=3.6km s-min=3.5km az=160.7

IDC 04 20:08:20.4:0.9, 43.67N:105.35W, h0km, mb3.9/8, mb1 4.0/14, mb1mx3.8/38, mbtmp3.8/14, ML3.2/5, MS3.1/1, Ms1.3/1, ms1mx2.4/49, Error ellipse: s-maj=17.1km s-min=7.9km az=151.0

NEIC 04 20:08:21.5:0.2, 43.78N:105.27W, h0km, ML3.9, Error ellipse: s-maj=3.5km s-min=3.4km az=38.0, Suspected Mining explosion.

NEIC 59 km [37 miles] SSE of Gillette. ANF 04 20:08:21.8:0.8, 43.74N:105.28W, ML4.0/11, Error ellipse: s-maj=13.3km s-min=8.1km az=141.0

ISC 04 20:08:21.4:0.3, 43.82N:0.05:105.28W:0.05, h0km, n94, +1521/94, mb4.1/8, Wyoming

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RSSD, K22A, PWHY, RWNY, LAO, N23A, RLMT, BW06, PD31, GCMT, OGNE, LKWK, HOHW, IMW, FPWV, Q20A, AHID, DGMT, Q24A, BOZ, HWUT, KSCO, EGMT, DLMT, HRY, LRM, MCMT, MDND, BGNE, SDCO, SRU, ECSD, CBKS, HLID, DUG, T25A, MISO, MVCO, WALA, AGMN, BGMN, F10A, CCUT, ANMO.

Table with columns: ANMO, Pg, Pg, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4.

ANF 04 20:12:03.9:0.2, 38.06N:81.71W, ML2.6/27, Error ellipse: s-maj=2.2km s-min=1.4km az=3.0, West Virginia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like R53A, R53A, R54A, R54A, R54A, R52A, Q53A, S55A, Q52A, Q52A, Q54A, S52A, S52A, T55A, T55A, T53A, R55A, R55A, BLA, T52A, P53A, P53A, P53A, R51A, Q55A, P52A, P52A, Q51A, P51A, P51A, P54A, P54A, Q50A, Q50A, P55A, P55A, R50A, R50A, T51A, S50A.

ISCJB 04 20:31:56.7:0.6, 45.37N:0.08:150.97E:0.07, h48km, mb3.8/17, MS3.0/2, Error ellipse: s-maj=13.2km s-min=4.2km az=150.0

SKHL 04 20:32:00.9:0.8, 44.96N:150.94E, h45km, mb5.0/4 JMA 04 20:32:00.2:0.5, 45.47N:150.74E, h30km, M4.5 JMS 04 20:32:01.8:0.9, 45.42N:150.62E, h102km, mb4.5/1, Error ellipse: s-maj=13.0km s-min=10.1km az=53.8

IDC 04 20:32:04.2:3.3, 45.48N:150.61E, h102km, 28km, mb3.6/16, mb1 3.7/20, mb1mx3.5/42, mbtmp3.9/20, MS3.1/1, Ms1.3/1, ms1mx2.3/38, Error ellipse: s-maj=24.6km s-min=16.0km az=164.0

ISC 04 20:31:57.3:0.7, 45.30N:0.10:151.01E:0.07, h48km, n57, +252/90, mb3.9/17, 3D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KUR, KUR, I10CA, ULM, ULM, U15A, NEW, NEW, R11A, WUAP, WMOK, FFC, YBH, TXAR, PLAL, 833A, S51A, V53A, YKA, YKA, YKBS, INK, ILAR, ARAD, ARAS, FIAO, FINES, AKASG, ZAA1, ZALV, SONA0, SONM, MK32, MKAR, ANF, R53A, R53A, R54A, R54A, R54A, R52A, Q53A, S55A, Q52A, Q52A, Q54A, S52A, S52A, T55A, T55A, T53A, R55A, R55A, BLA, T52A, P53A, P53A, P53A, R51A, Q55A, P52A, P52A, Q51A, P51A, P51A, P54A, P54A, Q50A, Q50A, P55A, P55A, R50A, R50A, T51A, S50A, ISCJB, SKHL, JMA, JMS, IDC, ISC, ANF, KUR, KUR, MKAR, RES, YKA.

Table with columns: KUR, AMB, AMB, 20 32 35.1, 20 32 35.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.0, 20 12 29.0 +0.1, 20 12 45.6 -0.1, 20 12 46.3 -0.3, 20 12 30.0 -0.6, 20 12 30.4 -0.9, 20 12 30.4 -1.0, 20 12 50.9 -0.1, 20 12 52.8 +0.5, 20 12 53.9 -0.4, 20 12 32.9 -0.6, 20 12 55.2 0.0, 20 12 55.1 +0.1, 20 13 01.0 +0.3, 20 13 02.8 +0.7, 20 12 37.8 -0.5, 20 12 39.7 -0.5, 20 13 06.7 +0.2, 20 12 41.4 -0.6, 20 13 09.4 -0.4, 20 12 41.5 -0.7, 20 13 08.3 0.0, 20 13 09.7 +0.9, 20 13 10.4 -0.7, 20 13 12.8 -0.7, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.0, 20 12 29.0 +0.1, 20 12 45.6 -0.1, 20 12 46.3 -0.3, 20 12 30.0 -0.6, 20 12 30.4 -0.9, 20 12 30.4 -1.0, 20 12 50.9 -0.1, 20 12 52.8 +0.5, 20 12 53.9 -0.4, 20 12 32.9 -0.6, 20 12 55.2 0.0, 20 12 55.1 +0.1, 20 13 01.0 +0.3, 20 13 02.8 +0.7, 20 12 37.8 -0.5, 20 12 39.7 -0.5, 20 13 06.7 +0.2, 20 12 41.4 -0.6, 20 13 09.4 -0.4, 20 12 41.5 -0.7, 20 13 08.3 0.0, 20 13 09.7 +0.9, 20 13 10.4 -0.7, 20 13 12.8 -0.7, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.0, 20 12 29.0 +0.1, 20 12 45.6 -0.1, 20 12 46.3 -0.3, 20 12 30.0 -0.6, 20 12 30.4 -0.9, 20 12 30.4 -1.0, 20 12 50.9 -0.1, 20 12 52.8 +0.5, 20 12 53.9 -0.4, 20 12 32.9 -0.6, 20 12 55.2 0.0, 20 12 55.1 +0.1, 20 13 01.0 +0.3, 20 13 02.8 +0.7, 20 12 37.8 -0.5, 20 12 39.7 -0.5, 20 13 06.7 +0.2, 20 12 41.4 -0.6, 20 13 09.4 -0.4, 20 12 41.5 -0.7, 20 13 08.3 0.0, 20 13 09.7 +0.9, 20 13 10.4 -0.7, 20 13 12.8 -0.7, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.0, 20 12 29.0 +0.1, 20 12 45.6 -0.1, 20 12 46.3 -0.3, 20 12 30.0 -0.6, 20 12 30.4 -0.9, 20 12 30.4 -1.0, 20 12 50.9 -0.1, 20 12 52.8 +0.5, 20 12 53.9 -0.4, 20 12 32.9 -0.6, 20 12 55.2 0.0, 20 12 55.1 +0.1, 20 13 01.0 +0.3, 20 13 02.8 +0.7, 20 12 37.8 -0.5, 20 12 39.7 -0.5, 20 13 06.7 +0.2, 20 12 41.4 -0.6, 20 13 09.4 -0.4, 20 12 41.5 -0.7, 20 13 08.3 0.0, 20 13 09.7 +0.9, 20 13 10.4 -0.7, 20 13 12.8 -0.7, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.0, 20 12 29.0 +0.1, 20 12 45.6 -0.1, 20 12 46.3 -0.3, 20 12 30.0 -0.6, 20 12 30.4 -0.9, 20 12 30.4 -1.0, 20 12 50.9 -0.1, 20 12 52.8 +0.5, 20 12 53.9 -0.4, 20 12 32.9 -0.6, 20 12 55.2 0.0, 20 12 55.1 +0.1, 20 13 01.0 +0.3, 20 13 02.8 +0.7, 20 12 37.8 -0.5, 20 12 39.7 -0.5, 20 13 06.7 +0.2, 20 12 41.4 -0.6, 20 13 09.4 -0.4, 20 12 41.5 -0.7, 20 13 08.3 0.0, 20 13 09.7 +0.9, 20 13 10.4 -0.7, 20 13 12.8 -0.7, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.0, 20 12 29.0 +0.1, 20 12 45.6 -0.1, 20 12 46.3 -0.3, 20 12 30.0 -0.6, 20 12 30.4 -0.9, 20 12 30.4 -1.0, 20 12 50.9 -0.1, 20 12 52.8 +0.5, 20 12 53.9 -0.4, 20 12 32.9 -0.6, 20 12 55.2 0.0, 20 12 55.1 +0.1, 20 13 01.0 +0.3, 20 13 02.8 +0.7, 20 12 37.8 -0.5, 20 12 39.7 -0.5, 20 13 06.7 +0.2, 20 12 41.4 -0.6, 20 13 09.4 -0.4, 20 12 41.5 -0.7, 20 13 08.3 0.0, 20 13 09.7 +0.9, 20 13 10.4 -0.7, 20 13 12.8 -0.7, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.0, 20 12 29.0 +0.1, 20 12 45.6 -0.1, 20 12 46.3 -0.3, 20 12 30.0 -0.6, 20 12 30.4 -0.9, 20 12 30.4 -1.0, 20 12 50.9 -0.1, 20 12 52.8 +0.5, 20 12 53.9 -0.4, 20 12 32.9 -0.6, 20 12 55.2 0.0, 20 12 55.1 +0.1, 20 13 01.0 +0.3, 20 13 02.8 +0.7, 20 12 37.8 -0.5, 20 12 39.7 -0.5, 20 13 06.7 +0.2, 20 12 41.4 -0.6, 20 13 09.4 -0.4, 20 12 41.5 -0.7, 20 13 08.3 0.0, 20 13 09.7 +0.9, 20 13 10.4 -0.7, 20 13 12.8 -0.7, 20 11 01.3 -11, 20 12 53.1, 21 06 10.0, 20 10 32.6 -1.1, 20 11 02.0, 20 13 05.3, 20 10 34.2 -0.3, 20 10 36.5 -1.0, 20 13 12.4, 20 14 36.0, 20 10 36.6 -3.0, 20 10 39.3 -0.7, 20 10 50.5 -0.8, 20 11 00.4 -1.3, 20 11 29.5 +2.5, 20 15 44.2, 20 12 10.9 +0.2, 20 12 07.3 -2.6, 20 12 32.9 +4.5, 20 12 45.6 -0.4, 20 12 49.2 -0.5, 20 18 30.0, 20 12 51.4 +0.6, 20 14 20.1 +0.8, 20 14 42.7 +0.7, 20 18 37.9 -0.5, 20 18 37.9 -0.5, 20 19 21.1 -0.6, 20 19 21.0 -0.6, 20 20 20.2 -0.5, 20 20 43.7 -0.4, 20 20 43.7 -0.4, 20 20 56.2 -0.3, 20 20 56.2 -0.3, 20 21 20.1 -0.4, 20 21 20.1 -0.4, 20 12 11.3 +1.1, 20 12 15.6 +1.1, 20 12 15.6 +0.6, 20 12 23.3 +0.9, 20 12 30.5 -1.2, 20 12 19.7 +0.3, 20 12 31.5 -0.8, 20 12 36.2 +0.4, 20 12 23.3 +0.2, 20 12 37.9 +0.1, 20 12 25.7 -0.2, 20 12 26.2 +0.2, 20 12 43.1 -0.6, 20 12 27.1 +0.3, 20 12 43.3 -0.1, 20 12 28.1 0.



IDC 04 23:05:30.3-1.2, 28.82N-140.26E, h0km, mb3.6/5, mb1 3.9/6, mb1mx3.5/38, mbtmp3.7/6, ML3.0/1, MS2.8/2, Ms1 2.8/2, ms1mx2.3/42, Error ellipse: s-maj=62.8km s-min=24.3km az=88.0, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MJAR, JNU, KSRS, KLR, H11N2, H11N1, H11N3, WRA, YKA, NOA, BRTR.

JMA 04 23:06:50.6-0.2, 35.14N-140.00E, h72km, 2km, M1.8, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include JKUC, JYUO, BS04, BS03, BS03, BS03, JOD2, JOD2, JVN, JYJ, JRY, JRY, JMKN, JAG, JAG.

IDC 04 23:15:25.5-1.2, 28.78N-140.07E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.5/38, mbtmp3.8/5, ML3.0/1, MS2.7/3, Ms1 2.8/3, ms1mx2.5/31, Error ellipse: s-maj=59.7km s-min=26.3km az=92.0, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MJAR, JNU, KSRS, CMAR, WRA, YKA, NOA, BRTR.

MEX 04 23:20:05.8-0.5, 15.38N-93.60W, h85km, 7km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include PCIG, PCIG, MEX 04 23:22:32.0-0.7, 18.39N-100.97W, h4km, 9km, MD3.8, Guerrero, ARIG, ZIIG, MOIG, CAIG, YAIG, MMIG, TLIG.

SJA 04 23:27:27.0-0.5, 38.42S-69.79W, h235km, 41km, ML4.5, MW4.5

GUC 04 23:27:48.8-0.6, 36.68S-69.82W, h182km, 24km, ML3.7

IDC 04 23:27:48.8-0.9, 36.53S-69.91W, h0km, mb3.9/7, mb1 4.0/11, mb1mx3.9/28, mbtmp3.9/11, ML3.8/4, MS3.2/6, Ms1 3.1/6, ms1mx3.0/22, Error ellipse: s-maj=34.9km s-min=12.1km az=100.0

ISCJB 04 23:27:49.6-0.4, 36.58S-69.77W-0.1, h10km, mb4.0/6, Error ellipse: s-maj=11.7km s-min=4.8km az=175.8

NEIC 04 23:27:52.2-1.6, 36.43S-69.94W, h27km, 13km, mb4.2/3, Error ellipse: s-maj=11.0km s-min=4.6km az=93.0

ISC 04 23:27:50.2-0.5, 36.50S-0.03-70.11W-0.07, h10km, n52, 1881/57, mb4.3/6, 2C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include CCHI, LMEL, CLCH, FCH, GO06, AVIZ, PEL, AAGR, ROCI, ROCH, ARCO, ASAL, PLCA, PLCA, PLCA, AUSP, RTLS, RTLS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include RTCV, CFCV, CFA, CFA, GO04, GO03, GO02, LVC, LVC, PB04, GO09, CPUP, CPUP, PB01, MNMC, USHA, LPAZ, LPAZ, SIV, SIV, QSPA, VVDA, TXAR, DBIC, RAR, BOSA, TOAO, TORD, TOA1, WRI, WRA, MK32, MKAR.

ISCJB 04 23:41:39.3-0.4, 66.56N-0.02-17.74W-0.05, h10km, mb3.7/11, Error ellipse: s-maj=3.3km s-min=3.0km

IDC 04 23:41:39.9-0.7, 66.43N-17.73W, h0km, mb3.7/10, mb1 3.9/15, mb1mx3.6/49, mbtmp3.7/15, ML2.9/4, Error ellipse: s-maj=21.0km s-min=13.7km az=6.0

REY 04 23:41:39.8, 66.62N-17.75W, h15km

ISC 04 23:41:40.5-1.0, 66.49N-0.03-17.76W-0.02, h6km, 6km, n44, 1900/61, mb3.7/11, Iceland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include IGRI, IFLA, IBRE, IHED, ILEI, ISIG, IHLA, IDIM, ISKI, IGIL, IREN, IHRN, IGRS, ISVA, IDYN, IADA, IHVE, IKRE, ISKR, IGRF, IUOK, IASB, IBORG, IGVG, IKAL, IKUD, ISCO.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include NOA, SPITS, HFS, ARCES, FINES, BRTR, ULM, ILAR, MKAR, PDAR, TORD, TXAR.

IDC 04 23:45:04.7-0.6, 66.34N-17.66W, h0km, mb3.9/15, mb1 4.0/21, mb1mx3.9/48, mbtmp3.9/21, ML3.1/5, MS3.7/19, Ms1 3.7/19, ms1mx3.4/40, Error ellipse: s-maj=16.8km s-min=11.3km az=2.0

REY 04 23:45:04.3, 66.64N-17.77W, h15km

ISCJB 04 23:45:05.0-0.4, 66.49N-0.02-17.72W-0.05, h8km, 2km, mb4.1/36, MS3.8/18, Error ellipse: s-maj=3.5km s-min=3.0km az=27.6

NEIC 04 23:45:07.0-0.3, 66.38N-17.71W, h10km, mb4.2/18, Error ellipse: s-maj=9.2km s-min=4.6km az=202.0

ISC 04 23:45:06.1-0.7, 66.45N-0.03-17.77W-0.02, h6km, 4km, n110, 1914/120, mb4.1/36, MS3.7/18, 1D, Iceland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include IGRI, IFLA, IBRE, IHED, ILEI, ISIG, IHLA, IDIM, ISKI, IGIL, IREN, IMEL, IHRN, IGRS, ISVA, IASK, IASK, IDYN, IADA, IHVE, IKRE, ISKR, IGRF, IUOK, IASB, IBORG, IBORG, ISAN, ISCO, SFGM, EKA, NC204, NB000, NAO01, NOA, NOA, SPITS, HFS, ARCES, ARCES, KEV, FIA1, FINES.







5hd 0h

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like SHEL Horse Pasture, BDFB Brasilia, GO02 Mina Guanaco, etc.

2013 APR

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like SJCC San Jacinto, TAU Tasmania Univ, SNZO South Koror, etc.

GTA

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

MEX 05:00:43:13.8:0.3, 16:54N:98:51W, h12kmz,7km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like PNIG Pinotepa, TLIG Tapapa, etc.

IDC 05:00:59:02.8:1.6, 18:91N:108:75W, h0km, mb3.7/8, mb1 4.0/1.1, mb1mx3.8/33, mbtmp3.7/11, ML3.7/3, MS3.3/8, Ms1 3.3/8, ms1mx3.0/29, Error ellipse: s-maj=64.8km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like H06E1 SOCORRO T-PHAS 2.14 266, H06E1 Socorro T, etc.





ANMO	comp=Z,17um,18.0s,baz=166,slow=39	LR	LR	02 10 46.7	
ANMO	Albuquerque	18.40 345	eP	Pn	02 03 01.4 +0.6
ANMO	comp=Z,105nm,0.9s	S	S	02 06 35.2 +5.8	
ANMO	Albuquerque	18.40 345	eP	Pn	02 03 01.8 +1.0
ANMO	comp=Z,134nm,1.1s	Lg	Lg	02 03 02.1 +1.3	
ANMO	Albuquerque	18.40 345	eP	Pn	02 03 02.2 +1.3
TASM	ASL Pad, Albuq	18.40 345	eP	Pn	02 03 02.2 +1.3
TASM	ASL Pad, Albuq	18.40 345	eP	Pn	02 03 02.2 +1.3
WBCY	West Bay, Gran	18.44 80	eP	P	02 03 00.2 -0.7
CCAR	Cane Creek	18.46 24	eP	P	02 03 01.2 +0.1
X40A	Basin Creek Fa	18.58 21	eP	P	02 03 01.6 -0.9
X40A	Basin Creek Fa	18.58 21	eP	P	02 03 01.3 -1.1
BRAL	Brewton	18.62 39	eP	P	02 03 01.0 -1.8
BRAL	Brewton	18.62 39	eP	P	02 03 01.7 -1.1
F50Y	Frank Sound, G	18.64 81	eP	P	02 03 02.4 -0.7
430Y	Crestview	18.65 41	eP	P	02 03 02.7 -0.5
349A	Repton	18.66 39	eP	P	02 03 03.3 -0.1
W39A	Magazine	18.94 18	eP	P	02 03 06.2 -0.1
W39A	Magazine	18.94 18	eP	P	02 03 06.3 0.0
UALR	University of	19.01 21	eP	P	02 03 07.2 0.0
PRVC	Isla de Provid	19.02 99	eP	Pn	02 03 08.2 -0.1
PRVC	Isla de Provid	19.02 99	eP	Pn	02 03 08.2 -0.1
147A	Livingston	19.04 34	eP	P	02 03 06.5 -1.0
147A	Livingston	19.04 34	eP	P	02 03 07.0 -0.5
552A	Lynn Haven	19.05 45	eP	P	02 03 07.6 -0.1
451A	Vernon	19.06 43	eP	P	02 03 07.5 -0.2
TUL1	Leonard	19.12 12	eP	P	02 03 07.5 -0.8
TUL1	Leonard	19.12 12	eP	P	02 03 07.8 -0.6
X18A	Snowflake	19.14 336	eP	Pn	02 03 09.8 0.0
249A	Camden	19.15 37	eP	P	02 03 08.1 -0.6
350A	Dozier	19.23 40	eP	P	02 03 09.9 +0.3
X43A	Marvell	19.34 25	eP	P	02 03 09.9 -0.8
X43A	Marvell	19.34 25	eP	Pn	02 03 11.4 -0.6
148A	Greensboro	19.40 35	eP	P	02 03 11.1 -0.3
W41B	Gary Mavity, V	19.41 21	eP	P	02 03 10.8 -0.7
W41B	Gary Mavity, V	19.41 21	eP	P	02 03 11.2 -0.2
BRU2	Volcan	19.41 113	eP	Pn	02 03 13.6 +0.5
WHAR	Wooly Hollow	19.50 21	eP	P	02 03 12.7 +0.2
W18A	Petrified Fore	19.58 337	eP	Pn	02 03 15.0 0.0
W18A	Petrified Fore	19.58 337	eP	Pn	02 03 15.1 0.0
452A	Marianna	19.58 43	eP	P	02 03 13.4 0.0
351A	Pinckard	19.59 42	eP	P	02 03 13.6 0.0
X16A	Lo Mia Camp, P	19.66 333	eP	Pn	02 03 15.4 -0.6
250A	Grady	19.66 39	eP	P	02 03 14.0 -0.3
250A	Grady	19.66 39	eP	P	02 03 14.2 -0.1
062Z	Marathon	19.78 65	eP	P	02 03 16.3 +0.6
149A	Jones	19.80 37	eP	P	02 03 15.3 -0.5
HHAR	Hobbs	19.91 16	eP	P	02 03 16.4 -0.6
957A	Wimaux	19.95 55	eP	P	02 03 16.4 -1.1
OXF	Oxford	19.96 28	eP	P	02 03 16.9 -0.7
OXF	Oxford	19.96 28	eP	P	02 03 16.9 -0.7
OXF	Oxford	19.96 28	eP	P	02 03 16.0 -1.6
LRAL	Lakeview Retre	20.01 36	eP	P	02 03 17.7 -0.4
LRAL	Lakeview Retre	20.01 36	eP	P	02 03 17.3 -0.8
058A	Arcadia	20.02 57	eP	P	02 03 17.5 -0.7
059Z	Ave Maria	20.02 60	eP	P	02 03 16.6 -1.7
655A	Horseshoe Beac	20.12 351	eP	P	02 03 19.2 0.0
T25A	Trinidad	20.12 351	eP	P	02 03 20.1 +0.6
554A	Perry	20.13 47	eP	P	02 03 19.6 +0.2
352A	Blakely	20.16 42	eP	P	02 03 19.6 -0.1
352A	Blakely	20.16 42	eP	P	02 03 18.8 -0.9
453A	Whigham	20.16 45	eP	P	02 03 19.4 -0.3
453A	Whigham	20.16 45	eP	P	02 03 19.1 -0.6
857A	Zephyrhills	20.24 54	eP	P	02 03 19.2 -1.4
150A	Eclectic	20.25 38	eP	P	02 03 20.3 -0.4
250A	Midway	20.26 40	eP	P	02 03 19.4 -1.5
GLA	Glamis	20.28 324	eP	Pn	02 03 23.0 -0.2
GLA	Glamis	20.28 324	eP	Pn	02 03 23.0 -0.2
GLA	Glamis	20.28 324	eP	Pn	02 03 22.6 -0.6
061Z	Ochoppi	20.29 62	eP	P	02 03 20.9 -0.4
061Z	Ochoppi	20.29 62	eP	P	02 03 20.8 -0.4
958A	Wauchula	20.29 56	eP	P	02 03 20.5 -0.7
U40A	Yellville	20.29 18	eP	P	02 03 20.1 -1.1
HBAR	Harrisburg	20.33 24	eP	P	02 03 21.7 +0.1
X46A	Booneville	20.38 30	eP	P	02 03 21.4 -0.8
Z49A	Columbiana	20.39 36	eP	P	02 03 21.3 -0.9
PAYG	Puerto Ayora	20.52 149	eP	P	02 03 23.4 -0.4
059A	Moore Haven	20.52 58	eP	P	02 03 23.4 -0.3
059A	Moore Haven	20.52 58	eP	P	02 03 22.8 -0.9
353A	Camilla	20.53 44	eP	P	02 03 23.0 +0.1
454A	Quitman	20.54 46	eP	P	02 03 24.0 +0.1
656A	Willston	20.56 51	eP	P	02 03 24.0 -0.1
656A	Willston	20.56 51	eP	P	02 03 23.6 -0.5
WUAZ	Wupatki	20.57 334	eP	Pn	02 03 25.8 -0.9

WUAZ	comp=Z,383nm,1.3s	LR	LR		
WUAZ	Wupatki	20.57 334	eP	Pn	02 03 26.4 -0.2
U41A	Viola	20.58 20	eP	P	02 03 23.6 -0.7
Y48A	Jasper	20.58 34	eP	P	02 03 23.3 -1.0
151A	Opelika	20.61 39	eP	P	02 03 23.8 -0.9
252A	Lumpkin	20.62 42	eP	P	02 03 24.4 -0.3
Y12C	Blythe	20.63 326	eP	Pn	02 03 26.0 +1.1
555A	McAlpin	20.66 48	eP	P	02 03 24.8 -0.3
555A	McAlpin	20.66 48	eP	P	02 03 24.9 -0.3
757A	Oxford	20.69 52	eP	P	02 03 24.3 -1.2
X47A	Russellville	20.70 31	eP	P	02 03 24.3 -1.3
IKP	In-Ko-Pah, Jac	20.74 321	eP	P	02 03 27.0 +0.9
SWSC	Sam W. Stewart	20.77 322	eP	Pn	02 03 28.1 -0.7
Z50A	Ashland	20.78 37	eP	P	02 03 25.9 -0.6
Z50A	Ashland	20.78 37	eP	P	02 03 25.6 -0.9
060Z	West Palm Beac	20.78 60	eP	P	02 03 25.7 -0.8
DWPF	Disney Wildern	20.78 55	eP	P	02 03 26.0 -0.5
DWPF	Disney Wildern	20.78 55	eP	P	02 03 26.1 -0.5
PDMC	Parker Dam,Lak	20.86 327	eP	Pn	02 03 28.8 -1.0
858A	St. Cloud	20.89 55	eP	P	02 03 27.3 -0.3
SDCO	Great Sand Dun	20.89 349	eP	P	02 03 28.3 +0.4
SDCO	Great Sand Dun	20.89 349	eP	P	02 03 28.1 +0.2
GNAR	Goat Hill	20.94 25	eP	P	02 03 28.2 0.0
Y49A	Blount Mountai	20.95 35	eP	P	02 03 27.3 -0.9
Y49A	Blount Mountai	20.95 35	eP	P	02 03 27.4 -0.9
W46A	Michie	20.95 29	eP	P	02 03 27.2 -1.1
959A	Okeechobee	20.96 57	eP	P	02 03 27.7 -0.8
PLAL	Pickwick Lake	20.97 30	eP	P	02 03 27.5 -1.0
455A	Stateville	20.98 47	eP	P	02 03 28.7 +0.1
556A	Lake Butler	21.00 49	eP	P	02 03 27.9 -0.9
TIGA	Tifton	21.01 44	eP	P	02 03 28.6 -0.3
TIGA	Tifton	21.01 44	eP	P	02 03 28.8 -0.2
253A	Americus	21.05 42	eP	P	02 03 29.1 -0.2
253A	Americus	21.05 42	eP	P	02 03 28.8 -0.6
X48A	Hartselle	21.06 33	eP	P	02 03 28.2 -1.3
X48A	Hartselle	21.06 33	eP	P	02 03 27.7 -1.8
BC3	Big Chukawall	21.08 324	eP	P	02 03 31.0 +1.2
MVCO	Mesa Verde	21.08 342	eP	P	02 03 30.9 +1.0
MVCO	Mesa Verde	21.08 342	eP	P	02 03 30.6 +0.7
152A	Waverly Hall	21.08 40	eP	P	02 03 29.5 -0.2
152A	Waverly Hall	21.08 40	eP	P	02 03 28.9 -0.8
MONPZ	Monument Peak	21.10 321	eP	P	02 03 31.2 +1.1
BAR	Barrett	21.11 320	eP	P	02 03 31.6 +1.5
S22A	4UR Ranch, Cre	21.16 346	eP	P	02 03 31.8 +0.9
657A	Interlachen	21.17 51	eP	P	02 03 29.7 -1.0
HALT	Halls	21.17 26	eP	P	02 03 30.7 0.0
859A	Kempfer Cattle	21.18 56	eP	P	02 03 30.3 -0.6
060A	Indiantown	21.18 59	eP	P	02 03 30.4 -0.4
060A	Indiantown	21.18 59	eP	P	02 03 29.8 -1.1
Z51A	Franklin	21.26 38	eP	P	02 03 30.4 -1.2
IRM	Iron Mountain	21.28 325	eP	P	02 03 33.6 +1.7
Y50A	Piedmont	21.35 36	eP	P	02 03 31.9 -0.7
W13A	Huapal Mount	21.36 329	eP	P	02 03 33.8 +0.9
758A	Lake Helen	21.36 53	eP	P	02 03 32.2 -0.6
W47A	Westpoint	21.42 30	eP	P	02 03 31.6 -1.7
355A	Pearson	21.45 46	eP	P	02 03 32.6 -1.1
NEE2	Needles Airpor	21.46 327	eP	P	02 03 35.6 +1.8
X49A	Woodville	21.49 34	eP	P	02 03 32.5 -1.6
PBMO	Poplar Bluff	21.49 23	eP	P	02 03 32.9 -1.2
557A	Orange Park	21.50 50	eP	P	02 03 33.6 -0.6
GLAT	Glass	21.50 26	eP	P	02 03 34.2 0.0
109C	Camp Elliot, M	21.52 320	eP	P	02 03 35.1 +0.7
CPE	Camp Elliot	21.52 320	eP	P	02 03 35.8 +1.4
254A	Abbeville	21.52 44	eP	P	02 03 33.8 -0.7
CBKS	Cedar Bluff	21.54 2	eP	P	02 03 33.8 -0.8
CBKS	Cedar Bluff	21.54 2	eP	P	02 03 33.8 -0.8
CBKS	Cedar Bluff	21.54 2	eP	P	02 03 33.8 -0.8
CBKS	Cedar Bluff	21.54 2	eP	P	02 03 33.5 -1.1
U44A	Portageville	21.54 25	eP	P	02 03 33.5 -1.1
V46A	Holladay	21.62 29	eP	P	02 03 34.3 -2.1
XPFO	Pion Flat	21.62 322	eP	P	02 03 37.3 +1.7
Z52A	Williamson	21.62 40	eP	P	02 03 34.7 -0.8
153A	Fort Valley	21.62 42	eP	P	02 03 34.7 -0.9
PFO	Pinyon Flats O	21.63 322	eP	P	02 03 38.2 +2.5
PFO	Pinyon Flats O	21.63 322	eP	P	02 07 41.1 -2.2
PFO	Pinyon Flats O	21.63 322	eP	P	02 10 22.3
PFO	Pinyon Flats O	21.63 322	eP	P	02 12 34.5
PFO	Pinyon Flats O	21.63 322	eP	P	02 03 36.7 +1.0
PFO	Pinyon Flats O	21.63 322	eP	P	02 07 41.1 -2.2

PFO	Pinyon Flats O	21.63 322	eP	P	02 03 37.1 +1.4
PFO	Pinyon Flats O	21.63 322	eP	P	02 03 37.1 +1.4
PFO	Pinyon Flats O	21.63 322	eP	P	02 03 36.9 +1.0
BELC	Belle Mtn. Jos	21.64 323	eP	P	02 03 35.8 0.0
PARMO	Parmo	21.65 24	eP	P	02 03 35.8 0.0
W48A	Pulaski	21.66 32	eP	P	02 03 34.4 -1.5
456A	Hilliard	21.67 48	eP	P	02 03 35.7 -0.3
456A	Hilliard	21.67 48	eP	P	02 03 36.9 +0.8
U15A	North Rim	21.73 334	eP	P	02 03 38.0 +1.1
Y51A	Rockman	21.74 37	eP	P	02 03 35.3 -1.5
UTMT	University of	21.74 27	eP	P	02 03 37.0 +0.2
S41A	Jillco Farms,	21.77 19	eP	P	02 03 36.0 -1.1
KSCO	Kaye Shedlock	21.79 356	eP	P	02 03 37.5 +0.1
KSCO	Kaye Shedlock	21.79 356	eP	P	02 03 37.2 -0.2
BCIP	Isla Barro Col	21.80 109	eP	P	02 03 34.2 -3.4
BCIP	Isla Barro Col	21.80 109	eP	P	02 03 34.2 -3.4
BCIP	Isla Barro Col	21.80 109	eP	P	02 03 36.4 -1.2
X50B	Fort Payne	21.82 35	eP	P	02 03 36.5 -1.1
ZANG	Zangueanga, Cho	21.86 109	eP	P	02 03 40.6 +2.4
V47A	Nunnally	21.92 30	eP	P	02 03 37.2 -1.6
356A	Blackshear	21.94 47	eP	P	02 03 37.7 -1.3
LDFC	Landfair	21.96 327	eP	P	02 03 41.2 +1.9
W49A	Belvidere	21.99 33	eP	P	02 03 38.4 -1.0
AZU	Azuro	21.99 113	eP	P	02 03 39.7 +0.1
Q24A	Divide	22.02 351	eP	P	02 03 39.8 -0.3
Q24A	Divide	22.02 351	eP	P	02 03 38.9 -0.9
WWT	Waverly	22.02 29	eP	P	02 03 38.9

T46A	Princeton	22.75	27	P	P	02 03 45.8	-1.7
BFCF	Mount Baldy Ra	22.78	321	P	P	02 03 48.4	+0.4
SIUC	Southern Illin	22.78	24	eP	P	02 03 46.4	-1.4
W51A	Cleveland	22.83	35	P	P	02 03 45.8	-2.6
RRX	Edison Barstow	22.84	323	P	P	02 03 48.4	-0.2
ISCO	Idaho Springs	22.91	350	eP	P	02 03 49.5	-0.1
ISCO	Idaho Springs	22.91	350	eP	P	02 03 49.5	-0.1
ISCO	Idaho Springs	22.91	350	eP	P	02 03 49.5	-0.3
X52A	Dahlonega	22.92	38	P	P	02 03 47.8	-1.6
U48A	Cassie Pea, Po	22.94	30	P	P	02 03 47.2	-2.4
S45A	Carrier Mills	23.00	25	P	P	02 03 48.2	-1.9
MWC	Mount Wilson	23.00	321	eP	P	02 03 51.4	+0.9
V50A	Pikeville	23.02	34	P	P	02 03 48.3	-2.1
GSC	Goldstone, Bar	23.04	325	eP	P	02 03 51.6	+0.8
GSC	Goldstone, Bar	23.04	325	eP	P	02 03 51.6	+0.8
SZCU	Shurtz Canyon	23.05	334	eP	P	02 03 51.8	+0.8
T47A	Sharon Grove	23.06	29	eP	P	02 03 49.1	-1.7
T47A	Sharon Grove	23.06	29	eP	P	02 03 48.7	-2.1
MTPU	Mount Pierson	23.08	336	eP	P	02 03 52.0	+0.6
Z55A	Blythe	23.08	43	P	P	02 03 49.3	-1.7
SHPR	Sheep Range	23.10	329	eP	P	02 03 52.3	+0.1
CCUT	Cedar City	23.13	334	eP	P	02 03 52.5	+0.7
Y54A	Tignall	23.14	41	P	P	02 03 49.5	-2.2
156A	Sylvania	23.16	45	P	P	02 03 51.3	-0.5
PCPT	Cooper Cove	23.17	35	eP	P	02 03 50.5	-1.4
Q41A	Truxton	23.18	19	P	P	02 03 50.0	-2.0
DECC	Green Verdugo	23.19	320	P	P	02 03 53.6	+1.4
SHOC	Shoshone, Teco	23.20	326	P	P	02 03 52.9	+0.6
X53A	Estanollee	23.20	39	P	P	02 03 50.6	-1.6
SLM	Saint Louis	23.22	21	eP	P	02 03 51.2	-1.1
SLM	Saint Louis	23.22	21	eP	P	02 03 51.2	-1.1
W52A	Murphy	23.25	37	eP	P	02 03 51.5	-1.2
W52A	Murphy	23.25	37	eP	P	02 03 51.2	-1.5
SNCC	San Nicolas Is	23.29	317	P	P	02 03 52.3	-0.9
R44A	Waltonville	23.29	24	P	P	02 03 51.2	-1.9
U49A	Red Boiling Sp	23.32	32	P	P	02 03 51.0	-2.4
Q42A	Golden Eagle	23.37	20	P	P	02 03 52.2	-1.6
S46A	Don Dixon Farm	23.37	27	P	P	02 03 52.6	-1.2
EDW2	Edwards Air Fo	23.42	322	P	P	02 03 55.2	+0.8
SRU	San Rafael Swe	23.45	340	eP	P	02 03 55.2	+0.4
SRU	San Rafael Swe	23.45	340	eP	P	02 03 55.2	+0.4
MSU	Marysya	23.49	337	eP	P	02 03 56.3	+1.1
Q16A	Castle Valley	23.49	339	eP	P	02 03 56.2	+1.0
T48A	Bowling Green	23.49	30	P	P	02 03 53.3	-1.7
157A	Early Branch	23.51	45	P	P	02 03 54.0	-1.2
V51A	Loudon	23.52	35	eP	P	02 03 53.8	-1.6
V51A	Loudon	23.52	35	eP	P	02 03 53.4	-2.1
USIN	University of	23.62	26	eP	P	02 03 55.7	-0.6
R45A	Skylar, Fairfr	23.65	25	P	P	02 03 55.6	-1.0
Z56A	Williston	23.65	44	P	P	02 03 55.7	-0.9
HODGE	Hodges	23.65	41	eP	P	02 03 55.0	-1.6
S47A	Hartford	23.66	28	P	P	02 03 54.7	-2.0
LRCM	Laurel Mtn Rad	23.66	324	P	P	02 03 58.3	+1.3
TRCU	Three Creeks R	23.67	337	eP	P	02 03 57.6	+0.5
Q43A	New Douglas	23.68	22	P	P	02 03 55.5	-1.3
OGNE	Ogallah	23.68	357	eP	P	02 03 57.0	+0.1
OGNE	Ogallah	23.68	357	eP	P	02 03 57.0	+0.1
OGNE	Ogallah	23.68	357	eP	P	02 03 57.0	+0.1
Y55A	Saluda	23.72	42	P	P	02 03 55.8	-1.5
U50A	Jamestown	23.72	33	P	P	02 03 55.4	-1.9
TKL	Tuckaleechee C	23.74	36	eP	P	02 03 55.9	-1.6
TKL	Tuckaleechee C	23.74	36	eP	P	02 03 56.2	-1.2
TKL	Tuckaleechee C	23.74	36	eP	P	02 03 56.3	-1.2
W53A	Cullowhee	23.74	38	P	P	02 03 56.6	-1.0
BG3	Lake Jocassee	23.76	38	eP	P	02 03 57.0	-0.7
O20A	White River Ci	23.76	346	eP	P	02 03 58.0	+0.2
O20A	White River Ci	23.76	346	eP	P	02 03 58.8	+0.9
X54A	Belton	23.79	40	P	P	02 03 56.8	-1.2
TMUT	Trail Mountain	23.84	339	eP	P	02 03 59.2	+0.5
P17A	Butcher Ranch,	23.85	340	eP	P	02 03 59.6	+0.9
Q44A	Meyer Farm, Va	23.89	23	eP	P	02 03 57.6	-1.2
Q44A	Meyer Farm, Va	23.89	23	eP	P	02 03 57.9	-1.0
P41A	Barry, Barry	23.89	19	P	P	02 03 57.0	-1.9
R46A	Gibson Southern	23.90	26	P	P	02 03 57.5	-1.4
T49A	Edmonton	23.90	31	eP	P	02 03 57.6	-1.5
T49A	Edmonton	23.90	31	eP	P	02 03 57.5	-1.5
V52A	Sevierville	23.97	36	eP	P	02 03 58.7	-1.0
V52A	Sevierville	23.97	36	eP	P	02 03 57.4	-2.3
MPMC	Manual Prospec	23.97	325	P	P	02 04 01.0	+1.1
Y56A	Pelion	23.98	43	P	P	02 03 57.6	-2.1

TPNV	Topopah Spring	23.99	328	eP	P	02 04 00.7	+0.7
TPNV	Topopah Spring	23.99	328	eP	P	02 04 00.7	+0.7
TPNV	Topopah Spring	23.99	328	eP	P	02 04 01.1	+1.1
N23A	Red Feather La	24.03	350	eP	P	02 04 01.1	+0.6
N23A	Red Feather La	24.03	350	eP	P	02 04 00.1	-0.4
P42A	Winchester	24.04	20	eP	P	02 03 59.0	-1.3
P42A	Winchester	24.04	20	eP	P	02 03 58.6	-1.6
Z57A	Bowman	24.07	45	P	P	02 03 59.8	-0.8
ARVC	Arvin	24.09	321	P	P	02 04 02.3	+1.6
S48A	Wiedeman Farm,	24.09	29	P	P	02 03 59.4	-1.4
158A	Hollywood	24.09	46	P	P	02 04 00.8	0.0
U51A	La Follette	24.13	34	P	P	02 03 59.9	-1.2
PSUT	Pine Spring	24.17	334	eP	P	02 04 02.5	+0.7
SBC	South Barbara	24.17	319	P	P	02 04 02.9	+1.4
T50A	Nancy	24.18	32	eP	P	02 03 59.7	-1.9
DAC	Darwin (Calif)	24.19	325	eP	P	02 04 02.5	+0.6
DAC	Darwin (Calif)	24.19	325	eP	P	02 04 02.5	+0.6
RGRS	Roger Stewart	24.19	46	eP	P	02 04 01.4	-0.2
X55A	Gracelyn & Ava	24.20	41	P	P	02 04 01.1	-0.7
BGNE	Belgrade	24.21	5	eP	P	02 04 01.8	0.0
BGNE	Belgrade	24.21	5	eP	P	02 04 00.8	-1.0
Q45A	Warren Harvey,	24.21	24	P	P	02 04 00.7	-1.2
ISA	Isabella, Lake	24.25	323	eP	P	02 04 03.5	+1.2
ISA	Isabella, Lake	24.25	323	eP	P	02 04 04.0	+1.7
W54A	Cherokee Point	24.27	39	P	P	02 04 02.1	-0.4
V53A	Saluda	24.30	37	eP	P	02 04 01.9	-0.8
V53A	Saluda	24.30	37	eP	P	02 04 02.3	-0.5
J5C	Jenkinsville	24.32	42	eP	P	02 04 02.6	-0.2
PAUL	Pauline	24.32	40	eP	P	02 04 02.7	-0.2
NHSC	New Hope	24.32	46	eP	P	02 04 02.5	-0.4
NHSC	New Hope	24.32	46	eP	P	02 04 02.9	0.0
O41A	Passleys Farm,	24.35	18	P	P	02 04 01.4	-1.7
PHWY	Pilot Hill	24.36	351	eP	P	02 04 02.6	-0.9
PHWY	Pilot Hill	24.36	351	eP	P	02 07 43.0	+0.4
P43A	Skaggs, Pawnee	24.36	21	eP	P	02 04 02.7	-0.5
GTBY	Guantanamo Bay	24.38	80	eP	P	02 04 03.1	-0.5
GTBY	Guantanamo Bay	24.38	80	eP	P	02 04 03.1	-0.5
R47A	Wooly Knot Far	24.39	28	P	P	02 04 02.2	-1.3
WCI	Wyandotte Cave	24.44	28	eP	P	02 04 03.3	-0.7
WCI	Wyandotte Cave	24.44	28	eP	P	02 04 03.3	-0.7
WCI	Wyandotte Cave	24.44	28	eP	P	02 04 03.0	-1.0
U52A	Thorn Hill	24.50	35	P	P	02 04 03.1	-1.4
TZTN	Tazewell	24.51	35	eP	P	02 04 04.2	-0.4
TZTN	Tazewell	24.51	35	eP	P	02 04 03.1	-1.5
PKM	McPherson Peak	24.53	320	P	P	02 04 05.7	+0.7
P44A	Sand Creek, Wi	24.53	23	P	P	02 04 03.9	-0.9
S49A	Springfield	24.56	30	P	P	02 04 03.5	-1.5
CWC	Cottonwood Cre	24.58	325	P	P	02 04 07.1	+1.6
X56A	White Oak	24.60	42	P	P	02 04 06.4	-0.8
GRAC	Grapevine Rang	24.60	326	P	P	02 04 06.9	+1.4
T51A	Gray	24.61	34	P	P	02 04 04.4	-1.1
MPU	Maple Canyon	24.63	340	eP	P	02 04 06.0	+0.2
Q46A	CEJHS Indians,	24.65	25	P	P	02 04 04.8	-1.0
Z58A	St. Stephen	24.70	46	P	P	02 04 06.5	+0.2
Y57A	Sumter	24.72	44	P	P	02 04 06.2	-0.2
NLU	North Lily Min	24.73	339	eP	P	02 04 07.2	+0.4
VES	Vestal, Richgr	24.73	322	P	P	02 04 07.4	+0.8
R48A	Northridge Ran	24.78	29	P	P	02 04 05.9	-1.1
R11A	Troy Canyon, C	24.78	331	eP	P	02 04 07.9	+0.7
R11A	Troy Canyon, C	24.78	331	eP	P	02 04 08.6	+1.4
KMSC	Kings Mountain	24.83	40	eP	P	02 04 07.3	-0.1
KMSC	Kings Mountain	24.83	40	eP	P	02 04 07.7	+0.2
N40A	Metcalf, Sal	24.86	17	P	P	02 04 06.6	-1.1
V54A	Nebo	24.88	38	P	P	02 04 07.9	-0.1
N41A	Harden Midland	24.91	18	eP	P	02 04 07.5	-0.6
N41A	Harden Midland	24.91	18	eP	P	02 04 06.4	-1.8
S50A	Richmond	24.91	32	P	P	02 04 07.2	-1.1
SMCC	Simmler	24.92	320	P	P	02 04 09.0	+0.6
U53A	Fall Branch	24.92	37	P	P	02 04 07.8	-0.6
P45A	Graceland, Par	24.92	24	eP	P	02 04 07.5	-0.7
P45A	Graceland, Par	24.92	24	eP	P	02 04 07.4	-0.9
Q47A	Beagle North L	24.97	27	P	P	02 04 07.6	-1.1
O43A	Sugar Creek Fa	25.01	21	P	P	02 04 08.0	-1.0
R49A	Shelbyville	25.02	30	P	P	02 04 07.7	-1.5
RWWY	Rawlins	25.03	348	eP	P	02 04 10.5	+0.9
JLU	Jordanelle	25.10	340	eP	P	02 04 10.6	+0.4
TIN	Tinemaha, Big	25.11	325	P	P	02 04 11.4	+1.3
BLO	Bloomington	25.12	27	eP	P	02 04 09.8	-0.3
BLO	Bloomington	25.12	27	eP	P	02 04 09.8	-0.3
Y58A	Scranton	25.13	45	P	P	02 04 09.9	-0.4
X57A	Johnson Farm,	25.18	43	P	P	02 04 10.6	-0.1
O44A	Mansfield	25.19	22	P	P	02 04 09.8	-1.0
DUG	Dugway, Tooele	25.20	338	eP	P	02 04 11.5	+0.5

DUG	Dugway, Tooele	25.20	338	eP	P	02 04 11.5	+0.5
DUG	Dugway, Tooele	25.20	338	eP	P	02 04 11.5	+0.5
DUG	Dugway, Tooele	25.20	338	eP	P	02 04 11.5	+0.5
DUG	Dugway, Tooele	25.20	338	eP	P	02 04 11.8	+0.9
P46A	Rosedale	25.21	25	P	P	02 04 09.6	-1.3
T52A	Halle	25.23	35	P	P	02 04 10.7	-0.4
VOG	Valley Oaks Go	25.23	323	P	P	02 04 11.9	+0.7

Q51A	Peebles	26.48	31	P	P	02 04 21.0	-1.4
N46A	Monticello	26.49	24	P	P	02 04 21.5	-1.0
K39A	Oelwein	26.49	15	P	P	02 04 21.0	-1.5
KVN	Kaiserville	26.54	329	eP	P	02 04 23.5	+0.3
KVN	Kaiserville	26.54	329	eP	P	02 04 23.5	+0.3
BW06	Boulder Array	26.57	345	eP	P	02 04 23.8	+0.3
BW06	Boulder Array			eP	P	02 07 47.1	-0.4
BW06	Boulder Array	26.57	345	P	P	02 04 23.3	-0.2
PD31	Pinedale Array	26.57	345	eP	P	02 04 23.8	+0.3
PDAR	Pinedale Array	26.57	345	P	P	02 04 23.8	+0.3
PDAR	Pinedale Array			eP	P	02 07 47.0	-0.5
PDAR	Pinedale Array			eP	P	02 12 48.6	
PDAR	Pinedale Array			eP	P	02 15 50.9	
PDAR	Pinedale Array	26.57	345	eP	P	02 04 23.4	-0.1
PDAR	Pinedale Array			eP	P	02 07 47.0	-0.5
PDAR	Pinedale Array			eP	P	02 12 48.6	
HVU	Hansel Valley	26.59	340	eP	P	02 04 24.1	+0.5
HVU	Hansel Valley	26.59	340	eP	P	02 04 24.1	+0.5
ELK	Elko	26.61	335	P	P	02 04 24.7	+0.8
ELK	Elko			eP	P	02 07 48.0	+0.4
ELK	Elko			eP	P	02 12 49.3	
ELK	Elko			eP	P	02 04 24.9	+1.1
ELK	Elko			eP	P	02 07 48.0	+0.4
ELK	Elko			eP	P	02 12 49.3	
ELK	Elko	26.61	335	eP	P	02 04 24.9	+1.1
O48A	Farmland	26.61	27	P	P	02 04 22.3	-1.3
ECSD	EROS Data Cent	26.66	7	eP	P	02 04 23.1	-0.9
ECSD	EROS Data Cent			eP	P	02 04 23.1	-0.9
ECSD	EROS Data Cent			eP	P	02 04 23.1	-0.9
X60A	Albert Glenn T	26.66	45	P	P	02 04 24.0	0.0
K40A	Colesburg	26.68	16	P	P	02 04 22.8	-1.3
R53A	Hurricane	26.68	34	P	P	02 04 23.5	-0.7
W59A	Clinton	26.69	44	P	P	02 04 23.4	-0.9
P50A	Jamesstown	26.71	30	P	P	02 04 23.1	-1.4
M45A	Boilermakers S	26.72	23	P	P	02 04 23.4	-1.1
BLA	Blacksburg	26.75	38	eP	P	02 04 24.9	-0.1
BLA	Blacksburg			eP	P	02 04 24.9	-0.1
BLA	Blacksburg			eP	P	02 04 24.9	-0.1
BLA	Blacksburg			eP	P	02 04 24.5	-0.4
SAO	San Andreas G	26.76	321	eP	P	02 04 25.6	+0.6
SAO	San Andreas G	26.76	321	eP	P	02 04 25.6	+0.6
K41A	Shullsburg	26.82	17	P	P	02 04 24.3	-1.1
WAKR	Walker	26.82	326	eP	P	02 04 26.5	+0.8
T56A	Rocky Mt	26.86	39	P	P	02 04 25.5	-0.4
N47A	Urbana	26.90	26	P	P	02 04 24.9	-1.3
L43A	Garden Prairie	26.90	20	P	P	02 04 25.4	-0.8
HEL	Santa Helena	26.92	111	eP	P	02 04 28.8	+1.7
HEL	Santa Helena	26.92	111	eP	P	02 04 28.8	+1.7
O49A	Covington	26.92	28	P	P	02 04 25.3	-1.1
O49A	Covington	26.92	28	P	P	02 04 25.3	-1.1
P51A	Williamsport	26.97	31	P	P	02 04 25.9	-0.9
P51A	Williamsport	26.97	31	P	P	02 04 25.7	-1.2
RSSD	Black Hills	26.97	355	eP	P	02 04 27.5	+0.4
RSSD	Black Hills			eP	P	02 07 47.9	-0.5
RSSD	Black Hills			eP	P	02 04 27.5	+0.4
RSSD	Black Hills			eP	P	02 07 47.9	-0.5
RSSD	Black Hills	26.97	355	P	P	02 04 27.5	+0.4
AHID	Auburn Hatcher	26.97	343	eP	P	02 04 27.6	+0.5
AHID	Auburn Hatcher			eP	P	02 07 48.1	-0.3
Q52A	Bidwell	26.98	33	P	P	02 04 25.9	-1.0
ZARC	Zaragoza, Cauc	26.98	108	eP	P	02 04 28.5	+1.3
ZARC	Zaragoza, Cauc	26.98	108	eP	P	02 04 28.5	+1.3
CMB	Columbia Colle	27.00	324	eP	P	02 07 48.3	-0.1
CMB	Columbia Colle			eP	P	02 04 28.2	+1.0
CMB	Columbia Colle			eP	P	02 07 48.3	-0.1
YERR	Yerlington	27.07	327	eP	P	02 04 28.1	+0.1
M46A	Old House Fiel	27.08	24	eP	P	02 04 27.4	-0.4
M46A	Old House Fiel	27.08	24	eP	P	02 04 26.9	-0.9
S55A	Lewisburg	27.09	37	P	P	02 04 27.7	-0.3
R54A	Victor	27.10	36	P	P	02 04 27.4	-0.7
CNNC	Cliffs of the	27.10	44	eP	P	02 04 27.3	-0.7
CNNC	Cliffs of the			eP	P	02 04 26.9	-1.1
W60A	Pink Hill	27.11	45	P	P	02 04 27.8	-0.4
JFWS	Jewell Farm	27.11	17	eP	P	02 04 27.9	-0.2
JFWS	Jewell Farm			eP	P	02 07 48.6	+0.1
JFWS	Jewell Farm	27.11	17	eP	P	02 04 27.9	-0.2
JFWS	Jewell Farm			eP	P	02 07 48.6	+0.1
JFWS	Jewell Farm			eP	P	02 04 27.9	-0.2
JFWS	Jewell Farm			eP	P	02 07 48.6	+0.1
J39A	Decorah	27.13	14	P	P	02 04 28.2	0.0

N48A	Decatur	27.16	27	P	P	02 04 27.1	-1.5
V59A	Middlesex	27.18	43	P	P	02 04 28.2	-0.5
SUSD	Milford	27.18	3	P	P	02 04 28.6	-0.1
BMN	Battle Mountai	27.20	332	eP	P	02 04 30.5	+1.4
BMN	Battle Mountai	27.20	332	eP	P	02 07 48.8	-0.1
BMN	Battle Mountai			eP	P	02 04 30.5	+1.4
BMN	Battle Mountai			eP	P	02 07 48.8	-0.1
SMLC	San Martn de	27.21	105	eP	P	02 04 30.5	+1.2
SMLC	San Martn de	27.21	105	eP	P	02 04 30.5	+1.2
O50A	Cable	27.22	29	P	P	02 04 27.8	-1.2
YOTC	Yotoco, Valle	27.25	116	eP	P	02 04 30.8	+1.1
YOTC	Yotoco, Valle	27.25	116	eP	P	02 04 30.8	+1.1
K42A	Prairie Point	27.25	18	P	P	02 04 28.5	-0.8
Q53A	Leroy	27.29	34	P	P	02 04 29.4	-0.4
T57A	Hurricane	27.31	40	P	P	02 04 29.5	-0.4
M47A	Cromwell	27.33	25	P	P	02 04 29.0	-1.1
PNTR	Pine Nut	27.34	327	eP	P	02 04 31.6	+1.2
U58A	Oxford	27.36	41	P	P	02 04 29.9	-0.5
CODC	Agustin Codazz	27.42	102	eP	P	02 04 32.2	+1.0
CODC	Agustin Codazz	27.42	102	eP	P	02 04 32.2	+1.0
J40A	Soldiers Grove	27.43	16	P	P	02 04 29.4	-1.6
REDW	Red Top Meadow	27.46	344	eP	P	02 04 32.2	+0.7
K43A	Burlington	27.50	20	eP	P	02 04 31.9	+0.3
K43A	Burlington	27.50	20	eP	P	02 04 31.3	-0.3
VCNR	Virginia City	27.51	327	eP	P	02 04 33.0	+1.0
SNOW	Snow King Moun	27.53	344	eP	P	02 04 32.7	+0.6
P52A	Corning	27.55	32	P	P	02 04 30.4	-1.7
N49A	Columbus Grove	27.58	28	eP	P	02 04 31.5	-0.8
N49A	Columbus Grove	27.58	28	eP	P	02 04 31.3	-1.0
ACSO	Alum Creek Sta	27.59	30	eP	P	02 04 31.5	-0.9
ACSO	Alum Creek Sta			eP	P	02 04 31.2	-1.1
ACSO	Alum Creek Sta	27.59	30	eP	P	02 04 31.2	-1.1
J41A	Loganville	27.60	17	P	P	02 04 32.2	-0.2
TPAW	Teton Pass	27.60	344	eP	P	02 04 32.4	-0.5
L46A	Euse Claire	27.62	24	P	P	02 04 32.0	-0.7
LOHW	Long Hollow	27.63	344	eP	P	02 04 33.2	+0.3
OTAV	Otavallo	27.63	125	eP	P	02 04 33.1	-0.4
OTAV	Otavallo			eP	P	02 04 33.1	-0.4
OTAV	Otavallo	27.63	125	eP	P	02 04 35.4	+1.8
OTAV	Otavallo	27.63	125	eP	P	02 04 35.4	+1.8
OTAV	Otavallo	27.63	125	eP	P	02 04 33.1	-0.4
R55A	Marlinton	27.66	37	P	P	02 04 32.9	-0.2
I39A	Houston	27.66	14	eP	P	02 04 31.8	-1.3
I39A	Houston	27.66	14	eP	P	02 04 32.3	-0.7
PAHR	Pah Rah Range	27.68	328	eP	P	02 04 34.0	+2.6
CMBC	Cumbal	27.70	123	eP	P	02 04 36.6	+2.5
CMBC	Cumbal	27.70	123	eP	P	02 04 36.6	+2.5
O51A	Pataskala	27.70	31	P	P	02 04 32.0	-1.4
T58A	Grand View Arc	27.72	40	P	P	02 04 33.0	-0.6
PTBC	PUERTO BERRIO	27.73	109	eP	P	02 04 35.8	+1.8
PTBC	PUERTO BERRIO	27.73	109	eP	P	02 04 35.8	+1.8
Q54A	Coxs Mills	27.75	35	P	P	02 04 33.4	-0.5
FXWY	Fox Creek	27.76	344	eP	P	02 04 34.9	+0.8
NORC	Norcasis	27.78	112	eP	P	02 04 36.4	+2.0
NORC	Norcasis	27.78	112	eP	P	02 04 36.4	+2.0
MOOW	Moose Ponds	27.79	344	eP	P	02 04 34.9	+0.5
M48A	Edgerton	27.81	26	eP	P	02 04 34.1	-0.2
M48A	Edgerton	27.81	26	eP	P	02 04 33.3	-1.0
J42A	Columbus	27.81	18	P	P	02 04 33.5	-0.8
U59A	Littleton	27.82	42	P	P	02 04 34.2	-0.3
P53A	Whipple	27.82	33	eP	P	02 04 33.8	-0.7
P53A	Whipple	27.82	33	eP	P	02 04 33.6	-0.9
GCUF	Volcan Galeras	27.92	122	eP	P	02 04 38.0	+1.9
GCUF	Volcan Galeras	27.92	122	eP	P	02 04 38.0	+1.9
I40A	Norwalk	27.92	16	P	P	02 04 34.7	-0.7
N50A	Nevada	27.93	29	P	P	02 04 34.1	-1.3
AFDM	Forest Hills D	27.97	325	eP	P	02 04 37.5	+1.6
IMW	Indian Meadow	27.98	344	eP	P	02 04 36.8	+0.7
IMW	Indian Meadow	27.98	344	eP	P	02 04 36.8	+0.7
SDDR	Presa de Saban	27.98	82	eP	P	02 04 35.8	-0.4
SDDR	Presa de Saban			eP	P	02 04 35.8	-0.4
SDDR	Presa de Saban			eP	P	02 04 35.8	-0.4
SDDR	Presa de Saban			eP	P	02 04 35.8	-0.4
SDDR	Presa de Saban			eP	P	02 04 35.8	-0.4
SOTA	Rioblanco	28.00	120	eP	P	02 04 38.0	+1.1
SOTA	Rioblanco	28.00	120	eP	P	02 04 38.0	+1.1
L47A	Sherwood	28.02	25	P	P	02 04 35.2	-1.0
CRUC	La Cruz	28.04	121	eP	P	02 04 39.6	+2.5
CRUC	La Cruz	28.04	121	eP	P	02 04 39.6	+2.5
O52A	Adamsville	28.06	32	P	P	02 04 35.2	-1.4
O52A	Adamsville			eP	P	02 04 35.2	-1.4
PCON	Cinco Dias	28.07	119	eP	P	02 04 39.5	+1.9
PCON	Cinco Dias	28.07	119	eP	P	02 04 39.5	+1.9
FLWY	Flagg Ranch	28.09	345	eP	P	02 04 37.2	+0.1
M49A	Liberty Center	28.12	27	P	P	02 04 35.9	-1.2
MARP	Paez Belalozca	28.17	118	eP	P	02 04 40.6	+2.5
MARP	Paez Belalozca	28.17	118	eP	P	02 04 40.6	+2.5
BRRC	Barranca, Sant	28.17	108	eP	P	02 04 38.9	+1.0
BRRC	Barranca, Sant	28.17	108	eP	P	02 04 38.9	+1.0
O55A	Buckhannon	28.18	35	P	P	02 04 37.7	0.0
GRTK	Grand Turk	28.18	77	LF	LR	02 04 50.0	+1.2
GRTK	Grand Turk			LF	LR	02 04 50.0	+1.2
H38A	Maiden Rock	28.28	13	P	P	02 04 38.0	-0.4
I41A	Arkdale	28.28	17	P	P	02 04 37.6	-0.9
YPP	Pitchstone Pla	28.29	345	eP	P	02 04 39.4	+0.4
BEKK	Beckworth	28.30	327	eP	P	02 04 39.6	+0.6
L48A							





CRAIG	comp=Z,26nm,0.6s,baz=342,slow=6.0,SNR=4.9	45.48 335 eP	P	02 07 05.3 +1.1
SCHO	comp=Z,144nm,1.1s	45.64 27 eP	P	02 07 04.5 -1.0
SCHO	comp=Z,29nm,0.6s,baz=240,slow=8.4,SNR=27	46.27 351 eP	LR	02 28 19.8
SCHO	comp=Z,21um,19.2s,baz=232,slow=39	45.64 27 eP	P	02 07 04.8 -0.7
WRAK	comp=Z,32nm,0.9s	45.85 336 PFAKE	LR	02 07 20.0 +1.3
LPAZ	comp=Z,21um,20.0s	46.23 134 P	P	02 07 11.3 0.0
LPAZ	comp=Z,16nm,0.9s,baz=334,slow=6.8,SNR=69	46.27 351 P	PcP	02 08 47.1 +0.3
LPAZ	comp=Z,11nm,1.1s,baz=350,slow=2.9,SNR=5.6	46.23 134 eP	LR	02 24 50.5
LPAZ	comp=Z,11um,19.2s,baz=312,slow=34	46.23 134 eP	P	02 07 11.3 0.0
LPAZ	comp=Z,29nm,1.0s	46.23 134 eP	P	02 08 47.1 +0.3
YKA	comp=Z,40nm,0.9s	46.27 351 P	PcP	02 07 11.5 +0.2
YKA	comp=Z,4.7nm,0.7s,baz=157,slow=3.7,SNR=5.9	46.27 351 P	PcP	02 07 09.5 -0.7
YKA	comp=Z,0.4nm,0.8s,baz=138,slow=1.5,SNR=4.1	46.23 134 eP	PcP	02 08 45.4 0.0
YKA	comp=Z,0.4nm,0.8s,baz=138,slow=1.5,SNR=4.1	46.23 134 eP	PKIKP	02 15 46.3 +5.6
YKBS	comp=Z,724nm,18.0s,baz=162,slow=38	46.27 351 eP	P	02 07 08.8 -1.5
YKWS	comp=Z,724nm,18.0s,baz=162,slow=38	46.34 351 eP	P	02 07 10.1 -0.7
DLBC	comp=Z,22nm,0.9s	46.50 339 eP	P	02 07 12.9 +0.7
DLBC	comp=Z,153nm,0.9s	46.50 339 eP	PcP	02 08 46.5 +0.2
MMNC	comp=Z,39nm,0.8s	47.31 138 eP	P	02 07 18.9 -0.4
PB11	comp=Z,64nm,0.8s	47.74 139 eP	P	02 07 22.5 0.0
GO01	comp=Z,56nm,1.1s	47.96 138 eP	P	02 07 24.2 -0.4
PB01	comp=Z,103nm,1.7s	48.80 140 eP	P	02 07 31.5 +0.9
WHY	comp=Z,40nm,0.9s	49.81 339 eP	P	02 07 38.8 +0.9
LVC	comp=Z,11nm,1.0s,baz=302,slow=6.5,SNR=8.6	50.33 141 eP	P	02 07 44.1 +1.5
LVC	comp=Z,7.8nm,0.7s,baz=304,slow=5.9,SNR=5.9	50.33 141 eP	PcP	02 09 02.1 +1.0
LVC	comp=Z,55nm,1.3s	50.33 141 eP	LR	02 07 42.2 -0.3
LVC	comp=Z,403nm,22.0s	50.33 141 eP	P	02 07 42.2 -0.3
LVC	comp=Z,403nm,22.0s	50.33 141 eP	MLR	02 09 01.0 -0.1
LVC	comp=Z,55nm,1.3s	50.33 141 eP	MLR	02 07 43.7 +1.2
LVC	comp=Z,403nm,22.0s	50.33 141 eP	MLR	02 07 46.6 +0.8
HTY	comp=Z,135nm,1.2s	50.87 215 PFAKE	LR	02 08 00.0 +1.4
PTCN	comp=Z,21um,22.0s	51.12 128 P	P	02 07 47.6 -0.6
SIV	comp=Z,42nm,1.0s,baz=306,slow=7.8,SNR=104	51.69 281 eP	PcP	02 07 04.0 +0.3
SIV	comp=Z,13nm,0.8s,baz=328,slow=3.3,SNR=3.7	51.69 281 eP	LR	02 28 34.1
KKO	comp=Z,895nm,18.4s,baz=320,slow=35	51.70 281 eP	P	02 07 53.5 +0.9
RIM	comp=Z,192nm,1.1s	51.70 281 eP	P	02 07 53.6 +0.9
UWB	comp=Z,192nm,1.1s	51.70 281 eP	P	02 07 53.7 +1.0
MLH	comp=Z,174nm,1.2s	51.79 282 eP	P	02 07 54.9 +1.4
MLH	comp=Z,174nm,1.2s	51.79 282 eP	P	02 07 54.9 +1.4
HMH	comp=Z,174nm,1.2s	51.87 282 eP	P	02 07 55.6 +1.4
AIN	comp=Z,279nm,1.0s	51.87 281 eP	P	02 07 55.3 +1.2
GO02	comp=Z,40nm,1.0s	51.88 143 eP	P	02 07 54.5 +0.4
POHA	comp=Z,12nm,1.4s	51.90 282 eP	P	02 07 55.5 +1.2
MLOA	comp=Z,378nm,1.5s	51.96 282 eP	P	02 07 56.1 +1.1
MWH	comp=Z,154nm,1.2s	51.99 282 eP	P	02 07 55.9 +0.5
HPAH	comp=Z,176nm,1.2s	52.02 282 eP	P	02 07 56.4 +1.3
RKT	comp=Z,80nm,0.3s	52.26 221 eT	T	03 03 54.2
HON	comp=Z,387nm,1.1s	54.02 284 eP	P	02 08 11.1 +1.4
HON	comp=Z,387nm,1.1s	54.02 284 eP	P	02 08 11.1 +1.4
KIP	comp=Z,387nm,1.1s	54.02 284 eP	P	02 08 10.6 +0.9
KIP	comp=Z,136nm,1.1s	54.02 284 eP	P	02 08 11.1 +1.4
DIV	comp=Z,137nm,1.2s	54.22 335 eP	P	02 08 11.4 +0.8
LOO	comp=Z,58nm,1.2s	54.32 147 eP	P	02 08 11.7 -0.3
LOO	comp=Z,130nm,1.7s	54.32 147 eP	LR	02 08 11.7 -0.3
LOO	comp=Z,21um,19.0s	54.32 147 eP	P	02 08 11.7 -0.3
LOO	comp=Z,129nm,1.7s	54.32 147 eP	MLR	02 08 11.7 -0.3
LOO	comp=Z,21um,19.0s	54.32 147 eP	P	02 08 12.6 +0.6
MENT	comp=Z,93nm,1.5s	54.47 337 eP	P	02 08 11.5 -0.9
KLU	comp=Z,158nm,1.7s	54.48 335 eP	P	02 08 13.6 +1.0
EPYK	comp=Z,107nm,1.1s	54.50 343 eP	P	02 08 13.1 +0.6
EPYK	comp=Z,107nm,1.1s	54.50 343 eP	P	02 08 13.4 +0.8
HARP	comp=Z,119nm,1.3s	54.70 336 eP	P	02 08 14.9 +0.9
FSA	comp=Z,119nm,1.3s	54.71 141 eP	P	02 08 13.5 -1.2
EGAK	comp=Z,119nm,1.3s	54.74 340 eP	P	02 08 14.8 +0.6
EGAK	comp=Z,119nm,1.3s	54.74 340 eP	LR	02 08 14.8 +0.6
DOT	comp=Z,21um,21.0s	55.02 338 eP	P	02 08 17.0 +0.7
INK	comp=Z,72nm,1.4s	55.14 346 eP	P	02 08 17.6 +0.6
INK	comp=Z,39nm,0.9s,baz=126,slow=7.3,SNR=119	55.14 346 eP	P	02 08 17.3 +0.3
INK	comp=Z,155nm,0.9s	55.14 346 eP	P	02 08 17.3 +0.3
INK	comp=Z,155nm,0.9s	55.14 346 eP	P	02 08 17.3 +0.3
SCRK	comp=Z,253nm,2.0s	55.20 338 eP	P	02 08 18.2 +0.5
SCRK	comp=Z,253nm,2.0s	55.21 148 eP	P	02 08 18.2 -0.2
SCM	comp=Z,122nm,1.5s	55.23 335 eP	P	02 08 19.1 +1.1
SCM	comp=Z,205nm,2.0s	55.23 335 eP	P	02 08 19.1 +1.1
RIDG	comp=Z,205nm,2.0s	55.36 338 eP	P	02 08 19.7 +0.9
KNK	comp=Z,108nm,1.6s	55.47 334 eP	P	02 08 20.3 +0.7
AHML	comp=Z,6.8nm,0.6s	55.59 141 eP	IAML	02 08 19.5 -1.5
SML	comp=Z,46nm,1.0s	55.63 335 eP	P	02 08 21.5 +0.8
SML	comp=Z,46nm,1.0s	55.63 335 eP	P	02 08 21.5 +0.8
SML	comp=Z,46nm,1.0s	55.63 335 eP	P	02 08 21.5 +0.8

KDCAK	comp=Z,626nm,20.0s	55.65 329 eP	P	02 08 22.7 +1.9
KDCAK	comp=Z,626nm,20.0s	55.65 329 eP	LR	02 08 22.7 +1.9
BRLL	comp=Z,54nm,0.8s	55.72 332 eP	P	02 08 22.1 +0.7
PMR	comp=Z,33nm,0.7s	55.84 334 eP	P	02 08 22.6 +0.4
PMR	comp=Z,33nm,0.7s	55.84 334 eP	P	02 08 22.6 +0.4
RC01	comp=Z,33nm,0.7s	55.85 334 eP	P	02 08 23.4 +1.1
GHO	comp=Z,81nm,1.1s	55.85 335 eP	eP	02 08 21.5 +0.3
AGUA	comp=Z,81nm,1.1s	55.85 335 eP	eP	02 08 23.3 +0.9
DHY	comp=Z,79nm,1.1s	55.92 146 eP	P	02 08 22.2 -0.7
VAH	comp=Z,75nm,1.1s	55.96 336 eP	P	02 08 23.2 +0.2
VAH	comp=Z,75nm,1.1s	56.42 238 eP	P	02 08 27.2 +0.2
VAH	comp=Z,75nm,1.1s	56.42 238 eP	eT	03 09 04.9
HDA	comp=Z,9.1nm,0.3s	56.50 338 eP	P	02 08 27.6 +0.7
HDA	comp=Z,240nm,2.0s	56.50 338 eP	P	02 08 27.6 +0.7
PMOR	comp=Z,31nm,2.8s	56.51 238 eP	P	02 08 28.0 +0.4
PMOR	comp=Z,31nm,2.8s	56.51 238 eP	eT	03 09 12.0
CPA	comp=Z,21nm,0.2s	56.56 143 eP	P	02 08 24.8 -3.0
CRP	comp=Z,126nm,1.2s	56.65 339 eP	P	02 08 28.6 +0.5
ACL	comp=Z,74nm,1.1s	56.65 145 eP	P	02 08 26.6 -2.1
RND	comp=Z,74nm,1.1s	56.66 336 eP	P	02 08 28.6 +0.4
RND	comp=Z,74nm,1.1s	56.66 336 eP	P	02 08 28.6 +0.4
IL1	comp=Z,74nm,1.1s	56.69 338 eP	P	02 08 27.5 -0.7
ILAR	comp=Z,9.7nm,1.0s,baz=146,slow=5.8,SNR=49	56.69 338 eP	P	02 08 28.9 +0.6
ILAR	comp=Z,5.4nm,0.6s,baz=153,slow=1.9,SNR=8.6	56.69 338 eP	PcP	02 09 24.2 +0.1
ILAR	comp=Z,2.2um,18.1s,baz=123,slow=38	56.69 338 eP	LR	02 34 49.0
ILAR	comp=Z,0.3nm,0.9s,baz=273,slow=3.3,SNR=3.5	56.69 338 eP	PKPKPK	02 38 17.9 -7.6
ILAR	comp=Z,0.3nm,0.9s,baz=273,slow=3.3,SNR=3.5	56.69 338 eP	PKP2bc	02 38 35.8
ILB	comp=Z,0.3nm,0.9s,baz=273,slow=3.3,SNR=3.5	56.69 338 eP	P	02 08 28.9 +0.6
MCK	comp=Z,227nm,1.7s	56.87 337 eP	P	02 08 30.4 +0.8
MCK	comp=Z,42nm,0.9s	56.87 337 eP	P	02 08 30.4 +0.8
MCK	comp=Z,42nm,0.9s	56.87 337 eP	P	02 08 30.4 +0.8
RSO	comp=Z,42nm,0.9s	56.87 332 eP	P	02 08 30.2 +0.4
CCB	comp=Z,42nm,0.9s	56.94 338 eP	P	02 08 30.5 +0.5
WRH	comp=Z,19nm,0.9s	56.95 338 eP	P	02 08 30.5 +0.4
POKR	comp=Z,19nm,0.9s	57.07 338 eP	P	02 08 31.3 +0.4
COLA	comp=Z,38nm,0.9s	57.09 338 eP	P	02 08 31.9 +0.9
COLA	comp=Z,1um,20.0s	57.09 338 eP	LR	02 08 31.2 +0.2
COLA	comp=Z,1um,20.0s	57.09 338 eP	P	02 08 31.2 +0.2
TCOL	comp=Z,12nm,0.9s	57.09 338 eP	P	02 08 31.3 +0.3
FYU	comp=Z,11nm,0.9s	57.18 340 eP	P	02 08 32.5 +0.9
TRF	comp=Z,263nm,1.5s	57.24 336 eP	P	02 08 33.5 +1.1
MDM	comp=Z,112nm,0.3s	57.27 338 eP	P	02 08 32.9 +0.5
ROCI	comp=Z,25nm,1.1s	57.40 150 eP	P	02 08 33.0 -0.9
RES	comp=Z,34nm,1.3s	57.57 2 eP	P	02 08 34.1 -0.2
RES	comp=Z,34nm,1.3s	57.57 2 eP	P	02 08 34.1 -0.2
RES	comp=Z,34nm,1.3s	57.57 2 eP	P	02 08 34.1 -0.2
APLL	comp=Z,27nm,0.9s	57.63 145 eP	P	02 08 35.7 +0.2
CFA	comp=Z,18nm,0.9s,baz=323,slow=4.4,SNR=6.4	57.63 145 eP	PcP	02 08 36.2 +0.6
PEL	comp=Z,18nm,0.9s,baz=323,slow=4.4,SNR=6.4	57.63 145 eP	P	02 08 35.9 +0.1
PEL	comp=Z,24nm,1.5s	57.70 150 eP	P	02 08 35.9 +0.1
PEL	comp=Z,74nm,1.5s	57.73 335 eP	P	02 08 36.6 +0.8
PLLA	comp=Z,74nm,1.5s	57.73 335 eP	P	02 08 36.6 +0.8
BPWA	comp=Z,123nm,1.6s	57.84 336 eP	P	02 08 36.8 +0.4
AQDB	comp=Z,57nm,1.3s	57.89 129 eP	P	02 08 36.4 -0.9
MLY	comp=Z,25nm,1.1s	58.21 337 eP	P	02 08 40.0 +0.9
SVW2	comp=Z,49nm,1.1s	58.39 332 eP	P	02 08 40.0 0.0
TIAR	comp=Z,31nm,0.9s	59.07 237 eP	P	02 08 45.3 -0.3
TIAR	comp=Z,15nm,1.1s	59.07 237 eP	eT	03 12 23.9
TVO	comp=Z,1.8nm,0.2s	59.12 236 eP	P	02 08 46.0 0.0
COLD	comp=Z,20nm,1.4s	59.24 340 eP	P	02 08 46.5 +0.9
SFJD	comp=Z,24nm,1.1s	59.23 21 eP	P	02 08 46.2 +0.3
SFJD	comp=Z,128nm,1.3s	59.23 21 eP	LR	02 08 46.7 +0.7
SFJD	comp=Z,128nm,1.3s	59.23 21 eP	P	02 08 54.2 +0.3
SFJD	comp=Z,128nm,1.3s	59.23 21 eP	P	02 08 46.2 +0.3
SFJD	comp=Z,128nm,1.3s	59.23 21 eP	P	02 08 46.2 +0.3
SFJD	comp=Z,128nm,1.3s	59.23 21 eP	P	02 08 46.2 +0.3
PPT	comp=Z,1um,20.0s	59.26 237 LR	LR	02 27 13.3
PPT2	comp=Z,664nm,21.9s,baz=62,slow=29	59.27 327 eS	S	02 16 53.1 -0.7
PPT2	comp=Z,820nm,28.8s	59.27 327 eS	eSS	02 20 59.0 +1.0
PPT2	comp=Z,607nm,26.2s	59.27 327 eS	eLQ	02 23 48.4
PAE	comp=Z,1um,24.8s,baz=51	59.31 237 eP	eLR	02 25 58.0
PEXB	comp=Z,5.3nm,1.3s	59.38 116 eP	P	02 08 47.9 0.0
TOLK	comp=Z,220nm,2.0s	59.74 341 eP	P	02 08 50.6 +1.0
TOLK	comp=Z,220nm,2.0s	59.74 341 eP	P	02 08 50.2 +0.6
IM3	comp=Z,123nm,7.8s	59.77 338 eP	P	02 08 48.9 -0.9
CPUP	comp=Z,12nm,0.7s,baz=326,slow=7.4,SNR=23	60.40 135 eP	LR	02 08 53.0 -1.6
CPUP	comp=Z,708nm,19.3s,baz=332,slow=36	60.40 135 eP	LR	02 08 53.9 -0.7
CPUP	comp=Z,25nm,1.0s	60.40 135 eP	P	02 08 53.9 -0.7
CPUP	comp=Z,25nm,1.0s	60.40 135 eP	P	02 08 53.9 -0.7
CPUP	comp=Z,25nm,1.0s	60.40 135 eP	P	02 08 53.9 -0.7
BDFB	comp=Z,14nm,0.8s,baz=292,slow=8.2,SNR=17	61.34 119 eP	P	02 09 54.1 -0.5
BDFB	comp=Z,14nm,0.8s,baz=292,slow=8.2,SNR=17	61.34 119 eP	P	02 09 01.3 0.0
BDFB	comp=Z,102nm,1.7s	61.34 119 eP	P	02 09 00.5 -0.8
BDFB	comp=Z,102nm,1.7s	61.34 119 eP	P	02 09 00.5 -0.8
ITRB	comp=Z,102nm,1.7s	61.55 124 eP	P	02 09 02.3 -0.3
TRCB	comp=Z,102nm,1.7s	61.55 124 eP	P	02 09 01.8 -0.8
TULEG	comp=Z,64nm,1.1s	61.57 8 eP	P	02 09 02.5 +0.7
KULLO	comp=Z,33nm,1.0s	62.03 121 eP	P	02 09 05.5 +0.6
KULLO	comp=Z,33nm,1.0s	62.03 121 eP	P	02

5d 1h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MTE, EVO, MVO, PCBR, etc.

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

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



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NV01, NVAR, ULM, YKA, YKBS, DBIC, TOA1, TORO.

NEIC 05 02:24:20.0-0.0, 19.13N:64.61W, h44km, MD3.0(RSPR), After RSPR. RSPR 05 02:24:20.0, 19.13N:64.61W, h44km, 6km, MD3.0/6. ISC 05 02:24:19.2-7.19, 19.1N:64.62W:0.05, h42km, n26, c#21/38, 20C, Virgin Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ABV, STVI, CUPR, MTP, HUMP, etc.

ISCJB 05 02:24:25.0-1.2, 5.82S:0.07:147.10E:0.10, h78km, mb3.7/4, Error ellipse: s-maj=15.0km s-min=7.9km az=156.0

ISC 05 02:24:29.8-1.7, 6.00S:146.92E, h109km, 1.9km, mb3.2/3, mb1 3.5/6, mb1mx3.2/35, mbtpr3.6/6, Error ellipse: s-maj=20.1km s-min=12.6km az=85.0

ISC 05 02:24:26.9-1.2, 5.92S:0.09:147.0E:0.1, h78km, n9, c#208/13, mb3.5/4, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG, JAY, CTA, WRA, WRA, ASAR, FITZ, STKA, ILAR, TORO.

IGQ 05 02:32:12.5-0.5, 1.52S:8.1W:1, h10km, MLV3.8, Near coast of Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAMA, SALI, MAGI, MORR, MILO, GOLV, COHC, ILLI, PAST, IGUA, NINA, JUAZ, BIL2, ENAS, GGPC, PAC1, BMOR, BREF, POND, RETU, ARR, PITA, COXP, PATI, PISA, PIS, BTAM, BULB, PULU, ANTG, ANTM, OTAV, ANTI, ANTS, CUSE, CUIC, IMBA, URUC, ARDO, YCHA, MCRA, GONZ.

TULM Tulcn-Chalpat 3.60 62 P Pn 02 33 10.0 +1.1

IGQ 05 02:37:47.6-0.6, 1.52S:8.1W:1, h7km, MLV3.6, Off coast of Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAMA, SALI, MAGI, MORR, MILO, GOLV, ILLI, COHC, PAST, IGUA, NINA, JUAZ, PAC1, GGPC, BNAS, NASZ, COXP, BNAS, BREF, PATI, VCI, BTAM, BRUN, BULB, PULU, ANTG, ANTM, OTAV, ANTI, ANTS, CUSE, CUIC, IMBA, URUC, MCRA.

ISC 05 02:40:13.2-0.8, 1.478N:144.60E, h0km, mb4.0/16, mb1 4.1/16, mb1mx3.9/48, mbtpr4.0/16, Error ellipse: s-maj=31.9km s-min=13.5km az=78.0

ISCJB 05 02:40:14.8-0.5, 1.478N:144.60E:0.1, h22km, mb4.1/25, Error ellipse: s-maj=20.3km s-min=6.1km az=166.5

NEIC 05 02:40:18.1-0.4, 1.478N:144.65E, h35km, mb4.4/10, Error ellipse: s-maj=16.5km s-min=6.7km az=81.0

ISC 05 02:40:16.3-0.7, 1.481N:0.08:144.7E:0.2, h22km, n40, c#85/44, mb4.3/25, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUMO, JNU, MJAR, MAJO, MJBS, KSRS, KS15, KSAR, KLR, WRI, WRA, AS31, ASAR, CM01, CMAR, SONGA, SONGA, SONGA, MK01, MK31, MK32, MKAR, ZAAV, ZAL1, KURK, NR1K, KK31, BKAR, BVAR, BRVK, ABKAR, YKA, YKBS, AR0A, ARCS, FIAO, FINES, LPAZ.

JMA 05 03:12:52.2-0.2, 25.52N:125.00E, h13km, M3.5, Northeast of Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JIKM, JIRB, JOGS, JTTJ, JISG.

JISG Ishigaki jima 1.39 214 eS Sb 03 13 28.1 +0.2

SJA 05 03:18:24.4-0.5, 31.49S:69.50W, h107km, 4km, ML2.2, MW3.6, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RTLS, AUPS, RTCV, ACCO, AMOG, AROC.

KRSC 05 03:18:43.2-10.0, 55.91N:161.77E, h70km, 10km, ML3.7, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BZGR, CIRR, KBG, LGNR, KBNR, BZWR, BZMR, BDR, KLY, KIRR, KIRR, SRKR, KPT, TUMD, TUMD, KOZ, TUMR, KZV, SRDR, MKZ, MKZ, BKI, SPN, NLC, SDLR, KRER, SMAR, AVH, OSSR, KRMR.

ROM 05 04:13:13.2-0.1, 42.688N:0.005:13.418E:0.007, h14km, 1.5km, ML1.0/1, Error ellipse: s-maj=0.6km s-min=0.5km az=64.0, Central Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SMA1, SMA1, SMA1, TERO, TERO, TERO, CAMP, CAMP, NRCA, LNNS, LNNS, LNNS, FDMO, FDMO, FDMO, COR1, COR1, COR1.

ISCJB 05 04:14:14.9-0.3, 51.51N:0.02:16.14E:0.02, h0km, Error ellipse: s-maj=2.6km s-min=2.0km az=21.4

IPEC 05 04:14:16.4-0.3, 51.56N:16.29E, h0km, ML3.2/2, Error ellipse: s-maj=3.0km s-min=1.7km az=85.0

UPP 05 04:14:17.6-3.1, 51.55N:15.66E, h0km, ML2.4, Suspected explosion

LDG 05 04:14:21.2-1.0, 51.20N:16.22E, h1km, M3.5/3, Error ellipse: s-maj=25.2km s-min=14.4km az=24.0, Suspected lightning induced

ISC 05 04:14:14.9-0.7, 51.59N:0.03:16.16E:0.02, h0km, n74, c#180/150, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSP, KSP, KSP, UPIC, DPC, DPC, DPC, KRCL, KRCL, BRG, BRG, BRG, GPCP, GPCP, PRU, PRU, PRU.









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

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

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



Table with columns: RSP, Reno Superiore, 3.11 356, P, Pn, 07 26 13.4 -1.0, 07 26 47.8 -3.1, etc.

Table with columns: EPFF, DAVA, Damuels, 5.49 16, eSn, Sn, 07 27 49.5 0.0, etc.

Table with columns: MK31, Makanchi Array, 51.69 58, eP, P, 07 34 32.9 +1.3, etc.

Table with columns: IDC 05 07:25:53.4, 1.9, 10.255x124.90E, h0km, mb3.5/1, etc.

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

ISCJB 05 07:34:09.9, 0.6, 26.72N, 0.05, 92.53E, 0.03, h28km, 6km, Error ellipse: s-maj=8.5km s-min=4.3km az=166.7

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

IDC 05 07:42:19.5, 1.1, 16.13S, 173.73W, h0km, mb3.9/6, mb1 4.2/6, mb1mx3.8/32, mbtmp3.9/6, Error ellipse: s-maj=50.2km s-min=23.3km az=143.0, Tonga Islands

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

NEIC 05 07:57:41.7, 1.0, 5.93S, 148.43E, h10km, mb4.0/3, Error ellipse: s-maj=28.4km s-min=12.9km az=136.0

ISCJB 05 07:57:43.7, 1.0, 6.15S, 0.1, 148.6E, 0.2, h53km, Error ellipse: s-maj=27.6km s-min=10.4km az=39.3

IDC 05 07:57:51.2, 6.7, 6.94S, 149.19E, h101km, mb3.8/4, mb1 3.7/4, mb1mx3.2/42, mbtmp3.9/4, Error ellipse: s-maj=92.6km s-min=52.4km az=126.0

ISC 05 07:57:43.1, 1.6, 5.5S, 0.2, 149.0E, 0.2, h53km, n13, s146/15, New Britain region

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









MOS 05 10:10:52.3:0.3,44:02N:0:07:42:04E:0:07, M1.8, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014), Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KIVO, SHA1, BEYR, ARXR, etc.

MEX 05 10:21:38.5:0.7, 17:47N-95:37W, h150km±14km, MD3.8, Oaxaca

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

KRAR 05 10:27:41.0:0.2, 53:51N:91:44E, M2.4, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 05 10:27:42.1:5.1, 53:74N:91:27E, h0km, mb1 3.1/3, mb1mx3.0/5.1, mbtmp3.1/3, ML2.6/3, Error ellipse: s-maj=54.2km s-min=28.9km az=38.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ZALV, KURBB, MKAR, etc.

NEIC 05 10:29:48.0:2.5, 32:21S:177:48W, h10km±2km, mb4 6/4, Error ellipse: s-maj=34.1km s-min=25.9km az=130.0

IDC 05 10:29:48.2:1.8, 31:95S:177:71W, h0km, mb4 1/3, mb1 4.2/4, mb1mx3.8/29, mbtmp4.0/4, ML3.5/1, MS3.5/1, Ms1 3.5/1, ms1mx2.8/37, Error ellipse: s-maj=50.4km s-min=31.6km az=133.0

ISCJB 05 10:29:50.7:1.8, 32:28S:0:07:177:9W:0:3, h24km, mb4.2/6, Error ellipse: s-maj=31.4km s-min=8.3km az=10.1

ISC 05 10:29:52.4:1.4, 32:24S:0:10:177:8W:0:2, h24km, n22, e=280:29, mb4.4/6, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like URZ, WARR, WRI, etc.

ISCJB 05 10:43:09.2:0.5, 7:20S:0:07:27:96E:0:09, h10km, mb4 1/6, MS3.3/1, Error ellipse: s-maj=12.9km s-min=8.8km az=26.2

IDC 05 10:43:10.0:1.2, 7:13S:27:89E, h0km, mb4 0/6, mb1 4.1/7, mb1mx3.7/50, mbtmp4.1/7, ML3.7/1, MS3.4/1, Ms1 3.4/1, ms1mx2.7/36, Error ellipse: s-maj=31.8km s-min=25.5km az=153.0

NEIC 05 10:43:11.4:2.2, 7:25S:27:95E, h15km±5km, mb4 1/4, Error ellipse: s-maj=24.3km s-min=18.1km az=100.0

ISC 05 10:43:10.5:0.7, 7:27S:0:09:28:05E:0:09, h10km, n26, e=169:29, mb4.1/6, Zaire

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LSZ, KMB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KMB, MATP, TSUM, etc.

IDC 05 11:04:44.7:4.1, 17:26S:178:69W, h603km, 95km, mb2.9/6, mb1 3.3/6, mb1mx2.9/7, mbtmp3.8/6, Error ellipse: s-maj=107.0km s-min=29.5km az=158.0, Fiji Islands region

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

IDC 05 11:04:58.8:1.3, 51:81N:173:31W, h0km, mb3.7/8, mb1 3.9/10, mb1mx3.7/52, mbtmp3.8/10, ML3.9/2, MS3.7/2, Ms1 3.7/2, ms1mx2.9/41, Error ellipse: s-maj=44.2km s-min=16.3km az=170.0

NEIC 05 11:05:02.3:1.0, 51:54N:173:56W, h12km, mb3.8/33, ML3.3(AE/C), After AE/C

ISCJB 05 11:05:02.3:0.8, 51:63N:0:08:173:39W:0:05, h43km±5km, mb3.7/10, MS3.7/2, Error ellipse: s-maj=13.6km s-min=3.6km az=165.5

ISC 05 11:05:02.3:1.0, 51:57N:0:07:173:49W:0:03, h26km±6km, n83, e=116:89, mb3.8/10, Andean/O Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ATKA, KOPF, etc.

IDC 05 11:10:32.0:1.2, 3:50S:0:16:165:6E:0:2, h33km, mb3.9/7, MS3.5/8, Error ellipse: s-maj=28.7km s-min=16.2km az=177.7

IDC 05 11:10:35.7:6.1, 12:31S:165:74E, h57km±59km, mb3.7/7, mb1 3.9/8, mb1mx3.6/40, mbtmp3.9/8, ML3.8/1, MS3.5/10, Ms1 3.5/10, ms1mx3.2/32, Error ellipse: s-maj=48.6km s-min=31.9km az=144.0

ISC 05 11:10:33.6:1.0, 12:25S:0:16:165:7E:0:2, h35km, n18, e=116:11, mb3.9/7, MS3.5/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like HNR, DZM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MENT, BALM, DOT, etc.

ISCJB 05 11:10:32.0:1.2, 3:50S:0:16:165:6E:0:2, h33km, mb3.9/7, MS3.5/8, Error ellipse: s-maj=28.7km s-min=16.2km az=177.7

IDC 05 11:10:35.7:6.1, 12:31S:165:74E, h57km±59km, mb3.7/7, mb1 3.9/8, mb1mx3.6/40, mbtmp3.9/8, ML3.8/1, MS3.5/10, Ms1 3.5/10, ms1mx3.2/32, Error ellipse: s-maj=48.6km s-min=31.9km az=144.0

ISC 05 11:10:33.6:1.0, 12:25S:0:16:165:7E:0:2, h35km, n18, e=116:11, mb3.9/7, MS3.5/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like HNR, DZM, etc.

IDC 05 11:10:32.0:1.2, 3:50S:0:16:165:6E:0:2, h33km, mb3.9/7, MS3.5/8, Error ellipse: s-maj=28.7km s-min=16.2km az=177.7

IDC 05 11:10:35.7:6.1, 12:31S:165:74E, h57km±59km, mb3.7/7, mb1 3.9/8, mb1mx3.6/40, mbtmp3.9/8, ML3.8/1, MS3.5/10, Ms1 3.5/10, ms1mx3.2/32, Error ellipse: s-maj=48.6km s-min=31.9km az=144.0

ISC 05 11:10:33.6:1.0, 12:25S:0:16:165:7E:0:2, h35km, n18, e=116:11, mb3.9/7, MS3.5/8, Santa Cruz Islands

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

Table with columns: STKA, Stephens Creek, 25.58 194 P, P, 11 16 35.4 +1.0, etc.

IGQ 05 11:30:06.8:0.6,1'S;2:8'1W, h7km, MLv3.7, Off coast of Ecuador

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

IDC 05 11:32:30.0:10.0,5'35Sx103.73E, h170km, 100km, mb3.2/7, mb1 3.7, mb1mx3.2/46, mtbmk3.7/7, Error ellipse: s-maj=81.6km s-min=17.0km az=56.0, Southern Sumatara

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

SJA 05 12:07:26.1:0.5,31'42S-68'74W, h103km, 3km, ML3.6, MW4.1, San Juan Province

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

IDC 05 12:40:11.5:0.7,31'05Sx176'76W, h0km, mb4.4/3, mb1 4.6/9, mb1mx4.2/31, mbtmp4.4/9, ML4.5/1, MS3.0/3, Ms1 3.0/3, ms1mx2.9/42, Error ellipse: s-maj=22.4km s-min=20.2km az=37.0

NEIC 05 12:40:11.8:0.5,31'35Sx176'92W, h10km, mb4.5/23, Error ellipse: s-maj=13.5km s-min=3.7km az=111.0

ISCJB 05 12:40:14.3:0.4,31'35S:0.04:177'20W:0.07, h33km, mb4.4/19, MS3.0/1, Error ellipse: s-maj=9.0km s-min=1.4km az=18.8

ISC 05 12:40:16.2:0.5,31'29S:0.05:177'09W:0.09, h35km, n73, e234/83, mb4.5/19, Kernadec Islands region

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

Main table with columns: BKZ, Black Stump Fm, 9.44 212 ePn, Pn, 12 42 28.5 -1.2, etc.

ISCJB 05 12:45:42.1:0.5,42'68N:0.03:75'70E:0.04, h0km, Error ellipse: s-maj=5.2km s-min=3.5km az=153.9

NNC 05 12:45:42.3:0.6,42'71N:75'71E, h0km, mb2.8, mpv2.9, Error ellipse: s-maj=4.0km s-min=1.7km az=26.0

SOME 05 12:45:43.2,42'75N:75'68E

ISC 05 12:45:42.4:0.9,42'69N:0.04:75'70E:0.03, h0km, n19, e052/27,5C, Lake Issyk-Kul region

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

ISCJB 05 12:45:42.1:0.5,42'68N:0.03:75'70E:0.04, h0km, Error ellipse: s-maj=5.2km s-min=3.5km az=153.9

NNC 05 12:45:42.3:0.6,42'71N:75'71E, h0km, mb2.8, mpv2.9, Error ellipse: s-maj=4.0km s-min=1.7km az=26.0

SOME 05 12:45:43.2,42'75N:75'68E

ISC 05 12:45:42.4:0.9,42'69N:0.04:75'70E:0.03, h0km, n19, e052/27,5C, Lake Issyk-Kul region

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

Table with columns: MDKO, 0.7m,0.2s, S, Sg, 12 46 17.4 -0.4, etc.

NIED 05 13:00:00.42:60N:131'70E, h58km, Mw6.2 Best double couple: M2.37000:1018 NP1:267.00000, delta 10.00000, lambda 4.00000, NP2:2.00000, delta 89.00000, lambda 100.00000

ISCJB 05 13:00:01.1:0.1,42'72N:0.01:131'04E:0.01, h53km, 1km, mb6.0/665, Error ellipse: s-maj=1.7km s-min=1.4km az=156.9

SKHL 05 13:00:01.8:0.9,42'76N:131'29E, h570km, 7km, mb7.0/8, mb16.7/1, MS5.6/4, ms16.6/16

MOS 05 13:00:01.9:0.8,42'73N:131'15E, h574km, mb6.3/87, Error ellipse: s-maj=5.3km s-min=3.8km az=114.7

JMA 05 13:00:02.8:0.3,42'56N:131'72E, h593km, M6.3 JMA Felt J1

NEIC 05 13:00:02.1:0.2,42'74N:131'00E, h563km, 2km, mb6.2/295, MW6.3, MW6.4, MW6.3, Error ellipse: s-maj=2.3km s-min=1.8km az=148.0, Moment Tensor Solution. s110 Moment tensor: Scale 10^18Nm; M1:0.88; M2:0.78; M3:0.10; M4:0.26; M5:0.75; M6:1.45; Best double couple: M4.30000:1018 NP1:173.00000, delta 86.00000, lambda 101.00000, NP2:263.00000, delta 12.00000, lambda 20.00000, Principal axes: T 4.5900, Plg48.0000, Azm95.0000; N -0.6300, Plg11.0000; Azm352.0000; P -3.9600, Plg40.0000; Azm253.0000

IDC 05 13:00:02.8:0.3,42'77N:131'09E, h570km, 3km, mb5.5/38, mb1 5.6/41, mb1mx5.6/43, mbtmp6.4/41 Error ellipse: s-maj=6.1km s-min=6.1km az=115.0

NEIC 05 13:00:02.0:0.0,42'71N:131'24E, h560km, Moment Tensor Solution. s51 Moment tensor: Scale 10^18Nm; M1:0.69; M2:0.38; M3:0.31; M4:0.29; M5:0.43; M6:3.19; Best double couple: M3.30000:1018 NP1:173.00000, delta 86.00000, lambda 98.00000, NP2:296.00000, delta 89.00000, lambda 33.00000, Principal axes: T 3.4100, Plg49.0000, Azm81.0000; N -0.2800, Plg7.0000; Azm352.0000; P -3.1300, Plg39.0000; Azm256.0000

BJI 05 13:00:02.3:42:80N:131'10E, h570km, mb6.7/66, mb6.6/40

GCMT 05 13:00:04.1:0.1,42'72N:0.01:131'02E:0.01, h572km, MW6.3/126, Moment Tensor Solution. s126,c308; s113,c164; Duration: 3s Moment tensor: Scale 10^18Nm; M1:0.66; M2:0.51; M3:0.25; M4:0.42; M5:0.40; M6:1.02; M7:0.45; M8:0.39; M9:0.92; Best double couple: M3.17200:1018 NP1:177.00000, delta 86.00000, lambda 98.00000, NP2:299.00000, delta 10.00000, lambda 33.00000, Principal axes: T 3.2730, Plg50.0000; Azm95.0000; N -0.3100, Plg5.0000; Azm352.0000; P -3.0710, Plg39.0000; Azm259.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to mantle waves, cutoff=125s. Triangular moment-rate function

NEIC 05 13:00:19.7:0.0,42'76N:130'90E, h563km, Moment Tensor Solution. s94 Moment tensor: Scale 10^18Nm; M1:0.76; M2:0.27; M3:0.50; M4:0.10; M5:0.57; M6:2.99; Best double couple: M3.10000:1018 NP1:175.00000, delta 84.00000, lambda 100.00000, NP2:297.00000, delta 12.00000, lambda 20.00000, Principal axes: T 3.2000, Plg50.0000, Azm96.0000; N -0.1800, Plg10.0000; Azm354.0000; P -3.1300, Plg39.0000; Azm256.0000

ISC 05 13:00:02.4:0.2,42'74N:0.02:131'06E:0.02, h571km, 1km, h571km, pp-P, n209, s142/3502, mb6.1/703, 124C-412D, Primary-Northeastern China border region

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



KUR	comp=Z,2um,0.5s	iS	A	S	13 04 54.2	-3.7	
KUR	comp=Z,7um,2.0s	A	A	A	13 04 59.1		
KUR	comp=Z,6um,2.0s	A	A	A	13 04 59.1		
KUR	Kuril'sk	12.36	73d	iP	P	13 02 43.5	-1.0
KUR				iS	P	13 04 55.3	-2.6
KUR	comp=E,392nm,0.5s			pmx	pmx		
KUR	comp=Z,2um,0.5s			pmx	pmx		
KUR	comp=N,139nm,0.3s			pmx	pmx		
KUR	comp=Z,9um,1.5s			pmx	pmx		
KUR	comp=E,2um,1.7s			pmx	pmx		
KUR	comp=N,1um,1.4s			smx	smx		
KUR	comp=E,550nm,0.9s			smx	smx		
KUR	comp=N,478nm,1.3s			smx	smx		
KUR	comp=N,44um,6.0s			smx	smx		
KUR	comp=Z,12um,17.0s			MLR	MLR		
KUR	comp=N,18um,12.0s			MLR	MLR		
TIA	Tai'an	12.58	243	P	S	13 02 47.2	+0.3
TIA				S	P	13 04 54.8	-7.6
TIA				S	pmx		
OKH	Okha	13.39	32	eP	P	13 02 55.2	+0.3
OKH	comp=N,3um,7.0s			AMB	AMB	13 02 58.2	
OKH	comp=N,13um,10.0s			eS	A	13 05 13.7	-3.1
OKH	comp=N,13um,10.0s			A	A	13 05 21.6	
OKH	comp=N,34um,10.0s			A	A	13 05 21.6	
OKH	comp=N,6um,15.0s			AMS	AMS	13 13 14.4	
OKH	Okha	13.39	32d	iP	P	13 02 55.4	+0.5
OKH				pmx	pmx		
SSE	Sheshan	14.04	217	P	P	13 03 01.5	-0.4
SSE				S	P	13 05 27.0	-2.3
SSE				S	ScS	13 13 54.1	-0.1
SSE				pmx	pmx		
SSE	comp=Z,2um,1.1s			pmx	pmx		
SSE	comp=Z,3um,3.5s			pmx	pmx		
SSE	Sheshan	14.04	217	eP	P	13 03 01.5	-0.4
NJ2	Nanjing	14.40	226	iP	P	13 03 05.0	-0.5
NJ2				S	S	13 05 23.8	-1.2
NJ2				ScP	ScP	13 10 16.8	-0.4
NJ2				ScS	ScS	13 13 54.5	-0.6
NJ2				pmx	pmx		
NJ2	comp=Z,3um,0.9s			pmx	pmx		
JAMN	Amaminishikomi	14.54	187	P	P	13 03 03.9	-3.0
JAMN				eS	P	13 05 31.1	-7.4
HHC	Hu-ho-hao-te	14.67	269	eP	S	13 03 07.6	-0.6
HHC				eP	S	13 05 11.4	
HHC				S	S	13 05 40.2	-0.5
HHC				ScP	ScP	13 10 17.6	-0.1
HHC				pmx	pmx		
HHC	comp=Z,2um,0.7s			pmx	pmx		
CIT	Chita	15.03	314	eP	P	13 03 11.5	+0.1
CIT				eS	P	13 05 45.3	-1.2
CIT				pmx	pmx		
TIY	Taiyuan	15.08	257	eP	S	13 03 13.0	+0.8
TIY				S	P	13 05 14.4	-1.4
TIY				S	pmx	13 05 43.5	-4.4
TIY				pmx	pmx		
TIY	comp=Z,3um,0.7s			pmx	pmx		
TIY	comp=Z,18um,3.5s			pmx	pmx		
BTO	Baotou	15.87	269	eP	P	13 03 19.6	-0.2
JOW	Kunigami	16.03	189	eP	P	13 03 17.9	-3.5
JOW	comp=Z,4.1nm,0.3s,baz=63,slow=22,SNR=30			S	S	13 05 57.9	-5.9
JOW	comp=Z,32nm,0.3s,baz=70,slow=26,SNR=50			ScP	ScP	13 10 20.5	+0.2
JOW	comp=Z,0.9nm,0.3s,baz=140,slow=13,SNR=20			ScS	ScS	13 14 00.2	+0.5
JOW	comp=Z,0.1nm,0.3s,baz=92,slow=18,SNR=5.6			P	P	13 13 19.1	-2.4
JOW	comp=Z,188nm,1.4s			eS	S	13 05 57.8	-5.9
JOW				ScP	ScP	13 10 20.5	+0.2
JOW				ScS	ScS	13 14 00.2	+0.5
JOW	Kunigami	16.03	189	eP	P	13 03 17.9	-3.5
JOW				eS	S	13 05 57.8	-5.9
JOW				ScP	ScP	13 10 20.5	+0.2
JOW				ScS	ScS	13 14 00.2	+0.5
JOW	Kunigami	16.03	189	P	P	13 03 17.8	-3.6
JOW				S	P	13 05 54.4	-9.1
JOW				eS	S	13 03 25.4	-2.5
JOW				eS	P	13 06 08.9	-6.4
ULN	Ulaanbaatar	17.62	295	eP	P	13 03 37.4	+1.6
ULN	comp=Z,2um,0.9s			P	P	13 03 37.4	+1.6
ULN	Ulaanbaatar	17.62	295	eP	P	13 03 37.4	+1.6
ULN	SNR=1463			P	P	13 03 37.5	+1.8
CBIJ	Chichi jima	18.05	146	P	P	13 03 36.7	-3.0
SONA0	Songino Array	18.06	295	eP	P	13 03 41.3	+1.5
SONA0				eS	ScP	13 06 41.0	+4.5
SONA0				eS	ScP	13 10 24.1	-0.3
SONM	Songino Array	18.06	295	P	P	13 03 41.3	+1.5
SONM	comp=Z,267nm,0.3s,baz=109,slow=9.0,SNR=2164			S	S	13 06 41.0	+4.5
SONM	comp=Z,200,slow=39,SNR=1.5			ScP	ScP	13 10 24.1	-0.3
SONM	comp=Z,3.3nm,0.3s,baz=136,slow=2.2,SNR=5.3			PKP2ab	PKP2ab	13 41 59.0	
WHN	Wuhan	18.07	233	iP	P	13 03 40.6	+0.7
WHN				eP	S	13 06 00.2	-0.9
WHN				S	P	13 06 35.8	-1.0
WHN				ScP	ScP	13 10 25.1	+0.6
WHN				ScS	ScS	13 14 03.6	-2.2
BOD	Bodaibo	18.54	330	eP	P	13 03 43.6	-0.1
BOD				eP	P	13 06 43.7	
BOD				pmx	pmx		
SKR	Severo-Kuril's	18.86	56	iP	P	13 03 45.4	-1.4
SKR				AMB	AMB	13 03 46.8	
SKR	comp=Z,2um,3.0s			AMB	AMB	13 03 48.2	
SKR	comp=Z,1um,1.0s			erx	rx	13 06 08.1	
SKR				eS	S	13 06 46.7	-2.3
SKR				AMS	AMS	13 07 50.4	
SKR	comp=Z,24um,13.0s			P	P	13 03 46.4	-0.4
SKR	Severo-Kuril's	18.86	56	eP	P	13 03 46.4	-0.4
SKR				pmx	pmx		
SKR	comp=Z,2um,5.8s			pmx	pmx		
SKR	comp=Z,2um,3.3s			pmx	pmx		
YAK	comp=Z,1um,1.0s			pmx	pmx		
YAK	Yakutsk	19.34	358	eP	P	13 03 50.5	-0.4
YAK	Yakutsk	19.34	358	dIP	P	13 03 50.6	-0.4
YAK				eS	P	13 06 53.3	-3.1
YAK				pmx	pmx		
YAK	comp=Z,3um,0.8s			pmx	pmx		
YAK	comp=N,2um,0.9s			pmx	pmx		
YAK	comp=E,215nm,0.8s			smx	smx		
YAK	comp=E,40um,2.3s			smx	smx		
XAN	Xi'an	19.37	251	P	P	13 03 52.3	+0.6
XAN				S	P	13 06 12.6	-3.0
XAN				PcP	PcP	13 07 50.5	+5.3
XAN				pmx	pmx		
XAN	comp=N,2um,0.7s			pmx	pmx		
XAN	comp=N,12um,4.8s			pmx	pmx		
XAN	Xi'an	19.37	251	eP	P	13 03 52.3	+0.6

TATO	Taipei	19.39	207	eP	P	13 03 52.8	+0.8
TATO	Taipei	19.39	207	P	P	13 03 53.1	+1.1
YOJ	Yonaguni jima	19.40	203	eP	P	13 03 49.9	-2.2
YOJ	SNR=13			P	P	13 03 55.6	+0.6
YOJ	Yonaguni jima	19.40	203	eP	P	13 03 49.9	-2.2
YHNB	Yeheng	19.71	207	eP	P	13 03 55.6	+0.6
NACB	Ninganchiao	20.10	206	eP	P	13 03 57.2	-1.3
IRK	Irkutsk	20.34	307	eP	P	13 03 59.8	-0.5
IRK				eS	P	13 07 16.3	+3.7
IRK				pmx	pmx		
ZAK	Zakamensk	20.49	302	eP	P	13 04 02.0	+0.9
ZAK				e	P	13 07 15.3	
ZAK				pmx	pmx		
QZH	Quanzhou	20.51	214	iP	P	13 04 02.0	-0.1
QZH				S	S	13 06 25.2	-2.9
QZH				S	ScS	13 07 13.6	-2.2
QZH				ScS	pmx	13 14 14.5	+0.3
QZH	comp=Z,870nm,0.8s			pmx	pmx		
QZH	comp=Z,6um,6.1s			pmx	pmx		
PEA0B	Petrovlovsk-	20.53	50	eP	P	13 04 01.6	-0.3
PEA0B	SNR=446nm,0.8s			P	P	13 04 01.6	-0.3
PEA0B	Petrovlovsk-	20.53	50	eP	P	13 04 01.6	-0.3
PEA0B	SNR=446nm,0.8s			pmx	pmx		
PETK	Petrovlovsk-	20.53	50	P	P	13 04 01.3	-0.5
PETK	comp=Z,102nm,0.8s,baz=224,slow=5.0,SNR=88			PcP	PcP	13 07 47.3	+0.3
PETK	comp=Z,49nm,0.8s,baz=167,slow=3.2,SNR=5.4			ScP	ScP	13 10 29.9	0.0
PETK	comp=Z,88nm,0.8s,baz=194,slow=4.0,SNR=15			ScS	ScS	13 14 14.5	+1.1
PETK	comp=Z,31nm,1.1s,baz=287,slow=20,SNR=10			P	P	13 04 00.9	-1.0
PETK	Petrovlovsk-	20.53	50	eP	P	13 07 27.9	+0.3
PETK	SNR=544			PcP	PcP	13 10 29.9	0.0
PETK				ScP	ScP	13 14 14.5	+1.1
PETK				ScS	ScS	13 14 14.5	+1.1
PEA1	Petrovlovsk-	20.53	50	eP	P	13 04 01.3	-0.6
PEA1				ePcP	PcP	13 07 47.3	+0.3
PEA1				eScP	ScP	13 10 29.9	0.0
PEA1				eScS	ScS	13 14 14.5	+1.1
PEA1				P	P	13 04 03.5	+1.3
TLY	Talaya	20.56	305	eP	P	13 04 03.3	+1.1
TLY	comp=Z,784nm,0.8s			eP	P	13 04 03.4	+1.2
TLY	Talaya	20.56	305	iP	P	13 06 30.7	
TLY				eS	S	13 07 18.7	+2.6
TLY				pmx	pmx		
TLY	comp=Z,2um,1.0s			P	P	13 04 03.8	+1.5
TLY	Talaya	20.56	305	P	P	13 04 03.8	+1.5
SSLB	Suanguang	20.67	207	eP	P	13 04 03.7	+0.1
MA2	Magadan	20.76	29	P	P	13 04 04.0	+0.1
MA2	comp=Z,674nm,0.7s,baz=222,slow=6.8,SNR=26			ScP	ScP	13 10 30.4	+0.2
MA2	comp=Z,633nm,0.8s,baz=164,slow=2.4,SNR=64			ScS	ScS	13 14 13.7	-0.3
MA2	comp=Z,23nm,0.9s,baz=301,slow=22,SNR=9.4			P	P	13 04 04.0	+0.1
MA2	Magadan	20.76	29	eP	P	13 10 30.4	+0.2
MA2	Magadan	20.76	29	iP	P	13 04 03.8	-0.1
MA2				pmx	pmx		
YULB	Yu-i	20.93	206	eP	P	13 04 04.6	-1.3
PET	Petrovlovsk-	21.05	51	eP	P	13 04 05.3	-1.2
PET	comp=Z,195nm,0.8s			P	P	13 04 05.3	-1.2
PET	Petrovlovsk-	21.05	51	eP	P	13 04 05.3	-1.2
PET	comp=Z,1um,1.1s			eSP	S	13 06 35.6	+1.4
PET	Petrovlovsk-	21.05	51	eP	P	13 07 49.1	-1.6
PET				eS	S	13 07 49.1	-1.6
PET				e	P	13 14 14.8	
PET				pmx	pmx		
PET	comp=Z,3um,7.8s			pmx	pmx		
PET	comp=Z,982nm,1.1s			MLR	MLR		
PET	comp=Z,4um,12.0s			MLR	MLR		
PET	comp=Z,5um,16.0s			MLR	MLR		
TPUB	Ta-pu	21.23	207	eP	P	13 04 08.7	0.0
ENH	Enshi	21.27	241	eP	P	13 04 08.8	-0.2
TWG	Pinlang	21.53	206	eP	P	13 04 11.1	-0.2
LZH	Lanzhou	22.00	262				



5d 13h

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

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ALMA-ATA, SAINT PAUL, SITTWE, etc.

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





ASAR	comp=Z,2.8nm,0.7s,baz=157,slo=3.2,SNR=6.5	PKPPKP P'P'df	13 38 16.4 -1.4
REFA	Refahiye_ERZN 66.14 302	i P	13 09 53.3 -0.6
AKN	Aaknes 66.20 335	i P	13 09 54.5 +0.7
AKN	Kemaliye 66.38 302	e P	13 11 48.7 +0.4
AKN	Kemaliye 66.38 302	e P	13 09 56.1 +0.7
RSDY	Resadiye-TOKAT 66.43 304	e P	13 09 55.7 +0.1
CUZAR	Zara_SIVAS 66.46 304	i P	13 09 56.0 +0.1
KLNR	Kaliningrad 66.59 324	i P	13 09 55.7 -0.5
ERBA	Erbaa 66.61 304	i P	13 09 57.9 +1.2
OSL	Oslo 66.62 332	e P	13 09 56.5 +0.2
SNOP	Sinop 66.74 306	e P	13 09 57.5 +0.1
SNOP	Sinop 66.74 306	e P	13 09 57.3 -0.1
SINO	SINOP_Merkez 66.74 306	i P	13 09 57.6 +0.1
KVT	Kavak 66.80 305	e P	13 09 58.6 +0.7
GIRL	Giralia 66.88 197	e P	13 09 59.9 +1.5
SKAR	Skarslia 66.90 333	i P	13 09 58.4 +0.3
SKAR	Skarslia 66.90 333	i P	13 09 59.7
SKAR	Skarslia 66.90 333	i P	13 18 07.9 +1.7
SVSK	Karacayir 66.92 304	e P	13 09 59.2 +0.7
DIKM	Dikmen 66.93 306	e P	13 09 59.1 +0.5
DIKM	Dikmen 66.93 306	e P	13 09 59.5 +0.9
HEKM	Malatya_Hekimh 66.95 302	i P	13 10 00.7 +1.7
TOKT	Tokat 66.96 304	e P	13 09 59.2 +0.4
CUKAN	kangal_SIVAS 66.99 303	i P	13 10 00.5 +1.3
HAVZ	Havza 67.00 305	i P	13 10 00.1 +1.0
HYA	Hoyanger 67.22 334	e P	13 10 00.3 +0.4
HYA	Hoyanger 67.22 334	e P	13 10 02.0
HYA	Hoyanger 67.22 334	e P	13 18 11.2 +1.5
KONO	Kongsberg 67.22 332	e P	13 09 60.0 0.0
KONO	Kongsberg 67.22 332	i P	13 09 59.8 -0.2
KONO	Kongsberg 67.22 332	e P	13 09 59.9 0.0
KONO	Kongsberg 67.22 332	e P	13 10 01.7
KONO	Kongsberg 67.22 332	e P	13 11 54.7 -0.3
FOO	Floro 67.25 335	e P	13 10 00.5 +0.4
FOO	Floro 67.25 335	e P	13 10 01.8
FOO	Floro 67.25 335	e P	13 11 54.9 -0.3
FOO	Floro 67.25 335	e P	13 18 12.7 +2.6
FOO	Floro 67.25 335	e P	13 46 53.9
URFA	Urfa 67.27 300	e P	13 10 01.5 +0.6
KIS	Kishinev 67.30 314	i P	13 09 59.0 -1.7
KIS	Kishinev 67.30 314	i P	13 10 24.0 +0.7
KIS	Kishinev 67.30 314	i P	13 11 54.0 -1.8
KIS	Kishinev 67.30 314	i P	13 12 52.0 +1.3
KIS	Kishinev 67.30 314	i P	13 18 07.0 -4.2
KIS	Kishinev 67.30 314	i P	13 18 44.0 -1.4
KIS	Kishinev 67.30 314	i P	13 18 59.0 -3.6
KIS	Kishinev 67.30 314	i P	13 21 34.0 -2.6
KIS	Kishinev 67.30 314	i P	13 22 31.0 -1.4
KIS	Kishinev 67.30 314	i P	13 26 07.0
KIS	Kishinev 67.30 314	i P	13 10 01.5 +0.6
KIS	Kishinev 67.30 314	i P	13 10 54.0 -1.8
KIS	Kishinev 67.30 314	i P	13 18 07.0 -4.2
KIS	Kishinev 67.30 314	i P	13 18 44.0
KIS	Kishinev 67.30 314	i P	13 18 59.0
KIS	Kishinev 67.30 314	i P	13 26 07.0
KIS	Kishinev 67.30 314	i P	13 10 02.7 +0.9
KIS	Kishinev 67.30 314	i P	13 10 02.6 +1.0
CUALT	Altinyayla-SIV 67.46 303	i P	13 10 03.8 +1.7
CUGUR	Gurin_SVAS 67.47 302	i P	13 10 03.1 +1.0
BZK	Bozkurt 67.49 307	e P	13 10 02.4 +0.5
CUSAR	Sarkisla-SIVAS 67.69 303	i P	13 10 04.0 +0.6
KAGI	orum-Kargi 67.71 306	i P	13 10 04.9 +1.5
SURC	SANLIURFA_SURG74 67.74 300	i P	13 10 04.1 +0.4
ELBS	KAHRAMANMARAS70 67.80 302	i P	13 10 05.5 +1.4
IAS	IASI 67.84 314	i P	13 10 03.8 -0.2
IAS	IASI 67.84 314	i P	13 12 01.0 +1.6
LEOM	Leova 67.93 313	i P	13 10 04.4 -0.2
COAL	Sidney 67.94 44	e P	13 10 05.6 +1.0
COAL	Corum-Alaca 67.94 305	i P	13 10 06.2 +1.3
LVV	L'vov 67.95 318	e P	13 10 04.9 +0.2
LVV	L'vov 67.95 318	e P	13 18 17.0 -1.8
LVV	L'vov 67.95 318	e P	13 19 05.0
LVV	L'vov 67.95 318	e P	13 10 05.9 +0.7
LVV	L'vov 67.95 318	e P	13 10 07.0
LVV	L'vov 67.95 318	e P	13 11 58.8 -1.9
LVV	L'vov 67.95 318	e P	13 18 15.3 -4.6
DMTO	DMTO 68.10 274	e P	13 10 06.2 +0.2
YOZG	YOZGAT 68.12 304	e P	13 10 05.7 -0.3
GZT	Gaziantep 68.12 301	i P	13 10 07.5 +1.4
BEL	Beisk 68.17 321	e P	13 10 05.5 +0.6
BEL	Beisk 68.17 321	e P	13 12 01.0 -0.4
BEL	Beisk 68.17 321	e P	13 12 47.0 +1.2
BEL	Beisk 68.17 321	e P	13 13 01.9 +0.8
BEL	Beisk 68.17 321	e P	13 18 21.2 0.0

BEL	Beisk 68.17 321	e P	13 10 06.8 -2.2
BEL	Beisk 68.17 321	e P	13 27 20.1
BEL	Beisk 68.17 321	e P	13 10 06.5 +0.6
BEL	Beisk 68.17 321	e P	13 12 01.0 -0.4
BEL	Beisk 68.17 321	e P	13 12 47.0
BEL	Beisk 68.17 321	e P	13 13 01.9 +0.8
BEL	Beisk 68.17 321	e P	13 18 21.2 0.0
BEL	Beisk 68.17 321	e P	13 19 06.7
CORM	Corum 68.21 305	e P	13 10 07.2 +0.7
A04D	Lumli Island 68.27 43	P	13 10 07.8 +1.3
A04D	Lumli Island 68.27 43	P	13 18 23.0 +0.7
BNN	Bunyan 68.28 303	e P	13 10 07.3 +0.3
KURC	Kuracisale-Bar 68.30 307	e P	13 10 06.9 0.0
PELI	Kastamonu-Ara 68.30 307	i P	13 10 08.6 +1.8
PELI	Kastamonu-Ara 68.30 307	i P	13 10 08.6 +1.8
GUNE	Kayseri 68.38 303	i P	13 10 08.6 +0.9
BIR	Birad 68.39 313	i P	13 10 08.3 +0.9
BIR	Birad 68.39 313	i P	13 12 05.0 +2.0
SIRC	Yozgat 68.41 304	i P	13 10 08.3 +0.5
PRAR	RASCA 68.43 315	i P	13 10 07.8 +0.2
FLCR	GAZ 68.44 312	i P	13 10 07.9 +0.3
GAZ	Gaziantep 68.45 301	e P	13 10 07.0 +1.7
BLS5	Blasjo 68.46 333	i P	13 10 08.2 +0.7
BLS5	Blasjo 68.46 333	i P	13 10 09.4
BLS5	Blasjo 68.46 333	i P	13 12 03.6 +0.4
BSD	Bornholm Skovb 68.48 326	i P	13 18 25.4 +2.1
BSD	Bornholm Skovb 68.48 326	i P	13 10 07.5 -0.2
BSD	Bornholm Skovb 68.48 326	i P	13 10 07.5 -0.2
NLWA	Neilton Lookou 68.53 45	e P	13 10 09.8 +1.5
NLWA	Neilton Lookou 68.53 45	e P	13 10 09.8 +1.5
KNTN	Kanton 68.53 116	e P	13 12 06.6 +2.5
HCB	Kahramanmara 68.54 301	i P	13 10 09.8 +1.3
HCB	Kahramanmara 68.54 301	i P	13 10 09.8 +1.3
CANT	Cankiri 68.55 306	e P	13 10 09.1 +0.6
AYKD	Aykinkavak 68.56 301	i P	13 10 09.4 +0.8
AYKD	Aykinkavak 68.56 301	i P	13 10 09.4 +0.8
HOMB	Homborsund 68.62 331	e P	13 10 08.5 0.0
HOMB	Homborsund 68.62 331	e P	13 10 09.7
SAIM	ADANA 68.67 302	e P	13 18 26.9 +0.8
SAIM	ADANA 68.67 302	e P	13 10 10.8 +1.5
CDAG	Cicekdag 68.70 305	i P	13 10 10.4 +0.9
CDAG	Cicekdag 68.70 305	i P	13 10 10.4 +0.9
BTIN	Bartin 68.72 307	i P	13 10 09.7 +0.3
BTIN	Bartin 68.72 307	i P	13 10 09.7 +0.3
KWP	Kalwaria Pacia 68.73 319	e P	13 10 10.1 +0.7
KWP	Kalwaria Pacia 68.73 319	e P	13 10 35.9 +6.6
KWP	Kalwaria Pacia 68.73 319	e P	13 12 05.4 +0.3
KWP	Kalwaria Pacia 68.73 319	e P	13 13 07.5 +2.7
KWP	Kalwaria Pacia 68.73 319	e P	13 18 26.7 +1.0
KWP	Kalwaria Pacia 68.73 319	e P	13 19 11.8 -1.5
KWP	Kalwaria Pacia 68.73 319	e P	13 27 35.9
KWP	Kalwaria Pacia 68.73 319	e P	13 10 09.9 +0.6
KWP	Kalwaria Pacia 68.73 319	e P	13 10 10.1 +0.7
KWP	Kalwaria Pacia 68.73 319	e P	13 10 35.9
KWP	Kalwaria Pacia 68.73 319	e P	13 12 05.4 +0.3
KWP	Kalwaria Pacia 68.73 319	e P	13 13 07.5 +2.7
KWP	Kalwaria Pacia 68.73 319	e P	13 18 26.7 +1.0
KWP	Kalwaria Pacia 68.73 319	e P	13 19 11.9
ELDT	Eldivan 68.74 306	i P	13 10 10.2 +0.4
ELDT	Eldivan 68.74 306	i P	13 10 10.2 +0.4
DELI	KIRIKKALE 68.75 305	i P	13 10 10.1 +0.3
DELI	KIRIKKALE 68.75 305	i P	13 10 10.1 +0.3
KBUK	KARABUK-Merkez 68.75 307	i P	13 10 10.3 +0.6
KBUK	KARABUK-Merkez 68.75 307	i P	13 10 10.3 +0.6
ANDN	Andirin 68.75 302	i P	13 10 11.1 +1.2
ANDN	Andirin 68.75 302	i P	13 10 11.1 +1.2
TESR	Tescani 68.76 314	i P	13 10 09.6 0.0
TESR	Tescani 68.76 314	i P	13 12 06.4 +1.0
TESR	Tescani 68.76 314	i P	13 38 10.1 -9.5
BIZ	Bicaz 68.77 315	i P	13 10 10.1 +0.4
BIZ	Bicaz 68.77 315	i P	13 12 06.9 +1.4
BIZ	Bicaz 68.77 315	i P	13 38 14.5 -5.0
BUR08	Bucovina Ar. S 68.78 276	e P	13 10 10.0 +0.2
RBK	Rabkut 68.78 275	P	13 10 10.2 -0.1
KUZU	Kuzuini 68.78 301	i P	13 10 11.1 +1.1
KUZU	Kuzuini 68.78 301	i P	13 10 11.1 +1.1
GKP	Gorka Klasztor 68.79 324	e P	13 10 10.1 +0.5
GKP	Gorka Klasztor 68.79 324	e P	13 12 04.9 -0.5
GKP	Gorka Klasztor 68.79 324	e P	13 13 05.0 0.0
GKP	Gorka Klasztor 68.79 324	e P	13 18 26.8 -1.4
GKP	Gorka Klasztor 68.79 324	e P	13 27 37.5
GKP	Gorka Klasztor 68.79 324	e P	13 10 10.1 +0.5
GKP	Gorka Klasztor 68.79 324	e P	13 12 04.9 -0.5
GKP	Gorka Klasztor 68.79 324	e P	13 13 05.0 0.0
GKP	Gorka Klasztor 68.79 324	e P	13 18 26.8 -1.4
GKP	Gorka Klasztor 68.79 324	e P	13 27 37.5
KAMA	Osmaniyeh 68.79 301	i P	13 10 10.6 +0.6
KAMA	Osmaniyeh 68.79 301	i P	13 10 10.6 +0.6
BURAR	Bucovina Array 68.79 316	i P	13 10 10.2 +0.3
BURAR	Bucovina Array 68.79 316	i P	13 12 05.7 0.0
BURAR	Bucovina Array 68.79 316	i P	13 38 07.5 -1.4
CFR	Carcaliu 68.81 312	i P	13 10 09.7 -0.2
CFR	Carcaliu 68.81 312	i P	13 38 07.4 -1.5
WHFO	Wadi Hawi 68.83 275	P	13 10 10.4 -0.2
D03D	Eldon 68.84 44	P	13 10 11.5 +1.5
B05A	Bryant 68.87 43	P	13 10 11.4 +1.1
AVNS	Neveshir-Avano 68.92 304	i P	13 10 11.0 +0.2
PETR	Petresti 68.95 313	i P	13 10 12.2 +1.5
B06A	Marblemont 69.01 43	e P	13 10 11.3 +0.3
KMY	Karmoy 69.02 333	e P	13 10 11.6 +0.7
KMY	Karmoy 69.02 333	e P	13 10 13.4
ODDBI	Odobesti 69.02 313	i P	13 10 13.1 +1.9
ODDBI	Odobesti 69.02 313	i P	13 12 10.6 +3.5
SNART	Sartemo 69.02 332	i P	13 10 11.3 +0.4
YAHY	KAYSERLI_Yahyal 69.04 303	i P	13 10 12.0 +0.4
COP	Copenhagen 69.06 328	i P	13 10 11.8 +0.6
COP	Copenhagen 69.06 328	i P	13 12 05.8
COP	Copenhagen 69.06 328	i P	13 10 11.8 +0.6
COP	Copenhagen 69.06 328	i P	13 12 05.8
BR101	Keşkin Array S 69.08 305	e P	13 10 11.8 -0.1
BR101	Keşkin Array S 69.08 305	e P	13 10 31.6 +0.4
BR131	Keşkin Array S 69.08 305	e P	13 10 11.8 -0.1
BR131	Keşkin Array S 69.08 305	e P	13 10 11.8 -0.1
BRTR	Keşkin Array B 69.08 305	e P	13 10 11.8 -0.1
BRTR	Keşkin Array B 69.08 305	e P	13 10 31.7 +0.4
BRTR	Keşkin Array B 69.08 305	e P	13 12 08.2 +0.3

BRTR	comp=Z,104nm,0.9s,baz=64,slo=2.5,SNR=12	SKKP	13 32 30.1
BRTR	comp=Z,16nm,0.9		

NIE	eS	S	13 18 42.5 -0.2
NIE	eP	P	13 19 23.3
MDUB	Mudurnu	70.07 307	eP P 13 10 17.7 0.0
DED	Mersin	70.10 302	iP P 13 10 18.6 +0.8
DED	comp-Z,225nm,0.2s	IAML_P	
SULT	Sultanhani-AKS	70.11 304	eP P 13 10 18.1 +0.1
BTAS	Taskesti	70.12 307	iP P 13 10 19.0 +1.0
BTAS	comp-Z,19um,0.7s	IAML_P	
PLAR	PLOIESTI	70.12 313	iP P 13 10 17.7 +1.0
PLAR	PLOIESTI	70.12 313	iP P 13 12 15.4 +1.2
SULR		70.16 317	iP P 13 10 18.7 +0.8
SULR		70.16 313	iP P 13 12 14.0 -0.4
B08A	Colville Reser	70.19 42	eP P 13 10 19.3 +1.1
B08A	comp-Z,402nm,0.8s		
MDB	Medias	70.19 315	iP P 13 10 18.3 +0.2
CJR	Cluj-Napoca	70.22 316	iP P 13 10 19.6 +1.3
CJR	Cluj-Napoca	70.22 316	iP P 13 12 17.0 +2.2
KERG	Konya-Eregli	70.23 303	iP P 13 10 19.0 +0.3
KERG	comp-Z,5um,0.4s	IAML_P	
EIDS	Eidsvold	70.24 161	eP P 13 10 19.9 +1.3
EIDS	comp-Z,128nm,0.8s		
CHBY	Cihanbeyli	70.25 304	eP P 13 10 18.6 -0.2
LTY	Liberty	70.26 43	eP P 13 10 19.4 +0.7
KAND	Kocaeli-Kandir	70.26 308	iP P 13 10 19.4 +0.8
KAND	comp-Z,7um,0.8s	IAML_P	
G03D	McMinnville, O	70.27 46	P 13 10 20.1 +1.5
G03D	baz=311,SNR=23		
LRW	Lerwick	70.27 337	eP P 13 10 19.2 +0.9
LRW	comp-Z,503nm,0.9s	IAMB	
AUMIH	MIHALICIK	70.28 306	eP P 13 10 18.7 -0.3
AUMIH	MIHALICIK	70.28 306	iP P 13 10 19.6 +0.6
VOIR		70.30 314	iP P 13 10 19.0 +0.1
VOIR		70.30 314	iP P 13 12 17.0 +1.6
VOIR		70.30 314	iP P 13 10 19.0 +0.1
MERS	Mersin	70.33 302	eP P 13 10 19.0 +0.8
INCR	INCERC-Sediu C	70.36 313	iP P 13 10 20.1 +1.0
SAN1	Sandwich	70.39 337	eP P 13 10 19.8 +0.8
SAUV	Serdivan-Sakar	70.41 308	eP P 13 10 19.1 -0.4
MTUR	Matau	70.44 314	iP P 13 10 19.9 +0.2
MTUR	Matau	70.44 314	iP P 13 12 18.6 +2.3
SPNC	Sapanca-Adapaz	70.45 308	eP P 13 10 19.0 -0.8
PRD	Provadia	70.49 311	iP P 13 10 19.5 -0.4
BUCl	Bucharest	70.50 313	iP P 13 10 20.2 +0.3
GULT	Gulveren	70.50 307	eP P 13 10 20.1 -0.1
AUSIV	SIVRIHISAR	70.52 306	eP P 13 10 20.3 -0.1
AUSIV	SIVRIHISAR	70.52 306	eP P 13 10 20.5 +0.2
SVRH	Sivrihisar-ESK	70.53 306	eP P 13 10 20.2 -0.2
SILT	Sile	70.54 308	eP P 13 10 20.4 +0.1
SILT	Sile	70.54 308	eP P 13 10 20.4 +0.1
RAC	Raciborz	70.57 321	eP P 13 12 17.9 +1.0
RAC	comp-Z,3um,1.2s	ePP	
RAC		70.57 321	eP P 13 12 16.4 -0.5
RAC		70.57 321	eP P 13 10 06.3
ARR	Arges	70.57 314	iP P 13 10 21.4 +0.9
ARR	Arges	70.57 314	iP P 13 12 19.3 +2.2
ARR	Arges	70.57 314	iP P 13 08 07.8 -6.3
SFJD	Kangerlussuaq	70.59 1	eP P 13 10 20.2 +0.1
SFJD	comp-Z,88nm,0.8s		
SFJD	Kangerlussuaq	70.59 1	iP P 13 10 20.4 +0.3
SFJD	comp-Z,75nm,0.6s		
SFJD	Kangerlussuaq	70.59 1	eP P 13 10 20.2 +0.1
GEVY	SAKARYA_Geyve	70.59 307	iP P 13 10 20.0 -0.6
GEVY	comp-Z,2um,0.6s	IAML_P	
SGRR	Singureni	70.61 313	iP P 13 10 20.8 +0.2
LANS	Liptovska Anna	70.61 320	eP P 13 10 21.9 +1.3
LANS		70.61 320	eP P 13 10 09.3
LANS		70.61 320	eP P 13 10 21.9 +1.3
LANS		70.61 320	eP P 13 12 17.9 +0.6
LANS		70.61 320	eP P 13 10 09.3 +2.6
DRGR		70.62 316	iP P 13 10 19.0 -0.3
DRGR		70.62 316	iP P 13 12 18.6 +1.2
DRGR		70.62 316	iP P 13 10 37.7 -1.2
DRGR		70.62 316	iP P 13 08 06.7 -7.2
DRGR		70.62 316	iP P 13 10 21.1 +0.4
LTVH	Ltvartes, Hu	70.63 317	iP P 13 12 16.1 -1.3
LTVH	comp-Z,11um,0.3s		
COR	Corvallis	70.66 47	eP P 13 10 22.8 +1.9
COR	comp-Z,1um,0.9s		
COR	Corvallis	70.66 47	eP P 13 10 22.8 +1.9
SRCK	Saricakaya, Es	70.68 307	eP P 13 10 20.9 -0.2
SRCK	Saricakaya, Es	70.68 307	eP P 13 10 21.0 -0.2
SRCK	comp-Z,12um,0.7s	IAML_P	
I02D	Swisshome	70.68 47	P 13 10 22.7 +1.6
I02D	baz=311,SNR=28		
BORG	Borgarnes	70.69 348	eP P 13 10 23.3 +2.6
BORG	comp-Z,183nm,0.9s		
BORG	Borgarnes	70.69 348	eP P 13 10 23.3 +2.6
HRT	Hereke	70.74 308	eP P 13 10 21.7 +0.2
HRT	comp-Z,1um,1.4s		
GOLR		70.74 314	iP P 13 12 21.4 +3.3
OKC	Ostrava-Krasne	70.76 321	iP P 13 10 21.9 +0.5
OKC		70.76 321	iP P 13 12 17.8 -0.3
OKC		70.76 321	iP P 13 18 49.3 -1.5
OKC	Ostrava-Krasne	70.76 321	iP P 13 10 21.9 +0.5
OKC		70.76 321	iP P 13 12 17.9 +0.3
OKC		70.76 321	iP P 13 18 49.3 -1.5
OKC		70.76 321	iP P 13 22 17.2 -1.7
KDHN	Kadinhani	70.76 305	iP P 13 10 21.9 +0.1
KDHN	comp-Z,3um,0.6s	IAML_P	
F05D	White Salmon	70.77 45	P 13 10 23.0 +1.4
F05D	baz=312,SNR=66		
KIZK	Mersin	70.81 302	eP P 13 10 21.6 -0.3
KIZK	Mersin	70.81 302	iP P 13 10 22.5 +0.6
KIZK	comp-Z,42um,0.8s	IAML_P	
LADK	Ladik-KONYA	70.81 304	eP P 13 10 21.9 -0.2
KLYT	Kilyos	70.83 309	eP P 13 10 22.0 +0.1
KLYT	Kilyos	70.83 309	eP P 13 10 22.3 +0.4
KLYT	Kilyos	70.83 309	iP P 13 11 19.4 +0.7
CIFC	Ciftele, Eski	70.85 306	eP P 13 10 21.5 +0.5
CIFC	Ciftele, Eski	70.85 306	iP P 13 10 23.0 +0.7
CIFC	comp-Z,14um,0.8s	IAML_P	
BORA	Esiksehir	70.89 307	eP P 13 10 22.3 -0.2
BORA	Esiksehir	70.89 307	iP P 13 10 22.7 +0.2
BORA	comp-Z,16um,0.9s	IAML_P	
KSP	Ksiaz	70.90 322	eP P 13 10 23.1 +0.8
KSP		70.90 322	eP P 13 12 18.5 +1.1
KSP		70.90 322	eP P 13 12 18.5 +0.5
KSP		70.90 322	eP P 13 13 18.0 -0.4
KSP		70.90 322	eP P 13 18 51.4 -1.0
KSP		70.90 322	eP P 13 28 37.1
KSP		70.90 322	eP P 13 10 23.1 +0.8
KSP		70.90 322	eP P 13 12 18.5 -0.5
KSP		70.90 322	eP P 13 13 18.0 -0.4
KSP		70.90 322	eP P 13 18 51.4 -1.0
KSP		70.90 322	eP P 13 28 37.1
KSP		70.90 322	eP P 13 10 23.1 +0.8
KSP		70.90 322	eP P 13 12 18.5 -0.5
KSP		70.90 322	eP P 13 13 18.0 -0.4
KSP		70.90 322	eP P 13 18 51.4 -1.0
KSP		70.90 322	eP P 13 28 37.1
ISK	Istanbul-Kandi	70.94 309	eP P 13 10 22.5 -0.1
KAMV	Kandilli-Istan	70.94 309	eP P 13 10 22.6 0.0
HUMR	Humele	70.94 313	iP P 13 10 22.1 -0.5
HUMR	Humele	70.94 313	iP P 13 12 19.2 -0.2
ADVT	Abdulvahap	70.95 308	eP P 13 10 22.7 0.0
LOT	Lotru	70.97 315	eP P 13 10 23.1 +0.2
LOT	Lotru	70.97 315	iP P 13 10 23.5 +0.6
KONT	Konya-Tatoy	70.98 304	iP P 13 10 23.0 0.0
KONT	Konya-Tatoy	70.98 304	iP P 13 10 24.0 +1.0
KONT	comp-Z,19um,0.8s	IAML_P	
HOAD	Lebanon	71.00 47	P 13 10 24.4 +1.5
HOAD	baz=312,SNR=56		
BGKT	Bogazkoy	71.03 309	eP P 13 10 22.9 -0.2
CAVI	CAVUSKoy	71.04 307	eP P 13 10 23.4 +0.1
BUY	Buyukada	71.04 308	eP P 13 10 23.4 +0.2
BUY	Buyukada	71.04 308	iP P 13 10 23.7 +0.5
BUY	comp-Z,23um,0.8s	IAML_P	
HWQ	Hawqa	71.06 299	eP P 13 10 23.3 -0.3
YLV	Yalova	71.08 308	eP P 13 10 23.4 -0.2

YLV	Yalova	71.08 308	iP P 13 10 23.4 -0.2
YLV	Yalova	71.08 308	iP P 13 12 21.4 +1.0
YLV	Yalova	71.08 308	iP P 13 38 08.9 -3.6
MORC	Moravsky Berou	71.08 321	eP P 13 10 24.0 +0.6
MORC	comp-Z,628nm,0.9s		
MORC	Moravsky Berou	71.08 321	iP P 13 10 24.3 +0.9
MORC	Moravsky Berou	71.08 321	iP P 13 12 20.6 +0.4
MORC	Moravsky Berou	71.08 321	eP P 13 10 24.0 +0.6
MORC	Moravsky Berou	71.08 321	iP P 13 10 24.0 +0.6
MORC	Moravsky Berou	71.08 321	iP P 13 12 20.0 -0.2
MORC	Moravsky Berou	71.08 321	iP P 13 13 13.0 +2.4
MORC	Moravsky Berou	71.08 321	iP P 13 18 53.9 -0.7
MORC	Moravsky Berou	71.08 321	iP P 13 38 02.0
MORC	Moravsky Berou	71.08 321	iP P 13 10 24.5 +1.1
K09A	Chrisman Ranch	71.09 42	eP P 13 10 24.4 +0.7
K09A	comp-Z,1um,0.8s		
KMER	Konya-Meram	71.09 304	iP P 13 10 24.4 +0.7
KMER	comp-Z,9um,0.7s	IAML_P	
KEBE	Keben-Mersin	71.10 302	eP P 13 10 23.8 +0.1
AUBOZ	BOZOYUK	71.11 307	eP P 13 10 23.6 -0.2
DEV	Deva	71.13 315	iP P 13 10 24.5 +0.8
DEV	Deva	71.13 315	iP P 13 12 23.1 +2.5
CTKS	Kestanelik-?a	71.14 309	eP P 13 10 23.6 -0.2
E07A	Sunnyside	71.14 44	eP P 13 10 24.9 +1.2
E07A	comp-Z,763nm,0.8s		
IZI	Iznik	71.17 308	eP P 13 10 24.3 +0.2
H04A	Detroit Lake	71.19 46	eP P 13 10 25.0 +0.9
H04A	comp-Z,833nm,0.9s		
I03D	Drain, OR	71.22 48	P 13 10 25.9 +1.7
KRLC	Kraliky	71.22 322	iP P 13 10 25.0 +0.8
KRLC		71.22 322	iP P 13 12 20.3 -0.8
KRLC		71.22 322	iP P 13 13 14.2
KRLC		71.22 322	iP P 13 10 25.0 +0.8
KRLC		71.22 322	iP P 13 12 20.3 -0.8
KRLC		71.22 322	iP P 13 13 14.2 +2.4
KRLC		71.22 322	iP P 13 10 26.1 +1.7
KEBM	Edson Butte	71.23 49	eP P 13 10 25.2 +0.9
KEBM	comp-Z,1um,1.2s		
DPC	Dobruska-Polom	71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC		71.24 322	iP P 13 19 32.8
DPC		71.24 322	iP P 13 10 25.2 +0.9
DPC		71.24 322	iP P 13 12 21.8 +0.6
DPC		71.24 322	iP P 13 18 55.2 -1.1
DPC			







Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like H01W2 Cape Leeuwin H, SMCC Simmler, HWUT Hardwood, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like O20A White River Ci, O20A White River Ci, KNB Murrieta, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like SDCO Great Sand Dun, F41A Three Lakes, F41A Three Lakes, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SCIA State Center, E50A Wahnapitae, F48A Evansville, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PAB San Pablo, PAB San Pablo, N41A Hanft, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like FRNY Flat Rock, Q41A Truxton, HIZ Haulti, etc.

L55A	Hinsdale	91.39	21	P	P	13 12 07.9	0.0
ALLY	Alegheny Cole	91.41	23	eP	P	13 12 08.4	+0.5
N51A	Ashland	91.42	25	P	P	13 12 08.1	+0.1
HNH	Hanover	91.43	17	eP	P	13 12 09.2	+1.3
ACCN	Adirondack Com	91.44	18	eP	P	13 12 08.4	+0.4
P47A	Martinsville	91.44	28	P	P	13 12 08.6	+0.5
M53A	WI Miller	91.45	23	P	P	13 12 08.5	+0.4
Q49A	Covington	91.46	26	eP	P	13 12 08.7	+0.4
Q49A	Covington	91.46	26	P	P	13 12 08.6	+0.4
Q46A	CEJHS Indians	91.47	29	P	P	13 12 08.5	+0.3
R44A	Waltonville	91.52	31	P	P	13 12 09.8	+0.4
GBN	Guyshorough	91.53	9	eP	P	13 12 09.5	+1.2
KWHZ	Kaweka Forest	91.53	147	P	P	13 12 08.5	+0.2
PNCL	Nicolaou / Gran	91.54	329	eP	P	13 12 08.3	-0.3
BLO	Bloomington	91.63	28	eP	P	13 12 09.8	+0.8
BLO	Bloomington	91.63	28	eP	P	13 12 09.8	+0.8
REAL	Reales	91.65	326	eP	P	13 12 09.1	-0.2
MCHZ	McNeill Hill	91.66	146	P	P	13 12 09.3	+0.5
GIBL	Gibaldin	91.66	327	iP	P	13 12 09.3	+1.1
M54A	Oil Creek Stat	91.68	23	P	P	13 12 09.3	+0.2
M54A	Oil Creek Stat	91.68	23	P	P	13 12 09.3	+0.2
U40A	Yelville	91.68	34	P	P	13 12 10.0	+0.7
KRHZ	Keruru	91.69	147	P	P	13 12 09.7	+0.7
N52A	McGinn's Farm	91.72	24	P	P	13 12 09.4	0.0
DUWZ	Du'Urville Isla	91.73	149	P	P	13 12 09.6	+0.5
O50A	Cable	91.73	26	P	P	13 12 09.9	+0.4
S43A	Fulton Ridge	91.74	32	P	P	13 12 09.8	+0.2
P48A	Milroy	91.75	27	P	P	13 12 09.7	+0.2
ABTX	Abilene, Hawle	91.77	41	eP	P	13 12 10.7	+0.9
ABTX	Abilene, Hawle	91.77	41	P	P	13 12 10.7	+0.9
PCVE	Castro Verde	91.78	329	eP	P	13 12 10.0	+0.3
PCVE	Skylar, Fairfri	91.78	30	eP	P	13 14 15.3	+1.1
R45A	Skylar, Fairfri	91.78	30	P	P	13 12 10.3	+0.7
ALJ	Aljibe	91.79	326	iP	P	13 12 11.0	+1.2
ACSO	Alum Creek Sta	91.85	25	eP	P	13 12 10.4	+0.4
ACSO	Alum Creek Sta	91.85	25	P	P	13 12 10.4	+0.4
Q47A	Bedord North L	91.88	28	P	P	13 12 10.7	+0.5
NNZ	Nelson	91.88	149	P	P	13 12 09.7	-0.1
NSZ	Takapari Road	91.88	147	P	P	13 12 09.5	-0.4
P49A	Miami Univ. Ec	91.92	27	P	P	13 12 10.6	+0.2
SIUC	Southern Ilin	91.94	31	eP	P	13 12 11.3	+0.8
S44A	Carbon	91.94	31	P	P	13 12 11.1	+0.7
M55A	Ridgway	91.96	22	P	P	13 12 10.7	+0.2
N53A	Liston	91.98	24	P	P	13 12 11.0	+0.4
BINY	Binghamton	92.01	20	eP	P	13 12 10.9	+0.2
BINY	Binghamton	92.01	20	P	P	13 12 10.7	0.0
O1A	Pataskala	92.05	25	P	P	13 12 11.2	+0.3
SFS	San Fernando	92.07	327	eP	P	13 12 12.7	+1.7
U41A	Viola	92.07	33	P	P	13 12 11.6	+0.5
T43A	Greenville	92.08	32	P	P	13 12 11.4	+0.3
N54A	Moraine State	92.09	23	eP	P	13 12 11.6	+0.5
N54A	Moraine State	92.09	23	P	P	13 12 11.6	+0.5
CNIL	Conil	92.09	327	iP	P	13 12 12.7	+1.6
X37A	Clayton	92.11	37	eP	P	13 12 12.3	+1.0
PTEO	Sao Teotonio	92.11	329	eP	P	13 12 11.6	+0.4
Q48A	North Vernon	92.12	28	P	P	13 12 11.8	+0.6
R46A	Gibson Southern	92.13	29	P	P	13 12 11.7	+0.4
KIW	Kapiti Island	92.16	148	P	P	13 12 10.0	-1.1
P50A	Jamestown	92.16	26	P	P	13 12 11.8	+0.4
THZ	Tophouse	92.18	150	P	P	13 12 11.2	0.0
S45A	Carrier Mills	92.21	30	P	P	13 12 12.3	+0.6
TCW	Tony Chanell	92.22	149	P	P	13 12 10.6	-0.7
MRZ	Mangatahaka R	92.25	148	P	P	13 12 11.3	-0.2
TUWZ	Tuamarina	92.28	149	P	P	13 12 10.8	-0.8
W39A	Magazine	92.28	35	eP	P	13 12 12.8	+0.7
W39A	Magazine	92.28	35	P	P	13 12 12.6	+0.5
PBMA	Poplar Bluff	92.29	32	eP	P	13 12 12.6	+0.6
MORF	Marmelete	92.30	329	eP	P	13 12 12.6	+0.5
MORF	Marmelete	92.30	329	eP	P	13 12 12.3	+0.1
O52A	Adamsville	92.32	25	eP	P	13 12 12.3	+0.2
O52A	Adamsville	92.32	25	P	P	13 12 12.5	+0.3
Q49A	Aurora	92.34	27	P	P	13 12 12.7	+0.4
O53A	New Philadelphia	92.38	24	P	P	13 12 12.8	+0.3
TX31	Lajitas Ar. Si	92.40	46	eP	P	13 12 14.5	+1.7
LTX	Lajitas	92.40	46	eP	P	13 12 13.9	+1.0
TXAR	Lajitas Array	92.40	46	eP	P	13 12 13.9	+1.0
TXAR	comp-Z, 21nm, 0.9s, baz=300, slow=2.7, SNR=6.6					13 14 17.5	+0.2
TXAR	comp-Z, 12nm, 1.0s, baz=316, slow=3.8, SNR=3.7					13 16 00.2	-2.9
TXAR	comp-Z, 3.8nm, 0.8s, baz=162, slow=6.8, SNR=9.9					13 29 23.2	+1.1
TXAR	comp-Z, 3.4nm, 1.0s, baz=134, slow=6.4, SNR=4.4					13 32 06.6	+3.5
R47A	Wooly Knot Far	92.41	29	P	P	13 12 13.1	+0.5
HOWZ	Holdsworth Sta	92.42	148	P	P	13 12 11.3	-1.0
CAW	Cannon Point	92.43	148	P	P	13 12 12.3	0.0
P51A	Williamsart	92.51	26	P	P	13 12 13.0	0.0
S46A	Don Dixon Farm	92.53	30	P	P	13 12 13.4	+0.3
BFZ	Birch Farm	92.53	147	P	P	13 12 12.9	+0.1
N55A	Marion Center	92.54	22	P	P	13 12 13.5	+0.3
R48A	Northridge Ran	92.55	28	P	P	13 12 13.8	+0.6
WCI	Wyandotte Cave	92.55	29	eP	P	13 12 13.8	+0.5
WCI	Wyandotte Cave	92.55	29	eP	P	13 12 13.8	+0.5
WCI	Wyandotte Cave	92.55	29	P	P	13 12 13.7	+0.5
MTW	Mount Morrison	92.64	148	P	P	13 12 13.4	+0.1
P52A	Corning	92.67	25	P	P	13 12 13.7	0.0

KSPA	Keystone Colle	92.67	20	eP	P	13 12 14.1	+0.4
O54A	Avella	92.69	24	P	P	13 12 14.3	+0.4
HRV	Adam Dzewonsk	92.73	17	eP	P	13 12 15.1	+1.1
HRV	Adam Dzewonsk	92.73	17	eP	P	13 12 15.1	+1.1
HRV	Adam Dzewonsk	92.73	17	P	P	13 12 14.4	+0.5
T45A	Paducah	92.77	31	eP	P	13 12 14.4	+0.1
T45A	Paducah	92.77	31	P	P	13 12 14.9	+0.6
Q50A	Georgetown	92.79	27	P	P	13 12 14.5	+0.2
U44A	Portageville	92.82	32	P	P	13 12 15.1	+0.6
WHAR	Wooly Hollow	92.83	34	eP	P	13 12 15.2	+0.7
Q51A	Peebles	92.83	26	eP	P	13 12 14.9	+0.4
Q51A	Peebles	92.83	26	P	P	13 12 14.8	+0.2
R49A	Shelbyville	92.89	28	P	P	13 12 15.2	+0.4
S47A	Hard	92.91	29	P	P	13 12 14.9	0.0
MIAR	Mount Ida	92.93	36	eP	P	13 12 16.1	+1.1
MIAR	Mount Ida	92.93	36	eP	P	13 12 16.1	+1.1
MIAR	Mount Ida	92.93	36	P	P	13 12 16.1	+1.1
W41B	Gary Mavity, V	92.95	34	eP	P	13 12 15.6	+0.6
W41B	Gary Mavity, V	92.95	34	P	P	13 12 15.7	+0.6
SSPA	Standing Stone	92.98	22	eP	P	13 12 15.4	+0.2
SSPA	Standing Stone	92.98	22	P	P	13 12 15.3	+0.1
KHZ	Kahutara	92.98	150	P	P	13 12 13.1	-1.7
O55A	Ligier	92.98	23	P	P	13 12 15.0	+0.2
T46A	Princeton	93.03	30	P	P	13 12 16.1	+0.7
P53A	Whipple	93.03	25	eP	P	13 12 15.8	+0.4
P53A	Whipple	93.03	25	P	P	13 12 15.7	+0.3
O56A	Blue Knob Stat	93.14	22	eP	P	13 12 16.2	+0.3
O56A	Blue Knob Stat	93.14	22	P	P	13 12 16.0	+0.1
S48A	Wiedeman Farm	93.15	29	P	P	13 12 16.3	+0.3
R50A	Paris	93.18	27	P	P	13 12 16.5	+0.4
P54A	Burton	93.20	24	P	P	13 12 16.7	+0.5
OXZ	Oxford	93.23	151	eP	P	13 12 16.3	+0.4
Q52A	Bidwell	93.24	25	P	P	13 12 16.3	0.0
UALR	University of	93.25	35	eP	P	13 12 17.4	+0.9
N59A	State Game Lan	93.27	20	eP	P	13 12 16.7	+0.2
N59A	State Game Lan	93.27	20	P	P	13 12 16.8	+0.2
SLBS	Sierra La Lagu	93.28	53	eP	P	13 12 18.6	+1.7
X40A	Basin Creek Fa	93.29	35	eP	P	13 12 17.4	+0.8
X40A	Basin Creek Fa	93.29	35	P	P	13 12 17.6	+0.5
S49A	Springfield	93.30	28	P	P	13 12 17.2	+0.5
MCWV	Mont Chateau	93.33	23	eP	P	13 12 17.5	+0.7
MCWV	Mont Chateau	93.33	23	P	P	13 12 17.5	+0.7
WHTX	Lake Whitney	93.33	40	eP	P	13 12 17.7	+0.9
WHTX	Lake Whitney	93.33	40	P	P	13 12 17.8	+0.7
T47A	Sharon Grove	93.37	30	eP	P	13 12 17.4	+0.4
T47A	Sharon Grove	93.37	30	P	P	13 12 17.5	+0.4
R51A	Hillsboro	93.41	27	P	P	13 12 17.5	+0.3
JCT	Junction City	93.45	42	P	P	13 12 18.2	+0.7
P55A	Reedsville	93.48	23	P	P	13 12 18.0	+0.5
T48A	Boing Green	93.52	29	P	P	13 12 18.0	+0.3
LBZ	Lake Benmore	93.53	153	eP	P	13 12 19.0	+1.7
U46A	Springville	93.53	31	P	P	13 12 18.4	+0.7
Q53A	Leroy	93.56	25	P	P	13 12 18.4	+0.6
KMBO	Kilima Mbogo	93.56	272	P	P	13 12 19.1	+0.6
KMBO	Kilima Mbogo	93.56	272	P	P	13 14 24.7	+1.3
KMBO	Kilima Mbogo	93.56	272	P	P	13 16 13.2	-0.1
KMBO	Kilima Mbogo	93.56	272	P	P	13 12 19.0	+0.4
KMBO	Kilima Mbogo	93.56	272	P	P	13 12 19.1	+0.6
KMBO	Kilima Mbogo	93.56	272	P	P	13 12 18.5	0.0
PMOR	PMOR	93.62	107	eP	P	13 12 19.0	+0.7
PMOR	PMOR	93.62	107	eP	P	13 14 25.7	-0.6
PAL	Palisades	93.64	19	eP	P	13 12 18.4	+0.3
PAL	Palisades	93.64	19	eP	P	13 12 18.4	+0.3
PAL	Palisades	93.64	19	P	P	13 12 18.2	+0.1
Q54A	Coxs Mills	93.66	24	P	P	13 12 18.7	+0.4
R52A	Catsburg	93.69	26	P	P	13 12 17.9	-0.5
S50A	Richmond	93.70	27	P	P	13 12 18.6	+0.1
U47A	Clarksville	93.78	30	P	P	13 12 19.4	+0.5
T49A	Edmonton	93.83	29	eP	P	13 12 19.3	+0.2
T49A	Edmonton	93.83	29	P	P	13 12 19.5	+0.4
M65A	Busby, Falmost	93.83	16	P	P	13 12 19.2	+0.2
WVT	Waverly	93.86	31	eP	P	13 12 19.8	+0.5
WVT	Waverly	93.86	31	eP	P	13 12 19.8	+0.5
WVT	Waverly	93.86	31	P	P	13 12 19.7	+0.5
Q55A	Buckhannon	93.88	24	P	P	13 12 19.6	+0.3
R53A	Hurricane	93.91	25	P	P	13 12 19.8	+0.3
VAH	Yalhoa	93.96	107	eP	P	13 12 20.5	+0.6
VAH	Yalhoa	93.96	107	eP	P	13	



Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Plateau Road, Allen Road, Arah, etc.

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LZH, N41A, P42A, etc.

THE 05 13:30:48.7,36°67'N-22°24'E, h0km, 2km, ML2.1,3, Error ellipse: s-maj=9.4km s-min=0.5km az=272.0
ATH 05:07:47.6,36°69'N-22°31'E, h6km, 2km, ML2.1,4, Error ellipse: s-maj=2.9km s-min=1.0km az=66.0, Southern Greece







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MJAR	Matsushiro Arr	47.19	273	P	P	14 12 27.0	-0.3
MJB9	Matsu-Tunnel	47.19	273	eP	P	14 12 26.4	-1.0
H1S1	WAKE ISLAND Hy	47.22	231	T	T	15 04 23.6	
H1S2	WAKE ISLAND Hy	47.23	231	T	T	15 04 23.2	
H1S3	WAKE ISLAND Hy	47.24	231	T	T	15 04 25.7	
MIAR	Mount Ida	47.25	91	P	P	14 12 28.4	+0.6
D54A	Lac Fusel, La	47.28	66	P	P	14 12 28.1	+0.2
N48A	Decatur	47.30	78	P	P	14 12 28.1	0.0
E53A	Dumoine, Ponti	47.31	67	P	P	14 12 28.1	0.0
H52A	Wyevale	47.36	71	P	P	14 12 28.6	0.0
ALGO	Algonquin Park	47.40	68	P	P	14 12 28.6	-0.2
M49A	Liberty Center	47.43	77	P	P	14 12 29.1	0.0
E54A	Lac Duplat, Po	47.51	67	P	P	14 12 29.3	-0.3
P47A	Martinsville	47.61	80	P	P	14 12 30.7	+0.1
S45A	Carrier Mills	47.67	84	P	P	14 12 31.0	0.0
G53A	Haliburton	47.68	69	P	P	14 12 31.0	0.0
N49A	Columbus Grove	47.71	77	P	P	14 12 31.2	-0.1
HIA	Hailar	47.87	299	eP	P	14 12 31.1	-1.4
Q47A	Bedford North L	47.92	81	P	P	14 12 33.3	+0.3
PEMO	Pembroke	48.00	68	P	P	14 12 33.1	-0.3
J52A	Paris	48.03	72	P	P	14 12 34.4	+0.7
P48A	Milroy	48.09	80	P	P	14 12 33.8	-0.5
BANO	Bancroft	48.11	69	P	P	14 12 34.6	+0.3
Q48A	North Vernon	48.30	80	P	P	14 12 35.8	-0.1
R47A	Woolly Knot Far	48.33	81	P	P	14 12 36.3	+0.2
F55A	Otter Lake	48.34	67	P	P	14 12 35.9	-0.2
TYNO	Tyneside	48.45	72	P	P	14 12 37.4	+0.5
DRWO	Darlington Wes	48.50	71	P	P	14 12 37.8	+0.5
T46A	Princeton	48.50	84	P	P	14 12 37.5	0.0
PLVO	Plevna	48.53	68	P	P	14 12 37.5	-0.1
G55A	Calabogie	48.56	68	P	P	14 12 38.0	+0.2
O50A	Cable	48.56	78	P	P	14 12 37.5	-0.4
DELO	Deloro Mine	48.62	69	P	P	14 12 38.2	0.0
WLVO	Wesleyville	48.63	70	P	P	14 12 38.5	+0.1
SCO	Scoresbysund	48.73	19	eP	P	14 12 38.6	0.0
SCO	Scoresbysund	48.73	19	iP	P	14 12 38.5	-0.2
SCO	Scoresbysund	48.73	19	iP	P	14 12 38.5	-0.2
SCO	Scoresbysund	48.73	19	iP	P	14 12 38.5	-0.2
I55A	Frankford	48.79	70	P	P	14 12 39.5	-0.1
CN2	Changchun	48.80	290	eP	P	14 12 38.6	-1.1
CN2				eP	P	14 12 53.9	-6.8
CN2				eS	P	14 13 01.1	-9.4
CN2				eS	P	14 19 36.0	-0.1
CN2	comp=Z,40nm,0.9s				P		
CN2	comp=Z,200nm,5.0s				P		
CN2	comp=Z,370nm,20.0s				LR	LR	
CN2	comp=Z,390nm,20.0s				LR	LR	
CN2	comp=Z,340nm,22.0s				LR	LR	
H55A	Tweed	48.81	69	P	P	14 12 39.9	+0.1
ACSO	Alum Creek Sta	48.84	77	P	P	14 12 40.0	0.0
U46A	Springville	48.85	85	P	P	14 12 40.2	+0.1
P50A	Jamestown	48.85	78	P	P	14 12 39.8	-0.3
J54A	Appleton	48.96	71	P	P	14 12 41.5	+0.6
T47A	Sharon Grove	48.97	83	P	P	14 12 41.3	+0.2
TRQ	Mont Tremblant	48.97	66	eP	P	14 12 40.0	-1.0
ORIO	Orleans, Innes	49.03	67	P	P	14 12 41.3	0.0
LATQ	La Tuque	49.04	63	P	P	14 12 41.3	-0.1
S48A	Wiedeman Farm,	49.05	82	P	P	14 12 42.0	+0.4
L53A	Girard	49.05	73	P	P	14 12 41.9	+0.3
R49A	Shelbyville	49.07	80	P	P	14 12 42.2	+0.5
ERPA	Eric	49.08	73	P	P	14 12 42.4	+0.6
O51A	Pataskala	49.10	77	P	P	14 12 41.8	-0.2
MEDO	Medina	49.14	71	P	P	14 12 42.8	+0.6
M53A	WI Miller and	49.20	74	P	P	14 12 42.8	+0.1
WVT	Waverly	49.21	84	P	P	14 12 42.9	+0.1
ALFO	Alfred	49.22	66	P	P	14 12 42.5	-0.3
H56A	Elgin	49.26	68	P	P	14 12 43.1	+0.1
T48A	Bowling Green	49.27	82	P	P	14 12 43.0	-0.3
U47A	Clarksville	49.27	84	P	P	14 12 43.5	+0.2
V46A	Holladay	49.30	85	P	P	14 12 43.5	0.0
PECO	Prince Edward	49.34	69	P	P	14 12 43.6	-0.2
J55A	Hilton	49.39	71	P	P	14 12 44.7	+0.5
Q51A	Peebles	49.52	78	P	P	14 12 45.3	+0.1
R50A	Paris	49.53	80	P	P	14 12 45.5	+0.2
O52A	Adamsville	49.53	76	P	P	14 12 45.5	+0.2
OXF	Oxford	49.55	87	P	P	14 12 45.6	+0.2
N53A	Lisbon	49.57	75	P	P	14 12 45.7	+0.2
V47A	Nunnelly	49.60	84	P	P	14 12 46.2	+0.3
U48A	Cassie Pea, Po	49.63	83	P	P	14 12 46.6	+0.5
K55A	Perry	49.64	71	P	P	14 12 46.4	+0.3
W46A	Nichie	49.65	86	P	P	14 12 46.2	0.0
M54A	Oil Creek Stat	49.68	73	P	P	14 12 46.5	+0.1
O53A	New Philadelph	49.77	76	P	P	14 12 47.7	+0.6
L55A	Hinsdale	49.84	72	P	P	14 12 47.8	+0.2
N54A	Moraine State	49.90	74	P	P	14 12 48.2	+0.1
R51A	Hillsboro	49.92	79	P	P	14 12 48.4	+0.2
S50A	Richmond	49.93	80	P	P	14 12 48.3	-0.1

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X46A	Booneville	49.97	86	P	P	14 12 48.7	0.0
W47A	Westpoint	49.99	85	P	P	14 12 49.1	+0.2
V48A	Smith Brothers	50.05	84	P	P	14 12 48.8	-0.4
LONJ	Lake Ozonia	50.09	67	P	P	14 12 49.2	-0.3
T50A	Nancy	50.18	81	P	P	14 12 50.3	+0.1
M55A	Ridgway	50.18	73	P	P	14 12 50.3	+0.1
O54A	Avella	50.26	75	P	P	14 12 50.7	-0.1
S51A	Beattyville	50.39	80	P	P	14 12 52.1	+0.2
W48A	Pulaski	50.43	85	P	P	14 12 52.3	+0.2
V49A	Blountville	50.53	83	P	P	14 12 52.8	-0.1
N55A	Marion Center	50.56	74	P	P	14 12 53.2	+0.1
P54A	Burton	50.63	76	P	P	14 12 53.5	-0.1
T51A	Gray	50.70	81	P	P	14 12 54.0	-0.1
O55A	Ligonier	50.81	74	P	P	14 12 54.8	-0.2
X48A	Hartselle	50.89	85	P	P	14 12 55.3	-0.3
Q54A	Coxs Mills	50.89	77	P	P	14 12 55.2	-0.3
MCWV	Mont Chateau	50.92	75	P	P	14 12 55.7	0.0
V50A	Pikeville	51.03	83	P	P	14 12 56.9	+0.3
P55A	Reedsville	51.04	75	P	P	14 12 56.3	-0.4
BINY	Binghamton	51.10	70	P	P	14 12 57.6	+0.5
O56A	Blu Knob Stat	51.15	74	P	P	14 12 57.4	-0.1
X49A	Woodville	51.23	85	P	P	14 12 58.0	-0.2
SSPA	Standing Stone	51.24	73	P	P	14 12 58.4	+0.2
W50A	Signal Mountai	51.27	83	P	P	14 12 58.4	-0.1
V51A	Loudon	51.34	82	P	P	14 12 58.8	-0.2
R54A	Victor	51.39	77	P	P	14 12 59.0	-0.3
T53A	Wise	51.45	80	P	P	14 12 59.9	+0.1
147A	Livingston	51.56	88	P	P	14 13 00.6	0.0
X50B	Fort Payne	51.64	84	P	P	14 13 00.6	-0.6
Y49A	Blount Mountai	51.68	85	P	P	14 13 01.1	-0.4
LBNH	Lisbon	51.69	66	P	P	14 13 01.4	0.0
U53A	Fall Branch	51.88	80	P	P	14 13 03.2	+0.2
SS5A	Lewisburg	51.95	77	P	P	14 13 03.4	-0.2
LRAL	Lakeview Retre	51.98	86	P	P	14 13 03.3	-0.4
KSRS	Korea Array	52.08	282	P	P	14 13 04.7	+0.3
KS15	Wonju Array Si	52.11	282	eP	P	14 13 05.0	+0.4
KSAR	Wonju Array Be	52.11	282	P	P	14 13 04.7	+0.1
Z49A	Columbiana	52.11	86	P	P	14 13 04.1	-0.6
N59A	State Game Lan	52.14	71	P	P	14 13 04.5	-0.3
V53A	Saluda	52.27	81	P	P	14 13 06.1	+0.1
BATG	Bathurst New B	52.34	59	eP	P	14 13 06.3	+0.3
Z50A	Ashland	52.40	85	P	P	14 13 06.3	-0.5
BLA	Blacksburg	52.41	78	P	P	14 13 06.6	-0.3
149A	Jones	52.42	87	P	P	14 13 07.1	+0.1
X52A	Dahlonega	52.49	83	P	P	14 13 07.5	0.0
HAMF	Hammerfest	52.64	360	eP	P	14 13 09.6	+1.4
150A	Eclectic	52.84	86	P	P	14 13 09.8	-0.3
TJN	Taejon	53.18	282	eP	P	14 13 12.4	-0.1
T57A	Hurt	53.19	77	P	P	14 13 12.1	-0.5
Z52A	Williamson	53.27	84	P	P	14 13 12.6	-0.7
X54A	Belton	53.35	82	P	P	14 13 13.8	-0.1
TLY	Talaya	53.41	310	eP	P	14 13 14.1	+0.1
TLY	Talaya	53.41	310	iP	P	14 13 13.6	-0.4
TLY	Talaya	53.41	310	iP	P	14 13 13.6	-0.4
KM5C	Kings Mountain	53.47	80	P	P	14 13 14.4	-0.2
TRO	Tromso	53.61	2	eP	P	14 13 15.8	+0.6
Z53A	Monticello	53.66	83	P	P	14 13 15.2	-0.8
Y54A	Tignall	53.70	82	P	P	14 13 15.6	-0.8
ARA0	ARCESS Array S	53.75	359	eP	P	14 13 15.7	-0.6
ARA0	ARCESS Array S	53.75	359	eP	P	14 14 21.4	+0.3
ARC5	ARCESS Array B	53.75	359	P	P	14 13 15.7	-0.6
ARC5	ARCESS Array B	53.75	359	P	P	14 14 21.4	+0.3
ARE0	AREC Array S	53.75	359	P	P	14 13 15.9	-0.3
X55A	Gracelyn & Ava	53.81	81	P	P	14 13 16.8	-0.4
Z54A	Sparta	54.09	83	P	P	14 13 18.4	-0.8
KTK1	Kaukokeino	54.28	0	eP	P	14 13 19.7	-0.5



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Table with columns for station name, frequency, mode, and coordinates. Includes stations like CAMPE, TERAMO, TERANO, etc.

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Table with columns for station name, frequency, mode, and coordinates. Includes stations like PIEIA, HONSHU, etc.

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Table with columns for station name, frequency, mode, and coordinates. Includes stations like SEYMCHAN, XIAN, etc.







MSLP	Maasin	27.85	68	eP	P	17 41 14.3	-1.7
OCLP	Ormoc	27.93	66	eP	P	17 41 17.9	+1.1
BUTP	Burton	28.21	71	eP	P	17 41 19.8	+0.5
CAUP	Cauayan	28.23	53	eP	P	17 41 18.6	-0.7
APYF	Conner	28.29	50	eP	P	17 41 19.7	-0.2
MATI	Mati	28.32	76	eP	P	17 41 23.1	+2.9
PVCP	Virac	28.53	61	eP	P	17 41 21.4	-0.7
CNP	Cataraman	28.53	64	eP	P	17 41 22.6	+0.5
TNTI	Ternate	28.70	89	eP	P	17 41 21.4	-2.2
TNTI	comp=Z,18nm,0.8s						
Ternate							
RAMN	Ramite	28.70	89	P	P	17 41 24.0	+0.4
MBWA	Marble Bar	29.02	337	eP	P	17 41 27.8	+1.3
		29.57	137	eP	P	17 41 32.4	+1.1
JIRN	Jiri	29.81	337	eP	P	17 41 34.5	+0.8
PSA00	Pilbara Seismi	29.93	138	eP	P	17 41 34.9	+0.4
	comp=Z,220nm,0.7s						
PKI	Pulchoki	30.04	336	eP	P	17 41 35.8	+0.1
PKIN	Pulchoki	30.05	336	eP	P	17 41 35.8	+0.1
GUN	Gumba	30.16	337	eP	P	17 41 37.3	+0.6
	comp=Z,5um,0.6s						
LSA	Lhasa	30.19	347	eP	P	17 41 37.4	+0.2
	comp=Z,49nm,0.6s						
LSA	Lhasa	30.19	347	iP	P	17 41 37.9	+0.7
LSA	Lhasa	30.19	347	eP	P	17 41 37.4	+0.2
LSA	Lhasa					17 44 39.0	
	comp=Z,49nm,0.6s						
DMN	Daman	30.20	336	eP	P	17 41 37.4	+0.4
	comp=Z,2um,0.7s						
KKN	Kakani	30.29	336	eP	P	17 41 38.0	+0.2
	comp=Z,24nm,0.7s						
CD2	Chengdu	30.91	9	iP	P	17 41 43.2	+0.1
CD2						17 41 55.9	+0.8
CD2						17 42 02.7	+2.2
CD2						17 46 43.9	-0.5
CD2						17 47 08.9	+4.4
	comp=Z,190nm,4.3s						
CD2							
	comp=Z,3um,17.8s						
CD2							
	comp=Z,2um,15.7s						
CD2							
	comp=Z,4um,18.8s						
KOLN	Koldanda	30.99	333	eP	P	17 41 44.7	+0.8
	comp=Z,245nm,0.7s						
TWG	Pinlang	31.31	43	eP	P	17 41 46.5	0.0
	comp=Z,98nm,1.0s						
DANN	Dangsing	31.42	334	eP	P	17 41 48.2	+0.4
	comp=Z,4um,0.7s						
PYUN	Piuthan	31.55	333	eP	P	17 41 49.4	+0.5
	comp=Z,192nm,0.9s						
ENH	Enshi	31.62	18	eP	P	17 41 48.3	-1.0
	comp=Z,361nm,0.6s						
ENH	Yu-ji	31.85	42	eP	S	17 46 51.3	-4.1
	comp=Z,27nm,0.6s						
SSLB	Suanglung	31.89	41	eP	P	17 41 51.9	+0.2
	comp=Z,48nm,1.0s						
FITZ	Fitzroy Crossi	32.16	126	P	P	17 41 52.4	-1.6
	comp=Z,10nm,0.6s,baz=319,slow=8.2,SNR=34						
FITZ	Fitzroy Crossi	32.16	126	P	P	17 56 04.4	
	comp=Z,397nm,20.1s,baz=306,slow=38						
FITZ	Fitzroy Crossi	32.16	126	eP	P	17 41 52.5	-1.6
	comp=Z,18nm,0.6s						
NACB	Ninganchiao	32.58	41	eP	P	17 41 56.4	-1.3
	comp=Z,57nm,1.2s						
SIJI	Sorong	32.61	92	P	P	17 41 57.2	-1.0
	comp=Z,46nm,0.8s,baz=279,slow=9.8,SNR=27						
SIJI						17 57 34.0	
YHNB	Yeheng	32.78	40	eP	P	17 42 00.3	+0.8
	comp=Z,148nm,1.6s						
TATO	Taipei	33.06	40	eP	P	17 42 02.5	+0.5
	comp=Z,539nm,1.8s						
MORW	Morawa	33.51	152	eP	P	17 42 07.9	+2.0
	comp=Z,61nm,1.1s						
SAHI	Saumlaki	33.53	105	eP	P	17 42 05.2	-0.9
	comp=Z,381nm,1.2s						
WHN	Wuhan	33.65	25	iP	S	17 42 07.8	+0.8
	comp=Z,830nm,11.3s					17 47 26.1	-0.7
WHN							
	comp=Z,3um,18.0s						
WHN							
	comp=Z,1um,19.4s						
FAKI	Fak Fak	33.71	96	eP	P	17 42 07.1	-0.6
	comp=Z,43nm,0.6s						
FAKI	Fak Fak	33.71	96	P	P	17 42 06.8	-0.9
	comp=Z,68nm,0.7s,comp=Z,601nm						
YOJ	Yonaguni jima	33.72	43	eP	P	17 42 06.6	-1.1
	comp=Z,119nm,1.2s						
YOJ	Yonaguni jima	33.72	43	eP	P	17 42 06.6	-1.1
	comp=Z,361nm,0.8s						
MTN	Manton Dam	34.70	113	eP	P	17 42 13.5	-2.9
	comp=Z,86nm,1.4s						
XAN	Xi'an	35.00	15	P	P	17 42 17.3	-1.4
						17 42 29.4	-1.5
XAN						17 42 34.8	-1.4
XAN						17 43 35.5	-1.4
XAN						17 47 44.0	-3.8
XAN						17 52 32.1	-4.0
	comp=Z,23nm,0.6s						
XAN							
	comp=Z,730nm,3.6s						
XAN							
	comp=Z,1um,15.2s						
XAN							
	comp=Z,260nm,17.6s						
XAN							
	comp=Z,1um,17.6s						
XAN	Xi'an	35.00	15	eP	P	17 42 17.5	-1.2
	comp=Z,580nm,0.8s						
XAN	Xi'an	35.00	15	eS	S	17 47 45.2	-2.6
XAN	Xi'an	35.00	15	eS	S	17 47 17.5	-1.2
XAN	Xi'an	35.00	15	eS	S	17 47 45.2	-2.6
	comp=Z,580nm,0.8s						
DDI	Dehra Dun	35.80	329	eP	P	17 42 25.3	-0.3
LZH	Lanzhou	36.02	7	iP	P	17 42 28.2	+0.6
						17 42 40.2	+0.5
LZH						17 42 45.8	+0.7
LZH						17 43 51.7	+1.5
LZH						17 44 54.9	+1.5
LZH						17 48 02.8	-0.8
LZH						17 48 24.7	-0.8
LZH						17 50 30.4	-0.9
	comp=Z,810nm,4.6s						
LZH							
	comp=Z,1um,13.8s						
LZH							
	comp=Z,1um,14.0s						
LZH							
	comp=Z,2um,17.0s						
NJ2	Nanjing	36.97	29	eP	P	17 42 36.2	+0.7
						17 48 16.0	-1.9
NJ2							
	comp=Z,19nm,0.9s						
NJ2							
	comp=Z,170nm,3.6s						
NJ2							
	comp=Z,2um,15.2s						
NJ2							
	comp=Z,2um,22.2s						
NJ2							
	comp=Z,820nm,15.7s						
NWAO	Narogin (SRO)	37.31	154	P	P	17 42 40.0	+1.6
	comp=Z,23nm,0.7s,baz=332,slow=7.8,SNR=17						
NWAO						17 56 20.4	
NWAO	Narogin (SRO)	37.31	154	eP	P	17 42 40.0	+1.6
	comp=Z,566nm,21.4s,baz=323,slow=34						
NWAO	Narogin (SRO)	37.31	154	eP	P	17 42 40.3	+1.8
NWAO	Narogin (SRO)	37.31	154	eP	P	17 42 40.7	+2.3
	comp=Z,57nm,1.1s						
SSE	Sheshan	37.41	33	eP	P	17 42 38.4	-0.9
	comp=Z,86nm,0.7s						

JOW	Kunigami	38.88	45	eP	P	17 42 51.7	0.0
	comp=Z,82nm,1.2s						
GTA	Goatai	39.03	1	iP	P	17 42 53.2	+0.2
						17 43 06.5	+1.3
GTA						17 43 10.2	+0.4
GTA						17 43 03.4	+0.9
GTA						17 48 49.4	+0.3
GTA						17 49 11.0	+1.4
GTA						17 51 44.9	+1.1
	comp=Z,72nm,1.0s						
GTA							
	comp=Z,210nm,5.6s						
GTA							
	comp=Z,460nm,16.8s						
GTA							
	comp=Z,330nm,17.8s						
GTA							
	comp=Z,690nm,16.8s						
TIY	Taiyuan	39.42	17	eP	P	17 42 57.0	+0.8
						17 48 56.0	+1.1
TIY							
	comp=Z,110nm,0.8s						
TIY							
	comp=Z,730nm,12.0s						
TIY							
	comp=Z,600nm,15.0s						
TIA	Tai'an	39.71	24	P	P	17 42 58.3	-0.3
WRA	Warramunga Arr	40.26	122	P	P	17 43 01.7	-1.7
	comp=Z,21nm,0.6s,baz=305,slow=9.2,SNR=140						
WRA						17 45 07.0	+0.3
	comp=Z,16nm,0.6s,baz=313,slow=2.6,SNR=14						
WRA						17 49 02.2	-5.7
	comp=Z,2.8nm,0.9s,baz=296,slow=16,SNR=4.5						
WRA						17 52 15.7	-1.3
	comp=Z,0.4nm,0.5s,baz=301,slow=1.4,SNR=3.9						
WR1	Warramunga Arr	40.27	122	eP	P	17 43 01.7	-1.7
	comp=Z,43nm,0.6s						
WR1						17 45 07.0	+0.3
WR1						17 49 02.2	-5.7
WR1						17 52 15.7	-1.3
WR1						17 43 01.5	-1.9
WRAB	Tennant Creek	40.27	122	eP	P	17 45 07.1	+0.4
	comp=Z,54nm,1.0s					17 43 01.6	-1.9
WRAB	Tennant Creek	40.27	122	iP	P	17 43 01.6	-1.9
	comp=Z,29nm,0.9s						
WB2	Warramunga Arr	40.27	122	eP	P	17 43 01.4	-2.1
						17 43 01.8	-1.7
WB2						17 45 06.7	0.0
WB2						17 45 06.8	+0.1
NIL	Nilore	40.94	327	eP	P	17 43 08.1	-0.7
	comp=Z,178nm,0.6s						
NIL	Nilore	40.94	327	eP	P	17 43 08.5	-0.3
BTO	Baotou	41.51	13	eP	P	17 43 12.3	-1.2
FORT	Forrest	41.58	140	eP	P	17 43 15.5	+1.5
	comp=Z,152nm,0.6s						
GENI	Genyem	41.58	94	P	P	17 43 12.8	-1.5
	comp=Z,167nm,0.6s,comp=Z,2um						
ASAR	Alice Springs	41.63	127	P	P	17 43 13.7	-0.9
	comp=Z,34nm,0.7s,baz=239,slow=7.6,SNR=627						
ASAR	</						





Table with columns for name, time, date, and status. Includes entries like Kasperse Hory, Koelnbreinsper, GSTR CLL, STEI Steigen, etc.

Table with columns for name, time, date, and status. Includes entries like H04D Lebanon, J01E Myrtle Point, C09A Chrisman Ranch, etc.

Table with columns for name, time, date, and status. Includes entries like D41A Chassel, E38A The Farm, Brul, SRU San Rafael Swe, etc.

Q24A	Divide	135.31	27	P	PKPdf	17 54 45.8	-0.4	SSPA	Standing Stone	139.23	356	P	PKIKP	17 54 54.9	-0.3	U51A	La Follette	143.51	4	P	PKPbc	17 54 57.9	-0.2
H46A	Fire Lake	135.31	4	P	PKPdf	17 54 45.2	-0.4	SFIN	Lafayette	139.26	7	P	PKIKP	17 54 55.0	-0.3	U52A	Thorn Hill	143.54	3	P	PKPab	17 54 57.5	+0.3
I40A	Norwalk	135.32	10	P	PKPdf	17 54 45.2	-0.4	O45A	Potonac	139.31	8	P	PKIKP	17 54 55.1	-0.3	MIAR	Mound Ida	143.57	17	P	PKPbc	17 54 58.6	+0.3
X16A	Lo Mia Camp, P	135.49	36	ePKPdf	PKPdf	17 54 46.9	+0.4	O47A	Sheridan	139.51	6	P	PKIKP	17 54 55.1	-0.7	MIAR	Mound Ida	143.57	17	P	PKPbc	17 54 58.1	-0.2
S22A	4UR Ranch, Cre	135.50	29	ePKPdf	PKPdf	17 54 46.6	+0.1	P42A	Winchester	139.55	11	ePKPpre	PKPpre	17 54 43.8		V46A	Holladay	143.62	9	P	PKPab	17 54 57.6	+0.1
H42A	Draeger Farm,	135.58	8	ePKPdf	PKPdf	17 54 44.9	-1.2	P42A	Winchester	139.55	11	ePKPpre	PKIKP	17 54 55.5	-0.4	V47A	Nunnely	143.69	9	P	PKPab	17 54 57.9	+0.1
H42A	Draeger Farm,	135.58	8	ePKPdf	PKPdf	17 54 44.9	-1.2	O48A	Farmland	139.58	5	P	PKIKP	17 54 55.5	-0.4	TX31	Lajitas Ar. Si	143.70	34	ePKPdf	PKPbc	17 54 59.3	+0.4
J39A	Decorah	135.66	11	P	PKPdf	17 54 45.1	-1.1	O56A	Bluff Knob Stat	139.64	357	P	PKIKP	17 54 55.6	-0.5	TX31	Lajitas Ar. Si	143.70	34	ePKPdf	PKPbc	17 54 59.3	+0.4
H43A	Langefield Bro	135.68	7	P	PKPdf	17 54 45.4	-0.9	O56A	Bluff Knob Stat	139.64	357	P	PKIKP	17 54 55.6	-0.5	TXAR	Lajitas Ar. Si	143.70	34	ePKPdf	PKPbc	17 54 58.8	-0.1
I40A	Soldiers Grove	135.78	10	P	PKPdf	17 54 45.4	-1.1	O49A	Covington	139.70	4	P	PKIKP	17 54 55.6	-0.6	UALR	University of	143.71	243	ePKPdf	PKPbc	17 55 00.2	-0.9
BGNE	Belgrade	135.86	18	ePKPdf	PKPdf	17 54 46.6	-0.1	ACSO	Alum Creek Sta	139.72	2	ePKPpre	PKPpre	17 54 46.8		BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 55 00.1	+0.7
J41A	Belgrade	135.86	18	P	PKPdf	17 54 46.3	-0.4	ACSO	Alum Creek Sta	139.72	2	ePKPpre	PKPpre	17 54 46.8		BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 55 00.1	+0.7
BGNE	Belgrade	135.86	18	P	PKPdf	17 54 46.3	-0.4	ACSO	Alum Creek Sta	139.72	2	ePKPpre	PKPpre	17 54 46.8		BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 55 00.1	+0.7
J41A	Loganville	135.93	9	P	PKPdf	17 54 46.4	-0.3	ACSO	Alum Creek Sta	139.72	2	ePKPpre	PKPpre	17 54 46.8		BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 55 00.1	+0.7
W18A	Petrified Fore	135.97	34	ePKPdf	PKPdf	17 54 47.8	+0.4	ACSO	Alum Creek Sta	139.72	2	ePKPpre	PKPpre	17 54 46.8		BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 55 00.1	+0.7
W18A	Petrified Fore	135.97	34	P	PKPdf	17 54 47.8	+0.6	O53A	New Philadelphia	139.74	360	P	PKIKP	17 54 56.3	0.0	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
DRWO	Darlington Wes	136.05	357	P	PKPdf	17 54 46.8	-0.2	O53A	New Philadelphia	139.74	360	P	PKIKP	17 54 56.3	0.0	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
J42A	Columbus	136.11	8	P	PKPdf	17 54 46.6	-0.5	O55A	Ligonier	139.74	358	P	PKIKP	17 54 55.9	-0.4	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
SDCO	Great Sand Dun	136.14	28	P	PKPdf	17 54 46.2	-1.5	O50A	Calwell	139.78	3	P	PKIKP	17 54 55.8	-0.6	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
K39A	Natural Harves	136.14	7	P	PKPdf	17 54 46.6	-0.6	O54A	Avella	139.79	359	P	PKIKP	17 54 56.0	-0.4	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
J43A	Delwein	136.24	11	P	PKPdf	17 54 46.5	-0.9	O51A	Pataskala	139.82	2	P	PKIKP	17 54 55.9	-0.5	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
JFWS	Jewell Farm	136.33	9	ePKPdf	PKPdf	17 54 46.3	-1.3	O52A	Adamsville	139.87	1	ePKPdf	PKPdf	17 54 53.6	-0.5	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
JFWS	Jewell Farm	136.33	9	P	PKPdf	17 54 48.0	+0.4	O52A	Adamsville	139.87	1	P	PKIKP	17 54 56.0	-0.5	BDFB	Brasilia	143.71	243	ePKPdf	PKPbc	17 54 59.7	+0.4
K40A	Colesburg	136.38	10	P	PKPdf	17 54 46.5	-1.1	P41A	Sand Creek, Wi	139.98	9	P	PKIKP	17 54 56.2	-0.5	V48A	Smith Brothers	143.87	8	P	PKPab	17 54 58.3	-0.2
HRV	Adam Dzewonski	136.58	349	P	PKPdf	17 54 47.4	-0.6	Q44A	Truxton	139.98	12	P	PKIKP	17 54 56.4	-0.4	V49A	McMinville	143.96	6	P	PKPab	17 54 58.3	-0.5
K42A	Prairie Point,	136.60	9	P	PKPdf	17 54 47.9	-0.1	P46A	Rosedale	140.00	7	P	PKIKP	17 54 56.7	-0.1	V57A	Coltrane Farms	144.06	358	P	PKPab	17 54 59.1	-0.1
K41A	Shullsburg	136.62	10	P	PKPdf	17 54 47.8	-0.3	P45A	Graceland, Par	140.02	8	ePKPdf	PKPdf	17 54 54.0	-0.4	V51A	Loudon	144.06	4	P	PKPab	17 54 58.8	-0.4
J48A	Bridge Port	136.63	3	P	PKPdf	17 54 48.1	+0.1	P45A	Graceland, Par	140.02	8	P	PKIKP	17 54 56.6	-0.2	V52A	Taylorville	144.07	3	P	PKPab	17 54 59.0	-0.2
J54A	Appleton	136.65	357	P	PKPdf	17 54 48.0	-0.1	Q42A	Golden Eagle	140.16	11	P	PKIKP	17 54 56.9	-0.2	V55A	Pikeville	144.13	360	P	PKPab	17 54 59.4	0.0
SCIA	State Center	136.72	13	ePKPdf	PKPdf	17 54 47.1	-1.2	P47A	Martinsville	140.24	6	P	PKIKP	17 54 56.6	-0.7	V50A	Nebo	144.20	1	P	PKPab	17 54 59.5	-0.2
SCIA	State Center	136.72	13	P	PKPdf	17 54 48.2	-0.1	P50A	Jamesstown	140.31	3	P	PKIKP	17 54 56.6	-0.8	W46A	Michie	144.20	10	P	PKPab	17 54 59.6	-0.2
STCO	Saint Catharin	136.73	358	P	PKPdf	17 54 48.1	-0.1	P52A	Corning	140.34	1	P	PKIKP	17 54 56.7	-0.8	W47A	Westpoint	144.24	9	P	PKPab	17 54 59.7	-0.2
J52A	Paris	136.74	359	P	PKPdf	17 54 48.5	+0.2	P48A	Milroy	140.34	5	P	PKIKP	17 54 56.6	-0.9	V53A	Saluda	144.28	2	P	PKPab	17 54 59.7	-0.3
MEDO	Medina	136.75	357	P	PKPdf	17 54 48.0	-0.2	P54A	Burton	140.37	359	P	PKIKP	17 54 57.2	-0.4	X43A	Marvell	144.32	14	ePKPdf	PKPbc	17 55 00.8	+0.4
L39A	Vinton	136.78	12	P	PKPdf	17 54 47.9	-0.5	Q44A	Meyer Farm, Va	140.44	9	P	PKIKP	17 54 57.4	-0.3	X43A	Marvell	144.32	14	P	PKPbc	17 55 00.4	-0.1
ELFO	Engelfield	136.79	360	P	PKPdf	17 54 48.0	-0.4	P51A	Williamsport	140.47	2	ePKPpre	PKPpre	17 54 48.7		CPCCT	Cooper Cave	144.40	4	ePKPdf	PKPab	17 55 00.6	+0.1
K43A	Burrington	136.82	8	P	PKPdf	17 54 48.3	-0.1	P51A	Williamsport	140.47	2	ePKPpre	PKPpre	17 54 48.7		PLAL	Pickwick Lake	144.43	10	ePKPdf	PKPab	17 55 00.1	+0.5
TYNO	Tyneside	136.87	358	P	PKPdf	17 54 48.0	-0.5	MSTX	Muleshoe	140.49	29	ePKPpre	PKPpre	17 54 47.9		W48A	Pulaski	144.45	8	P	PKPab	17 54 59.8	-0.9
L40A	Anamosa	136.99	11	ePKPdf	PKPdf	17 54 47.2	-1.5	MSTX	Muleshoe	140.49	29	ePKPpre	PKPpre	17 54 47.9		WLAR	White Oak Lake	144.51	17	ePKPdf	PKPbc	17 55 01.4	+0.3
L40A	Anamosa	136.99	11	P	PKPdf	17 54 47.9	-0.8	R41A	Rosebud	140.58	12	P	PKIKP	17 54 55.8	-0.5	WHTX	White Whitney,	144.53	24	P	PKPab	17 55 00.6	-0.4
L41A	Preston	137.10	10	P	PKPdf	17 54 48.3	-0.7	R42A	Luebbering	140.72	12	P	PKIKP	17 54 57.9	-0.4	W49A	Belvidere	144.56	7	P	PKPab	17 55 00.4	-0.6
L41A	Perry	137.11	3	P	PKPdf	17 54 48.3	-0.7	CCM	Cathedral Cave	140.84	12	ePKPpre	PKPpre	17 54 47.6		W50A	Signal Mountai	144.58	6	ePKPdf	PKPab	17 55 00.5	-0.7
K25A	Trinidad	137.14	27	ePKPdf	PKPdf	17 54 48.9	-0.6	CCM	Cathedral Cave	140.84	12	ePKPpre	PKPpre	17 54 47.6		W50A	Signal Mountai	144.58	6	P	PKPab	17 55 00.5	-0.7
L23A	Trinidad	137.14	27	P	PKPdf	17 54 49.9	+0.4	Q46A	Noty Vernon	140.84	5	P	PKIKP	17 54 58.2	-0.3	OXF	Oxford	144.64	12	ePKPdf	PKPab	17 55 01.0	-0.3
L43A	Garden Prairie	137.28	8	P	PKPdf	17 54 48.9	-0.4	Q51A	Peebles	140.91	2	ePKPpre	PKPpre	17 54 49.8		OXF	Oxford	144.64	12	ePKPdf	PKPab	17 55 01.0	-0.3
L42A	Oliver, Polo	137.31	9	ePKPpre	PKPpre	17 54 48.0	-0.2	Q51A	Peebles	140.91	2	ePKPpre	PKPpre	17 54 49.8		OXF	Oxford	144.64	12	ePKPdf	PKPab	17 55 01.0	-0.3
L42A	Oliver, Polo	137.31	9	P	PKPdf	17 54 48.5	-0.9	MNTX	Cornudas Mount	140.94	33	ePKPdf	PKPdf	17 54 56.0	-0.4	CCAR	Cane Creek	144.67	15	ePKPdf	PKPab	17 55 01.7	+0.1
TUC	Tucson	137.34	38	P	PKPdf	17 54 50.2	+0.4	Q55A	Buckhannon	140.97	358	P	PKIKP	17 54 58.5	-0.4	W51A	Cleveland	144.67	5	P	PKPab	17 55 01.1	-0.4
TUC	Tucson	137.34	38	P	PKPdf	17 54 49.9	+0.1	Q50A	Georgetown	141.06	3	P	PKIKP	17 54 58.4	-0.6	W59A	Clinton	144.71	356	P	PKPbc	17 55 02.1	+0.4
M39A	Webster	137.36	12	P	PKPdf	17 54 49.5	0.0	S41A	Jillico Farms,	141.18	13	P	PKIKP	17 54 58.8	-0.5	X46A	Booneville	144.76	10	P	PKPab	17 55 01.3	-0.4
BINY	Binghamton	137.51	354	ePKPdf	PKPdf	17 54 49.8	+0.1	R42A	Caledonia	141.21	12	P	PKIKP	17 54 58.8	-0.6	W36A	Cullowhee	144.76	3	P	PKPab	17 55 01.7	-0.3
BINY	Binghamton	137.51	354	P	PKPdf	17 54 50.1	+0.3	S46A	Gibson Southern	141.35	8	P	PKIKP	17 54 59.3	-0.3	W52A	Murphy	144.80	4	ePKPdf	PKPab	17 55 01.3	-0.7
L49A	Milan	137.82	3	P	PKPdf	17 54 50.3	0.0	R47A	Wooly Knot Far	141.39	7	P	PKIKP	17 54 59.2	-0.5	W52A	Murphy	144.80	4	P	PKPab	17 55 01.4	-0.6
L47A	Sherwood	137.87	4	P	PKPdf	17 54 50.8	+0.5	WCI	Wyandotte Cave	141.48	6	ePKPpre	PKPpre	17 54 50.9		W57A	Gilead	144.80	358	P	PKPab	17 55 01.8	-0.1
TASM	ASL Pad, Albuq	137.88	31	P	PKPdf	17 54 51.4	+0.5	WCI	Wyandotte Cave	141.48	6	ePKPpre	PKPpre	17 54 50.9		KM5C	Kings Mountain	144.83	0	ePKPdf	PKPab	17 55 01.5	-0.6
TASM	ASL Pad, Albuq	137.88	31	P	PKPdf	17 54 51.5	+0.6	WCI	Wyandotte Cave	141.48	6	ePKPpre	PKPpre	17 54 50.9		KM5C	Kings Mountain	144.83	0	P	PKPab	17 55 01.6	-0.4
ANMO	Albuquerque	137.88	31	ePKPpre	PKPpre	17 54 51.5	+0.6	R49A	Shelbyville	141.53	5	P	PKIKP	17 54 59.5	-0.5	W56A	Indian Trail	144.83	359	P	PKPab	17 55 01.7	-0.4
ANMO	Albuquerque	137.88	31	ePKPpre	PKPpre																		



5d 19h

Table with columns: ZSID, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Main table containing station data for various locations including Disney Wildern, Kemper Cattle, Wauchula, Okeechobee, Mina Guanaco, Arcadia, Indianatown, Moore Haven, West Palm Beach, Chuzmiza, IPOC Station P, Presa de Sabin, La Paz, El Rosal, Otavalo, Karamanmara, Gaziantep, Aykandevak, Kahramanmara, Osmaniye, Kuzulu, Andirin, Kozaan, ADANA, SURC, DARE, Mandailing Nat, Gunungsitoli, Saibi, Padang Panjang, Prapat, Diego Garcia, Warramunga Arr, Alice Springs, Sonmgo Array, Makanchi Array, ZALV, Ishinomakikobu, Ouri, Marumori, Kawachi, Wakimizuishiyi, Kesunamototy, Okura, Otama, Ichinosobe, Shirataki, Kanesyama, Ohayama, Matushiro.

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Table with columns: BATI, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like Baumata, Warramunga Arr, ASAR, Makanchi Array, and various other locations.

Table with columns for flight codes (e.g., GRPR, YUK, JKH), destinations (e.g., Tuman, Yuzh-Kuril'sk, Shikotan), times, and status indicators (e.g., P, S, Pmax).

Table with columns for flight codes (e.g., UGL, TEY, TYV), destinations (e.g., Ternei, Tymovskoe, Matsu-Tunnel), times, and status indicators (e.g., P, S, Pmax).

Table with columns for flight codes (e.g., DL2, HIA, SEY), destinations (e.g., Hailar, Seymchan, Bajiatuau), times, and status indicators (e.g., P, S, Pmax).

GTA	comp=Z,32nm,4.9s		pmax	pmax	
GTA	comp=Z,140nm,16.8s		LR	LR	
GTA	comp=Z,61nm,14.9s		LR	LR	
GTA	comp=Z,100nm,15.9s		LR	LR	
CD2	Chengdu	35.54	264	P	19 31 44.3 -0.2
CD2	comp=Z,70nm,0.5s		pmax	pmax	
SDPT	Sand Point	35.94	51	eP	19 31 47.8 +0.2
GYA	Guiyang	36.03	255	eP	19 31 50.9 +2.1
GYA	comp=Z,10.0nm,0.8s		pmax	pmax	
RDOG	Red Dog Mine	36.22	30	eP	19 31 50.0 +0.1
CHGN	Chignik	37.04	50	eP	19 31 57.0 +0.1
PATS	Pohnpei	38.02	160	eP	19 32 07.3 +1.9
SVW2	Sparvevohn	38.37	42	eP	19 32 09.4 +1.4
NR1K	Noril'sk	39.13	331	P	19 32 12.0 -2.3
NR1K	comp=Z,6.2nm,0.3s,baz=107,slow=9.0,SNR=8.6		LR	LR	19 50 18.7
IM3	Indian Mtn	39.38	34	eP	19 32 17.4 +0.9
KMI	Kunming	39.63	257	P	19 32 19.8 +0.6
KMI	comp=Z,14nm,0.7s		pmax	pmax	
KMI	comp=Z,86nm,4.2s		pmax	pmax	
RSO	Redoubt Summit	39.77	43	eP	19 32 21.6 +1.7
DGZ	Jazout, Alta	39.86	300	iP	19 32 22.0 +1.2
DGZ	comp=Z,38nm,1.3s		pmax	pmax	
PPLA	Purkeypile	39.96	39	eP	19 32 23.1 +1.7
CAST	Castle Rocks	40.00	38	eP	19 32 23.7 +2.1
KDAK	Kodiak Island	40.08	47	eP	19 32 22.2 -0.1
KDAK	comp=Z,47nm,0.7s,baz=266,slow=4.7,SNR=20		P	P	19 32 22.6 +0.3
KDAK	Kodiak Island	40.08	47	eP	19 32 22.6 +0.3
KDAK	comp=Z,60nm,0.8s		pmax	pmax	
BPAW	Bear Paw Mtn.	40.49	37	eP	19 32 26.9 +1.3
ZAA1	Zalesovo Array	40.53	307	eP	19 32 25.4 -0.6
ZAA1	comp=Z,28nm,0.7s		eP	eP	19 32 46.8 -2.1
ZAA1	comp=Z,59nm,1.0s		eP	eP	19 31 33.9
ZAA0	Zalesovo Array	40.53	307	eP	19 32 25.1 -1.0
ZAA0	comp=Z,72nm,1.4s		eP	eP	19 34 26.6 +0.1
ZALV	Zalesovo Beam	40.53	307	P	19 32 25.4 -0.6
ZALV	comp=Z,19nm,0.4s,baz=72,slow=7.4,SNR=85		P	P	19 32 46.6 -2.1
ZALV	comp=Z,4.9nm,0.7s,baz=81,slow=2.7,SNR=9.7		P	P	19 34 26.8 +0.3
ZALV	comp=Z,51nm,1.8s,baz=68,slow=33		LR	LR	19 51 33.9
ZALV	Zalesovo Beam	40.53	307	eP	19 32 24.8 -1.2
ZALV	comp=Z,36nm,1.0s		eP	eP	19 34 26.4 0.0
MLY	Manley	40.60	36	eP	19 32 28.1 +1.6
SUA	Susitna One	40.69	41	eP	19 32 27.7 +0.3
BRLK	Bradley Lake	40.76	44	eP	19 32 28.6 +0.7
TRF	Thorfare Moun	40.81	38	eP	19 32 29.1 +0.7
COLD	Coldfoot	40.88	32	eP	19 32 29.9 +1.2
COLD	comp=Z,12nm,0.9s		eP	eP	19 32 33.3 +2.3
BWN	Browne	41.15	37	eP	19 32 31.8 +0.5
TOLK	Toolik Lake Re	41.19	30	eP	19 32 32.0 +0.7
TOLK	comp=Z,29nm,0.8s		P	P	19 32 32.0 +0.7
RC1K	Rabbit Creek A	41.20	42	eP	19 32 32.1 +0.6
MCK	McKinley	41.40	38	eP	19 32 33.7 +0.6
MCK	comp=Z,38nm,0.8s		pmax	pmax	
MCK	comp=Z,38nm,0.8s		pmax	pmax	
WMQ	Urumiq	41.44	291	P	19 32 34.7 +1.0
WMQ	comp=Z,81nm,0.9s		pmax	pmax	
WMQ	comp=Z,210nm,3.6s		pmax	pmax	
WMQ	comp=Z,200nm,20.3s		LR	LR	
WMQ	comp=Z,110nm,22.1s		LR	LR	
WMQ	comp=Z,140nm,25.1s		LR	LR	
SEW	Seward	41.44	43	eP	19 32 33.2 -0.2
PMR	Palmer	41.45	41	eP	19 32 33.8 +0.4
PMR	comp=Z,22nm,0.8s		pmax	pmax	
RND	Reindeer	41.46	38	eP	19 32 33.7 +0.1
RND	comp=Z,33nm,0.7s		P	P	19 32 33.7 +0.1
RND	Reindeer	41.46	38	eP	19 32 33.7 +0.1
RND	comp=Z,33nm,0.7s		pmax	pmax	
GHO	Glorie Holy Cre	41.53	41	eP	19 32 35.0 +0.8
MDM	Murphy Dome	41.66	36	eP	19 32 36.4 +1.1
WRH	Wood River Hill	41.74	36	eP	19 32 36.6 +0.8
KNK	Knik Glacier	41.79	41	eP	19 32 36.8 +0.5
SML	Sawmill	41.81	40	eP	19 32 36.8 +0.3
SML	comp=Z,60nm,0.7s		pmax	pmax	
TCOL	CIGO, UAF Yank	41.82	36	P	19 32 37.4 +1.0
COLA	College	41.83	36	eP	19 32 37.7 +1.2
COLA	comp=Z,134nm,0.8s		iP	iP	19 32 37.8 +1.3
COLA	College	41.83	36	iP	19 32 37.8 +1.3
CCB	Clear Creek Bu	41.86	36	eP	19 32 37.1 +0.3
POKR	Poker Plat Res	41.99	35	P	19 32 39.3 +1.4
ZSN	Zaisan	42.12	298	eP	19 32 39.9 +0.8
ZSN	comp=Z,5.0nm,1.4s		pmax	pmax	
ZSN	Zaisan	42.12	298	eP	19 32 39.9 +0.8
DHY	Denali Highway	42.15	39	eP	19 32 39.6 +0.3
HDA	Harding Lake	42.24	37	eP	19 32 38.9 -1.0
HDA	comp=Z,35nm,1.0s		P	P	19 32 39.2 -0.7
IL1	Eielson Array	42.24	36	eP	19 32 40.0 +0.1
ILAR	Eielson Array	42.24	36	P	19 32 40.4 +0.5
ILB	Eielson Array	42.24	36	P	19 32 40.1 +0.2
SCM	Sheep Creek Mo	42.28	40	eP	19 32 40.8 +0.4
SCM	comp=Z,28nm,0.6s		P	P	19 32 40.8 +0.4
SCM	Sheep Creek Mo	42.28	40	eP	19 32 40.8 +0.4
PRP	Porcupine Dome	42.77	35	eP	19 32 45.1 +0.7
FYU	Fort Yukon	42.84	33	eP	19 32 45.6 +0.9
KLU	Klutina	42.99	41	eP	19 32 47.0 +1.0

PAX	Paxson	43.02	39	eP	P	19 32 47.4 +1.1
PAX	comp=Z,11nm,0.7s		eP	eP	P	19 32 47.4 +1.1
PAX	Paxson	43.02	39	eP	pmax	19 32 47.4 +1.1
PAX	comp=Z,11nm,0.7s		eP	eP	pmax	19 32 47.4 +1.1
DIV	Divide	43.11	41	eP	P	19 32 48.0 +1.0
EYAK	Cordova Ski Ar	43.21	42	eP	P	19 32 49.1 +1.4
RIDG	Ridgeway	43.22	37	eP	P	19 32 47.6 -0.2
HARP	HAARP	43.23	39	eP	P	19 32 49.1 +1.2
SCRK	Sand Creek	43.57	37	eP	P	19 32 51.0 +0.2
DOT	Dot Lake	43.57	37	eP	P	19 32 50.9 +0.2
MENT	Mentasta	43.82	38	eP	P	19 32 54.1 +1.4
HMT	Hamilton	43.97	42	eP	P	19 32 55.4 +1.5
MK31	Makanchi Array	44.00	298	eP	P	19 32 54.7 +0.4
MK31	comp=Z,25nm,0.7s		P	P	19 32 54.8 +0.5	
MK31	Makanchi Array	44.00	298	P	P	19 32 54.8 +0.5
MK31	comp=Z,64nm,0.6s		pmax	pmax		
MK32	Makanchi Array	44.00	298	eP	P	19 32 54.8 +0.5
MK32	comp=Z,63nm,0.7s,baz=82,slow=9.2,SNR=587		eP	eP	P	19 32 54.8 +0.5
MK32	Makanchi Array	44.00	298	eP	P	19 32 54.8 +0.5
MK32	comp=Z,57nm,0.6s		eP	eP	P	19 32 54.8 +0.5
MKAR	Makanchi Array	44.00	298	P	P	19 32 54.8 +0.5
MKAR	comp=Z,7.9nm,0.6s,baz=74,slow=10.0,SNR=3.1		P	P	19 33 17.3 0.0	
MKAR	comp=Z,3.0nm,0.8s,baz=72,slow=5.2,SNR=2.6		P	P	19 34 37.3 -0.9	
MKAR	comp=Z,54nm,19.1s,baz=56,slow=38		LR	LR	19 52 30.7	
MK01	Makanchi Array	44.00	297	eP	P	19 32 54.4 +0.1
MAK2	Makanchi	44.19	298	eP	P	19 32 56.1 +0.3
MAK2	comp=Z,59nm,0.8s		eP	eP	P	19 32 56.1 +0.3
MAK2	Makanchi	44.19	298	eP	pmax	19 32 56.1 +0.3
MAK2	comp=Z,59nm,0.8s		pmax	pmax		
TGL	Tana Glacier	44.59	41	eP	P	19 33 00.2 +1.3
EGAG	Eagle Glacier	44.69	36	eP	P	19 33 00.2 +0.8
BALM	Baldy	44.77	41	eP	P	19 33 01.4 +1.0
BALM	comp=Z,31nm,0.8s		eP	eP	P	19 33 01.4 +1.0
BALM	Baldy	44.77	41	eP	pmax	19 33 01.4 +1.0
BALM	comp=Z,31nm,0.8s		pmax	pmax		
KURK	Kurchatov	45.02	304	eP	P	19 33 02.4 +0.1
KURK	comp=Z,95nm,0.8s		eP	eP	P	19 34 41.6 0.0
KURK	Kurchatov	45.02	304	eP	P	19 33 02.4 +0.1
KURK	comp=Z,95nm,0.8s		eP	eP	P	19 33 02.4 +0.1
KURK	Kurchatov	45.02	304	eP	pmax	19 34 41.6
KURK	comp=Z,95nm,0.8s		P	P	19 33 02.7 +0.3	
LSA	Lhasa	45.36	271	eP	P	19 33 06.7 +0.8
LSA	comp=Z,10nm,1.3s		P	P	19 33 06.7 +0.8	
LSA	Lhasa	45.36	271	eP	P	19 33 06.7 +0.8
LSA	comp=Z,11nm,1.3s		pmax	pmax		
DAWY	Dawson	45.56	36	eP	P	19 33 07.0 +0.6
PCNA	Pinnacle	45.98	42	eP	P	19 33 11.2 +1.3
EPYK	Eagle Plains	46.25	33	eP	P	19 33 13.4 +1.5
EPYK	comp=Z,15nm,0.6s		P	P	19 33 13.3 +1.4	
EPYK	Eagle Plains	46.25	33	P	P	19 33 13.3 +1.4
CMMT	Chiang Mai	46.39	253	P	P	19 33 14.7 +1.2
CHTO	Chiang Mai	46.39	253	eP	P	19 33 13.2 -0.3
CHTO	comp=Z,9.2nm,0.8s		P	P	19 33 13.2 -0.3	
CHTO	Chiang Mai	46.39	253	eP	pmax	19 33 14.8 +1.3
CHTO	comp=Z,9.0nm,0.8s		P	P	19 33 14.8 +1.3	
CHTO	Chiang Mai	46.39	253	P	P	19 33 14.8 +1.3
CHTO	comp=Z,60nm,0.8s		P	P	19 33 14.9 +1.9	
YKUZ	Yakutat	46.40	43	eP	P	19 33 15.5 +0.1
CM31	Chiang Mai Arr	46.63	253	eP	P	19 33 16.1 +0.8
CMAR	Chiang Mai Arr	46.63	253	P	P	19 33 16.1 +0.8
CMAR	comp=Z,0.6nm,0.5s,baz=38,slow=3.3,SNR=8.4		P	P	19 33 39.9 +1.3	
CMAR	Chiang Mai Arr	46.63	253	eP	pP	19 33 16.0 +0.5
CMAR	comp=Z,2.4nm,0.8s,baz=42,slow=7.2,SNR=5.7		P	P	19 33 16.0 +0.5	
CM01	Chiang Mai Arr	47.11	30	P	P	19 33 19.2 +0.8
INUK	Inuvik	47.11	30	P	LR	19 55 19.5
INUK	comp=Z,39nm,0.3s,baz=293,slow=7.4,SNR=260		LR	LR	19 55 19.5	
INUK	Inuvik	47.11	30	P	P	19 33 19.0 +0.6
INUK	comp=Z,74nm,19.5s,baz=213,slow=39		eP	eP	19 55 19.5	
INUK	Inuvik	47.11	30	P	P	19 33 19.0 +0.6
INUK	comp=Z,45nm,0.6s		eP	eP	19 55 19.5	
HYT	Haines Junctio	47.12	41	eP	P	19 33 20.5 +1.7
HYT	comp=Z,86nm,0.8s		eP	eP	P	19 33 20.5 +1.7
PDGK	Podgomoye	47.14	294	P	P	19 33 19.0 -0.2
PDGK	comp=Z,22nm,0.8s		P	P	19 33 19.0 -0.2	
TDK	Taldyqorghon	47.18	297	iP	pmax	19 33 20.2 +0.8
TDK	comp=Z,75nm,0.6s		iP	iP	pmax	19 33 20.2 +0.8
TDK	Taldyqorghon	47.18	297	iP	P	19 33 20.2 +0.8
TDK	comp=Z,75nm,0.6s		iP	iP	P	19 33



GNI	Garni	70.68	307	P	P	19 36 03.8	+1.8	GKP	Gorka Kiasztor	74.12	331	eP	P	19 36 22.4	+0.4	CLL		i	PP	pP	19 37 05.2	+0.3			
BW06	Boulder Array	70.76	49	eP	P	19 36 02.6	0.0	GKP	Gorka Kiasztor	74.12	331	eP	P	19 36 22.4	+0.4	CLL			pmax	pmax					
BW06	Boulder Array	70.76	49	P	P	19 36 02.7	0.0	LVV	L'vov	74.22	325	eP	P	19 36 23.2	+0.5	BRG	comp=Z,46nm,0.9s	Berggiesshobel	77.25	331	eP	P	19 36 40.3	+0.3	
PD31	Pinedale Array	70.76	49	eP	P	19 36 03.0	+0.4	KIS	Kishinev	74.25	321	eP	P	19 36 22.0	-0.9	BRG	comp=Z,15nm,1.1s	Berggiesshobel		e				19 37 05.0	
PDAR	Pinedale Array	70.76	49	eP	P	19 36 03.2	+0.6	KIS	Kishinev	74.25	321	eP	P	19 36 22.0	-0.9	BRG	comp=Z,7.3nm,1.0s	Berggiesshobel	77.25	331	eP	P	19 36 40.3	+0.3	
PDAR	Pinedale Array	70.76	49	eP	P	19 36 03.2	+0.6	RGN	Rugen	74.40	334	eP	P	19 36 24.5	+0.9	BRG	comp=Z,15nm,1.1s	Berggiesshobel		e	pmax	pmax		19 37 05.0	
PDAR	Pinedale Array	70.76	49	eP	P	19 36 02.7	+0.1	WUAZ	Wupatki	74.56	56	eP	P	19 36 26.3	+1.1	BRG	comp=Z,7.0nm,1.0s	Pierce - Schro	77.26	37	P	P	19 36 40.1	-0.1	
HYA	Hoyan	70.78	341	eP	P	19 36 02.6	+0.6	SMCO	Snowmass	74.62	50	eP	P	19 36 26.3	+0.5	F38A	comp=Z,24nm,1.0s	Pierce - Schro		eP				19 36 41.3	+0.9
EDW2	Edwards Air Fo	70.90	60	P	P	19 36 04.1	+0.7	IAS	Iasi	74.67	322	iP	P	19 36 26.4	+1.0	PVCC	comp=Z,32nm,0.8s	Panska Vies	77.32	331	eP	P	19 36 41.3	+0.9	
KONO	Kongsberg	71.21	338	eP	P	19 36 04.7	-0.1	LEOM	Leova	74.90	321	iP	P	19 36 27.0	0.0	PVCC	comp=Z,32nm,0.8s	Panska Vies	77.32	331	eP	P	19 36 41.3	+0.9	
KONO	Kongsberg	71.21	338	eP	P	19 36 04.8	+0.1	KWP	Kalwaria Pacla	74.91	326	eP	P	19 36 27.6	+1.0	INVG	comp=Z,32nm,0.8s	Invergeldie, C	77.36	343	eP	P	19 36 40.8	+0.1	
KONO	Kongsberg	71.21	338	eP	P	19 36 04.8	+0.1	KWP	Kalwaria Pacla	74.91	326	eP	P	19 36 27.3	+0.5	VYHS	comp=Z,9.0nm,1.0s	Vyhne	77.37	327	eP	P	19 36 41.5	+0.8	
KONO	Kongsberg	71.21	338	eP	P	19 36 04.4	-0.4	KWP	Kalwaria Pacla	74.91	326	eP	P	19 36 27.8	+1.0	VYHS	comp=Z,9.0nm,1.0s	Vyhne	77.37	327	eP	P	19 36 41.5	+0.8	
ANGG	Ammassalik, Gr	71.26	2	eP	P	19 36 04.0	-0.9	ISCO	Idaho Springs	74.95	49	eP	P	19 36 28.4	+0.9	VYHS	comp=Z,9.0nm,1.0s	Vyhne	77.37	327	eP	P	19 36 41.5	+0.8	
KARS	Kars	71.32	308	eP	P	19 36 07.2	+1.3	ISCO	Idaho Springs	74.95	49	eP	P	19 36 28.4	+0.9	ARR	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 36 41.3	+0.3	
AKASG	Malin Array Be	71.34	323	eP	P	19 36 05.7	0.0	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
AKASG	Malin Array Si	71.34	323	eP	P	19 36 05.3	-0.4	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
AKBB	Malin Array Si	71.34	323	eP	P	19 36 03.1	-0.4	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
AKBB	Malin Array Si	71.34	323	eP	P	19 36 03.1	-0.4	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
SUW	Suwalki	71.35	328	eP	P	19 36 05.5	-0.1	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
SUW	Suwalki	71.35	328	eP	P	19 36 05.3	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
SUW	Suwalki	71.35	328	eP	P	19 36 05.5	-0.1	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7	
KIEV	Kiev	71.36	323	eP	P	19 36 05.5	-0.3	STKA	Stephens Creek	75.04	184	P	P	19 36 27.9	+0.4	PSZ	comp=Z,24nm,1.0s	Piszkesteto	77.41	326	eP	P	19 37 06.9	+0.7</	

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GERES Array S, GEF2, GEC2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BFO, BFOA, N40A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PBMO, Q47A, MIAR, etc.

MEX 05 19:33:12.0±0.6, 16°54N-98°44W, h20km±15km, MD3.5, Near coast of Guerrero

UCR 05 19:34:07.4±1.4, 12.75°N-90°77W, h36km±10km, MD3.7, Off coast of central America

IS/CJB 05 19:47:51.9±0.6, 0°16'S-102°06'W, h100km, mb3.1/3, Error ellipse: s-maj=8.9km s-min=7.6km az=155.8

ASAR Alice Springs 26.9 156 P P 19 53 13.5 ±0.1

NEIC 05 19:49:18.9±2.0, 10°86'S-161°62E, h1km±4km, mb4.6/16, Error ellipse: s-maj=17.5km s-min=13.9km az=86.0



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s ISC. Rows include HNR Honiara, HNR Rabaul, DZM Mt Dzumac, etc.

Table with columns: WRAB, Tennant Creek, Warramunga Arr, etc. Rows include WRAB Tennant Creek, WB2 Warramunga Arr, W1 Warramunga Arr, etc.

Table with columns: KMI, Kuning, Chiang Mai Arr, etc. Rows include KMI comp=Z,760nm,21.1s, KMI Kuning, CMAR Chiang Mai Arr, etc.

BUI 05 19:55:56.6, 4.303x152.70E, h21km, mb4.9, mB5.1/11, Ms4.8, Ms7 4.77
ISCJB 05 19:55:57.0, 2.0, 2.4, 3.4Sx0.03x152.70E, 0.03, h58km, mb4.9/59, MS4.1/12, Error ellipse: s-maj=5.0km

MTHZ Maungataniwha 40.73 151 P
WMGZ Waioatahara 40.74 148 P
RAOZ Katara 40.67 150 P
TWGZ Tauwhareparee 40.78 149 P

YKB5 Yellowknife Ar 95.06 28 P
CLL Collm 122.42 31 ePKPdf
LPZ La Paz 134.69 118 PKP

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

Table with columns: GIRL Giralala, SOUTH South Karori, FOZ Fox Glacier, etc. Rows include GIRL Giralala, SOUTH South Karori, FOZ Fox Glacier, etc.

NIED 05 20:00:00.36770N:141.301E, h44km, Mw5.0 Best double couple: M3.49000x1016 NP1:0.660000, 0.8370000, lambda-108.000000
BUI 05 20:00:48.9, 36.72N:141.52E, h52km, mb5.2/76, mB5.1/51, MS4.5/73, Error ellipse: s-maj=5.8km s-min=3.6km az=104.3

JHO			S	Sn	20 01 12.6	-2.4
JFK	Kawauchi	0.72 324	↑P	Pn	20 01 05.0	-0.8
JFK			↑P	Pn	20 01 14.5	-1.4
JFFD	Fukushimafurud	0.74 295	↑P	Pn	20 01 04.8	-1.3
JFFD			↑P	Pn	20 01 14.3	-2.0
JHYU	Hitachinakayam	0.79 237	↑P	Pn	20 01 05.1	-1.5
JHYU			↑P	Pn	20 01 15.0	-2.4
JFT	Otama	1.13 311	↑P	Pn	20 01 11.5	+0.2
JMM	Marumori	1.19 336	↑P	Pn	20 01 11.6	-0.5
JFY	Yanaizu	1.50 295	↑P	Pn	20 01 16.3	0.0
JKH	Ishinomakikobu	1.53	2 P	Pn	20 01 16.2	-0.5
JAG	Ashikaga	1.61 258	↓S	Pn	20 01 17.0	-0.9
JIO	Ouri	1.67 359	↑P	Pn	20 01 18.5	-0.2
JOU	Okura	1.69 340	↑P	Pn	20 01 19.0	0.0
IS0UMI	INFRASON	1.71 211	↑P	Pn	20 01 20.0	+0.7
baz=30,slow=15,SNR=0.7						
JKT	Katashina	1.73 270	↑P	Pn	20 01 19.5	-0.1
JKMT	Kesennumamotoy	2.03	2 P	Pn	20 01 23.6	0.0
JRY	Ryogami san	2.16 250	↑P	Pn	20 01 24.8	-0.6
JMK	Ichinoseki	2.17 356	↑P	Pn	20 01 25.6	0.0
JYK	Kaneyama	2.29 339	↑P	Pn	20 01 27.9	+0.7
OFJU	Ofunato	2.31	5 P	Pn	20 01 27.4	+0.1
JAW	Awa shima	2.39 315	↑P	Pn	20 01 28.9	+0.3
JOD2	Odawara 2	2.41 322	↑P	Pn	20 01 29.2	+0.3
JYZZ	Yamatagayazu	2.52 333	↑P	Pn	20 01 31.9	+1.6
MJAR	Matsushiro Arr	2.56 266	↑P	Pn	20 01 31.2	0.0
23nm,0.3s,ba=91,slow=14,SNR=80.1						
MJAR			S	Sn	20 02 01.7	+0.4
54nm,0.3s,ba=158,slow=8.2						
MJAR			LR	LR	20 02 53.3	
comp=Z,2um,19.1s,ba=105,slow=48						
MAJO	Matsushiro	2.58 266	ePn	Pn	20 01 31.9	+0.7
MAJO			eSn	Sn	20 02 01.7	+0.3
MAJO			e		20 02 53.3	
MAJO	Matsushiro	2.58 266	eP	Pn	20 01 31.9	+0.7
MAJO			e		20 02 01.7	
MAJ	Matsushiro	2.58 266	eP	Pn	20 01 32.0	+0.8
MAT			S	Sn	20 02 02.7	+1.3
MAT			S	Sn	20 01 31.9	+0.6
MJB9	Matsu-Tunnel	2.58 266	ePn	Pn	20 01 32.6	+0.9
JJN	Nakama	2.62 278	↑P	Pn	20 01 33.7	+1.1
JRG	Rokugo	2.68 347	↑P	Pn	20 01 33.1	+0.4
JOM	Ohasama	2.69 358	↑P	Pn	20 01 33.7	-0.5
JSD	Sado	2.80 328	↑P	Pn	20 01 35.0	+0.5
JTB	Tobi-shima	2.82 329	↑P	Pn	20 01 37.2	+1.5
JYW	Yuwa	2.91 342	↑P	Pn	20 01 49.2	+0.8
INU	Inuyama	3.83 249	ePn	Pn	20 02 25.8	-6.3
INU			eSn	Sn	20 01 49.1	0.0
JHJ2	Mitsune	3.88 200	ePn	Pn	20 02 29.2	-4.2
JHJ2			eSn	Sn	20 01 49.2	0.0
JHJ	Hachioji jima 2	3.89 200	P	Pn	20 02 31.6	-1.9
333nm,0.3s,ba=330,slow=21,SNR=34						
JHJ			S	Sn	20 02 09.5	+1.0
794nm,0.3s,ba=58,slow=22,SNR=13						
JMMH	Miemihama	5.30 238	↑P	Pn	20 02 08.8	-1.2
ERM	Erimo	5.40 14	ePn	Pn	20 03 09.0	-1.7
ERM			eSn	Sn	20 02 09.3	-0.6
ERM	Erimo	5.40 14	eP	Pn	20 02 36.8	-0.3
ERM			pmax	pmax	20 04 01.3	+1.8
comp=Z,161nm,0.6s						
ASAJ	Asahikawa	7.39 7	P	Pn	20 02 42.2	-2.5
comp=Z,23nm,0.3s,ba=216,slow=12,SNR=106						
ASAJ			S	Sn	20 04 06.5	-6.6
comp=Z,19nm,0.3s,ba=215,slow=32,SNR=6.7						
GRPR	Tuman	7.94 23	eP	Pn	20 02 44.1	-1.5
GRPR			iS	Sn	20 04 09.6	-5.1
GRPR			pmax	pmax		
comp=Z,417nm,0.4s						
GRPR			pmax	pmax		
comp=E,250nm,0.3s						
GRPR			pmax	pmax		
comp=N,277nm,0.2s						
YUK	Yuzh-Kuril'sk	8.00 24	eP	Pn	20 02 44.1	-1.5
YUK			iS	Sn	20 04 09.6	-5.1
YUK			pmax	pmax		
comp=N,427nm,0.4s						
YUK			pmax	pmax		
comp=E,264nm,0.4s						
YUK			pmax	pmax		
comp=Z,478nm,0.4s						
YUK			MLR	MLR		
comp=Z,1um,20.0s						
YUK			MLR	MLR		
comp=E,783nm,15.0s						
YUK			MLR	MLR		
comp=N,2um,18.0s						
SHO	Shikotan	8.20 29	eP	Pn	20 02 45.0	-3.3
SHO			pmax	pmax		
comp=Z,129nm,0.4s						
SHO			pmax	pmax		
comp=N,43nm,0.3s						
SHO			pmax	pmax		
comp=E,41nm,0.2s						
TEY	Ternei	9.01 338	eP	Pn	20 03 01.0	+1.6
TEY			pmax	pmax		
comp=N,10.0nm,0.7s						
TEY			pmax	pmax		
comp=Z,20nm,0.6s						
TEY			pmax	pmax		
comp=Z,400nm,0.6s						
TEY			pmax	pmax		
comp=N,450nm,0.8s						
TEY			pmax	pmax		
comp=E,230nm,0.8s						
TEY			MLR	MLR		
comp=Z,100nm,17.0s						
JNU	Nakatsue	9.38 250	P	Pn	20 03 05.2	+0.7
comp=Z,1.1nm,0.3s,ba=70,slow=9.7,SNR=11						
JNU			LR	LR	20 06 50.0	
comp=Z,1um,20.7s,ba=63,slow=38						
JNU	Nakatsue	9.38 250	ePn	Pn	20 03 04.0	-0.5
VLA	Vladivostok	9.66 314	iP	Pn	20 03 10.9	+2.6
KUR	Kuril'sk	9.75 28	iP	Sn	20 03 08.4	-1.1
KUR			iS	Sn	20 04 50.9	-6.7
KUR			pmax	pmax		
comp=N,60nm,0.5s						
KUR			pmax	pmax		
comp=Z,146nm,0.5s						
KUR			pmax	pmax		
comp=E,38nm,0.3s						
KUR			smax	smax		
comp=N,187nm,0.4s						
KUR			smax	smax		
comp=E,329nm,0.4s						
MSHR	Mya Shultsa	9.79 309	eP	Pn	20 03 13.5	+3.5
YSS	Yuzh-Sakhalins	10.22 5	ePn	Pn	20 03 13.5	-2.4
YSS	Yuzh-Sakhalins	10.22 5	iP	Pn	20 03 15.2	-0.7
YSS			eS	Sn	20 05 04.4	-4.6
YSS			pmax	pmax		
comp=Z,40nm,0.8s						
YSS			smax	smax		
comp=N,90nm,1.5s						
YSS			smax	smax		
comp=E,100nm,1.2s						
YSS			MLR	MLR		
comp=Z,600nm,16.0s						
USRK	Ussuriysk Ar.	10.31 319	P	Pn	20 03 18.9	+1.8
comp=Z,7.2nm,0.3s,ba=132,slow=12,SNR=137						
USRK			LR	LR	20 07 06.1	
comp=Z,2um,18.9s,ba=132,slow=36						
USA08	Ussuriysk Arra	10.31 319	ePn	Pn	20 03 18.1	+1.0
KSRS	Korea Array	10.79 278	P	Pn	20 03 25.2	+1.5
comp=Z,1.4nm,0.3s,ba=90,slow=13,SNR=97						
KSRS			LR	LR	20 07 24.6	
comp=Z,2um,19.6s,ba=76,slow=36						
KS01	Wonju Array Si	10.81 278	ePn	Pn	20 03 24.9	+0.8
KS15	Wonju Array Si	10.82 278	ePn	Pn	20 03 26.0	+1.9
TJN	Taefjon	11.30 272	eP	Pn	20 03 35.2	+4.5
MDJ	Mudanjiang	11.89 315	P	Pn	20 03 43.6	+4.8
MDJ			S	Sn	20 05 54.4	+4.4
MDJ			pmax	pmax		
comp=Z,63nm,0.9s						
MDJ			LR	LR		
comp=Z,1um,16.8s						
MDJ			LR	LR		
comp=Z,1um,18.2s						
MDJ			LR	LR		
comp=Z,2um,17.1s						
MDJ			LR	LR		
MDJ	Mudanjiang	11.89 315	ePn	Pn	20 03 40.0	+1.2
UGL	Ulgjegorsk	12.30 2	iP	Pn	20 03 42.9	-1.4
UGL			S	Sn	20 05 56.7	-3.2
UGL			pmax	pmax		
comp=Z,47nm,0.7s						
UGL			MLR	MLR		

UGL	comp=Z,900nm,13.0s		MLR	MLR		
CN2	comp=E,1um,16.0s		eP	Pn	20 04 08.2	+0.1
Changchun	14.04 305	eP	S	Pn	20 04 23.8	+8.9
CN2		eS	Pn	Pn	20 06 43.1	+0.7
CN2		pmax	pmax			
comp=E,20nm,1.1s						
CN2		pmax	pmax			
comp=E,200nm,3.0s						
CN2		LR	LR			
comp=E,610nm,14.0s						
CN2		LR	LR			
comp=E,1um,14.0s						
CN2		LR	LR			
comp=E,1um,16.0s						
TYV	Tymovskoe	14.11 3	eP	Pn	20 04 06.8	-2.1
TYV		eS	Pn	Pn	20 06 42.6	-1.4
TYV		pmax	pmax			
comp=Z,16nm,1.7s						
TYV		smax	smax			
comp=E,200nm,4.9s						
TYV		MLR	MLR			
comp=Z,1um,17.0s						
KLR	Kul'dur	14.29 334	P	Pn	20 04 10.9	-0.5
comp=Z,0.9nm,0.3s,ba=155,slow=7.9,SNR=37						
KLR		LR	LR			
comp=Z,1um,19.3s,ba=146,slow=9						
KLR	Kul'dur	14.29 334	eP	Pn	20 04 11.8	+0.4
GRNR	Gornyy	14.44 347	eP	Pn	20 04 10.4	-3.0
GRNR		pmax	pmax			
comp=Z,25nm,1.0s						
SNY	Shenyang	14.69 296	↑P	P	20 04 22.4	+0.3
SNY		S	Sn	Sn	20 07 06.2	+8.1
SNY		pmax	pmax			
comp=Z,23nm,0.6s						
SNY		pmax	pmax			
comp=Z,230nm,4.1s						
SNY		LR	LR			
comp=N,770nm,13.2s						
SNY		LR	LR			
comp=E,2um,18.4s						
SNY		LR	LR			
comp=Z,2um,19.0s						
DL2	Dalian	15.77 284	P	P	20 04 37.7	+3.6
DL2		S	S	S	20 04 49.2	-1.1
DL2		eS	S	S	20 07 35.0	-2.4
comp=Z,130nm,0.7s						
DL2		pmax	pmax			
comp=Z,290nm,4.0s						
DL2		LR	LR			
comp=N,500nm,16.6s						
DL2		LR	LR			
comp=E,1um,19.6s						
DL2		LR	LR			
comp=Z,2um,19.6s						
NKL	Nikolayevsk	16.38 358	eP	Pn	20 04 34.0	-4.5
NKL		pmax	pmax			
comp=Z,20nm,0.9s						
NKL		MLR	MLR			
comp=N,1um,14.0s						
NKL		MLR	MLR			
comp=Z,1um,14.0s						
SKR	Severo-Kuril's	17.45 33	eP	Pn	20 04 46.6	-5.3
SKR		pmax</				



BRVK	Borovoye	50.79 313	P	P	20 09 47.6	0.0
SRBI	Singaraja	50.94 214	P	P	20 09 49.3	+0.3
DOT	Dot Lake	51.02 34	eP	P	20 09 49.8	+0.6
DOT	comp-Z, 110nm, 1.9s					
SCRK	Sand Creek	51.02 33	eP	P	20 11 05.9	+1.4
EKSZ	Erkin-Say	51.10 299	P	P	20 09 50.1	+0.8
GRJI	Gresik	51.22 218	P	P	20 09 50.1	-0.1
MENT	Mentasta	51.25 34	eP	P	20 09 51.3	+0.2
DNP	Depassar	51.47 214	P	P	20 09 52.6	+1.7
RGRI	Rengas Array	51.70 233	P	P	20 09 52.5	-0.4
JAGI	Jajag, Banyuw	51.77 215	eP	P	20 10 08.8	+1.7
JAGI	Jajag, Banyuw	51.77 215	P	P	20 09 53.0	-2.2
GMJI	Gumukmas	51.93 216	P	P	20 09 55.3	+0.1
TGL	Tana Glacier	51.96 37	eP	P	20 09 56.1	-0.3
BKNI	Bangkitang	52.04 235	eP	P	20 09 56.1	-0.3
BKNI	Bangkitang	52.04 235	P	P	20 09 56.9	-0.4
EGAK	Eagle	52.16 32	eP	P	20 10 10.6	+1.0
PMBI	Palemang	52.18 229	P	P	20 09 58.1	+0.6
PWJI	Pagerwojo	52.50 218	P	P	20 10 13.0	+2.3
DAWY	Dawson	53.02 33	eP	P	20 09 59.5	-1.2
UGM	Ungam	53.05 220	P	P	20 10 05.5	+1.4
UGM	Ungam	53.05 220	P	P	20 10 03.8	-1.0
KK31	Karatay Array	53.24 300	eP	P	20 10 04.8	0.0
KK31	Karatay Array	53.24 300	eP	P	20 10 05.7	-0.3
KKAR	Karatay Array	53.24 300	eP	P	20 10 05.7	-0.3
KKAR	Karatay Array	53.24 300	eP	P	20 10 05.7	-0.3
PCA	Pinnacle	53.33 38	eP	P	20 10 05.9	0.0
KPJI	Karang Pucung	53.40 222	P	P	20 10 05.9	0.0
KRJI	Kerinci	53.59 233	P	P	20 10 08.2	-0.2
GSI	Gunungsitoli	53.66 239	eP	P	20 10 09.3	0.0
GSI	Gunungsitoli	53.66 239	eP	P	20 10 09.3	0.0
LEM	Lembang	53.69 223	P	P	20 10 09.0	-0.3
LEM	comp-Z, 7.7nm, 0.8s, baz=33, slow=7.6, SNR=4.7					
EPYK	Eagle Plains	53.75 30	eP	P	20 10 09.4	-0.2
EPYK	Eagle Plains	53.75 30	eP	P	20 10 11.3	+2.0
CBJI	Citeko	53.78 224	P	P	20 10 11.3	+2.0
BLSI	Bandar Lampung	53.84 227	P	P	20 10 24.0	+1.5
BTK	Batken	54.06 297	eP	P	20 10 22.6	-0.4
BTK	Batken	54.06 297	eP	P	20 10 12.1	+0.1
BTK	Batken	54.06 297	eP	P	20 10 12.1	+0.1
KASI	Kota Agung	54.41 227	P	P	20 10 12.1	+0.1
INK	Inuvik	54.62 27	eP	P	20 10 14.7	+0.1
INK	comp-Z, 1.8nm, 0.9s, baz=290, slow=6.4, SNR=3.3					
INK	Inuvik	54.62 27	eP	P	20 10 29.6	+1.6
INK	Inuvik	54.62 27	eP	P	20 10 16.4	+1.0
NIL	Nilore	54.69 288	eP	P	20 10 17.1	+0.4
GAR	Garm	54.80 296	eP	P	20 10 17.4	-0.1
GAR	Garm	54.80 296	eP	P	20 10 17.4	-0.1
SVE	Sverdlovsk	55.33 319	eP	P	20 10 17.4	-0.1
SVE	comp-Z, 4.0nm, 0.6s					
SVE	Sve	55.33 319	eP	P	20 10 21.3	+0.4
WHY	Whitehorse	55.80 36	eP	P	20 10 21.3	+0.4
WHY	Whitehorse	55.80 36	eP	P	20 10 26.3	+2.0
SKAG	Skagway	55.90 38	eP	P	20 10 26.3	+2.0
ARU	Arti	56.55 319	eP	P	20 10 26.9	+2.0
ARU	Arti	56.55 319	eP	P	20 10 29.1	-0.4
ARU	Arti	56.55 319	eP	P	20 10 29.1	-0.4
ARU	Arti	56.55 319	eP	P	20 10 29.3	-0.2
ARU	Arti	56.55 319	eP	P	20 10 23.6	
ARU	Arti	56.55 319	eP	P	20 12 32.4	
ARU	Arti	56.55 319	eP	P	20 18 19.7	+2.0
ARU	Arti	56.55 319	eP	P	20 22 05.1	+0.1
ARU	Arti	56.55 319	eP	P	20 10 29.9	-1.8
FITZ	Fitzroy Crossi	56.57 198	P	P	20 10 30.0	-0.1
FITZ	Fitzroy Crossi	56.57 198	P	P	20 10 30.0	-0.1
FITZ	Fitzroy Crossi	56.57 198	P	P	20 10 43.1	+0.5
FITZ	Fitzroy Crossi	56.57 198	P	P	20 10 30.4	+0.4
CTA	Charters Tower	56.74 175	P	P	20 10 30.2	-1.1
CTA	Charters Tower	56.74 175	P	P	20 10 30.4	-1.3
WRAB	Tennant Creek	56.80 188	eP	P	20 10 30.4	-1.3
WRAB	Tennant Creek	56.80 188	eP	P	20 10 31.0	-0.7
WRAB	Tennant Creek	56.80 188	eP	P	20 10 29.9	-1.8
WB2	Warramunga Arr	56.81 188	eP	P	20 10 30.3	-1.4
WB2	Warramunga Arr	56.81 188	eP	P	20 10 27.3	+0.2
WB2	Warramunga Arr	56.81 188	eP	P	20 10 27.6	+0.5
WB2	Warramunga Arr	56.81 188	eP	P	20 10 30.2	-1.6
WB2	Warramunga Arr	56.81 188	eP	P	20 10 30.2	-1.6
WB2	Warramunga Arr	56.81 188	eP	P	20 10 26.8	-0.3
WB2	Warramunga Arr	56.81 188	eP	P	20 10 30.2	-1.6
WRA	Warramunga Arr	56.81 188	eP	P	20 10 43.4	-0.9
WRA	Warramunga Arr	56.81 188	eP	P	20 11 26.8	-0.3
WRA	Warramunga Arr	56.81 188	eP	P	20 11 26.8	-0.3
WRA	Warramunga Arr	56.81 188	eP	P	20 34 27.5	
POHA	Pohakuloa	57.12 89	eP	P	20 10 33.9	-0.5
KBL	Kabul	57.50 291	eP	P	20 10 35.7	-1.2
KBL	Kabul	57.50 291	eP	P	20 10 35.7	-1.2
ABKAR	Akbulak array	58.10 310	eP	P	20 10 40.0	-0.6
HYB	Hyderabad	58.19 269	iP	P	20 10 42.0	+0.3
HYB	Hyderabad	58.19 269	iP	P	20 11 31.0	-1.8
DLBC	Dease Lake	58.83 38	eP	P	20 10 48.0	+2.3
AKTO	Aktuyubinsk	58.84 312	P	P	20 10 45.2	-0.6
AKTO	Aktuyubinsk	58.84 312	P	P	20 11 34.9	0.0
KIRV	Kirov	60.45 323	P	P	20 10 56.5	-0.1
KIRV	Kirov	60.45 323	P	P	20 11 09.2	-0.2
AS01	Alice Springs	60.53 188	eP	P	20 10 57.0	-0.6
AS31	Alice Springs	60.53 188	eP	P	20 10 56.9	-0.7
AS31	Alice Springs	60.53 188	eP	P	20 40 19.6	+7.0
AS31	Alice Springs	60.53 188	eP	P	20 40 27.0	
AS31	Alice Springs	60.53 188	eP	P	20 40 39.6	+7.0
ASAR	Alice Springs	60.53 188	eP	P	20 10 57.0	-0.7
ASAR	Alice Springs	60.53 188	eP	P	20 11 09.1	-1.1
ASAR	Alice Springs	60.53 188	eP	P	20 38 01.5	
ASAR	Alice Springs	60.53 188	eP	P	20 40 19.6	+7.0

ASAR	comp-Z, 0.6nm, 0.9s, baz=162, slow=2.9, SNR=5.1					
ASAR	comp-Z, 0.9nm, 0.7s, baz=164, slow=1.1, SNR=9.2					
PRGR	Pergomero	60.98 327	eP	P	20 10 59.3	-0.9
PRGR	Pergomero	60.98 327	eP	P	20 11 12.3	-0.6
MBWA	Marble Bar	61.15 203	eP	P	20 11 01.6	-0.2
PSA00	Pilbara Seismi	61.50 203	eP	P	20 11 03.6	-0.6
HSPB	Horseshoe (broa	61.69 348	eP	P	20 11 06.1	+1.3
PALK	Pallekele	62.31 258	eP	P	20 11 09.8	-0.1
PALK	Pallekele	62.31 258	eP	P	20 11 09.8	-0.1
RES	Resolute Bay	62.85 14	P	P	20 11 12.7	+0.1
RES	Resolute Bay	62.85 14	P	P	20 11 26.2	+0.9
RES	Resolute Bay	62.85 14	P	P	20 11 12.6	+0.1
APA	Apaitity	62.92 336	iP	P	20 11 07.5	-5.6
APA	comp-Z, 9.0nm, 1.1s					
TMCR	Tamitsa	62.97 331	eP	P	20 11 13.4	-0.1
TMCR	comp-Z, 3.1nm, 0.9s					
DZM	Mont Dzumac	63.13 154	LR	LR	20 36 59.7	
GEYT	Alibeck	63.95 299	P	P	20 11 20.4	-0.2
GEYT	comp-Z, 1.2nm, 1.0s, baz=48, slow=2.2, SNR=26					
GEYT	comp-Z, 2.6nm, 1.0s, baz=243, slow=2.3, SNR=14					
GEYT	comp-Z, 1.03nm, 1.8s, baz=50, slow=39					
GYA0B	ALIBECK ARRAY	63.95 299	eP	P	20 11 20.5	-0.1
KLMR	Klimovskoe	63.97 328	eP	P	20 11 20.1	-0.1
KLMR	Klimovskoe	63.97 328	eP	P	20 11 20.1	-0.1
KLMR	Klimovskoe	63.97 328	eP	P	20 11 20.1	-0.1
KLMR	Klimovskoe	63.97 328	eP	P	20 11 33.3	
KLMR	Klimovskoe	63.97 328	eP	P	20 11 20.7	+0.3
YKWA	Yellowknife Ar	64.03 30	eP	P	20 11 21.1	+0.6
YKWA	Yellowknife Ar	64.03 30	eP	P	20 11 21.1	+0.6
YKA	comp-Z, 8.5nm, 0.7s, baz=303, slow=6.6, SNR=115					
YKA	comp-Z, 1.0nm, 1.0s, baz=120, slow=1.6, SNR=8.9					
YKA	comp-Z, 0.2nm, 1.0s, baz=121, slow=2.4, SNR=3.8					
YKA	comp-Z, 1.2nm, 1.8s, baz=224, slow=39					
YKBS	Yellowknife Ar	64.03 30	eP	P	20 11 20.2	-0.4
ARAD	ARCES Array B	64.23 339	P	P	20 11 21.7	-0.1
ARCES	ARCES Array B	64.23 339	P	P	20 11 21.7	-0.1
ARCES	ARCES Array B	64.23 339	P	P	20 44 46.3	
KTK1	Kautokino	65.19 340	eP	P	20 11 28.7	+0.6
DAG	Danmarks Havn	66.03 355	iP	P	20 11 33.6	+0.3
DAG	Danmarks Havn	66.03 355	iP	P	20 11 33.6	+0.3
DAG	Danmarks Havn	66.03 355	iP	P	20 11 37.2	+0.7
LLL	Lillooet	66.44 44	eP	P	20 11 41.8	+2.3
NLWA	Neilton Lookou	66.89 47	eP	P	20 11 41.4	+2.0
A04D	Lummi Island	66.91 46	P	P	20 11 44.3	+2.5
D03D	Eldon	67.28 47	P	P	20 11 40.8	-1.9
MOS	Moscow	67.45 324	eP	P	20 11 52.6	
MOS	Moscow	67.45 324	eP	P	20 12 08.1	
MOS	Moscow	67.45 324	eP	P	20 14 08.0	
MOS	Moscow	67.45 324	eP	P	20 20 32.9	-2.3
MOS	Moscow	67.45 324	eP	P	20 11 45.1	+2.0
B05A	Bryant	67.49 46	P	P	20 11 44.8	+1.6
E03A	Lebanon	67.50 48	eP	P	20 11 44.2	+0.7
ARMA	Armidade	67.53 170	eP	P	20 11 46.5	+2.4
D04E	Lakebay	67.65 47	eP	P	20 11 46.1	+1.6
B06A	Marblemount	67.72 45	eP	P	20 11 43.9	-0.9
VRH	Novokhopovsk	67.76 318	eP	P	20 11 55.7	-1.9
VRH	Novokhopovsk	67.76 318	eP	P	20 11 47.8	+2.0
F04D	Rainier OR	68.06 48	P	P	20 11 49.2	+2.3
E04D	Cinebar	68.08 48	P	P	20 11 48.6	+1.6
D05A	Ezumclaw	68.10 47	eP	P	20 11 46.7	+0.1
STEI	Steigen	68.11 341	eP	P	20 11 47.4	+0.1
KULLO	Kullorsuaq	68.23 5	iP	P	20 11 47.4	+0.1
KULLO	Kullorsuaq	68.23 5	iP	P	20 11 47.4	+0.1
KULLO	Kullorsuaq	68.23 5	iP	P	20 11 47.1	-0.9
OBNS	Obninsk	68.29 323	eP	P	20 11 47.3	-0.7
OBNS	Obninsk	68.29 323	eP	P	20 11 47.7	-0.3
OBNS	Obninsk	68.29 323	eP	P	20 11 56.9	
OBNS	Obninsk	68.29 323	eP	P	20 12 13.9	
OBNS	Obninsk	68.29 323	eP	P	20 14 25.3	
STKA	Stevens Creek	68.30 180	eP	P	20 11 46.0	-2.2
STKA	Stevens Creek	68.30 180	eP	P	20 12 01.5	+0.5
STKA	Stevens Creek	68.30 180	eP	P	20 11 46.3	-1.9
STKA	Stevens Creek	68.30 180	eP	P	20 11 46.3	-1.9
G03D	McIntoshville, O	68.35 49	P	P	20 11 50.8	+2.2
F0RT	Forrest	68.36 192	eP	P	20 11 50.2	+1.0
C06D	Leavenworth	68.36 46	P	P	20 11 50.2	+1.0
LON	Longmire	68.43 47	eP	P	20 11 50.2	+1.0
LON	Longmire	68.43 47	eP	P	20 11 50.2	+1.0
LPSR	Galich'ya Gora	68.49 320	eP	P	20 11 48.5	-0.1
LPSR	Galich'ya Gora	68.49 320	eP	P		



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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like Q24A, Q24A, Q24A, etc.

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





Table with columns: RTLS, Leonicito, 2.75 191 eP, Pn, 20 02 14.9 +0.4, 20 02 49.6, comp=Z,228nm,0.3s, RTVCY Cerro Valdivia, 2.77 177 eP, Pn, 20 02 14.9 +0.4, CMCH Combarbala, 2.88 223 eP, Pn, 20 02 15.4 +0.6, CMCH, comp=E,951nm,0.4s, AUSP Uspallata, 3.18 191 eP, Pn, 20 02 20.7 +0.6, ACAN Cantaralta, 3.43 158 eP, Pn, 20 02 23.8 +0.5, AHML Horco Molle, 3.76 53 eP, Pn, 20 03 10.1 -1.0, AHML, comp=Z,778nm,0.5s, AHML Horco Molle, 3.76 53 eP, Pn, 20 02 27.6 0.0, FSA Cafayate, 4.20 40 eP, Pn, 20 02 30.4 +1.7, MRA San Martin, 4.20 143 eP, Pn, 20 02 33.3 -0.3, MRA, comp=Z,440nm,0.4s, TCA Tanti, 4.20 123 eP, Pn, 20 02 32.9 -0.7, TCA, comp=Z,344nm,0.5s, ROCH El Roble, 4.35 207 eP, Pn, 20 02 33.8 -1.9, ROCH El Roble, 4.36 207 eP, Pn, 20 02 33.7 -2.1, PEL Peidethu, 4.39 202 eP, Pn, 20 02 34.0 -2.0, LVC Limon Verde, 6.45 358 eP, Pn, 20 03 03.9 -4.0, LVC, comp=Z,2.9nm,0.3s,baz=160,slow=7.6,SNR=22, comp=Z,1.4nm,0.3s,baz=184,slow=19,SNR=4.2, CPUP Villa Flores, 10.44 77 eP, Pn, 20 03 55.7 -2.3, CPUP, comp=Z,0.1nm,0.3s,baz=252,slow=1.9,SNR=3.4, PLCA Paso Flores, 11.72 187 P, Pn, 20 04 13.9 -1.1, PLCA, comp=Z,0.1nm,0.3s,baz=21,slow=13,SNR=3.4, LAZ La Paz, 12.75 2 P, Pn, 20 04 29.4 +0.1, LAZ, comp=Z,0.1nm,0.3s,baz=21,slow=14,SNR=3.1, KURBB Kurchatov Arra, 147 31 40 PKPbc PKPdf, 20 01 20.8 +1.9, ZALV Zalesovo Beam, 148 56 30 PKPbc PKPbc, 20 01 05.3 +0.7, MKAR Matancchi Array, 151 32 44 PKPbc PKPbc, 20 01 12.3 +0.7, MKAR, comp=Z,0.4nm,0.5s,baz=298,slow=2.8,SNR=5.5, MKAR, comp=Z,0.6nm,0.6s,baz=301,slow=3.8,SNR=7.2

ISCJB 05 20:04:09.70.5,34.41N,0.05:25.25E,0.04,h80km,8km, Error ellipse: s-maj=8.6km s-min=5.8km az=164.9 THE 05 20:04:10.9,34.41N:25.20E,h3km,3km,ML2.8/6, Error ellipse: s-maj=3.3km s-min=1.1km az=167.0 ATH 05 20:04:11.1,34.45N:25.21E,h39km,3km,ML2.9/6, Error ellipse: s-maj=6.3km s-min=1.8km az=344.0 ISK 05 20:04:14.1,34.98N:25.17E,h20km,ML3.2/15 GIL 05 20:04:17.5,0.0,33.97N:25.89E,h20km SSC 05 20:04:10.7,1.5,34.39N:0.06:25.31E,0.04,h28km,13km,n55,+2187/8,Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, SIVA Sivas, 0.75 327 P, S, 20 04 24.6 -0.5, SIVA Sivas, 0.75 327 P, S, 20 04 34.4 -0.6, SIVA Sivas, 0.75 327 P, S, 20 04 24.6 -0.5, SIVA Sivas, 0.75 327 P, S, 20 04 35.0 -0.8, SIVA, comp=N,4255um,0.5s, AML, AML, 20 04 41.1, LAST Lasithi, 0.78 10 P, S, 20 04 26.1 +0.3, LAST Lasithi, 0.78 10 P, S, 20 04 34.4 +1.6, LAST Lasithi, 0.78 10 P, S, 20 04 26.0 +0.2, LAST Lasithi, 0.78 10 P, S, 20 04 37.8 +1.0, LAST, comp=N,1072um,0.6s, AML, AML, 20 04 41.2, NPS Neapolis, 0.90 16 P, S, 20 04 28.4 +0.8, NPS Neapolis, 0.90 16 P, S, 20 04 42.7 +3.0, NPS Neapolis, 0.90 16 P, S, 20 04 28.2 +0.4, NPS, comp=N,674um,0.5s, AML, AML, 20 04 50.3, NPS, comp=E,1280um,0.4s, 0.96 339 P, S, 20 04 27.0 -1.8, NPS, comp=E,145.4um,1.8s, 0.45 44 S, P, 20 04 42.1 +0.1, NPS, comp=E,103.3um,1.1s, 0.96 339 P, P, 20 04 27.2 -1.6, NPS, comp=E,103.3um,1.1s, 1.03 38 P, P, 20 04 31.3 +1.3, NPS, comp=E,103.3um,1.1s, 1.04 46 P, P, 20 04 47.2 +4.3, NPS, comp=E,103.3um,1.1s, 1.04 46 P, P, 20 04 31.2 +1.1, NPS, comp=E,103.3um,1.1s, 1.04 46 P, P, 20 04 46.9 +3.8, NPS, comp=E,103.3um,1.1s, 1.04 46 P, P, 20 04 45.5 +2.5, NPS, comp=N,360um,0.6s, AML, AML, 20 04 50.3, ZKR Zakros, 1.04 46 P, S, 20 04 32.0 +0.9, ZKR Zakros, 1.04 46 P, S, 20 04 45.2 +0.6, ZKR Zakros, 1.04 46 P, S, 20 04 45.5 +0.9, ZKR Zakros, 1.04 294 P, S, 20 04 30.5 -0.6, ZKR Zakros, 1.04 294 P, S, 20 04 44.7 +0.2, ZKR, comp=N,1405um,0.5s, AML, AML, 20 04 57.5, VAM Vamos, 1.36 318 P, S, 20 04 34.4 -1.2, VAM Vamos, 1.36 318 P, S, 20 04 34.3 -1.2, IMMV Iera Moni Meta, 1.52 315 P, Pn, 20 04 36.5 +0.4, IMMV, comp=E,660um,0.8s, AML, AML, 20 05 16.0, KARP Karpathos, 1.91 52 Pn, Pn, 20 04 44.1 +2.7, KARP Karpathos, 1.91 52 Pn, Pn, 20 04 44.3 +2.9, KARP Karpathos, 1.98 4 Pn, Pn, 20 04 39.4 -3.0, ANAF Anafi Island, 2.00 11 Pn, Pn, 20 04 42.9 +0.3, APE Apeiranthos, 2.68 4 Pn, Pn, 20 04 49.4 +2.6, APE Apeiranthos, 2.68 4 Pn, Pn, 20 04 51.2 +1.0, ARG Arhangelos, 2.94 51 Pn, Pn, 20 04 57.7 +2.2, DAT Datca, 2.98 38 Pn, Pn, 20 04 57.1 +0.9, DAT Datca, 2.98 38 Pn, Pn, 20 04 57.6 +1.4, DAT, comp=Z,159nm,0.2s, IAML\_P, 20 05 55.8 -0.8, VLI Veliai, 3.02 321 P, Pn, 20 05 07.1 +1.9, DALY Dalayan (Mula), 3.65 47 Pn, Pn, 20 05 08.0 +2.7, DALY Dalayan (Mula), 3.65 47 Pn, Pn, 20 05 46.8 -0.5, IMMV, comp=Z,399nm,0.2s, 3.65 46 Pn, Pn, 20 05 03.0 -2.3, IMMV, comp=Z,399nm,0.2s, 3.65 46 Pn, Pn, 20 05 01.8 -3.5, IMMV, comp=Z,444nm,0.2s, 3.65 41 Pn, Pn, 20 05 06.5 +1.1, YER Yerkesik, 3.81 53 Pn, Pn, 20 05 09.8 +2.3, FETY Fethiye, 3.81 53 Pn, Pn, 20 05 08.1 +0.6, FETY, comp=Z,430nm,0.3s, 3.96 61 Pn, Pn, 20 05 14.1 +4.3, AKAS Kas, 3.96 61 Pn, Pn, 20 05 10.3 +0.5, AKAS Kas, 3.96 61 Pn, Pn, 20 05 55.2 -0.2, IMMV, comp=Z,714nm,0.1s, 4.12 30 Pn, Pn, 20 05 11.8 -0.1, AYDB Zeytinokoy-Aydi, 4.24 43 Pn, Pn, 20 05 16.2 +2.7, TAVA DENIZLI\_Tavas, 4.24 43 Pn, Pn, 20 06 01.8 -0.3, TAVA, comp=Z,139nm,0.1s, 4.43 57 Pn, Pn, 20 05 19.5 +3.4, ELL Elimali, 4.54 63 Pn, Pn, 20 05 18.3 +0.7, AKUM Antalya-Kumluc, 4.54 63 Pn, Pn, 20 06 09.0 -0.5, NPS Neapolis, 1.23 336 P, S, 20 05 06.9 -0.5, NPS Neapolis, 1.23 336 P, S, 20 05 06.3 +0.1, NPS Neapolis, 1.23 336 P, S, 20 05 12.7 -1.1, NPS, comp=N,2546um,0.7s, AML, AML, 20 05 51.7, NPS, comp=E,428um,0.7s, 1.46 307 P, P, 20 05 11.7 +1.5, SIVA Sivas, 1.46 307 P, P, 20 05 11.6 +1.5, SIVA Sivas, 1.46 307 P, P, 20 05 11.6 +1.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, KSTL Kastelli Herak, 1.50 321 P, Pn, 20 15 08.2 -1.6, TMKB Timbaki Herak, 1.52 308 P, P, 20 15 13.2 +1.8, IDI Anoyia, 1.59 317 Pn, Pn, 20 15 12.2 +0.1, IDI Anoyia, comp=E,7.9nm,0.3s,baz=165,slow=6.5,SNR=63, 1.59 317 Pn, Pn, 20 15 12.2 +0.1, KARP Karpathos, 1.60 28 Pn, Pn, 20 15 12.1 -0.2, KARP Karpathos, 1.60 28 ePn, Pn, 20 15 13.2 +0.3, KARP Karpathos, 1.60 28 P, Pn, 20 15 13.4 +0.5, KARP Karpathos, 1.60 28 P, Pn, 20 15 13.9 +1.0, GVD Gavdhos, 1.90 292 Pn, Pn, 20 15 17.9 +0.5, GVD Gavdhos, 1.90 292 P, Pn, 20 15 17.9 +0.5, VAM Vamos, 2.09 308 P, Pn, 20 15 20.8 +0.1, VAM Vamos, 2.09 308 P, Pn, 20 15 20.4 -0.3, ANAF Anafi Island, 2.24 351 Pn, Pn, 20 15 21.5 +1.4, ANAF Anafi Island, 2.24 351 Pn, Pn, 20 15 23.7 +1.6, IMMV Iera Moni Meta, 2.27 306 Pn, Pn, 20 15 22.2 -1.5, IMMV Iera Moni Meta, 2.27 306 Pn, Pn, 20 15 23.4 -0.3, IMMV Iera Moni Meta, 2.27 306 Pn, Pn, 20 15 23.6 -0.1, SANT Santorini, 2.31 344 Pn, Pn, 20 15 21.0 0.0, SANT Santorini, 2.31 344 Pn, Pn, 20 15 22.4 +1.3, THR3 Thra Island, 2.31 343 Pn, Pn, 20 15 22.1 +1.1, THR3 Santorini-Mono, 2.34 345 Pn, Pn, 20 15 22.8 +1.4, THR3 Thra Island, 2.36 344 Pn, Pn, 20 15 22.7 +1.0, THR3 Thra Island, 2.38 343 Pn, Pn, 20 15 22.7 +1.0, THR3 Thra Island, 2.39 345 Pn, Pn, 20 15 24.0 -1.8, KARP Karpathos, 2.40 343 Pn, Pn, 20 15 23.9 +0.7, CMBO Colombo, Santo, 2.42 344 Pn, Pn, 20 15 23.8 +1.3, NISR Nisiros, 2.57 16 Pn, Pn, 20 15 25.9 +3.3, NISR Nisiros, 2.57 16 Pn, Pn, 20 15 25.7 +1.1, ARG Arhangelos, 2.59 36 Pn, Pn, 20 15 26.3 +1.4, ARG Arhangelos, 2.59 36 Pn, Pn, 20 15 27.5 -1.6, DAT Datca, 2.62 42 Pn, Pn, 20 15 29.1 +0.9, ANKY Antikythira Is, 2.95 306 Pn, Pn, 20 15 32.9 -2.5, APE Apeiranthos, 2.98 349 Pn, Pn, 20 15 31.3 +1.1, APE Apeiranthos, 2.98 349 Pn, Pn, 20 15 30.6 +0.4, BODT Bodrum, 3.05 17 Pn, Pn, 20 15 32.4 +1.3, DALY Dalayan (Mula), 3.36 36 Pn, Pn, 20 15 33.6 +1.0, TURN Turun, 3.36 36 Pn, Pn, 20 15 33.7 +0.5, KYTH Kithira, 3.36 310 Pn, Pn, 20 15 37.1 +1.7, FETY Fethiye, 3.42 42 Pn, Pn, 20 15 38.2 +2.0, YER Yerkesik, 3.43 29 Pn, Pn, 20 15 38.4 +2.0, YER Yerkesik, 3.43 29 Pn, Pn, 20 15 38.2 +1.8, AKAS Kas, 3.47 42 Pn, Pn, 20 15 39.1 +1.6, SMG Samos, 3.60 8 Pn, Pn, 20 15 39.7 +1.0, GCAM Gzazelcaml?, 3.65 13 Pn, Pn, 20 15 41.4 +2.1, VLI Veliai, 3.72 315 Pn, Pn, 20 15 41.0 +0.7, ELL Elimali, 3.98 48 Pn, Pn, 20 15 46.3 +2.3, AYDB Zeytinokoy-Aydi, 4.03 19 Pn, Pn, 20 15 46.9 +2.1, ITH Ithomi, 4.41 48 Pn, Pn, 20 15 51.9 +0.9, ITH Ithomi, 4.63 312 ePn, Pn, 20 15 53.7 +1.0, ITH Ithomi, 4.63 312 ePn, Pn, 20 15 53.9 +1.0, MANT Manisa, 4.73 23 ePn, Pn, 20 15 54.1 -0.4, KULA Kula-Manisa, 4.79 24 Pn, Pn, 20 15 57.3 +2.2, ITH Ithomi, 5.06 42 ePn, Pn, 20 15 58.4 +0.9, GAZI Gazipasa, 5.41 66 Pn, Pn, 20 18 06.8 +3.2, AGG Agios Georgios, 5.97 328 ePn, Pn, 20 16 09.0 +0.1, CSS Mathiasis, 5.92 80 ePn, Pn, 20 16 11.6 +0.9, KONT Konya-Tatoy, 6.25 51 Pn, Pn, 20 16 18.7 +3.5, LADK Ladik-KONYA, 6.41 49 Pn, Pn, 20 16 21.0 +3.6, GAZI Gazipasa, 6.65 339 ePn, Pn, 20 16 23.9 +1.6, FNA Florida, 7.67 331 ePn, Pn, 20 16 35.7 +1.1, MMAI Mount Meron Ar, 7.74 96 Pn, Pn, 20 16 35.8 +0.1, MMAI, comp=E,2.4nm,0.3s,baz=274,slow=12,SNR=20, 7.74 96 Pn, Pn, 20 17 59.2 -4.6, BR101 Keskin Array S, 8.14 45 ePn, Pn, 20 16 41.3 +0.1, BR131 Keskin Array S, 8.14 45 ePn, Pn, 20 16 41.4 +0.2, BRTR Keskin Array B, 8.14 45 ePn, Pn, 20 16 41.3 +0.1, EIL Elia, 8.65 119 Pn, Pn, 20 16 48.6 +0.5, EIL, comp=E,0.3nm,0.3s,baz=329,slow=4.8,SNR=9.0, 8.65 119 Pn, Pn, 20 18 21.9 -4.3, TIP Tipogrado, 9.12 306 ePn, Pn, 20 16 52.4 -2.1, ASF Jabal Asfar, 9.15 99 Pn, Pn, 20 16 55.1 -0.1, ASF, comp=E,0.2nm,0.3s,baz=297,slow=9.0,SNR=2.0, 9.15 99 Pn, Pn, 20 18 41.4 +2.6, CEL Valguenera, 9.30 299 ePn, Pn, 20 16 56.0 -1.1, VAE Valguenera, 10.15 293 Pn, Pn, 20 17 09.6 -0.8, VAE, comp=E,0.4nm,0.3s,baz=117,slow=14,SNR=2.7, 10.15 293 Pn, Pn, 20 19 05.6 +2.5, SNOP Sniolovo, 10.58 39 ePn, Pn, 20 17 13.6 -0.8, MNR Muntele Rosu, 11.34 359 LR, LR, 20 22 45.5, KIV Kislovodsk, 16.09 48 ePn, P, 20 18 31.4 -1.2, KIV, comp=E,4.6nm,0.7s, 16.09 48 ePn, P, 20 18 33.1 +0.5, KBZ Khaba, 16.10 49 Pn, Pn, 20 18 35.4 -1.0, AK11 Malin Array Si, 16.67 7 ePn, Pn, 20 18 35.6 -1.1, KIEV Kiev, 16.69 7 ePn, Pn, 20 18 35.6 -1.1, AKASG Malin Array Be, 16.70 7 Pn, Pn, 20 18 36.4 -0.5, AKASG Malin Array Si, 16.70 7 ePn, Pn, 20 18 36.1 -0.8, FUORB Offense-Fuoro, 17.37 321 ePn, Pn, 20 18 44.1 -1.5, GEAO GERESE Array S, 17.39 331 ePn, Pn, 20 18 43.7 -2.0, GERESE GERESE Array B, 17.40 331 P, Pn, 20 18 46.6 -0.5, DAVOS Davos/Dischmat, 17.68 320 P, Pn, 20 18 49.4 0.0, DAVOS, comp=E,0.1nm,0.3s,baz=164,slow=16,SNR=1.4, 17.68 320 P, Pn, 20 19 02.9 -0.5, SENIN Lac Senin/Sane, 18.86 316 eP, Pn, 20 19 02.9 -0.5, GRA1 Grafenberg, 19.08 329 eP, P, 20 19 02.8 -2.8, GRA1, comp=E,344nm,2.0s, 19.08 329 eP, P, 20 19 03.2 -2.3, GRFO Grafenberg, 19.08 329 eP, P, 20 19 08.1 -1.9, BFO Black Forest, 19.48 322 eP, P, 20 19 32.3 +0.4, IDID Didziasalis, 21.18 11 eP, P, 20 19 32.3 +0.3, IIGN Ignalina, 21.21 360 eP, P, 20 19 32.8 +1.3, ISAL Salakas, 21.43 360 eP, P, 20 04 29.4 +0.6, ESCD Sonseca Array, 24.70 292 P, P, 20 04 29.4 +0.6, ESCD, comp=E,1.7nm,0.5s,baz=180,slow=9.3,SNR=6.6, 24.70 292 P, P, 20 17.6 +1.5, GEYT Alibeck, 26.00 72 P, Pn, 20 16.5 +0.4, GYA0B ALIBECK Array B, 26.00 72 P, Pn, 20 16.5 +0.4, GYA0B, comp=E,7.7nm,0.6s, 26.00 72 P, Pn, 20 26.1 -1.2, HFS Hagfors, 27.27 346 P, Pn, 20 26.1 -1.2, HFS, comp=E,0.7nm,0.5s,baz=140,slow=11,SNR=5.6, 27.27 346 P, Pn, 20 25.9 -1.8, FIAO FINESS Array B, 27.32 360 eP, P, 20 25.9 -1.8, FINES FINESS Array S, 27.32 360 P, P, 20 25.9 -1.8, FIA01 FINESS Array S, 27.32 360 eP, P, 20 26.0 -1.7, NC602 NORARS Array S, 28.26 345 eP, P, 20 26.0 -1.2, AKTO Aktyubinsk, 28.32 45 P, Pn, 20 20 35.6 -1.2, AKTO, comp=E,0.9nm,0.7s,baz=173,slow=17,SNR=2.6, 28.32 45 P, Pn, 20 36.1 -2.2, NAO01 NORARS Array S, 28.51 344 eP, P, 20 37.1 -1.9, PFV1 Vila Bispo, 28.55 286 eP, Pn, 20 37.8 -2.5, PFV1 NORARS Array S, 28.60 345 eP, Pn, 20 38.1 -1.9, NB02 NORARS Array S, 28.61 345 eP, P, 20 38.2 -1.1, NOA NORARS Array B, 28.61 345 P, P, 20 38.2 -1.1, EKA Eskdalemuir Arr, 29.38 325 P, Pn, 20 04 45.6 -0.5, EKA, comp=E,0.6nm,1.0s,baz=154,slow=10,SNR=2.5, 29.38 325 P, Pn, 20 04 45.6 -0.5, TOA1 Torodi Arr. Sit, 30.54 233 eP, P, 20 20 56.8 +0.1, TOROD Torodi Arr. Bea, 30.54 233 P, P, 20 20 56.8 0.0, TOROD, comp=E,0.9nm,1.5s,baz=43,slow=8,SNR=5.2, 30.54 233 P, P, 20 21 38.4 -0.8, ARAC ARCESS Array B, 35.45 360 eP, P, 20 21 38.4 -0.8, ARCES ARCESS Array B, 35.45 360 eP, P, 20 21 38.4 -0.8, BRVK Borovoye, 36.37 45 eP, Pn, 20 21 47.2 0.0, BRVK, comp=E,2.9nm,1.0s,baz=178,slow=9.0,SNR=3.0, 36.37 45 eP, Pn, 20 22 04.6 +0.4, AAK Ala-Archa, 38.33 63 P, Pn, 20 22 05.1 +0.9, AAK Ala-Archa, 38.33 63 eP, P, 20 22 08.6 +0.8, NIL Naryn, 38.77 77 eP, Pn, 20 22 15.8 +1.1, NRN Naryn, 39.55 64 eP, Pn, 20 22 23.3 +2.2, KDJ Kajisa, 40.36 63 eP, Pn, 20 22 28.1 +1.2, KURBB Kurchatov Arra, 41.09 50 P, Pn, 20 22 28.1 +1.2, KURK Kurchatov, 41.15 50 eP, P, 20 22 28.1 +0.8

Table with columns: MMA0B Mount Meron ar, 8.52 96 Pn, Pn, 20 06 12.7 +0.3, AMAZ Amatzia, 8.56 107 Pn, Pn, 20 06 14.5 +1.7, AMAZ, comp=Z,58nm,0.1s, 8.56 107 Pn, Pn, 20 06 14.5 +1.7, KSDI Kefar Szold, 8.70 95 Pn, Pn, 20 07 42.7 -5.8, NATI New Ativ, 8.75 94 Pn, Pn, 20 07 15.3 +0.6, YTR Ytrah, 8.79 107 Pn, Pn, 20 06 16.8 +1.4, HMDT Nahal Hemdat, 8.81 101 Pn, Pn, 20 06 15.6 -0.4, HMDT, comp=Z,58nm,0.1s, 8.81 101 Pn, Pn, 20 06 15.6 -0.4, DSI Dead Sea, 8.92 106 Pn, Pn, 20 07 49.6 -5.1, DSI, comp=Z,58nm,0.1s, 8.92 106 Pn, Pn, 20 07 49.6 -5.1, PRNI Paran, 9.14 114 Pn, Pn, 20 06 18.9 -0.9, ZFRI Zifri, 9.17 112 Pn, Pn, 20 06 21.1 -0.1, HRFI Mount Harif, 9.31 115 Pn, Pn, 20 06 22.3 -0.9, HRFI, comp=Z,58nm,0.1s, 9.31 115 Pn, Pn, 20 06 22.3 -0.9, EIL Elat, 9.44 117 Pn, Pn, 20 08 00.2 -6.8, EIL, comp=Z,58nm,0.1s, 9.44 117 Pn, Pn, 20 08 00.2 -6.8

ISCJB 05 20:06:54.9,0.5,49.37S:0.07:125.2E:0.2,h10km, mb4.5/12,MS3.6/2, Error ellipse: s-maj=15.4km s-min=10.1km az=169.6 IDC 05 20:06:55.7,0.9,49.37S:125.06E,h0km,mb4.2/5, mb1 4.3/6,mb1mx4.0/3,mbtmp4.2/6,ML2.2.1,MS3.7/2, Ms1 3.7/2,ms1mx3.1/17, Error ellipse: s-maj=52.3km s-min=18.5km az=88.0 NEIC 05 20:06:58.1,2.0,49.37S:125.09E,h17km,2km,mb4.7/11, Error ellipse: s-maj=21.5km s-min=17.3km az=87.0 ISC 05 20:06:56.9,0.6,49.37S:125.0E:0.1,h10km,n28, comp=Z,0.3s,baz=170,slow=1.5,SNR=6.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, H01W1 Cape Leeuwin H, 16.54 327 T, T, 20 27 46.8, H01W2 Cape Leeuwin H, 16.54 327 T, T, 20 27 42.3, H01W3 Cape Leeuwin H, 16.55 327 T, T, 20 27 42.0, NWA0 Narrogin (SRO), 17.43 338 P, Pn, 20 11 00.8 -0.5, NWA0, comp=Z,0.3s,baz=170,slow=1.5,SNR=6.5, 17.43 338 P, Pn, 20 11 00.8 -0.5, NWA0 Narrogin (SRO), 17.43 338 ePn, Pn, 20 11 01.5 +1.5, BBOO Buckleboon, 18.47 31 eP, Pn, 20 11 12.9 +0.1, MORW Morawa, 21.41 338 eP, Pn, 20 11 44.0 -0.7, STKA Stephens Creek, 21.44 42 LR, LR, 20 18 21.9, ASAR Asar Springs, 26.59 18 P, Pn, 20 12 33.9 -1.2, ASAR, comp=Z,0.3s,baz=185,slow=8.3,SNR=6.9, 26.59 18 P, Pn, 20 12 33.9 -1.2, VNDA Vanda, 31.52 166 P, Pn, 20 13 19.1 +0.6, VNDA, comp=Z,0.3s,baz=328,slow=3.5,SNR=14, 31.52 166 P, Pn, 20 13 19.1 +0.6, RPZ Rata Peaks, 31.75 98 eP, Pn, 20 13 19.6 -1.3, SBA Scott Base, 32.55 165 eP, Pn, 20 13 27.0 -0.5, THZ Tophouse, 33.87 96 eP, Pn, 20 13 42.0 +2.5, URZ Urewera, 38.46 93 eP, Pn, 20 14 17.1 -1.7, QSPA South Pole Qui, 40.76 180 P, Pn, 20 14 37.5 -0.2, QSPA, comp=Z,0.3s,baz=337,slow=7.2,SNR=3.3, 40.76 180 eP, Pn, 20 14 37.5 -0.2, QSPA South Pole Qui, 40.76 180 eP, Pn, 20 14 37.5 -0.2, PMG Port Moresby, 43.91 32 LR, LR, 20 16 18.8 -0.1, SNA0 Sanae, 53.78 198 P, Pn, 20 16 19.4 +0.4, SNA0, comp=Z,1.1nm,1.2s, 53.78 198 P, Pn, 20 16 19.4 +0.4, CM01 Chiang Mai Arr, 71.35 334 eP, Pn, 20 18 17.1 +0.4, CM11 Chiang Mai Arr, 71.39 334 eP, Pn, 20 18 17.4 +0.4, CMAR Chiang Mai Arr, 71.39 334 P, Pn, 20 18 17.8 +0.8, LBTB Lubise, 77.24 247 P, Pn, 20 18 51.0 -0.4, NAI Nairobi, 87.89 271 eP, Pn, 20 19 46.1 -0.9, YKA Yellowknife Arr, 145.44 5 PKPbc PKPbc, 20 26 35.1 +1.1, YKA, comp=E,0.5s,baz=270,slow=3.4,SNR=2.6, 145.44 5 PKPbc PKPbc, 20 26 35.1 +1.1, YKA Yellowknife Arr, 145.44 5 ePKPbc PKPbc, 20 26 34.4 +0.1, EKA Eskdalemuir Arr, 148.43 301 PKPbc PKPbc, 20 26 42.6 +0.1, EKA, comp=Z,0.4nm,0.5s,baz=99,slow=2.2,SNR=4.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, PRU 05 20:10:50.3,0.0,50.25N:18.97E,h0km,Poland, CHZP Chorzow, 0.04 19 eP, Pn, 20 10 52.7 +1.5, CHZP, comp=Z,0.3s,baz=185,slow=8.3,SNR=6.9, 0.04 19 eP, Pn, 20 10 52.7 +1.5, OJC Ojcow, 0.53 93 eP, Pn, 20 10 59.7 -0.8, OJC, comp=Z,0.3s,baz=185,slow=8.3,SNR=6.9, 0.53 93 eP, Pn, 20 10 59.7 -0.8, OKC Ostava-Krasne, 0.67 232 eSg, Sg, 20 11 12.9 +1.0, MORC Moravsky Berou, 1.04 243 eP, Pn, 20 11 10.2 +0.1, MORC, comp=Z,0.3s,baz=185,slow=8.3,SNR=6.9, 1.04 243 eP, Pn, 20 11 10.2 +0.1, LANS Liptovska Anna, 1.15 163 eP, Pn, 20 11 11.8 -0.5, LANS, comp=Z,0.3s,baz=185,slow=8.3,SNR=6.9, 1.15 163 eP, Pn, 20 11 11.8 -0.5, NIE Niedzica, 1.20 134

5d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and ISC. Includes stations like MAKZ Makanchi, ROSA Rosais, MK31 Makanchi Array, etc.

ISC 05 20:14:57.3,0.8,34.27N,26.15E, h0km, mb4.3/19, mb1.4, 3/29, mb1mx4.1/52, mbmtmp4.2/29, ML3.6/9, Error ellipse: s-maj=18.5km s-min=1.1km az=5.0

NEIC 05 20:15:00.3,2.8,34.27N,26.23E, h17km, mb4.3/46, Error ellipse: s-maj=15.9km s-min=1.0km az=189.0

ISC 05 20:15:00.6,0.5,34.17N,0.07,26.25E,0.05, h26km, n106, c156/111, mb4.5/50, Crete

Main table of station data for the 5d 20h period, listing station codes, names, coordinates, and other parameters.

25 APR

Table of station data for 25 APR, including stations like NC204 NORSAR Array S, ABKAR Akbulak array, EKA Eskdalemuir, etc.

ISC 05 20:22:06.6,0.3,43.18N,0.01,18.72E,0.03, h10km, Error ellipse: s-maj=2.8km s-min=2.1km az=9.6

SAR 05 20:22:07.1,0.3,43.20N,18.70E, h4km, 36M, 2/6, PDG 05 20:22:07.2,0.2,43.13N,18.69E, h13km, 36M, MD2.5/2, ML2.4/9, Error ellipse: s-maj=0.6km s-min=0.8km az=0.0

BE0 05 20:22:07.7,0.3,43.14N,18.75E, h6km, 4km, ML2.0/8

ISC 05 20:22:05.6,1.1,43.16N,0.02,18.65E,0.02, h10km, n106, n34, c0570/64, 10C-SD, Northwestern Balkan Peninsula

Main table of station data for 25 APR, listing station codes, names, coordinates, and other parameters.

292 az=242.0, Northern Italy

Table of station data for Northern Italy, including stations like PESA Pesaro, PESA Pesaro, PESA Pesaro, etc.

ISC 05 20:22:37.0,9.2,20.31S,175.75W, h0km, mb3.4/3, mb1.3/7.3, mb1mx3.5/25, mbmtmp3.4/3, Error ellipse: s-maj=403.6km s-min=37.9km az=144.0, Tonga Islands

ASAR Alice Springs 46.61 256 P 0.3m, 0.5s, baz=90, slow=8.2, SNR=8.5

WRA Warramunga Arr 46.71 261 P 0.3m, 0.6s, baz=101, slow=8.4, SNR=2.7

ILAR Eielson Array 87.67 12 P 0.2m, 0.6s, baz=212, slow=4.9, SNR=2.8

ISCJB 05 20:27:14.9,0.7,30.21S,0.06,179.5W,0.2, h350km, mb2.9/2, Error ellipse: s-maj=21.0km s-min=6.0km az=14.1

ISC 05 20:27:23.0,0.8,30.80S,179.68W, h422km, 90km, mb2.8/2, mb1.3/1.3, mb1mx2.9/26, mbmtmp3.8/3, Error ellipse: s-maj=86.9km s-min=32.2km az=12.0

ISC 05 20:27:13.5,0.8,30.28S,0.09,179.1W,0.2, h350km, n36, c1750/53, Kermadec Islands region

Main table of station data for the 292 period, listing station codes, names, coordinates, and other parameters.





Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Date, Time, and other details. Includes stations like MLY, TRF, MAKZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Date, Time, and other details. Includes stations like KSH, INK, EKS2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Date, Time, and other details. Includes stations like L04D, PINE, M02C, etc.



5d 21h

Table with columns: MLAC, Name, Time, Date, Status, etc. Includes entries like Mammoth, Antelope Grade, Neyrino, Earthquake Lak, etc.

2013 APR

Table with columns: KIEV, Name, Time, Date, Status, etc. Includes entries like Kieff, Kieff, Kieff, Malin Array Si, etc.

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Table with columns: W18A, Name, Time, Date, Status, etc. Includes entries like Petrified Fore, UZH, UZH, 4UR Ranch, etc.

Table with columns: MODS, Name, Time, Az, El, P, Az, El, P, Az, El, P. Includes stations like Modra-Piesok, Trest, Pinarhisar, etc.

Table with columns: E47A, Name, Time, Az, El, P, Az, El, P, Az, El, P. Includes stations like Iron Bridge, Black Forest, BFO, etc.

Table with columns: S49A, Name, Time, Az, El, P, Az, El, P, Az, El, P. Includes stations like Springfield, WVT, V46A, etc.

TRN 05 21:54:15.6, 15.92N; 60.67W, h25km, MD3.5, Leeward

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like MAGL, DWS, MDPV, etc.

IDC 05 21:57:58.8; 1.9, 0.03N; 123.91E, h0km, mb4.1/6, mb1.4/1.7, mb1mx3.8/4.1, mbtmp4.1/7, ML4.1/1, MS3.1/1, Ms1.3/1.1, ms1mx2.5/3.4, Error ellipse: s-maj=43.1km s-min=32.8km az=8.0

ISCBJ 05 21:58:00.0; 0.4, 0.15S; 0.05E; 124.14E; 0.05, h35km, mb4.5/1.1, Error ellipse: s-maj=7.6km s-min=6.3km az=155.2

DJA 05 21:58:01.7; 1.0, 0.3S; 12.4E; h11km; 10km, M4.5/13, mb4.7/3, mb4.9/3, MLV4.4/13, Mw(mB)4.2/3

NEIC 05 21:58:03.0; 0.5, 0.07S; 124.06E, h35km, mb4.6/2, Error ellipse: s-maj=12.2km s-min=10.1km az=132.0

ISC 05 21:58:02.9; 0.6, 0.29S; 0.06E; 124.16E; 0.06, h35km, n36, s-185S/9, mb4.3/1.1, Southern Molucca Sea

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like PSA00 Pihlaba Seismi, MANU Manus Island, MAJO Matsushiro, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like LANS Liptovska Anna, DRUM Mains of Drum, OKC Ostrava-Verstne, etc.

ISC 0522:10:38.9, 0.2, 22:39S; 170.84E, h0km, mb4.5/15, m51 4.6/17, mb1mx4.5/27, mbmp4.5/17, ML4.2/1, MS4.2/10, Ms1.4/2.10, ms1mx3.9/29, Error ellipse: s-maj=18.2km s-min=17.2km az=94.0

CM01 Chiang Mai Arr 81.12 294 eP P 22 25 59.0 +2.1
CMAR Chiang Mai Arr 81.16 294 eP P 22 25 59.0 -0.8

CLL Collin 146.37 335 ePKP P 22 20 22.0 -0.1
CLL Collin 146.37 335 ePKP P 22 20 22.0 -0.1

ISC 0522:10:45.0, 0.2, 22:40S; 0.05:170.75E:0.04, h42km, mb4.8/57, MS4.2/9, Error ellipse: s-maj=6.7km s-min=5.5km az=13.0

ISC 0522:10:45.0, 0.2, 22:27S; 170.81E, h35km, mb4.9/42, Error ellipse: s-maj=6.6km s-min=6.0km az=162.0

ISC 0522:10:45.0, 0.2, 22:35S; 0.07:170.86E:0.06, h42km, n229, s1516/226, mb4.9/57, MS4.1/9, 21C-16D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like MARNC Mare, Loyalty, PINNC Pines Island, OUCNC Owen N, DZM Mont Dzumac, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like LANS Liptovska Anna, DRUM Mains of Drum, OKC Ostrava-Verstne, etc.

HLW 0522:24:12.6, 34:87N-23:95E, h33km, 25km, M13.4
ISCJB 0522:14:13.5, 1.0, 34:50N:0.05:23:82E:0.08, h25km, 12km, Error ellipse: s-maj=1.1km s-min=8.2km az=168.7

ISC 0522:14:13.5, 1.0, 34:57N:0.04:23:89E:0.07, h9km, 14km, Error ellipse: s-maj=1.5km s-min=1.1km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like GVD Gavdhos, GVD Gavdhos, GVD Gavdhos, etc.

Table with columns: VAM, S, Sb, 22 24 41.9, -0.4, 22 24 49.4, 22 24 52.9, 0.88 59 P, 22 24 31.3 -0.4, 22 24 44.9 +0.2, 22 24 31.6 -0.1, 22 24 48.7, 22 24 48.9, 0.89 5 P, 22 24 31.4 -0.5, 22 24 44.8 -0.1, 22 24 31.0 +0.1, 22 24 49.0, 22 24 50.1, 0.94 32 P, 22 24 31.7 0.0, 0.96 8 P, 22 24 32.9 +0.1, 22 24 46.3 -0.2, 22 24 34.1 -0.2, 22 24 40.5 -0.2, 22 24 42.9 -0.5, 22 24 41.7 +0.4, 22 24 52.7 +0.7, 22 25 05.5 +1.0, 22 25 43.4 0.0, 22 25 35.6 +0.7, 22 26 36.8 -1.1, 8.29 125 P, 22 26 13.3 -0.4, 8.66 131 P, 22 26 18.6 -0.1, 8.93 119 P, 22 26 22.2 -0.1

ISCJB 05 22:25:34.5 1.8, 29.16S; 0:05:71.5W; 0.1, h28km, 11km, Error ellipse: s-maj=17.1km s-min=6.8km az=17.9 GUC 05 22:25:35.8 0.7, 29.27S; 70.90W, h66km, 5km, ML3.3 SJA 05 22:25:35.5 1.1, 29.26S; 71.32W, h24km, 6km, ML3.1, MW3

ISC 05 22:25:29.8 2.1, 29.03S; 0:07:71.66W; 0.09, h14km, 15km, n28, e248/34, 1C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, LCO Las Campanas, LCO Las Campanas, G004 Tololo Observa, G004 Tololo Observa, G003 Copiap, G003 Copiap, G003 Copiap, CMCH Combarbala, AROD Rodeo, ACV Cuesta del Vie, ACCO Cerro Coronel, AGUA GUANDACOL, AMOG MIOGNA, RTLS Leoncito, RTLL Cerro Villicun, RTLL Cerro Villicun, AUSP Uspallata, RTCV Cerro Valdivia, CFA Coronel Fontan, ROCH El Roble, ROCI El Roble, ACLL CERRO LA CRUZ, PEL Peldelhue, ASH Salagasta, FAL Farellones, APLL PUNTA DE LOS L, AAGR Agrelo, ACAN Cantantial, CYA Choya

IDC 05 22:31:21.7 2.6, 17.36N; 81.19W, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.4/29, mbtmp3.9/8, MS4.1/1, Ms1 4.2/1, ms1mx2.8/30, Error ellipse: s-maj=85.1km s-min=43.2km az=75.0, North of Honduras

Table with columns: Code, Station Name, Az, Phase ID, Time Res, SJJ San Juan, TXAR Lajitas Array, ULM Lac du Bonnet, PDAR Pinedale Array, NVAR Mina Array Bea, WRA Warrungama Arr, ASAR Alice Springs

IDC 05 22:31:40.8 0.7, 55.40S; 125.48W, h0km, mb3.9/8, mb1 4.1/8, mb1mx4.0/29, mbtmp3.9/8, MS4.5/21, Ms1 4.5/21, ms1mx4.5/24, Error ellipse: s-maj=32.0km s-min=21.6km az=137.0

ISCJB 05 22:31:44.3 0.4, 55.98S; 0:07:124.7W; 0.1, h10km, mb4.8/24, MS4.9/97, Error ellipse: s-maj=11.6km s-min=10.0km az=178.3

GCMT 05 22:31:44.3 0.1, 55.76S; 0:01:124.25W; 0.01, h26km, MW5.5/124, Moment Tensor Solution. s95, c163, s124, c223; Duration: 1s4 Moment tensor: Scale 1017 Nm; M1=0.02; 0.4; M2=1.43; 0.5; M3=1.41; 0.4; M4=0.17; 1.0; M5=2.08; 0.3; M6=0.00; 0.8; Best double couple: M1=2.524000; 1.017; M2=2.87; 0.0000; 0.89; 0.0000; 1.4; 0.0000; M3=1.97; 0.0000; 0.86; 0.0000; 1.7; 0.0000; Principal axes: T 2.5370, Plg3.0000; Azm152.0000; N -0.0260, Plg86.0000; Azm304.0000; P -2.5110, Plg2.0000; Azm62.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 05 22:31:45.3 0.0, 55.80S; 124.27W, h24km, mb5.0/18, MS5.0/68, After GCMT.

ISC 05 22:31:44.8 0.5, 55.93S; 0:09:124.76W; 0.10, h10km, n152, e231/46, mb4.9/24, MS4.9/97, 1C, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Time Res, G009 Cerro Castillo, SBA Scott Base, VVDA Vanda, VVDA Vanda

Table with columns: VVDA Vanda, RKT Rikitea, RKT Rikitea, GQSA South Pole Qui, TBI Tubuai, TBI Tubuai, TBI Tubuai, TBI Tubuai, PLCA Paso Flores, EFI East Falkland, EFI East Falkland, ODZ Otahua Downs, BKZ Black Stump Fm, PPT2 Papeete, PPT2 Papeete, PPT Papeete, HIZ Hauri, HIZ Hauri, VAH Vaihoo, VNA3 Neumayer Olym, CFA Coronel Fontan, VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, SNA3 Sanae, G003 Copiap, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, CASY Casey, LVC Limon Verde, LVC Limon Verde, TAU Tasmania Unive, TAU Tasmania Unive, SYMO Sylvania, SYMO Sylvania, MAW Mawson, NNA Nana, LPAZ La Paz, LPAZ La Paz, CAN Canberra, CAN Canberra, TOO Toolangi, TOO Toolangi, DZM Stephens Creek, ARMA Armadale, ARMA Armadale, XMAS Kiritimati, XMAS Kiritimati, EIDS Eidsvold, EIDS Eidsvold, STKA Stephens Creek, STKA Stephens Creek, ROSC El Rosal, ROSC El Rosal, HNR Honiara, HNR Honiara, PTGA Pitinga, PTGA Pitinga, ESPN Las Esperanzas, ESPN Las Esperanzas, H01W Cape Leeuwin H, H01W Cape Leeuwin H, H01W Cape Leeuwin H, H01W Cape Leeuwin H, AS01 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, CMIG Matias Romero, NPOC North of Pu'u, NPOC North of Pu'u, HATHI Halema'uma'u, HATHI Halema'uma'u, WR6 Warrungama Arr, WR6 Warrungama Arr, WR5 Warrungama Arr, WR5 Warrungama Arr, WR4 Warrungama Arr, WR4 Warrungama Arr, WR2 Warrungama Arr, WR2 Warrungama Arr, WR2 Warrungama Arr, WR2 Warrungama Arr, WRA Warrungama Arr, WRA Warrungama Arr, WRAB Tennant Creek, WRAB Tennant Creek, WC1 Warrungama Arr, WC1 Warrungama Arr, WB4 Warrungama Arr, WB4 Warrungama Arr, KHLU Kahalu'u, KHLU Kahalu'u, TEIG Tepich

Table with columns: TEIG, MDP Montagnes des, FITZ Fitzroy Crossi, GTBY Guantanamo Bay, TX31 Lajitas Array, TXAR Lajitas Array, MTN Sutherland, SUR Sutherland, ICMP Isla Caja de M, AGP Aguaidilla, BAR Barrett, SJG San Juan, JCT Junction City, TUC Tucson, EPT El Paso, EPT El Paso, CBYP Canovanas, SEUS St. Eustatius, ANWB Willy Bob, LENM Lemitar, LAZ Lador, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, BOA Boshof, U15A North Rim, SOEI Soe, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, NVAR Mina Array Bea, ASCN Ascension, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, MMRI Maumere, LBTB Lobatse, CBKS Cedar Bluff, SIUC Southern Illin, TSUM Tsumeb, AHID Auburn Hatcher, BW06 Boulder Array, PDAR Pinedale Array, CNNC Cliffs of the, BMO Blue Mountains, BOZ Bozeman, CBN Corbin Frederi, ECSD CEROS Data Cent, SARN Sarigan, MVL Millersville, MRV Mauritius Mete, ABPO Ambohimpanom, LSZ Lusaka, CPNY Central Park, GLMI Grayling, BINY Binghamton, YLE Yale, DAV Davao City, KSM Kuching, FFC Flin Flon, GBN Guysborough, NIKH Nikolski High, BMRM Bremner River, KULM Kulim, YK33 Yellowknife, YK33 Yellowknife, KNK Knik Glacier, PAX Paxson



OTUK	Ortayu	11.83	3	↑P	Pn	22 57 43.3	-2.8
OTUK	comp-Z,416nm,1.4s			↓S	Sn	22 59 50.5	-5.5
PYUN	comp-Z,542nm,0.9s	12.85	127	eP	Pn	22 57 55.2	-4.7
MAKZ	Makanchi	13.04	34	ePn	Pn	22 58 00.4	-1.6
MAKZ	Makanchi	13.04	34	↑P	Pn	22 57 60.0	-2.0
MAKZ	Makanchi	13.04	34	eP	Pn	22 58 00.4	-1.6
MK31	Makanchi Array	13.17	35	↑P	Pn	22 58 02.2	-1.5
MK32	Makanchi Array	13.17	35	ePn	Pn	22 58 03.1	-0.6
MKAR	Makanchi Array	13.17	35	eP	Pn	22 58 03.1	-0.6
DANN	Dangsing	13.19	124	eP	Pn	22 58 00.2	-0.4
KOLN	Koldanda	13.47	126	eP	Pn	22 58 03.5	-4.5
BRZS	Berezniiki	13.58	4	d P	Sn	22 58 06.1	-2.9
BRZS	comp-Z,351nm,0.5s			iS	Sn	23 00 29.7	-8.7
BRZS	comp-Z,76nm,0.9s			iS	Sn		
BRZS	comp-Z,396nm,10.0s			MLR	MLR		
BRZS	Berezniiki	13.58	4	↑ P	Pn	22 58 06.2	-2.9
BRZS	comp-Z,76nm,0.9s			iS	Sn	23 00 29.7	-8.7
BRZS	comp-Z,272nm,2.8s			eLR	LR	23 03 00.5	
BRZS	comp-Z,396nm,9.6s			eLR	LR	23 03 00.5	
WMQ	Urumqi	14.49	54	P	Sn	22 58 19.0	-1.8
WMQ	comp-Z,610nm,3.8s			pmax	pmax	22 58 51.5	-2.7
WMQ	comp-Z,2μm,22.5s			LR	LR	23 00 53.4	-7.1
WMQ	comp-Z,2μm,22.5s			LR	LR	23 01 14.8	+1.6
WMQ	comp-Z,1μm,28.1s			LR	LR		
WMQ	Urumqi	14.49	54	ePn	Pn	22 58 19.4	-1.4
WMQ	Urumqi	14.49	54	eP	Pn	22 58 19.5	-1.4
WMQ	Daman	14.58	123	eP	Pn	22 58 17.4	-4.9
KKN	Kakani	14.58	122	eP	Pn	22 58 17.4	-4.8
PKIN	Phulchoi	14.79	123	eP	Pn	22 58 20.0	-5.0
PKI	Pulchoi	14.79	123	eP	Pn	22 58 20.4	-4.9
ZSN	Zaisan	14.88	38	eP	Pn	22 58 24.6	-1.1
ZSN	comp-Z,3.0nm,0.8s			iS	Sn	23 01 05.1	-4.6
ZSN	comp-Z,2.7nm,0.8s			iS	Sn	23 01 05.1	-4.6
GUN	Gumba	14.91	121	eP	Pn	22 58 21.7	-5.0
KURBB	Kurchatov Arra	15.10	18	↑P	Pn	22 58 24.4	-4.0
KURBB	comp-Z,0.4nm,0.3s,baz=209,slow=12,SNR=69			S	S	23 01 23.5	-1.8
KURBB	Kurchatov Arra	15.10	18	↑P	Pn	22 58 27.6	-0.8
KURBB	comp-Z,3.93nm,0.8s			↓S	Sn	23 01 17.6	+2.7
JBP	Jabalpur	15.17	148	eP	Pn	22 58 29.1	-0.4
JBP	comp-Z,137nm,1.3s			ex	x	23 00 58.7	
JBP	Kurchatov	15.20	18	ePn	Pn	22 58 26.1	-3.6
KURK	Kurchatov	15.20	18	↑P	Pn	22 58 27.6	-2.2
KURK	comp-Z,2.95nm,0.8s			↑S	Sn	23 01 18.7	+1.2
KURK	Kurchatov	15.20	18	deP	P	22 58 31.4	-1.0
KURK	comp-Z,281nm,0.8s			↑S	Sn	22 58 32.3	-0.2
JIRN	Jiri	15.29	121	eP	Pn	22 58 26.7	-4.7
AB31	Akbulak array	15.30	330	↑P	Pn	22 58 27.6	-3.4
AB31	comp-Z,590nm,0.3s,baz=140,slow=11,SNR=3136			↑S	Sn	23 01 10.6	-9.2
AB31	Akbulak array	15.30	330	ePn	Pn	22 58 28.4	-2.6
SEM	Semipalatinsk	15.37	22	eP	MLR	22 58 33.7	-0.8
SEM	comp-Z,284nm,7.0s			eS	S	22 58 33.8	-0.8
SEM	Semipalatinsk	15.37	22	eP	MLR	23 01 30.6	-0.8
SEM	comp-Z,284nm,7.4s			eLR	LR	23 03 50.3	
RAMN	Ramite	16.02	122	eP	Pn	22 58 35.2	-5.2
BVA0	Borovyoye Array	16.61	358	P	Pn	22 58 44.6	-2.7
BVA0	comp-Z,234nm,0.8s,baz=164,slow=10.0,SNR=804			↓S	Sn	23 01 48.4	-3.1
BVA0	Borovyoye Array	16.61	358	P	Pn	22 58 44.8	-2.4
BVA0	comp-Z,413nm,1.5s,baz=167,slow=21,SNR=12			↓S	Sn	22 58 44.8	-2.4
BVAR	Borovyoye Array	16.61	358	P	Pn	23 01 51.8	+0.3
BVAR	comp-Z,3.0nm,0.3s,baz=172,slow=12,SNR=88			↓S	Sn	23 01 51.8	+0.3
BVAR	Borovyoye Array	16.61	358	P	Pn	23 05 39.1	
BVAR	comp-Z,2.2nm,0.3s,baz=177,slow=27,SNR=4.8			LR	LR	23 05 39.1	
SHME	Shamm	16.62	236	iP	P	22 58 48.2	-0.1
SHME	comp-Z,1μm,21.4s,baz=184,slow=38			SNR=42			
BRVK	Borovyoye	16.65	358	ePn	Pn	22 58 45.6	-2.1
BRVK	comp-Z,341nm,0.9s			↓P	Pn	22 58 45.0	-2.8
BRVK	Borovyoye	16.65	358	↑P	Pn	23 01 48.6	-3.7
BRVK	comp-Z,340nm,0.9s			↓S	Sn	22 58 45.6	-2.1
BRVK	Borovyoye	16.65	358	eP	Pn	22 58 45.6	-2.1
BRVK	comp-Z,1.15nm,1.1s			pmax	pmax		
AKTO	Aktyubinsk	17.00	330	P	Pn	22 58 51.2	-0.8
AKTO	comp-Z,13nm,0.3s,baz=143,slow=12,SNR=183			↓S	Sn	23 01 47.9	-1.3
AKTO	Aktyubinsk	17.00	330	↑P	Pn	22 58 50.8	-1.3
AKTO	comp-Z,7.75nm,0.8s			↓S	Sn	23 01 52.7	-8.1
MDH	Madha	17.03	234	P	Pn	22 58 51.7	-0.9
MSFE	Esma-Masafi	17.08	234	iP	Pn	22 58 53.3	+0.1
MSFE	SNR=46						
WSAR	Wadi Sarin	17.16	223	P	Pn	22 58 53.5	-0.7
WSAR	comp-Z,2.0nm,0.3s,baz=51,slow=7.0,SNR=29			S	Sn	22 58 06.1	+1.1
WSAR	Wadi Sarin	17.16	223	P	Pn	22 58 53.7	-0.5
WSAR	comp-Z,1.0nm,0.3s,baz=72,slow=20,SNR=2.6			SNR=16			
GTK	Tadong	17.20	117	ex	IAMB	22 58 51.4	-3.4
GTK	comp-Z,91nm,0.8s			IAMB	IAMB	22 58 57.5	
BIDO	Bidbia	17.22	225	P	Pn	22 58 54.3	-0.6
BIDO	SNR=12						
UMQ	Umm Al-Quwin	17.29	235	iP	Pn	22 58 57.1	+1.4
UMQ	SNR=6.9						
UMQ	Umm Al-Quwin	17.29	235	P	Pn	22 58 56.9	+1.2
UMQ	SNR=8						
HATD	Hatta, Dubai	17.47	233	iP	Pn	22 58 57.9	0.0
HATD	SNR=35						
WBK	Wadi Bani Khal	17.48	221	P	Pn	22 58 59.2	+1.1
WBK	SNR=14						
ASHO	Ashiyah	17.61	233	iP	Pn	22 59 00.7	+1.0
ASHO	SNR=136						
ASHO	Ashiyah	17.61	233	P	Pn	22 59 00.8	+1.0
JLN	Jalan Bani Buh	17.62	219	P	Pn	22 59 00.8	+0.9
JLN	SNR=19						
SMDO	Samad	17.62	225	P	Pn	22 59 00.8	+0.8
SMDO	SNR=29						
HOQ	Hogain	17.65	227	P	P	22 58 59.3	-0.3
HOQ	SNR=19						

DGZ	Jazzator, Alita	17.66	36	eP	P	22 58 58.9	-0.8
NAZ	Nazwa, Dubai	17.66	234	iP	Pn	22 59 01.0	+0.8
SOHO	SOHO	17.71	230	P	P	22 58 58.8	-1.5
Pluithan	LSA	17.86	106	eP	P	22 59 02.0	-0.4
LSA	Lhasa	17.86	106	eP	P	22 59 02.0	-0.4
LSA	Lhasa	17.86	106	eP	P	22 59 02.0	-0.4
LSA	Lhasa	17.86	106	eP	P	22 59 02.1	-0.4
FAQ	Al Faqa, Dubai	17.87	234	iP	Pn	22 59 02.9	+0.1
LRN	Lengkeran, Azer	18.06	284	P	Pn	22 59 05.7	+0.8
ASUD	Al Ashtub, Dub	18.12	234	iP	P	22 59 06.4	+0.5
JMDO	Jabal Madar	18.14	223	P	Pn	22 59 08.1	+2.0
ALNE	Al Ain	18.26	232	iP	Pn	22 59 07.8	+0.4
ARQ	Araqi	18.30	229	P	Pn	22 59 10.3	+2.2
AJN	Ajban	18.39	235	iP	Pn	22 59 09.2	+0.1
AJN	Ajban	18.39	235	P	Pn	22 59 08.9	-0.1
MHTO	MHTO	19.33	221	P	Pn	22 59 20.1	-0.1
MHTO	SNR=75						
SEKA	Sheki	19.42	292	P	P	22 59 20.0	+1.0
TAWA	Tawang	19.45	111	eP	P	22 59 18.9	-0.9
MNGR	Mingechevir, A	19.46	297	iP	Pn	22 59 21.3	-0.2
MAK	Makhachkala	19.46	297	iP	Pn	22 59 21.5	0.0
MAK	comp-Z,497nm,1.3s			pmax	pmax	23 02 57.9	-2.2
MAK	comp-Z,431nm,13.0s			MLR	MLR		
TURI	Tura	19.50	118	eP	P	22 59 18.8	-1.1
ZALV	Zalesovo Beam	19.86	24	P	P	22 59 23.5	0.0
ZALV	comp-Z,74nm,0.3s,baz=222,slow=10,SNR=1631			S	S	23 02 57.2	-4.2
ZAA1	Zalesovo array	19.86	24	eP	P	22 59 23.5	0.0
ZAA1	SNR=232,slow=16,SNR=1.7			eS	S	23 02 57.2	-4.2
ZKTA	Zakatala	19.90	293	P	Pn	22 59 26.1	-0.6
ZHTA	Zhetysay	19.97	160	iP	P	22 59 25.0	-0.1
HYB	Hyderabad	20.03	290	eS	S	23 03 02.0	-2.3
GANJ	Ganja	20.03	290	P	Pn	22 59 27.4	+0.8
DOM	Dom	20.43	220	P	P	22 59 31.3	+1.3
SHL	Shillong	20.60	116	eP	P	22 59 31.9	-0.1
SHL	comp-Z,424nm,1.6s			IAMB	IAMB	22 59 32.8	
NAX	Nakhchivan	20.62	285	P	P	22 59 33.5	+1.5
TEZP	TEZPUR	20.67	112	eP	P	22 59 32.9	+0.4
TEZP	comp-Z,132nm,0.7s			IAMB	IAMB	22 59 34.1	
GROC	Groznyy	20.74	297	eP	Pn	22 59 35.0	-1.4
GROC	e'SP			sP	S	23 00 06.3	+0.5
GROC	e'SS			sS	S	23 03 22.1	+3.1
GROC	e'SS			sS	S	23 03 54.1	+1.5
ZIRO	ZIRO	20.99	109	eP	P	22 59 36.7	+0.6
GNI	Garni	21.21	288	eP	P	22 59 41.4	+3.0
GNI	Garni	21.21	288	P	P	22 59 41.5	+3.0
GNI	comp-Z,728nm,0.9s,baz=136,slow=2.0,SNR=287						
GNI	Garni	21.21	288	eP	P	22 59 41.7	+3.3
GNI	Garni	21.21	288	iP	P	22 59 41.7	+3.3
GNI	Garni	21.21	288	eP	P	22 59 42.0	+3.6
GNI	Garni	21.21	288	P	P	22 59 41.7	+3.3
TBLG	Delisi	21.31	293	eP	P	22 59 41.6	+2.3
TASB	TASBURUN-IGDIRI	21.59	288	eP	P	22 59 45.2	+2.8
JORH	JORHAT	21.70	110	eP	P	22 59 43.9	+0.4
SILR	SILCHAR	21.73	116	eP	P	22 59 44.5	+0.6
SILR	comp-Z,174nm,0.4s			IAMB	IAMB	22 59 46.3	
BELO	BELOLIA	21.75	122	eP	P	22 59 44.8	+0.8
ARTI	Arti	21.80	341	eP	P	22 59 44.9	+0.6
ARTI	comp-Z,1μm,1.4s						
ARU	Arti	21.80	341	d P	P	22 59 44.2	-0.1
ARU	Arti	21.80	341	eP	P	23 00 14.0	
ARU	Arti	21.80	341	eS	S	23 03 41.3	+2.1
ARU	Arti	21.80	341	eS	S	23 04 19.3	+5.7
CLDR	Caldran	21.84	285	eP	P	22 59 48.6	+3.4
ZEI	Tsey	22.05	295	eP	P	22 59 47.9	+0.6
ZEI	comp-Z,320nm,0.8s			pmax	pmax		
MOKO	MOKOCHONG	22.12	111	eP	P	22 59 48.6	+0.4
BOD	Bodovovka	22.13	291	eP	P	22 59 51.6	+3.4
KOHI	KOHIMA	22.15	112	eP	P	22 59 50.7	+2.2
CUKT	Cukurca	22.22	280	eP	P	22 59 51.8	+2.7
BRDH	Bariadhal	22.26	122	P	P	22 59 49.4	-0.1
BRDH	comp-Z,82nm,0.4s,baz=75,slow=13,SNR=5.9			S	S	23 03 48.5	+0.7</



5d 22h

Table with columns: SIM, comp, pmax, pmax, and various station names like BZK, MERIS, MMAL, etc.

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Table with columns: MDUB, station names (e.g., Mudurnu, Guiyang, Umpang Tak), and various data points.

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Table with columns: ARG, station names (e.g., Arkhangelos, Istrita, SKNT), and various data points.



Table with columns: Station, Frequency, Power, and Date/Time. Includes stations like USA0B, USA08, USRK, USRUK, USRUK, etc.

Table with columns: Station, Frequency, Power, and Date/Time. Includes stations like EDU, WOL, WOL, WOL, etc.

Table with columns: Station, Frequency, Power, and Date/Time. Includes stations like MATI, MATI, MATI, MATI, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MSNA Messina, TOLK Toolik Lake, IM3 Indian Mountai, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ULM Lac du Bonnet, E53A Dumoine, LBNH Lisbon, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like F41A Three Lakes, F40A Park Falls, H47A Mio, etc.



Table with columns for station code, name, frequency, power, and various performance metrics. Includes stations like USA0B Ussuriysk Arra, MDJ Mudanjiang, KS01 Wonju Array Si, etc.

Table with columns for station code, name, frequency, power, and various performance metrics. Includes stations like JMM Marumori Iri, JCH Churui, JFH Itaya, etc.

Table with columns for station code, name, frequency, power, and various performance metrics. Includes stations like ZEA, ZEA, ZEA, TYV, TYV, TYV, etc.



6d 0h

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Table with columns: SKR, comp, time, frequency, power, and other parameters. Includes entries like Severo-Kuril's, Yakutsk, Xian, Taipei, etc.

Table with columns: TIXI, comp, time, frequency, power, and other parameters. Includes entries like Kunming, Lubang, Urumqi, Zaisan, etc.

Table with columns: KIWB, Kanaga Island, KHON, Khomkaen, etc. Includes various international stations and their parameters.

Table with columns for station ID, name, frequency, and signal strength. Rows include H11S1 WAKE ISLAND Hy 38.61 118 P, H11S3 WAKE ISLAND Hy 38.61 118 P, H11S2 WAKE ISLAND Hy 38.63 118 P, ODAN Odare 38.73 260 eP, KKM Kota Kinabalu 38.83 204 eP, MDOK Medeo 38.94 290 eP, MDOK Medeo 38.94 290 i/P, AAA Alma-Ata 39.02 290 eS, AAA Alma-Ata 39.02 290 eS, AAA comp-Z,124nm,1.3s, AAA comp-E,423nm,5.3s, AAA Alma-Ata 39.02 290 eP, AAA comp-E,124nm,1.3s, AAA comp-E,423nm,5.3s, TNS5 Tian-Shan 39.05 289 eP, TNS5 comp-N,132nm,0.9s, TNS5 Tian-Shan 39.05 289 eP, JIRN comp-N,870nm,0.5s, SPIA Saint Paul Isl 39.15 47 eP, KDJ Kajisay 39.19 288 eP, KDJ Kajisay 39.19 288 eP, SGSI Sangihe 39.19 189 P, KUU Kurty 39.20 291 d/iP, KUU Kurty 39.20 291 eP, KUU Kurty 39.20 291 i/P, GUN Gumba 39.24 263 eP, RAMN Ramite 39.26 261 eP, MTBS Maitube 39.38 290 eP, MTBS Maitube 39.38 290 eP, MTBS Maitube 39.38 290 eP, SDRT SRDT 49.1 234 P, PATY Pattaya 39.54 230 P, KKN Kakani 39.74 263 eP, PKI Pulchoki 39.77 263 eP, PKIN Pulchoki 39.78 263 eP, ULHL Ulahol 39.81 289 P, DMN Daman 39.97 263 eP, BRZS Berezniiki 40.02 301 d/iP, BRZS Berezniiki 40.02 301 eP, BRZS Berezniiki 40.02 301 i/P, BRZS Berezniiki 40.02 301 i/P, TKM2 Tokmak 2 40.03 290 P, NRN Naryn 40.26 288 eP, NRN Naryn 40.26 288 eP, NRN Naryn 40.26 288 eP, BTLS Baital 40.42 293 d/iP, BTLS Baital 40.42 293 i/P, BTLS Baital 40.42 293 i/P, BTLS Baital 40.42 293 i/P, BTLS Baital 40.42 293 i/P, NIKH Nikolski High 40.48 54 eP, NIKH Nikolski High 40.48 54 eP, SGDS Sogindy 40.52 291 i/P, SGDS Sogindy 40.52 291 i/P, DANN Dangsing 40.54 265 eP, KZA Kyzart 40.56 289 P, KBK Karagaybulak 40.57 290 P, CHMS Chumysh 40.59 290 P, OTUK Ortayu 40.65 299 P, USP Oспенovka 40.67 291 P, FRU1 Bishkek 40.73 290 eP, FRU1 Bishkek 40.73 290 eP, BVA0 Borovoye Array 40.80 306 P, BVA0 Borovoye Array 40.80 306 P, BVAR Borovoye Array 40.80 306 P, BVAR Borovoye Array 40.80 306 P, BVAR Borovoye Array 40.80 306 P, BVAR Borovoye Array 40.80 306 P, BRVK Borovoye 40.86 306 eP, BRVK Borovoye 40.86 306 eP, BRVK Borovoye 40.86 306 eP, AAK Ala-Archa 40.89 290 P, AAK Ala-Archa 40.89 290 P, AAK Ala-Archa 40.89 290 P, KOLDAN Koldanda 40.98 264 eP, KOLDAN Koldanda 40.98 264 eP

Table with columns for station ID, name, frequency, and signal strength. Rows include KSH Kashi 40.99 285 P, KSH Kashi 40.99 285 P, KSH Kashi 40.99 285 P, KSH Kashi 40.99 285 P, KSH Kashi 40.99 285 P, PYUN Pluthan 41.25 265 eP, ANM Nome 41.29 36 eP, ANM Nome 41.29 36 eP, EKS2 Erkin-Say 41.38 290 P, BOK Bokoro 41.66 258 eP, UNV Unalaska Valle 41.70 52 eP, TNTI Ternate 41.91 186 eP, TNTI Ternate 41.91 186 eP, AKUT Akutan 42.07 52 eP, RDOG Red Dog Mine 42.35 31 eP, KMSI Cibinong 42.45 190 P, DZA DZA 42.98 291 eP, DZA DZA 42.98 291 eP, DZA DZA 42.98 291 eP, PATS Pohnpel 43.09 138 eS, FALS False Pass 43.27 50 eP, MPSI Mapaga 43.38 196 P, KK31 Karatay Array 43.46 292 eP, KK31 Karatay Array 43.46 292 eP, KKAR Karatay Array 43.46 292 eP, KKAR Karatay Array 43.46 292 eP, SBUM Sibiu 43.50 208 eP, SBUM Sibiu 43.50 208 eP, SDI Dehra Dun 43.69 272 eP, DOI Dehra Dun 43.69 272 eP, JBG Jabagly 43.69 291 d/iP, JBG Jabagly 43.69 291 eP, JBG Jabagly 43.69 291 eP, MIDW Midway 43.78 92 eP, SMLA Simla 43.92 273 eP, SMLA Simla 43.92 273 eP, BRLS Borolday 43.95 292 eP, BRLS Borolday 43.95 292 eP, DHRM DHARAMSHALA 43.99 275 eP, DHRM DHARAMSHALA 43.99 275 eP, DHRM DHARAMSHALA 43.99 275 eP, DHRM DHARAMSHALA 43.99 275 eP, DHRM DHARAMSHALA 43.99 275 eP, DGPR DIGLIPUR 44.13 240 eP, IUG Iuzhnyy 44.15 291 d/iP, IUG Iuzhnyy 44.15 291 d/iP, IUG Iuzhnyy 44.15 291 d/iP, IUG Iuzhnyy 44.15 291 d/iP, IUG Iuzhnyy 44.15 291 d/iP, LUWI Luwuk 44.21 192 eP, LUWI Luwuk 44.21 192 eP, LUWI Luwuk 44.21 192 eP, APSI Ampana 44.27 194 P, KRAB Krabi 44.31 228 P, TRTT Trang 44.36 228 P, BTK Batken 44.42 288 eP, BTK Batken 44.42 288 eP, BTK Batken 44.42 288 eP, SKLT Songkhia 44.42 226 eP, SGKI Sangatta, Kali 44.74 199 P, SANI Sanana 44.81 187 P, SDPT Sand Point 44.81 49 eP, PKDT Phuket 45.06 229 P, KSM Kuching 45.08 210 eP, KSM Kuching 45.08 210 eP, NDI New Delhi 45.18 270 eP, GAR Garm 45.21 287 eP, GAR Garm 45.21 287 eP, PBA Port Blair 45.40 239 eP, PBA Port Blair 45.40 239 eP, FAKI Fak Fak 45.46 178 eP, FAKI Fak Fak 45.46 178 eP, NIL Nilore 45.53 279 eP, NIL Nilore 45.53 279 eP, NIL Nilore 45.53 279 eP, CHGN Chignik 45.72 47 eP, JAY Jayapura 45.88 166 P, KULM Kulim 45.99 224 eP, KULM Kulim 45.99 224 eP, KULM Kulim 45.99 224 eP, IM3 Indian Mountain 46.06 33 eP, SVW2 Sparrevoht 46.10 40 eP, JBP Jabalpur 46.32 262 eP, IPM Iloh 46.49 223 eP, ARU Arti 46.73 313 eP, ARU Arti 46.73 313 eP, ARU Arti 46.73 313 eP, ARU Arti 46.73 313 eP, ARU Arti 46.73 313 eP

Table with columns for station ID, name, frequency, and signal strength. Rows include ARU ARU 00 36 53.7 +4.1, ARU ARU 00 38 31.5 +2.3, MANU Manuis Island 46.95 157 eP, BANDU Bandanaira 47.05 182 P, CAST Castle Rocks 47.22 37 eP, TOLK Toolik Lake Re 47.24 29 eP, TOLK Toolik Lake Re 47.24 29 eP, COLD Coldfoot 47.25 31 eP, COLD Coldfoot 47.25 31 eP, PPLA Purkeypile 47.29 37 eS, MLY Manley 47.46 34 eP, MYKOM Kota Tinggi 47.47 218 eP, MYKOM Kota Tinggi 47.47 218 eP, BPWA Bear Paw Mtn. 47.55 36 eP, RSO Redoubt South 47.59 41 eP, RPSI Redoubt South 47.59 41 eP, SII Sitkinak Islan 47.92 46 eP, BNSI Bone 47.95 195 P, BNSI Bone 47.95 195 P, TRF Thorofare Mtns 48.00 36 eP, LHMI Lhok Sumawe 48.03 229 eP, LHMI Lhok Sumawe 48.03 229 eP, BHPL Bhopal 48.15 264 eP, BHPL Bhopal 48.15 264 eP, AB31 Akbulak array 48.15 304 P, AB31 Akbulak array 48.15 304 P, ABKAR Akbulak array 48.15 304 eP, ABKAR Akbulak array 48.15 304 eP, KBL Kabul 48.15 282 eP, KBL Kabul 48.15 282 eP, KBL Kabul 48.15 282 eP, KBL Kabul 48.15 282 eP, KBL Kabul 48.15 282 eP, SUA Susitna One 48.29 39 eP, CMBY CAMPBELL BAY 48.31 233 eP, HOM Homer 48.34 42 eP, KDAK Kodiak Island 48.40 44 eP, KDAK Kodiak Island 48.40 44 eP, KDAK Kodiak Island 48.40 44 eP, KDAK Kodiak Island 48.40 44 eP, KDAK Kodiak Island 48.40 44 eP, MDM Murphy Dome 48.52 34 eP, MDM Murphy Dome 48.52 34 eP, MCK McKinley 48.52 36 eP, MCK McKinley 48.52 36 eP, MCK McKinley 48.52 36 eP, MCK McKinley 48.52 36 eP, MCK McKinley 48.52 36 eP, TSI Tuntungan 48.59 226 P, BBSI Bau Bau 48.61 191 P, KAPI Kappang 48.62 195 eP, KAPI Kappang 48.62 195 eP, KAPI Kappang 48.62 195 eP, RND Reindeer 48.64 36 eP, RND Reindeer 48.64 36 eP, RND Reindeer 48.64 36 eP, RND Reindeer 48.64 36 eP, RND Reindeer 48.64 36 eP, BRK Bradley Lake 48.68 41 eP, BRK Bradley Lake 48.68 41 eP, BRK Bradley Lake 48.68 41 eP, BRK Bradley Lake 48.68 41 eP, BRK Bradley Lake 48.68 41 eP, BRK Bradley Lake 48.68 41 eP, CIGO UAF Yangk 48.69 34 P, CIGO UAF Yangk 48.69 34 P, CIGO UAF Yangk 48.69 34 P, CIGO UAF Yangk 48.69 34 P, CIGO UAF Yangk 48.69 34 P, COLA College 48.69 34 eP, COLA College 48.69 34 eP, COLA College 48.69 34 eP, COLA College 48.69 34 eP, COLA College 48.69 34 eP, WRH Wood River Hill 48.70 35 eP, BSI Banda Aceh 48.73 231 P, CCB Crib Creek Bu 48.77 34 eP, POKR Poker Plat Res 48.81 34 eP, BKS Bulukumba 48.85 195 P, RC01 Rabi Creek A 48.86 39 eP, RC01 Rabi Creek A 48.86 39 eP, PMR Palmer 49.00 39 eP, PMR Palmer 49.00 39 eP, PMR Palmer 49.00 39 eP, PMR Palmer 49.00 39 eP, PMR Palmer 49.00 39 eP, ILAR Eielson Array 49.12 34 eP, ILAR Eielson Array 49.12 34 eP, ILAR Eielson Array 49.12 34 eP, ILAR Eielson Array 49.12 34 eP, ILAR Eielson Array 49.12 34 eP, ILAR Eielson Array 49.12 34 eP, IL1 Eielson Array 49.12 34 eP, MSLI Meulaboh, Aceh 49.12 229 P, HDA Harding Lake 49.19 35 eP, HDA Harding Lake 49.19 35 eP, HDA Harding Lake 49.19 35 eP, HDA Harding Lake 49.19 35 eP, HDA Harding Lake 49.19 35 eP, SML Sawmill 49.30 38 eP, SML Sawmill 49.30 38 eP, SML Sawmill 49.30 38 eP, SML Sawmill 49.30 38 eP, SML Sawmill 49.30 38 eP, FYU Fort Yukon 49.31 32 eP, KNK Knik Glacier 49.36 39 eP, DHY Denali Highway 49.37 36 eP, DHY Denali Highway 49.37 36 eP, PRP Porcupine Dome 49.48 33 eP, PRP Porcupine Dome 49.48 33 eP, BSSI Bau Bau, Buton 49.59 194 P, SCM Sheep Creek Mo 49.75 38 eP, SCM Sheep Creek Mo 49.75 38 eP

Table of flight data for the left column, including airlines like SCM, Sheep Creek Mo, TPI, PPBI, RGRi, BKNi, BKNi, RIDG, RIDG, RABL, KLU, KLU, HARF, SCRK, DOT, DIV, DIV, EYAK, EYAK, EYAK, GSI, GSI, GSI, MID, MID, MID, HYB, HYB, HYB, HYB, HYB, MENT, PMBI, EGAK, EYAK, PRGR, PRGR, HMT, MMRI, MMRI, EDFI, KRJI, KRJI, GRJI, BALM, BALM, BALM, TBJI, DAWY, DAWY, HOPEN, SISI, SISI, SRBI, SOEI, SOEI, EPYK, EPYK, LHSI, BLJI, MDRS, PLAI, MDSI, SMRI, SMRI, KLJ, INK, INK, INK, DNP, JAGI, JAGI, GMJI, SPAO, BLSI, LWLI, PWJI, LVZ, LVZ, KVS, KVS, KVS, WOI, SBJI, POO, KASI, KPJI, YOGI, UGM, UGM, TAMC, TAMC.

Table of flight data for the middle column, including airlines like PCJI, BHJ, BCPM, PMG, PMG, APA, APA, APA, APA, GEYT, GEYT, GYA0B, SKJI, CISI, CISI, HYT, HYT, KLMR, KLMR, KLMR, KLMR, KLMR, KLMR, KEV, KEV, MTN, TARA, HAMP, ARCES, ARCES, AREO, AREO, WHY, SKAG, JOHN, PALK, PALK, PALK, PALK, KTKI, BESE, JIS, SIT, SIT, SIT, COEN, TRO, MOS, MOS, MOS, MOS, MOS, MOS, MOS, XNIS, VRH, VRH, VRH, VRH, TRD, OBN, OBN, OBN, OBN, OBN, OBN, MAK, MAK, MAK, MAK, MAK, LPSR, LPSR, LPSR, RES, RES, WRAK.

Table of flight data for the right column, including airlines like DLBC, PUL, PUL, PUL, CRAG, DAG, DAG, VSR, VSR, VSR, VSR, GROC, GROC, STEI, STEI, FINES, FINES, LOF, LOF, GOF, GOF, TULE, TULE, H02S, FITZ, NCK, NCK, ZEI, ZEI, DELIS, DELIS, TBLG, TBLG, MORB, MORB, MNCI, KBZ, KBZ, KIV, KIV, KIV, KIV, KIV, KIV, KIV, KONS, VSU, VSU, VSU, NEY, NEY, OPA, OPA, GNI, GNI, GNI, WSAR, KIP, KIP, KIP, JLJ, WBK, SHME, BIDO, WRAB, WRAB, MDH, MDH, WRA, WRA, WRA, WRA, WB2, MSFE, SMDO, YKW3, KARS, KARS, KARS, HOQIN, YKA, YKA, YKA, YKA.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like VKB5, KULLO, JMDO, NSS, SOHO, ASHO, COCO, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NOA, MOL, NBO00, NAO01, ASO1, ASAR, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BR231, RGN, ABTO, ARCH, UZH, etc.

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Table with columns for call sign, name, frequency, and other details. Includes stations like UPC, WJ1E, D08A, G05D, ZIMR, NEW, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like PRU, WJ1E, WJ1E, WJ1E, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like GERES, GEAO, BMO, KAC, etc.

LIT	comp=Z.98nm,0.6s	75.29 311	eP	P	00 40 39.9 -0.7
LIT	Litokhoron	75.29 311	eP	P	00 40 39.9 -0.7
LIT	comp=Z.40nm,1.2s		eP	Pmax	00 40 39.9 -0.7
BBOO	Buckleboo	75.32 176	eP	P	00 40 40.9 +0.3
HGN	Heimansgroeve	75.33 328	eP	P	00 40 40.2 -0.3
HGN	comp=Z.19nm,0.6s		eP	P	00 42 39.2 -0.3
PDG	Podgorica	75.40 315	iP	P	00 40 40.8 -0.3
PDG	Podgorica	75.40 315	iP	P	00 40 40.6 -0.5
PDG	Podgorica	75.40 315	iP	P	00 40 40.8 -0.3
TTG	Podgorica	75.40 315	eP	Pmax	00 40 40.8 -0.3
TTG	comp=Z.79nm,1.1s		eP	Pmax	00 40 40.8 -0.3
BEBN	Eben Emael	75.41 328	iP	P	00 40 40.7 -0.3
FNA	Florina	75.42 312	eP	P	00 40 42.7 +1.3
FNA	Florina	75.42 312	eP	Pmax	00 40 42.7 +1.3
FNA	Florina	75.42 312	eP	Pmax	00 40 42.7 +1.3
MEM	Membach	75.43 327	iP	P	00 40 40.6 -0.4
MEM	comp=Z.23nm,0.9s		iP	P	00 42 40.3 +0.2
CEY	Cerknica	75.44 320	iP	P	00 40 40.6 -0.7
BRY	Bratogost	75.44 315	eP	P	00 40 40.3 -1.2
KESW	Keswick, Cumbr	75.45 334	eP	IAMB	00 40 41.0 -0.2
KESW	comp=Z.36nm,0.6s		eP	IAMB	00 40 42.5
BEKR	Beckworth	75.47 49	eP	P	00 40 43.0 +1.2
BEKR	comp=Z.23nm,0.8s		eP	P	00 42 41.3 +0.5
JAVS	Javornik	75.49 320	iP	P	00 40 40.7 -1.0
JAVS	comp=Z.4.1nm,0.5s		iP	P	00 42 40.7 -1.0
JAVS	comp=Z.19nm,0.6s		eP	S	00 40 43.4 -2.8
STU	Stuttgart	75.53 325	eP	P	00 40 41.9 +0.1
STU	Stuttgart	75.53 325	eP	P	00 42 41.5 +0.8
STU	Stuttgart	75.53 325	eP	P	00 42 41.9 +0.1
STU	Stuttgart	75.53 325	eP	Pmax	00 42 41.6 +0.8
STU	Stuttgart	75.53 325	eP	Pmax	00 42 41.6 +0.8
WATA	Walderalm	75.57 322	iP	P	00 40 42.1 -0.1
WATA	comp=Z.16nm,0.4s,SNR=13		iP	P	00 42 41.7 +0.5
DLMT	Dillon	75.59 41	eP	P	00 40 43.6 +1.3
ABTA	Abfaltersbach	75.59 321	iP	P	00 40 41.5 -0.7
ABTA	comp=Z.21nm,0.5s,SNR=8.1		iP	P	00 42 40.3 -0.9
WTTA	Wattenberg	75.60 322	iP	P	00 40 42.5 +0.2
WTTA	comp=Z.19nm,0.5s		eP	P	00 42 40.7 -0.7
DRME	Dravecina	75.61 315	iP	P	00 40 42.1 -0.2
AFE	Apeiranthos	75.63 307	iP	P	00 40 40.6 -1.9
TREB	Trebizinde	75.67 315	eP	P	00 40 40.8 -2.0
UDBI	Udbina	75.67 318	iP	P	00 40 41.8 -0.9
KARP	Karpathos	75.69 305	eP	P	00 40 42.1 -0.8
RIY	Rijeka	75.71 319	eP	P	00 40 41.9 -0.9
GALI	Galloway	75.72 335	eP	IAMB	00 40 42.4 -0.2
GALI	comp=Z.27nm,0.6s		eP	IAMB	00 40 43.9
AFDM	Forest Hills D	75.76 50	eP	P	00 40 43.8 +0.5
MOTA	Moosalm	75.78 323	iP	P	00 40 43.2 -0.1
MOTA	comp=Z.14nm,0.5s,SNR=19		iP	P	00 42 42.9 +0.4
HCY	Herczeg Novi	75.79 315	eP	P	00 40 42.7 -0.6
RETA	Reutte	75.82 323	iP	P	00 40 43.8 +0.3
RETA	comp=Z.39nm,0.6s,SNR=21		eP	P	00 42 42.1 -0.5
SQTA	Sankt Quirin	75.83 322	iP	P	00 40 43.4 -0.1
SQTA	comp=Z.19nm,0.5s,SNR=8.7		iP	P	00 42 41.5 -1.2
BCLA	Clavier	75.85 328	iP	P	00 40 42.8 -0.7
BCLA	comp=Z.13nm,0.5s		iP	P	00 40 44.6 +0.7
MCMT	McKenzie Canyo	75.86 41	eP	P	00 40 44.9 +1.0
BOZ	Bozeman (W)	75.88 40	eP	P	00 40 44.9 +1.0
BOZ	comp=Z.83nm,1.0s		eP	P	00 40 44.9 +1.0
BOZ	Bozeman (W)	75.88 40	eP	Pmax	00 40 44.9 +1.0
STON	Ston	75.89 316	iP	P	00 40 42.6 -1.1
UCC	Uccle	75.92 328	eP	P	00 40 43.6 -0.2
UCC	comp=Z.18nm,0.6s		eP	Pmax	00 40 43.6 -0.2
UCC	Uccle	75.92 328	iP	P	00 40 43.3 -0.5
UCC	comp=Z.19nm,0.6s		eP	P	00 40 43.9 0.0
CLGH	Cloghs, Cushen	75.96 336	eP	IAMB	00 40 45.4
LBWR	Ladybowser, Pea	76.00 333	eP	IAMB	00 40 44.3 +0.1
LBWR	comp=Z.80nm,0.6s		eP	IAMB	00 40 45.8
HLID	Halley	76.00 43	eP	P	00 40 46.1 +1.4
HLID	comp=Z.103nm,1.2s		eP	P	00 40 46.1 +1.4
NVLJ	Novalla	76.08 319	iP	P	00 40 43.7 -1.1
NVLJ	Walferdange	76.11 327	eP	P	00 40 45.0 +0.1
WLF	Walferdange	76.11 327	eP	Pmax	00 40 45.0 +0.1
WLF	comp=Z.46nm,0.8s		eP	Pmax	00 40 44.9 0.0
WLF	Walferdange	76.11 327	iP	P	00 40 46.3 +0.9
PAHR	Pah Rah Range	76.12 48	eP	P	00 42 45.2 +0.6
PAHR	comp=Z.94nm,0.7s		eP	P	00 40 43.8 -1.4
AGG	Agios Georgios	76.12 311	eP	P	00 42 46.2 +1.7
AGG	comp=Z.98nm,1.9s		eP	P	00 42 46.2 +1.7
AGG	Agios Georgios	76.12 311	eP	P	00 42 46.2 +1.7
AGG	comp=Z.98nm,1.9s		eP	Pmax	00 40 47.0 +1.4
RUBR	Rubicon Trail	76.15 49	eP	P	00 40 44.7 -0.5
SNF	Seneffe	76.18 328	iP	P	00 42 44.8 +0.3
SNF	comp=Z.74nm,0.6s		iP	P	00 40 45.6 0.0
FETA	Feichten	76.19 323	iP	P	00 42 44.1 -0.8
FETA	comp=Z.10nm,0.6s,SNR=16.5		iP	P	00 40 45.2 0.0
IOMK	Kirk Michael	76.19 335	eP	IAMB	00 40 46.5
IOMK	comp=Z.9.6nm,1.0s		eP	IAMB	00 40 46.5
THRE	Thra Island	76.19 307	P	P	00 40 43.3 -2.3
BFO	Black Forest	76.24 325	eP	P	00 40 46.3 +0.6
BFO	comp=Z.56nm,0.6s		eP	P	00 42 46.8 +1.8
BFO	Black Forest	76.24 325	eP	Pmax	00 42 46.8 +1.8
BFO	comp=Z.56nm,0.6s		eP	Pmax	00 40 47.3 +1.1
VCNR	Virginia City	76.26 49	eP	P	00 40 45.9 0.0
WIM	Isle of Man	76.32 335	eP	P	00 40 46.6 +0.3
NWAQ	Narrogin (SRO)	76.35 192	eP	P	00 40 46.6 +0.3
NWAQ	comp=Z.155nm,1.6s		eP	Pmax	00 40 46.6 +0.3
NWAQ	Narrogin (SRO)	76.35 192	eP	Pmax	00 40 46.6 +0.3
NWAQ	comp=Z.150nm,1.6s		eP	Pmax	00 40 46.7 +0.1
DAVA	Damuels	76.37 323	iP	P	00 42 45.1 -0.8
DAVA	comp=Z.43nm,0.6s,SNR=19		eP	P	00 40 45.6 -0.6
IDGL	Inch Island, C	76.38 337	eP	P	00 40 45.9 -0.5
DOU	Dourbes	76.39 328	iP	P	00 40 46.1 -0.4
CWF	Charnwood Fore	76.41 332	eP	P	00 40 46.1 -0.4

CWF	comp=Z.33nm,0.7s		IAMB	IAMB	00 40 47.4
IVI	Ivigtut	76.41 360	eP	P	00 40 45.7 -0.5
NARS	Narsarsuaq	76.42 358	iP	P	00 40 46.2 -0.1
NARS	comp=Z.45nm,0.6s		iP	P	00 40 46.2 -0.1
NARS	Narsarsuaq	76.42 358	iP	Pmax	00 40 46.2 -0.1
PNTR	Pine Nut	76.43 49	eP	P	00 40 48.4 +1.2
PNTR	comp=Z.151nm,0.6s		eP	P	00 40 48.7 +1.1
QLMT	Earthquake Lak	76.54 40	eP	P	00 42 48.2 +1.2
QLMT	comp=Z.14nm,0.6s		eP	P	00 40 47.0 -0.6
ZKR	Zkrist of Mourn	76.55 305	eP	P	00 40 47.4 -0.2
ZKR	comp=Z.63nm,0.7s		eP	P	00 40 49.2 +1.1
GCMT	Greycliff	76.65 39	eP	P	00 40 46.9 -1.3
GCMT	comp=Z.92nm,1.2s		eP	P	00 40 48.7 +0.1
ANX	Ano Chora	76.70 323	eP	P	00 40 49.8 +1.2
FUORN	Ofenpass-Fuorn	76.71 40	eP	P	00 40 49.9 +1.3
FUORN	comp=Z.197nm,0.6s		eP	P	00 40 49.8 +1.2
YERR	Yerington	76.70 49	eP	P	00 40 49.9 +1.3
YERR	comp=Z.115nm,0.6s		eP	P	00 40 49.9 +1.3
YHB	Horse Butte	76.71 40	eP	P	00 40 49.9 +1.3
YHB	comp=Z.137nm,0.6s		eP	P	00 40 49.8 +0.8
CMB	Columbia Colle	76.73 50	eP	P	00 42 48.4 +0.7
CMB	comp=Z.62nm,0.7s		eP	P	00 40 49.4 +0.8
CMB	Columbia Colle	76.73 50	eP	P	00 42 48.4 +0.7
CMB	comp=Z.62nm,0.7s		eP	Pmax	00 42 48.4 +0.7
CMB	Columbia Colle	76.73 50	eP	Pmax	00 42 48.4 +0.7
CMB	comp=Z.82nm,0.7s		eP	Pmax	00 40 50.2 +1.3
BMN	Battle Mountai	76.79 47	eP	P	00 40 50.3 +1.3
BMN	comp=Z.93nm,0.6s		eP	Pmax	00 40 50.3 +1.3
BMN	Battle Mountai	76.79 47	eP	P	00 42 48.5 -0.4
BMN	comp=Z.93nm,0.6s		eP	P	00 40 48.5 -0.4
ECH	Echery	76.83 325	eP	P	00 40 48.5 -0.4
ECH	comp=Z.26nm,0.7s		eP	P	00 40 48.5 -0.4
ECH	Echery	76.83 325	eP	Pmax	00 40 48.5 -0.4
ECH	comp=Z.26nm,0.7s		eP	P	00 40 48.6 -0.2
WME	Myndd Eilian	76.84 334	eP	P	00 40 50.4 +1.0
YHH	Holmes Hill	76.84 40	eP	P	00 49 50.5 +3.9
YHH	comp=Z.87nm,1.4s		eP	S	00 40 48.5 -0.4
ELSH	Elham, Standar	76.85 330	eP	P	00 40 50.8 +1.3
YMR	Madison River	76.88 40	eP	P	00 40 48.3 -0.8
YMR	comp=Z.46nm,0.8s		eP	IAMB	00 40 49.8
WPS	Cemaes, Angles	76.90 334	eP	IAMB	00 40 49.8
WPS	comp=Z.25nm,0.6s		eP	IAMB	00 40 49.4 +0.1
FOEL	Foel Wyifa	76.92 334	eP	IAMB	00 40 50.7
FOEL	comp=Z.70nm,1.0s		eP	IAMB	00 40 51.2 +1.3
WAKR	Walker	76.93 49	eP	P	00 42 50.6 +1.0
WAKR	comp=Z.93nm,0.6s		eP	P	00 40 49.3 -0.1
WAKR	Llynfaes	76.96 334	eP	IAMB	00 40 50.5
WAKR	comp=Z.75nm,0.6s		eP	P	00 40 51.8 +1.7
YNR	Norris Junctio	76.98 40	eP	P	00 42 53.1 +3.4
YNR	comp=Z.197nm,0.8s		eP	P	00 40 53.4 +0.6
DNMT	Dagmar	76.99 34	eP	P	00 40 50.3 +0.6
DNMT	comp=Z.148nm,0.6s		eP	P	00 42 50.5 +0.5
SAO	San Andreas Ge	77.00 52	eP	P	00 42 50.2 +0.5
SAO	comp=Z.41nm,1.0s		eP	P	00 42 50.5 +0.5
SAO	San Andreas Ge	77.00 52	eP	P	00 42 50.2 +0.5
SAO	comp=Z.41nm,1.0s		eP	Pmax	00 42 50.2 +0.5
LLW	Llanuwchllyn	77.10 38	eP	P	00 40 50.1 -0.1
LLW	Old Faithful	77.10 40	eP	P	00 40 53.3 +2.6
YFT	Yft	77.10 40	eP	P	00 42 53.0 +2.6
LKWY	Lake	77.22 40	eP	P	00 40 53.9 +2.4
LKWY	comp=Z.46nm,0.8s		eP	Pmax	00 40 53.9 +2.4
LKWY	Lake	77.22 40	eP	P	00 40 51.7 +0.4
LKWY	comp=Z.46nm,0.8s		eP	P	00 42 56.7 +5.6
TUE	Stuetta	77.22 323	eP	P	00 40 53.9 +2.3
TUE	comp=Z.42nm,0.5s		eP	P	00 40 54.3 +2.7
YPP	Pitchstone Pla	77.25 40	eP	P	00 42 53.4 +2.0
YPP	comp=Z.35nm,0.7s		eP	P	00 40 54.4 +2.7
H17A	Grant Village	77.27 40	eP	P	00 40 53.0 +1.2
H17A	comp=Z.94nm,0.8s		eP	P	00 40 53.0 +1.2
H17A	Grant Village	77.27 40	eP	P	00 40 53.0 +1.2
H17A	comp=Z.94nm,0.8s		eP	Pmax	00 40 53.0 +1.2
KVN	Kaiserville	77.29 48	eP	P	00 42 53.4 +2.0
KVN	comp=Z.126nm,0.7s		eP	P	00 40 54.2 +2.7
KVN	Kaiserville	77.29 48	eP	P	00 40 53.0 +1.2
KVN	comp=Z.130nm,0.7s		eP	Pmax	00 40 53.0 +1.2
RLMT	Red Lodge	77.34 39	eP	P	00 40 53.0 +1.1
RLMT	comp=Z.422nm,1.7s		eP	P	00 40 53.1 +1.1
RLMT	Red Lodge	77.34 39	eP	P	00 40 53.2 +1.1
RLMT	comp=Z.422nm,1.7s		eP	P	00 42 53.5 +1.6
RYN	Ryan	77.35 49	eP	P	00 40 54.8 +2.0
RYN	comp=Z.121nm,0.6s		eP	P	00 40 51.8 -0.7
FLWY	Flagg Ranch	77.44 41	eP	P	00 40 54.4 +1.6
FLWY	comp=Z.193nm,1.5s		eP	P	00 40 52.2 -0.2
SIVA	Sivas	77.46 306	P	P	00 40 53.3
IMW	Indian Meadow	77.47 41	eP	P	00 40 53.3 +0.6
IMW	comp=Z.64nm,0.9s		eP	P	00 40 53.4 +0.7
STRD	Stroud	77.50 332	eP	IAMB	00 40 52.7 -0.2
STRD	comp=Z.87nm,0.5s		eP	IAMB	00 40 52.7 -0.2</



Table with columns: Station Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like RSSD Black Hills, K22A Casper, DECC Green Verdugo, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like MONP2 Monument Peak, BAR Barrett, SWSC Sam W. Stewart, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like I39A Houston, FURI Fur, G43A Wallace, etc.



# 6d 0h

67A	Wooly Knot Far	92.42	29	P	P	00 42 05.9 +0.2
P51A	Williamsport	92.52	26	eP	P	00 42 06.3 +0.2
S46A	Don Don Farm	92.53	30	P	P	00 42 06.3 +0.1
N55A	Marion Center	92.55	22	P	P	00 42 06.4 +0.1
R48A	Norridge Ran	92.55	28	P	P	00 42 06.6 +0.3
WCI	Wyandotte Cave	92.56	29	eP	P	00 42 06.8 +0.4
WCI	Wyandotte Cave	92.56	29	eP	Pmax	00 42 06.8 +0.4
WCI	Wyandotte Cave	92.56	29	Pmax	Pmax	00 42 06.7 +0.4
PARMO	Parma	92.66	32	eP	P	00 42 07.9 +1.1
P52A	Corning	92.67	25	P	P	00 42 06.4 -0.4
KSPA	Keystone Colle	92.67	20	eP	P	00 42 07.0 +0.2
O54A	Avella	92.70	24	P	P	00 42 07.2 +0.0
HRV	Adam Dzewonski	92.74	17	P	P	00 42 07.5 +0.4
T45A	Paducah	92.77	31	P	P	00 42 08.4 +1.0
T45A	Paducah	92.77	31	P	P	00 42 07.8 +0.5
Q50A	Georgetown	92.80	27	P	P	00 42 07.0 -0.4
WHAR	Wooly Hollow	92.84	34	eP	P	00 42 08.1 +0.5
WHAR	Wooly Hollow	92.84	26	eP	P	00 44 12.9 +0.5
Q51A	Peebles	92.84	26	eP	P	00 42 07.7 +0.1
Q51A	Peebles	92.84	26	eP	P	00 44 12.9 +0.6
R49A	Shelbyville	92.89	28	P	P	00 42 08.4 +0.6
PVMO	Portageville	92.90	32	eP	P	00 44 09.7 -3.0
S47A	Hartford	92.92	29	P	P	00 42 07.9 0.0
MIAR	Mount Ida	92.93	35	eP	P	00 42 09.1 +1.0
MIAR	Mount Ida	92.93	35	eP	P	00 44 13.8 +1.0
MIAR	Mount Ida	92.93	35	eP	P	00 42 09.1 +1.0
MIAR	Mount Ida	92.93	35	eP	Pmax	00 44 13.8 +1.0
MIAR	Mount Ida	92.93	35	P	P	00 42 09.0 +0.9
W41B	Gary Mavity, V	92.95	34	eP	P	00 42 07.0 -1.2
W41B	Gary Mavity, V	92.95	34	P	P	00 42 08.6 +0.5
SSPA	Standing Stone	92.98	22	eP	P	00 42 08.2 0.0
SSPA	Standing Stone	92.98	22	P	P	00 42 08.2 0.0
O55A	Ligonier	92.99	23	P	P	00 42 08.3 0.0
T46A	Princeton	93.03	30	P	P	00 42 09.1 +0.6
P53A	Whipple	93.04	25	eP	P	00 42 09.0 +0.5
P53A	Whipple	93.04	25	P	P	00 42 08.6 +0.1
O56A	Blue Knob Stat	93.14	22	eP	P	00 42 09.5 +0.4
O56A	Blue Knob Stat	93.14	22	P	P	00 42 09.0 0.0
S48A	Wiedeman Farm	93.15	29	P	P	00 42 09.2 +0.2
GLAT	Glass	93.19	32	eP	P	00 42 10.4 +1.2
R50A	Paris	93.19	27	P	P	00 42 09.4 +0.2
P54A	Burton	93.20	24	P	P	00 42 09.3 0.0
HPIG	comp=Z,308nm,2.0s	93.23	48	eP	P	00 42 10.7 +0.8
HPIG	Oxford	93.24	151	eP	P	00 44 15.1 +0.4
OXZ	Oxford	93.24	151	eP	P	00 42 09.6 +0.5
Q52A	Bidwell	93.24	25	P	P	00 42 09.3 -0.1
UALR	University of	93.26	34	eP	P	00 42 10.5 +0.9
HBAR	Harrisburg	93.27	33	eP	P	00 42 11.8 +2.2
N59A	State Game Lan	93.28	20	eP	P	00 42 10.0 +0.4
N59A	State Game Lan	93.28	20	P	P	00 42 09.5 -0.1
SLBS	Sierra La Lagu	93.29	53	eP	P	00 42 11.6 +1.6
X40A	Basin Creek Fa	93.30	35	eP	P	00 42 11.0 +1.2
X40A	Basin Creek Fa	93.30	35	eP	P	00 44 15.6 +1.0
S49A	Springfield	93.31	28	P	P	00 42 10.1 +0.3
MCWV	Mont Chateau	93.34	23	eP	P	00 42 10.8 +0.9
MCWV	Mont Chateau	93.34	23	P	P	00 42 10.4 +0.5
WHTX	Lake Whitney	93.34	40	eP	P	00 42 11.1 +1.1
WHTX	Lake Whitney	93.34	40	P	P	00 42 10.6 +0.6
T47A	Sharon Grove	93.37	30	eP	P	00 42 10.4 +0.3
T47A	Sharon Grove	93.37	30	P	P	00 42 10.4 +0.3
R51A	Hillsboro	93.42	27	P	P	00 42 10.3 0.0
JCT	Junction City	93.46	42	eP	P	00 42 11.2 +0.6
JCT	Junction City	93.46	42	eP	P	00 44 16.1 +0.6
JCT	Junction City	93.46	42	eP	P	00 42 11.3 +0.6
JCT	Junction City	93.46	42	eP	Pmax	00 44 16.1 +0.6
JCT	Junction City	93.46	42	P	P	00 42 11.0 +0.4
P55A	Reedsville	93.48	23	P	P	00 42 11.0 +0.4
T48A	Bowling Green	93.52	29	P	P	00 42 11.0 +0.2
LBZ	Lake Benmore	93.53	153	eP	P	00 42 12.6 +2.2
U46A	Springville	93.53	31	P	P	00 42 11.3 +0.5
KMBO	Kilima Mbogo	93.55	272	P	P	00 42 11.6 0.0
KMBO	Kilima Mbogo	93.55	272	P	P	00 44 17.2 +0.7
KMBO	Kilima Mbogo	93.55	272	P	P	00 46 07.9 +1.6
KMBO	Kilima Mbogo	93.55	272	eP	P	00 42 11.5 0.0
KMBO	Kilima Mbogo	93.55	272	eP	P	00 44 17.9 +1.3
KMBO	Kilima Mbogo	93.55	272	eP	P	00 46 07.9 +1.6
KMBO	Kilima Mbogo	93.55	272	P	P	00 42 11.3 -0.2
KMBO	Kilima Mbogo	93.55	272	P	P	00 42 12.0 +0.2
KMBO	Kilima Mbogo	93.55	272	P	P	00 44 17.6 +1.0
Q53A	Leroy	93.57	25	P	P	00 42 11.2 +0.3
PAL	Palisades	93.65	19	P	P	00 42 11.5 +0.3
PAL	Palisades	93.65	19	eP	P	00 42 11.5 +0.3
PAL	Palisades	93.65	19	Pmax	Pmax	00 42 11.5 +0.3
PAL	Palisades	93.65	19	P	P	00 42 11.1 -0.1
Q54A	Coxs Mills	93.67	24	P	P	00 42 11.7 +0.3
R52A	Catlettsburg	93.69	26	P	P	00 42 11.1 -0.4
S50A	Richmond	93.71	27	P	P	00 42 11.7 +0.1

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U47A	Clarksville	93.79	30	P	P	00 42 12.3 +0.3
T49A	Edmonton	93.83	29	eP	P	00 42 12.7 +0.5
T49A	Edmonton	93.83	29	P	P	00 42 12.5 +0.4
WLAR	White Oak Lake	93.87	36	eP	P	00 42 13.7 +1.3
WVT	Waverly	93.87	31	eP	P	00 42 12.8 +0.5
WVT	Waverly	93.87	31	eP	P	00 42 12.8 +0.5
WVT	Waverly	93.87	31	P	Pmax	00 42 12.8 +0.5
WVT	Waverly	93.87	31	P	P	00 42 12.6 +0.2
Q55A	Buckhannon	93.88	24	P	P	00 42 12.6 +0.2
R53A	Hurricane	93.92	25	P	P	00 42 12.6 +0.1
NAI	Nairobi	93.98	272	eP	P	00 42 14.4 +1.0
NAI	Nairobi	93.98	272	eP	Pmax	00 42 14.5 +1.0
NAI	Nairobi	93.98	272	eP	Pmax	00 42 14.5 +1.0
U48A	Cassie Pea, Po	94.00	30	P	P	00 42 13.0 0.0
S51A	Beattyville	94.02	27	eP	P	00 42 13.2 +0.2
S51A	Beattyville	94.02	27	P	P	00 42 12.9 -0.1
V46A	Holladay	94.05	31	P	P	00 42 13.3 +0.2
X43A	Marvell	94.08	34	P	P	00 42 14.0 +0.6
T50A	Nancy	94.15	28	P	P	00 42 13.5 -0.1
PP2T	Papeete	94.22	110	eLR	LR	01 13 39.2
CCAR	Cane Creek	94.24	35	eP	P	00 42 15.4 +1.4
V47A	Nunnely	94.25	31	P	P	00 42 14.2 +0.1
U49A	Red Boiling Sp	94.28	29	P	P	00 42 14.4 +0.2
R54A	Victor	94.36	25	P	P	00 42 14.7 +0.2
Z41A	Richland Creek	94.37	36	eP	P	00 42 15.6 +1.0
Z41A	Richland Creek	94.37	36	P	P	00 42 15.5 +0.8
S53A	Williamson	94.46	26	P	P	00 42 15.4 +0.3
T51A	Gray	94.51	27	P	P	00 42 15.2 -0.1
R55A	Mantion	94.53	24	P	P	00 42 15.3 -0.1
W46A	Michie	94.54	31	P	P	00 42 15.4 0.0
V48A	Smith Brothers	94.59	30	eP	P	00 42 15.7 +0.1
V48A	Smith Brothers	94.59	30	eP	P	00 44 20.8 +0.4
V48A	Smith Brothers	94.59	30	P	P	00 42 15.8 +0.1
OXF	Oxford	94.68	33	eP	P	00 42 16.4 +0.3
OXF	Oxford	94.68	33	eP	Pmax	00 42 16.4 +0.3
OXF	Oxford	94.68	33	P	Pmax	00 42 16.3 +0.2
OXF	Oxford	94.68	33	P	P	00 42 16.3 +0.2
U50A	Jamesstown	94.69	28	P	P	00 42 16.3 +0.2
T52A	Hallie	94.70	27	P	P	00 42 16.0 -0.1
W47A	Westpoint	94.73	31	P	P	00 42 16.5 +0.2
PLAL	Pickwick Lake	94.79	31	eP	P	00 42 16.6 0.0
NATX	Nacogdoches	94.82	38	eP	P	00 42 18.6 +1.8
NATX	Nacogdoches	94.82	38	P	P	00 42 18.0 +1.3
S55A	Lewisburg	94.88	25	P	P	00 42 16.8 -0.2
V49A	McMinnville	94.90	29	P	P	00 42 16.7 -0.4
T53A	Wills	94.96	26	P	P	00 42 17.5 +0.1
X46A	Booneville	94.97	32	P	P	00 42 17.1 -0.2
U51A	La Follette	95.01	28	P	P	00 42 17.4 -0.2
TZ1N	Tazewell	95.02	27	eP	P	00 42 18.1 +0.5
TZ1N	Tazewell	95.02	27	P	P	00 42 17.7 +0.1
TAOE	Nuku Hiva Isla	95.06	97	eLR	LR	01 13 52.8
W48A	Pulaski	95.08	30	P	P	00 42 17.9 0.0
T54A	Tazewell	95.20	26	P	P	00 42 18.6 +0.1
U52A	Thorn Hill	95.22	27	P	P	00 42 18.4 -0.1
V50A	Pikie	95.27	29	P	P	00 42 18.4 -0.3
X47A	Russellville	95.28	31	P	P	00 42 18.7 -0.1
W49A	Bellevue	95.34	30	P	P	00 42 19.1 0.0
SWET	Sewanee	95.38	30	eP	P	00 42 18.9 -0.4
CBN	Corbin Frederi	95.40	22	P	P	00 42 19.4 +0.2
T55A	Pulaski	95.40	25	P	P	00 42 19.3 0.0
V51A	Loudon	95.42	28	eP	P	00 42 19.7 +0.3
V51A	Loudon	95.42	28	P	P	00 42 19.3 -0.1
833A	Chaparral WMA	95.42	43	eP	P	00 42 19.1 -0.4
833A	Chaparral WMA	95.42	43	P	P	00 42 20.1 +0.5
BLA	Blacksburg	95.42	25	P	P	00 42 19.2 -0.3
R58B	Mineral	95.48	23	P	P	00 42 19.6 0.0
U53A	Fall Branch	95.51	27	P	P	00 42 19.8 0.0
U54A	Nelsons Funny	95.62	26	P	P	00 42 20.2 -0.1
W50A	Signal Mountai	95.62	29	eP	P	00 42 20.2 -0.2
W50A	Signal Mountai	95.62	29	P	P	00 42 20.3 0.0
V52A	Sevierville	95.64	28	eP	P	00 42 20.5 +0.1
V52A	Sevierville	95.64	28	P	P	00 42 20.3 -0.1
X48A	Hartselle	95.65	31	eP	P	00 42 20.3 -0.2
X48A	Hartselle	95.65	31	P	P	00 4

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CAM01, G004, G004, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, and other technical details. Includes stations like OKK, OKK, MORC, etc.

MOS 06:00:41:55.8:1.0, 44:87N:146:14E, h149km, mb4.5/34, Error ellipse: s-maj=8.6km s-min=6.0km az=93.9

ISCJB 06:00:41:57.1:0.2, 44:66N:103:146:32E:0:04, h170km, 2km, mb4.4/11, Error ellipse: s-maj=5.8km s-min=3.5km az=148.6

SKHL 06:00:41:58.0:0.0, 44:60N:146:34E, h147km, 8km, mb5.3/2, JMA 06:00:41:58.6:0.3, 44:55N:146:35E, h163km, 3km, M3.9

IDC 06:00:41:59.0:0.6, 44:87N:146:12E, h168km, 5km, mb3.9/20, mb1.4/126, mb1mx0.4/37, mb2p4.2/6, MS3.5/2, Ms1.3/5.2, ms1mx3.0/57, Error ellipse: s-maj=12.6km s-min=7.9km az=158.0

NEIC 06:00:41:59.1:0.4, 44:74N:146:19E, h175km, 4km, mb4.5/57, Error ellipse: s-maj=6.3km s-min=3.8km az=148.0

ISC 06:00:41:57.8:0.4, 44:68N:104:146:31E:0:04, h163km, 3km, h163km:p-P, Δ22, e1803/357, mb6.4/11, 39C-26D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, and other technical details. Includes stations like YUK, YUK, YUK, etc.

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ZALV, Zalesovo Beam, Toolik Lake Re, Murphy Dome, Wood River Hill, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KKAR, Karatay Array, ARU, Arti, Resolute Bay, etc.

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

IDD 06:00:49:33.9i, 1.7, 5.28S; 129.91E, h0km, mb3.5/1, mb1 4.1/5, mb1mx3.7/32, mb1trmp4.0/5, ML4.0/4, Error ellipse: s-maj=64.3km s-min=24.6km az=87.0









TIA	Tai'an	44.23 335	P	P	04 50 38.6	-0.1
TIA			sP	sP	04 51 03.6	-0.5
TIA			S	S	04 57 06.2	-1.2
TIA			sS	sS	04 57 38.6	+1.0
TIA			SS	SS	05 00 24.0	-4.0
TIA	comp=Z,2µm,5.2s					
TIA	comp=Z,32µm,25.2s		LR	LR		
TIA	comp=Z,15µm,21.7s		LR	LR		
TIA	comp=Z,63µm,23.6s		LR	LR		
CM01	Chiang Mai Arr	44.59 301	eP	P	04 50 41.7	-0.1
CM31	Chiang Mai Arr	44.62 301	eP	P	04 50 42.6	+0.6
CM31	Chiang Mai Arr	44.62 301	P	P	04 50 43.2	+1.2
CMAR	Chiang Mai Arr	44.62 301	P	P	04 50 41.4	-0.7
CMAR	comp=Z,92nm,0.8s,baz=122,slow=5.7,SNR=7.4		LR	LR	05 09 42.4	
CMMT	Chiang Mai	44.76 301	P	P	04 50 43.6	+0.3
CHTO	Chiang Mai	44.77 301	eP	P	04 50 43.3	0.0
CHTO	Chiang Mai	44.77 301	eP	P	04 50 43.3	0.0
CHTO	Chiang Mai	44.77 301	P	P	04 50 43.9	+0.6
CHTO	Chiang Mai	44.77 301	P	P	04 50 43.6	+0.3
KMI	Kunming	44.84 311	P	P	04 50 45.2	+1.2
KMI			pP	pP	04 51 02.8	+1.4
KMI			sP	sP	04 51 09.2	-0.2
KMI			PP	PP	04 52 34.5	+4.5
KMI			sS	sS	04 57 14.7	-2.2
KMI			SS	SS	04 57 43.8	-3.4
KMI	comp=Z,160nm,1.0s					
KMI	comp=Z,5µm,5.1s					
KMI	comp=Z,66µm,24.3s		LR	LR		
KMI	comp=Z,108µm,22.6s		LR	LR		
KMI	comp=Z,213µm,24.6s		LR	LR		
DL2	Dalian	44.95 341	iP	P	04 50 45.0	+0.7
DL2			sP	sP	04 51 09.8	+0.1
DL2			S	S	04 57 16.4	-1.1
DL2			sS	sS	04 57 43.6	-4.2
DL2			SS	SS	05 00 36.1	+1.0
DL2	comp=Z,270nm,0.7s					
DL2	comp=Z,6µm,7.0s					
DL2	comp=Z,43µm,21.3s		LR	LR		
DL2	comp=Z,42µm,18.4s		LR	LR		
DL2	comp=Z,66µm,28.5s		LR	LR		
OUZ	Omahuta	45.33 139	eP	P	04 50 47.4	-0.1
ERM	Erimo	45.47 5	eP	P	04 50 48.9	+0.5
ERM	Erimo	45.47 5	eP	P	04 50 49.8	+1.4
ERM	comp=Z,102nm,1.0s					
ERM	comp=Z,51µm,18.0s		MLR	MLR		
CMBY	CAMPBELL BAY	45.67 283	eP	IAMB	04 50 49.3	-1.1
CMBY	comp=Z,2µm,2.1s				04 50 54.8	
MSHR	Mys Shultsa	46.31 353	eP	P	04 50 55.8	+0.7
XAN	Xi'an	46.56 326	iP	P	04 50 57.4	+0.2
XAN			pP	pP	04 51 12.9	-1.8
XAN			sP	sP	04 51 19.5	-3.2
XAN			PP	PP	04 52 49.2	+1.5
XAN			S	S	04 57 38.9	+2.2
XAN			SS	SS	05 00 44.0	-2.0
XAN	comp=Z,490nm,1.0s					
XAN	comp=Z,7µm,4.3s					
XAN	comp=Z,82µm,25.9s		LR	LR		
XAN	comp=Z,49µm,27.8s		LR	LR		
XAN	comp=Z,123µm,24.9s		LR	LR		
XAN	comp=Z,1µm,1.1s					
XAN	comp=Z,1µm,1.1s					
VLA	Vladivostok	46.76 353	iP	P	04 50 59.7	+1.2
VLA	comp=Z,157nm,0.9s					
ASAJ	Asahikawa	47.52 4	P	P	04 51 04.3	-0.1
TIY	Taiyuan	47.58 332	eP	P	04 51 05.5	+0.4
TIY			sP	sP	04 51 25.1	+2.5
TIY			sS	sS	04 57 53.5	-2.3
TIY			SS	SS	04 57 56.3	+0.9
TIY	comp=Z,160nm,1.0s					
TIY	comp=Z,4µm,5.5s					
TIY	comp=Z,31µm,15.8s		LR	LR		
TIY	comp=Z,20µm,12.3s		LR	LR		
TIY	comp=Z,79µm,21.3s		LR	LR		
CD2	Chengdu	47.59 318	iP	P	04 51 06.0	+0.7
CD2			sP	sP	04 51 32.9	+2.1
CD2			S	S	04 57 32.8	-2.3
CD2			sS	sS	04 58 29.6	+3.3
CD2	comp=Z,750nm,1.3s					
CD2	comp=Z,11µm,5.7s					
CD2	comp=Z,121µm,17.9s		LR	LR		
CD2	comp=Z,118µm,20.7s		LR	LR		
CD2	comp=Z,151µm,19.3s		LR	LR		
YUK	Yuzh-Kuril'sk	47.76	diP	P	04 51 05.2	-1.0
YUK			ePP	ePP	04 51 20.7	-3.1
YUK			e	e	04 52 32.8	-2.3
YUK			iS	S	04 57 58.1	+0.6
YUK			eSS	SS	05 01 27.4	+0.4
YUK	comp=Z,681nm,6.0s					
YUK	comp=Z,264nm,1.0s					
YUK	comp=E,15µm,19.0s		MLR	MLR		
YUK	comp=Z,29µm,19.0s		MLR	MLR		
YUK	comp=N,23µm,18.0s		MLR	MLR		
USA0B	Ussuriysk Arr	47.81 354	eP	P	04 51 07.5	+0.7
USRK	Ussuriysk Ar.	47.81 354	P	P	04 51 07.1	+0.4
USRK	comp=N,93µm,21.4s,baz=161,slow=7.3,SNR=71		LR	LR	05 08 44.1	
BJT	Baijituau	47.88 337	eP	P	04 51 07.3	+0.1
BJT	Baijituau	47.88 337	eP	P	04 51 07.4	+0.1
BJT	comp=Z,560nm,1.1s					
PBA	Port Blair	47.89 289	eP	P	04 51 08.2	+0.3
PBA	Port Blair	47.89 289	eP	P	04 51 07.4	-0.5
BJI	Beijing	47.90 337	iP	P	04 51 12.5	+0.1
BJI			pP	pP	04 51 22.1	-2.9
BJI			sP	sP	04 51 33.8	+0.9
BJI			S	S	04 57 59.1	-0.6

BJI			sS	sS	04 58 33.2	+2.9
BJI			pmax	pmax		
HIZ	Haiti	48.11 141	eP	P	04 51 09.6	+0.5
DGPR	DIGLIPUR	48.14 291	eP	IAMB	04 51 08.8	-0.9
DGPR	comp=Z,277nm,1.1s				04 51 14.6	
TEY	Ternei	48.32 358	iP	P	04 51 13.1	+2.5
TEY			e	e	04 51 32.4	+1.7
TEY			sP	sP	04 58 06.0	+0.5
TEY			pmax	pmax		
TEY	comp=N,30nm,1.9s					
TEY	comp=E,15µm,13.0s		MLR	MLR		
TEY	comp=N,37µm,18.0s		MLR	MLR		
TEY	comp=Z,47µm,17.0s					
TLZ	Tolley Road	48.42 141	P	P	04 51 12.9	+1.2
CN2	Changchun	48.50 347	eP	P	04 51 12.0	0.0
CN2			eP	eP	04 51 30.7	+1.1
CN2			PP	PP	04 53 06.3	+0.9
CN2			eS	eS	04 58 02.8	+0.1
CN2			eSS	eSS	05 01 35.0	-4.0
CN2	comp=Z,40nm,1.0s					
CN2	comp=Z,45µm,20.0s		LR	LR		
CN2	comp=Z,30µm,20.0s		LR	LR		
CN2	comp=Z,67µm,19.0s		LR	LR		
MSZ	Milford Sound	48.52 152	P	P	04 51 14.9	+2.7
MSZ			S	S	04 58 07.6	-0.8
MDJ	Mudanjiang	48.53 352	P	P	04 51 12.8	+0.6
MDJ			pP	pP	04 51 30.0	+0.2
MDJ			sP	sP	04 51 38.2	+0.5
MDJ			ScP	ScP	04 58 24.4	-1.7
MDJ			sS	sS	04 58 12.1	+3.6
MDJ			pmax	pmax	04 58 41.5	+2.4
MDJ	comp=Z,5µm,4.2s					
MDJ	comp=Z,64µm,20.3s		LR	LR		
MDJ	comp=Z,38µm,21.9s		LR	LR		
MDJ	comp=Z,100µm,25.5s		LR	LR		
MDJ	Mudanjiang	48.53 352	eP	P	04 51 12.9	+0.6
FOZ	Fox Glacier	48.60 150	eP	P	04 51 12.7	-0.1
RAO	Raoul Island	48.63 127	P	P	04 51 12.4	-1.0
KARZ	Kaharoa	48.69 140	P	P	04 51 14.9	+1.2
NGRZ	Ngonotaha	48.70 140	P	P	04 51 15.3	+1.5
WATZ	Wairara	48.77 141	P	P	04 51 16.7	+2.4
DCZ	Deep Cove	48.77 153	eP	P	04 51 14.7	+0.6
DCZ	Deep Cove	48.77 153	P	P	04 51 15.2	+1.0
DCZ			S	S	04 58 11.5	-0.5
DCZ			P	P	04 51 16.0	+1.4
DCZ			P	P	04 51 15.9	+1.2
DCZ			P	P	04 51 17.4	+2.2
DCZ			P	P	04 51 19.3	+3.9
DCZ			P	P	04 51 17.1	+1.6
DCZ			P	P	04 51 19.1	+3.5
DCZ			P	P	04 51 17.5	+1.5
DCZ			P	P	04 51 15.7	-0.5
EDRZ	Edgecumbe	49.06 140	P	P	04 51 17.4	+0.8
PYZ	Puysegur Point	49.11 154	eP	P	04 51 16.3	-0.5
PYZ	Puysegur Point	49.11 154	P	P	04 51 19.2	+2.5
PYZ	Puysegur Point	49.11 154	S	S	04 58 13.8	-2.9
PYZ	Puysegur Point	49.11 154	eP	P	04 51 16.9	-0.1
MLZ	Mavora Lakes	49.14 153	eP	P	04 51 17.4	+0.4
MLZ	Mavora Lakes	49.14 153	P	P	04 58 18.0	+0.8
MLZ	Mavora Lakes	49.16 151	eP	P	04 51 17.2	+0.1
WKZ	Wanaka	49.16 151	P	P	04 51 18.7	+1.6
WKZ	Wanaka	49.16 151	P	P	04 58 15.7	-1.7
MOVZ	Moawhango	49.20 142	P	P	04 51 18.3	+0.7
KUR	Kuril'sk	49.21	9diP	P	04 51 17.8	+0.4
KUR			e	e	04 52 42.2	
KUR			i	i	04 53 14.4	
KUR			sS	sS	04 58 19.0	+1.0
KUR			eSS	eSS	05 03 16.9	
KUR	comp=Z,23µm,13.2s					
KUR	comp=N,20µm,14.4s					
KUR	comp=E,817nm,1.4s					
KUR	comp=Z,2µm,1.4s					
KUR	comp=N,586nm,1.7s					
LTZ	Lake Taylor	49.35 147	eP	P	04 51 18.1	-0.6
RPZ	Rata Peaks	49.36 149	P	P	04 51 18.1	-0.6
RPZ	Rata Peaks	49.36 149	P	P	04 51 18.6	0.0
URZ	Urewera	49.39 140	eP	P	04 51 18.4	-0.6
LBZ	Lake Benmore	49.40 150	eP	P	04 51 18.6	-0.4
WHZ	Wether Hill Ro	49.46 153	eP	P	04 51 19.1	-0.3
WHZ	Wether Hill Ro	49.46 153	P	P	04 51 19.6	+0.2
WHZ	Wether Hill Ro	49.46 153	S	S	04 58 18.4	-3.2
BKZ	Black Stump Fm	49.52 141	eP	P	04 51 19.8	-0.3
EAZ	Earnsclough	49.59 152	P	P	04 51 21.0	+0.5
EAZ			S	S	04 58 19.6	-4.0
OXZ	Oxford	49.60 148	eP	P	04 51 19.3	-1.3
KNTN	Kanton	49.73 91	eP	P	04 51 22.1	+0.1
SNZO	South Karori	49.75 144	eP	P	04 51 20.7	-0.9
MXZ	Matakaoa Point	49.79 138	eP	P	04 51 21.9	-0.1
KHZ	Kahutara	49.80 146	eP	P	04 51 21.4	-0.6
CRLZ	Canterbury Lakes	50.08 148	eP	P	04 51 24.1	-0.1
ODZ	Otahua Downs	50.10 151	eP	P	04 51 23.2	-1.1
ODZ	Otahua Downs	50.10 151	P	P	04 51 25.4	+1.1
MOZ	MoQueen's Vall	50.19 148	eP	P	04 51 24.4	-0.5
BFZ	Birch Farm	50.27 143	eP	P	04 51 25.1	-0.5
TUZ	Tuapeka	50.28 152	P	P	04 51 26.2	+0.6
YSS	Yuzh-Sakhalins	50.35 4	eP	P	04 51 25.8	-0.2
YSS	Yuzh-Sakhalins	50.35 4	eP	P	04 51 25.5	-0.6
YSS	Yuzh-Sakhalins	50.35 4	ePP	ePP	04 51 40.9	-2.8
YSS	Yuzh-Sakhalins	50.35 4	eS	eS	04 53 19.2	
YSS	Yuzh-Sakhalins	50.35 4	eS	eS	04 58 33.6	-0.3
YSS	Yuzh-Sakhalins	50.35 4	ePS	ePS	04 58 44.3	-4.4
YSS	comp=Z,6µm,9.3s				</	

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SONM, RAMN, PALK, PEAOB, PETK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CASY, H08S2, H08S3, H08S1, DGAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KPKS, SATY, SATY, SATY, SATY, etc.







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2013 APR

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Bias, Elevation Bias, Azimuth Bias Error, Elevation Bias Error, Azimuth Bias Error, Elevation Bias Error. Includes stations like 109C Camp Elliot, GSC Goldstone, BBRC Big Bear Solar, etc.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Bias, Elevation Bias, Azimuth Bias Error, Elevation Bias Error, Azimuth Bias Error, Elevation Bias Error. Includes stations like DAG Danmarks Havn, DAE Danmarks Havn, GLA Glamis, etc.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Bias, Elevation Bias, Azimuth Bias Error, Elevation Bias Error, Azimuth Bias Error, Elevation Bias Error. Includes stations like LBTB Lobates, ARR Arges, KWP Kalwaria Pacia, etc.

AKN	comp=Z,16um,29.2s	IVMS_BB	IVMS_BB	05 45 43.4					
PSZ	Piszkesteto	111.45	ePdif	Pdif	04 57 05.4 +0.5				
PSZ	Piszkesteto	111.45	ePdif	Pdif	04 57 08.3 +3.5				
PSZ	Piszkesteto	111.45	iP	Pdif	04 57 08.3 +3.5				
N23A	Red Feather La	111.47	eP	PKIKP	05 01 03.2 0.0				
BSD	Bornholm Skovb	111.48	iP	Pdif	04 57 06.6 +1.9				
BSD	BSD				05 01 51.1				
BSD	comp=Z,56um,23.0s	111.48	eP	Pdif	04 57 06.6 +1.9				
BSD	BSD				05 01 51.1				
BSD	BSD				05 01 51.1				
S22A	4UR Ranch, Cre	111.55	P	PKIKP	05 01 03.5 0.0				
VAY	Valandovo	111.59	iP	Pdif	04 57 17.7 +12				
SKAR	Skarslia	111.67	eP	PKIKP	04 57 07.7 +2.2				
SKAR	SKAR				05 01 48.0 +2.8				
SKAR	SKAR				05 11 10.5 +1.2				
KONO	Kongsberg	111.71	ePdif	Pdif	04 57 06.9 +1.3				
KONO	KONO				05 01 46.5 +1.1				
KONO	KONO				05 07 38.0 -0.3				
KONO	KONO				05 11 12.9 +2.5				
KONO	KONO				05 47 15.0				
RAC	Raciborz	111.73	eP	Pdif	04 57 04.8 -1.1				
STIP	Stip	111.77	iP	Pdif	05 11 11.8 -7.7				
121A	Cookes Peak, D	111.82	P	PKIKP	05 01 03.5 -0.5				
OKC	Ostrava-Krasne	111.85	ePKIKP	PKIKP	05 01 03.8 +0.5				
OKC	OKC				05 11 12.9 +1.2				
OKC	OKC				05 11 12.9 +1.2				
OKC	OKC				05 11 12.9 +1.2				
OKC	OKC				05 11 12.9 +1.2				
SCO	Scoresbysund	111.88	iP	PKKpbc	05 12 08.0 +1.0				
VYHS	Yyhtne	111.92	eP	Pdif	04 57 09.0 +2.2				
VYHS	VYHS				05 01 04.8				
VYHS	VYHS				05 11 09.6				
VYHS	VYHS				05 11 09.6				
VYHS	VYHS				05 11 09.6				
RSD	Black Hills	111.94	eP	Pdif	04 57 09.0 +2.2				
RSD	RSD				05 01 04.8 +0.8				
RSD	RSD				05 11 58.8 +1.0				
RSD	RSD				05 01 04.8 +0.8				
RSD	RSD				05 01 03.2 -0.7				
ISCO	Idaho Springs	111.99	eP	PKIKP	05 01 06.1 +1.7				
ISCO	ISCO				05 01 03.7 -0.6				
BUD	Budapest	112.15	eP	PKIKP	05 01 05.1 +1.1				
HYA	Hoyanger	112.22	eP	PKIKP	05 01 50.2 +1.3				
HYA	HYA				05 11 16.4 +2.1				
MORC	Moravsky Berou	112.24	ePdif	Pdif	04 57 08.0 -0.2				
MORC	MORC				04 57 09.7 +1.4				
MORC	MORC				04 57 07.9 +1.4				
MORC	MORC				04 57 09.7 +1.4				
MORC	MORC				04 57 09.9 +1.6				
MORC	MORC				05 01 07.5 +3.4				
MORC	MORC				05 07 44.0 +3.0				
MORC	MORC				05 08 43.0				
MORC	MORC				05 11 15.7 +0.4				
Y22D	IRIS PASSCAL I	112.24	P	PKIKP	05 01 04.2 -0.6				
FOO	Flo	112.39	ePdif	Pdif	04 57 08.8 +0.3				
FOO	FOO				05 01 51.5 +1.4				
FOO	FOO				05 11 20.0				
FOO	FOO				05 49 22.1				
TASM	ASL Pad, Albuq	112.44	P	PKIKP	05 01 05.2 0.0				
TASM	TASM				05 01 05.4 +0.2				
ANMO	Albuquerque	112.44	ePdif	Pdif	04 57 10.6 +0.9				
ANMO	ANMO				05 01 06.0 +0.9				
ANMO	ANMO				05 01 07.4 +2.2				
ANMO	ANMO				05 01 05.2 0.0				
COP	Copenhagen	112.47	iP	Pdif	04 57 12.7 +3.7				
COP	COP				05 01 59.6				
COP	Copenhagen	112.47	eP	Pdif	04 57 12.7 +3.7				
JAVC	Veika Javorina	112.50	iP	Pdif	04 57 12.5 +3.0				
JAVC	JAVC				05 07 44.0 +2.5				
JAVC	JAVC				05 11 19.0 +1.2				
JAVC	JAVC				05 01 04.8 -0.7				
KSP	Ksiaz	112.56	ePdif	PKIKP	04 57 11.4 +1.8				
KSP	KSP				05 07 42.5 +0.4				
KSP	KSP				05 08 50.2 +2.2				
KSP	KSP				05 11 18.3				
KSP	KSP				05 48 23.0				
KSP	KSP				04 57 11.4 +1.8				
KSP	KSP				05 07 42.5				
KSP	KSP				05 11 18.3				
SDCO	Great Sand Dun	112.57	P	PKIKP	05 01 07.5 +2.0				
SDCO	SDCO				05 01 05.6 +0.2				
KRLC	Kraliky	112.57	ePKIKP	PKIKP	05 01 08.4 +3.6				
KRLC	KRLC				05 11 18.9 +0.5				
KRLC	KRLC				05 11 18.9 +0.5				
KRLC	KRLC				05 01 08.3 +3.2				
DPC	Dobruska-Polom	112.74	eP	PKIKP	04 57 11.4 +1.8				
DPC	DPC				05 01 45.4				
DPC	DPC				05 11 19.8 0.0				
DPC	DPC				04 57 12.3 +1.8				
DPC	DPC				04 57 34.6				
DPC	DPC				05 07 45.4 +3.2				
DPC	DPC				05 07 45.4 +2.5				
DPC	DPC				05 11 19.8 0.0				
DPC	DPC				05 53 40.0				
ODD1	Odda	112.80	ePdif	Pdif	04 57 11.2 +0.7				
ODD1	ODD1				05 11 24.1				
ODD1	ODD1				05 53 13.8				
MORH	Mirgy, Hungar	112.83	eP	PKIKP	05 01 05.4 +0.1				
UPC	Upe	112.85	eP	PKIKP	05 01 09.0 +3.8				
UPC	UPC				05 11 22.2 +1.3				
UPC	UPC				04 57 13.6 +2.7				
UPC	UPC				04 57 36.7				
UPC	UPC				05 01 09.0 +3.8				
UPC	UPC				05 02 23.7				
UPC	UPC				05 11 22.2 +1.3				
UPC	UPC				05 53 00.0				
MODS	Modra-Piesok	112.93	iP	Pdif	04 57 16.6 +5.3				
MODS	MODS				05 01 06.6				
MODS	MODS				05 07 44.8				
MODS	MODS				05 11 20.4				
MODS	MODS				04 57 16.6 +5.3				
MODS	MODS				05 01 06.6 +1.1				
MODS	MODS				05 02 18.1 +2.4				
HOMB	Homborsund	112.95	ePdif	Pdif	04 57 14.4 +3.2				

HOMB	HOMB								
HOMB	HOMB								
HOMB	HOMB								
VRAC	Vranov	112.99	iP	Pdif	04 57 12.9 +1.3				
VRAC	VRAC				05 12 05.5 +1.1				
VRAC	VRAC				04 57 12.9 +1.3				
VRAC	VRAC				04 57 13.7 +2.1				
VRAC	VRAC				05 07 45.6 +1.7				
VRAC	VRAC				05 08 47.7				
BER	Bergen	113.03	ePdif	Pdif	04 57 12.1 +0.6				
BER	BER				05 01 53.4 -1.3				
BER	BER				05 11 24.4 +2.7				
BER	BER				05 51 30.2				
BLSS	Blasjo	113.16	ePdif	Pdif	04 57 14.6 +2.5				
BLSS	BLSS				04 57 17.2				
BLSS	BLSS				05 02 04.0 +8.3				
BLSS	BLSS				05 11 30.4 -1.9				
BLSS	BLSS				05 17 37.9 +3.1				
BLSS	BLSS				05 50 14.1				
KRUC	Moravsky	113.20	iP	Pdif	04 57 14.8 +2.3				
KRUC	KRUC				05 01 09.6 +3.7				
KRUC	KRUC				05 07 47.3 +2.6				
KRUC	KRUC				05 08 47.3				
KRUC	KRUC				05 11 24.8 +0.7				
HAPS	Han Pijesak, BI	113.34	eP	PKIKP	05 01 05.6 -0.9				
SNART	Snartemo	113.47	eP	PKIKP	05 01 58.7 +0.8				
T25A	Trinidad	113.56	P	PKIKP	05 01 06.2 -1.1				
MDND	Maddock	113.58	P	PKIKP	05 01 07.0 +0.3				
MUD	Monsted U'grnd	113.64	iP	Pdif	04 57 17.4 +3.2				
MUD	MUD				05 02 07.1				
MUD	MUD				04 57 17.4 +3.2				
MUD	MUD				05 02 07.1				
PDG	Podgorica	113.65	eP	PKIKP	05 01 05.1 -1.9				
TREC	Trest	113.66	iP	Pdif	04 57 17.4 +2.8				
TREC	TREC				05 01 08.6				
TREC	TREC				05 11 29.0 +0.7				
TREC	TREC				05 11 29.0 +0.7				
TREC	TREC			</					



CAS	Ain Smara	125.11	313	P	PKIKP	05 01 31.5 +1.9
R45A	Skyler, Fairri	125.12	44	P	PKPdf	05 01 28.9 -0.3
VAL	Valentia	125.12	337	ePs	PKIKP	05 01 29.3 +0.2
VAL	Valentia	125.12	337	ePKP	PP	05 03 17.9 -0.1
VAL	Valentia			ePKS		05 12 48.7
VAL	Valentia			ePKS		05 01 28.3 -1.0
S46A	Carrier Mills	125.18	45	P	PKPdf	05 01 29.1 -0.3
S46A	Rosedale	125.23	43	P	PKPdf	05 01 33.6 +3.6
CTE1	Djebel Teoual	125.25	313	P	PKIKP	05 01 29.3 -0.3
GLAT	Glass	125.29	47	ePKPdf	PKIKP	05 01 29.1 +2.1
G007	Milladeo Hill,	125.31	151	ePKPdf	PKIKP	05 01 29.3 -0.2
LR7A	Sherwood	125.34	39	P	PKPdf	05 01 28.7 -0.6
E50A	Wahnapiite	125.34	32	P	PKPdf	05 01 28.8 -0.8
M47A	Cromwell	125.40	40	P	PKPdf	05 01 32.3 +2.2
HALT	Halls	125.40	48	ePKPdf	PKIKP	05 01 28.9 -0.8
Q46A	CEJHS Indians,	125.41	43	P	PKPdf	05 01 29.3 -0.5
T45A	Paduach	125.43	46	ePKPdf	PKIKP	05 01 29.3 -0.5
T45A	Paduach	125.43	46	ePKPdf	PKIKP	05 01 29.3 -0.5
DFRA	Djebel Bou Aff	125.43	313	P	PKIKP	05 01 33.0 +2.6
LSQJ	Lebel-sur-Quev	125.46	28	P	PKPdf	05 01 28.9 -0.6
J48A	Bridge Port	125.48	37	P	PKPdf	05 01 29.7 0.0
K48A	Perry	125.56	38	P	PKPdf	05 01 29.4 -0.5
UTMT	University of	125.57	47	ePKPdf	PKIKP	05 01 32.7 +2.2
N47A	Urbana	125.60	41	P	PKPdf	05 01 29.1 -1.0
O47A	Sheridan	125.61	41	P	PKPdf	05 01 29.7 -0.4
D51A	Lot 18 Range I	125.63	31	P	PKPdf	05 01 29.5 -0.4
TOBO	Tobermory, Bru	125.66	34	P	PKPdf	05 01 29.9 -0.1
I49A	Point Hope	125.69	36	P	PKPdf	05 01 29.9 -0.2
R46A	Gibson Southern	125.69	44	P	PKPdf	05 01 30.1 -0.2
USIN	University of	125.70	45	ePKPdf	PKIKP	05 01 30.1 -0.2
S46A	Don Dixon Farm	125.75	45	ePKPdf	PKIKP	05 01 30.0 -0.5
J49A	Marlette	125.83	37	P	PKPdf	05 01 29.8 -0.6
L48A	N Adams	125.84	39	P	PKPdf	05 01 29.9 -0.5
VLD0	Val d'Or	125.90	29	ePKPdf	PKIKP	05 01 29.8 -0.5
M48A	Edgerton	125.91	39	ePKPdf	PKIKP	05 01 33.2 +2.2
M48A	Edgerton	125.91	39	P	PKPdf	05 01 29.5 -1.1
CKHR	Kef el Ahmar	125.92	313	P	PKIKP	05 01 34.6 +3.2
OXF	Oxford	125.92	49	ePKPdf	PKIKP	05 01 30.5 -0.3
OXF	Oxford	125.92	49	ePKPdf	PKIKP	05 01 30.5 -0.3
OXF	Oxford	125.92	49	P	PKPdf	05 01 30.1 -0.7
P47A	Martinsville	125.93	42	P	PKPdf	05 01 30.7 0.0
SET	Seif	125.93	313	P	PKIKP	05 01 34.0 +2.7
VB1A	G1948 Merrick	125.93	32	P	PKPdf	05 01 29.9 -0.6
E5M5	Vicksburg	125.95	52	ePKPdf	PKIKP	05 01 30.9 0.0
VBMS	Vicksburg	125.95	52	P	PKPdf	05 01 30.7 -0.3
T46A	Princeton	125.96	46	P	PKPdf	05 01 30.9 +0.1
CMJG	Matias Romero	125.97	71	PKP	PKIKP	05 01 31.3 0.0
K49A	Clarkson	125.97	37	P	PKPdf	05 01 29.6 -1.1
CHGQ	Chibougama	126.02	26	P	PKPdf	05 01 29.8 -0.7
N48A	Decatur	126.04	40	P	PKPdf	05 01 30.5 -0.4
U46A	Springville	126.06	47	P	PKPdf	05 01 30.7 -0.4
Q47A	Bedord North L	126.09	43	P	PKPdf	05 01 30.4 -0.6
F51A	Arnesten	126.10	32	P	PKPdf	05 01 30.2 -0.6
AAM	Ann Arbor	126.12	38	ePKPdf	PKIKP	05 01 30.9 -0.1
AAM	Ann Arbor	126.12	38	P	PKPdf	05 01 29.9 -1.1
L49A	Milan	126.16	38	P	PKPdf	05 01 31.0 -0.1
D52A	ZEK Kipawa Sen	126.19	31	P	PKPdf	05 01 30.5 -0.5
BMRO	Merriville Lake	126.22	34	P	PKPdf	05 01 31.1 0.0
O48A	Farmland	126.27	41	P	PKPdf	05 01 30.5 -0.9
KLBO	Kilbear Provi	126.30	33	P	PKPdf	05 01 30.7 -0.5
BRCO	Bruce Peninsul	126.30	35	P	PKPdf	05 01 30.4 -0.8
BASO	Ashfield	126.31	35	P	PKPdf	05 01 30.4 -0.8
R47A	Wooly Knot Far	126.33	44	P	PKPdf	05 01 30.6 -0.9
V46A	Holladay	126.34	47	P	PKPdf	05 01 30.6 -1.0
M49A	Liberty Center	126.38	39	P	PKPdf	05 01 31.0 -0.5
WVT	Waverly	126.41	47	ePKPdf	PKIKP	05 01 31.8 +0.1
WVT	Waverly	126.41	47	P	PKPdf	05 01 31.2 -0.5
S47A	Hartford	126.42	45	P	PKPdf	05 01 30.5 -1.2
W46A	Michie	126.44	48	P	PKPdf	05 01 31.0 -0.8
F52A	Sundridge	126.50	32	P	PKPdf	05 01 31.3 -0.3
P48A	Milroy	126.50	42	P	PKPdf	05 01 31.3 -0.5
WCI	Wyandotte Cave	126.53	44	ePKPdf	PKIKP	05 01 31.9 0.0
WCI	Wyandotte Cave	126.53	44	P	PKPdf	05 01 31.2 -0.7
X46A	Booneville	126.53	49	P	PKPdf	05 01 31.2 -0.7
E52A	Mattawa	126.53	31	P	PKPdf	05 01 30.5 -1.1
T47A	Sharon Grove	126.54	45	ePKPdf	PKIKP	05 01 32.1 +0.1
T47A	Sharon Grove	126.54	45	P	PKPdf	05 01 31.6 -0.4
N49A	Columbus Grove	126.55	40	ePKPdf	PKIKP	05 01 30.6 -1.2
N49A	Columbus Grove	126.55	40	P	PKPdf	05 01 31.0 -0.8
BWLO	Walkerton	126.55	35	P	PKPdf	05 01 31.1 -0.7
Q48A	North Vernon	126.57	43	P	PKPdf	05 01 31.5 -0.5
U47A	Clarksville	126.66	46	P	PKPdf	05 01 31.8 -0.4
BUKO	Buck Lake	126.69	33	P	PKPdf	05 01 31.1 -0.8
R48A	Northridge Ran	126.73	43	P	PKPdf	05 01 31.6 -0.6
V47A	Nunnely	126.77	47	P	PKPdf	05 01 31.3 -1.1
L50A	Kingsville	126.79	38	P	PKPdf	05 01 31.9 -0.4
I51A	Listowel	126.81	35	P	PKPdf	05 01 31.7 -0.6
O49A	Covington	126.84	41	ePKPdf	PKIKP	05 01 31.0 -1.4
O49A	Covington	126.84	41	P	PKPdf	05 01 32.0 -0.5
ATAF	Djebel Tarif	126.89	313	P	PKIKP	05 01 37.0 +3.7
H52A	Wyevale	126.93	34	P	PKPdf	05 01 31.8 -0.7
P49A	Miami Univ. Ec	126.94	41	P	PKPdf	05 01 32.4 -0.2
D54A	Lac Fusel, La	126.95	29	P	PKPdf	05 01 31.8 -0.6
S48A	Wiedeman Farm,	126.97	44	P	PKPdf	05 01 32.2 -0.5
W47A	Westport	126.97	48	P	PKPdf	05 01 32.2 -0.6
E53A	Dumoine, Ponti	126.98	31	P	PKPdf	05 01 32.0 -0.5
T48A	Bowling Green	126.99	45	P	PKPdf	05 01 32.6 -0.2

M50A	Fremont	127.00	39	ePKPdf	PKIKP	05 01 32.8 +0.1
M50A	Fremont	127.00	39	P	PKPdf	05 01 32.3 -0.4
ELFO	Elginfield	127.01	36	P	PKPdf	05 01 31.9 -0.8
ALGO	Algonquin Park	127.06	31	P	PKPdf	05 01 32.0 -0.6
PLIO	Pelee Island,	127.06	38	P	PKPdf	05 01 32.0 -0.7
X47A	Russellville	127.09	48	P	PKPdf	05 01 31.8 -1.3
Q49A	Aurora	127.09	42	P	PKPdf	05 01 32.5 -0.5
U48A	Cassie Pea, Po	127.17	46	P	PKPdf	05 01 32.3 -0.8
K51A	Iona Station	127.18	36	P	PKPdf	05 01 32.4 -0.6
E54A	Lac Duplat, Po	127.18	30	P	PKPdf	05 01 32.2 -0.6
SADO	Sadowa	127.26	33	ePKPdf	PKIKP	05 01 32.4 -0.7
R49A	Shelbyville	127.26	43	P	PKPdf	05 01 32.6 -0.6
N50A	Nevalda	127.29	39	P	PKPdf	05 01 32.7 -0.6
G53A	Haliburton	127.31	32	P	PKPdf	05 01 32.5 -0.7
V48A	Smith Brothers	127.32	47	ePKPdf	PKIKP	05 01 32.3 -1.1
V48A	Smith Brothers	127.32	47	P	PKPdf	05 01 32.5 -1.0
O50A	Cable	127.33	40	P	PKPdf	05 01 32.3 -1.1
ADJB	Djebel Djouab	127.37	314	P	PKIKP	05 01 40.0 +5.8
S49A	Springfield	127.44	44	P	PKPdf	05 01 32.5 -1.1
J52A	Paris	127.47	35	P	PKPdf	05 01 32.8 -0.7
ACTO	Acton	127.48	35	P	PKPdf	05 01 33.5 -0.1
P50A	Jamestown	127.50	41	P	PKPdf	05 01 32.9 -0.8
W48A	Tulaski	127.50	47	P	PKPdf	05 01 33.1 -0.7
147A	Livingston	127.53	51	ePKPdf	PKIKP	05 01 34.1 +0.2
147A	Livingston	127.53	51	P	PKPdf	05 01 33.3 -0.6
M51A	Elyria	127.58	38	P	PKPdf	05 01 33.1 -0.7
T49A	Edmonton	127.60	45	ePKPdf	PKIKP	05 01 31.7 -2.3
T49A	Edmonton	127.60	45	P	PKPdf	05 01 33.4 -0.5
K52A	Tilsonburg	127.61	36	P	PKPdf	05 01 33.1 -0.7
I53A	Kortright Cn E	127.61	34	P	PKPdf	05 01 32.6 -1.2
PEMO	Pembroke	127.67	31	P	PKPdf	05 01 33.6 -0.2
ACSO	Alum Creek Sta	127.69	40	ePKPdf	PKIKP	05 01 33.6 -0.4
ACSO	Alum Creek Sta	127.69	40	P	PKPdf	05 01 33.4 -0.6
EMHD	Djebel Mahoud	127.69	314	P	PKIKP	05 01 44.5 +1.0
N51A	Ashland	127.69	39	ePKPdf	PKIKP	05 01 34.1 +0.1
N51A	Ashland	127.69	39	P	PKPdf	05 01 33.3 -0.7
U49A	Red Hill	127.71	45	P	PKPdf	05 01 33.9 -0.3
X48A	Hartselle	127.72	48	ePKPdf	PKIKP	05 01 33.7 -0.6
X48A	Hartselle	127.72	48	P	PKPdf	05 01 33.4 -0.9
BANO	Barroff	127.75	32	P	PKPdf	05 01 33.6 -0.4
Q50A	Georgetown	127.78	42	P	PKPdf	05 01 33.8 -0.5
PKRO	Pickering	127.81	34	P	PKPdf	05 01 33.6 -0.5
R50A	Paris	127.84	43	P	PKPdf	05 01 33.9 -0.5
Y48A	Jasper	127.86	49	P	PKPdf	05 01 33.8 -0.7
TORO	Toronto-Lesli	127.88	34	P	PKPdf	05 01 33.7 -0.5
TYNO	Tyneside	127.91	35	P	PKPdf	05 01 33.6 -0.7
M52A	Chesterland	127.97	38	P	PKPdf	05 01 33.7 -0.8
V49A	McMinnville	127.97	46	P	PKPdf	05 01 33.4 -1.3
O51A	Pataskani	127.98	40	P	PKPdf	05 01 34.1 -0.5
W49A	Belvidere	128.00	47	P	PKPdf	05 01 33.5 -1.3
F55A	Otter Lake	128.02	30	P	PKPdf	05 01 33.6 -0.8
P51A	Williamsport	128.05	41	P	PKPdf	05 01 34.1 -0.6
DRCO	Darlington Wes	128.06	34	P	PKPdf	05 01 34.2 -0.4
DRCO	St. Marys Ceme	128.07	34	P	PKPdf	05 01 34.3 -0.3
148A	Greensboro	128.08	50	P	PKPdf	05 01 34.1 -0.9
S50A	Richmond	128.10	43	P	PKPdf	05 01 33.9 -1.0
Q51A	Peebles	128.11	41	P	PKPdf	05 01 34.2 -0.7
T50A	Nazareth	128.12	44	P	PKPdf	05 01 34.4 -0.6
N52A	McGinn's Farm,	128.18	39	P	PKPdf	05 01 34.4 -0.6
PLVO	Plevna	128.19	32	ePKPdf	PKIKP	05 01 35.0 +0.1
PLVO	Plevna	128.19	32	P	PKPdf	05 01 34.1 -0.8
SWET	Sewanee	128.20	47	ePKPdf	PKIKP	05 01 35.0 -0.2
WLVO	Wesleyville	128.21	33	P	PKPdf	05 01 34.5 -0.4
G55A	Calabogie	128.23	31	P	PKPdf	05 01 34.5 -0.4
X49A	Woodville	128.23	48	P	PKPdf	05 01 34.5 -0.7
STCO	Saint Catharin	128.24	35	P	PKPdf	05 01 34.7 -0.2
DELO	Deloro Mine	128.25	32	P	PKPdf	05 01 34.2 -0.7
R51A	Hillboro	128.32	42	P	PKPdf	05 01 34.7 -0.7
LRAL	Lakeview Retre	128.36	50	ePKPdf	PKIKP	05 01 35.8 +0.2
LRAL	Lakeview Retre	128.36	50	P	PKPdf	05 01 35.3 -0.2
L53A	Girard	128.38	37	P	PKPdf	05 01 34.9 -0.5
I55A	Frankford	128.41	33	P	PKPdf	05 01 34.4 -0.9
U50A	Jamestown	128.42	45	P	PKPdf	05 01 35.4 -0.2
M53A	WI Miller and	128.44	37	P	PKPdf	05 01 35.0 -0.5
ERPA	Erie	128.44	36	ePKPdf	PKIKP	05 01 35.4 0.0
ERPA	Erie	128.44	36	P	PKPdf	05 01 34.8 -0.6
Y49A	Blount Mountai	128.45	49	P	PKPdf	05 01 34.6 -1.1
H55A	Tweed	128.46	32	P	PKPdf	05

6d 4h

2013 APR

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Blue Knob Stat, Estanollee, SONS-CA Array, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like Hazlehurst, Stateville, Corbin Frederi, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like IFR Ifrane, MDT Midett, DWPC Disney Wildern, etc.

Table with columns: PRAC, Prado, 146.71, 89j, eP, PKPpdf, 05 02 08.5 -1.2, SVB, Belmont, 158.21, 62, eP, PKPab, 05 03 02.2 +1.6, etc.

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time, Res, etc. Includes entries like ITBZ Tabriz, ORD Ordubad, IMRD Marand, etc.

Table with columns: YKA, Yellowknife Ar, 81.80, 28, P, 05 46 05.2 +1.4, FINES, Finess Array B, 90.89, 335, P, 05 46 46.6 -1.9, etc.







Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations like Haines Junction, Noril'sk, Inuvik, etc.

ISCJB 06:07:14.0.1.1.3, 14.775S:0.08:166.9E:0.2, h67km, mb3.6/5, Error ellipse: s-maj=31.3km s-min=11.8km az=177.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like DZM, STKA, WRA, etc.

SJA 06:07:10.34:0.4.0.23:33S:69.34W, h87km, 4km, ML2.3, MW3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like PB15, PB16, etc.

ISCJB 06:07:10.35:0.4.0.23:36S:0.04:69.35W, h87km, 9km, Error ellipse: s-maj=10.5km s-min=7.0km az=174.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like PB10, PB04, etc.

ISK 06:07:15:17.8, 38.64N:43.22E, h20km, ML2.3/4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like VANB, VANV, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations like POND, BMAS, etc.

ISCJB 06:07:14.0.1.1.3, 14.775S:0.08:166.9E:0.2, h67km, mb3.6/5, Error ellipse: s-maj=31.3km s-min=11.8km az=177.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like DZM, STKA, WRA, etc.

SJA 06:07:10.34:0.4.0.23:33S:69.34W, h87km, 4km, ML2.3, MW3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like PB15, PB16, etc.

ISCJB 06:07:10.35:0.4.0.23:36S:0.04:69.35W, h87km, 9km, Error ellipse: s-maj=10.5km s-min=7.0km az=174.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like PB10, PB04, etc.

ISK 06:07:15:17.8, 38.64N:43.22E, h20km, ML2.3/4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other technical details for stations like VANB, VANV, etc.











Table of station data for the left column, including station names like ZEK Kipawa Sen, Champion, Kanab, etc., and their associated coordinates and status.

Table of station data for the middle column, including station names like Fort Rock, OR, Umpqua Nationa, etc., and their associated coordinates and status.

Table of station data for the right column, including station names like mb4.1/23, Error ellipse, etc., and their associated coordinates and status.







Table with columns: Code, Station Name, Az, AzT, Phase ID, Time Res, h m s, ISC. Includes stations like DHY, MBAR, TOCS, TOC4, TOA3, TOB3, TOA2, TOC3, TOC7, TOC2, TOC1, RND, TRF, CAST, EGAK, NAI, HDA, KMBO, ILAR, PRP, MLY, INK, ANM, TOLK, TAM, FURI, CMAR, ATD, SIMRM, ESDC, CD2, HHC, HHC, HHC, HHC, KEST, SSB, CLF, TIXI, ESK, BNI, GTA, SENIN, DOU, UCC, SONA, SONM, BCLA, DAVA, FETA, RETA, SOTA, MQTA, WTTA, WATA, ABTA, MYKA, KBA.

Table with columns: Code, Station Name, Az, AzT, Phase ID, Time Res, h m s, ISC. Includes stations like OBKA, KBS, SOKA, MOA, GEC2, GEC3, GERES, SPAA, SPITS, CONA, CLL, BRG, RGN, VYHS, NOA, KBL, BRTR, BR10, MK32, MK33, MKAR, AAK, AKASG, AKASG, AKKB, ZALV, ZALV, ZAA1, ZAA1, ZAA1, KZB, KURBB, BVAR.

NEIC 06 10:31:09.0±0.15,455±74.79W, h54km, ML4.0(ARE), Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzT, Phase ID, Time Res, h m s, ISC. Includes stations like NNA, NNA, NNMCM, PB11, PB11, GO01, PB01, PB01, PB04, LVC, GO03, LCO, PTGA, SDV, BCIP, SVB, STVI, UCC.

IDC 06 10:48:48.8±1.6, 143°38'S-178.73°W, h0km, mb3.8/5, mb1 4.1/5, mb1mx3.7/44, mbtmp3.8/5, Error ellipse: s-maj=159.5km s-min=24.0km az=152.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzT, Phase ID, Time Res, h m s, ISC. Includes stations like STKA, WRA, ASAR, TXAR, PDAR.

KRSC 06 10:54:26.1±10.0, 55°34N-163°30E, h17km, 10km, ML3.7, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzT, Phase ID, Time Res, h m s, ISC. Includes stations like KBTR, KBTR, KBG, MKZ, BKI, SMKR, LGNR, TUMD, BDR, BZR, KZI, SRKR, KLY, TUMR, TUMR, KPT, KOZ, KOZ, ESO, SPN, SDLR, KRER, SMR, UJGL, AVH, KRMR, ASAK.

ISCJB 06 10:55:36.7±0.9, 4.68S:0.03:153:18E:0.03, h34km, 7km, s-min=1.176, MS4.7/32, Error ellipse: s-maj=4.4km s-min=5.42km az=140.7, MOS 06 10:55:37.1±1.2, 4.60S:153:17E, h33km, mb5.4/45, MS4.9/6, Error ellipse: s-maj=8.4km s-min=5.5km az=107.3, IDC 06 10:55:38.0±1.6, 4.66S:153:20E, h31km, 10km, mb4.8/31, mb1 4.8/33, mb1mx4.7/46, mbtmp5.0/33, ML3.6/2, MS4.4/12, MS1 4.4/12, ms1mx4.1/27, Error ellipse: s-maj=12.9km s-min=9.4km az=75.0, NEIC 06 10:55:41.0±0.6, 4.68S:153:15E, h58km, 5km, mb5.1/115, Error ellipse: s-maj=3.8km s-min=3.1km az=83.0, BUJ 06 10:55:41.3±4.1, 5S:153:23E, h66km, mb5.2/61, mb5.3/45, MS4.9/38, MS7.4/739, GCMT 06 10:55:41.0±0.3, 5.06S:0.03:153:06E:0.02, h53km, 1km, MW5.3/54, Moment Tensor Solution. s28,c36; s54,c82; Duration: 1s1 Moment tensor: Scale 10^17Nm; Mr:1.24±.09; Mw:1.11±.05; Mo:0.13±.05; Mo:0.44±.04; Mo:0.01±.04; Mo:0.16±.04; Best double couple: M1:26400±1017 Np1:83.000000; s56.000000; s78.000000; NP2:275.000000; s35.000000; s100.000000; Principal axes: T 1.3370, P1g78.000000, Azm329.000000; N -0.1460, P1g6.000000, Azm87.000000; P -1.1910, P1g10.000000, Azm178.000000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. DJA 06 10:55:41.7±0.7, 5.4±1.5°E, h82km, 8km, MS.2/22, mb5.2/26, mb5.5/12, MLV5.6/1, Mw(mB)5.0/12, ISC 06 10:55:40.2±0.5, 4.72S:0.04:153:19E:0.04, h51km, 3km, h52km; pp-P, n516, e123/584, mb5.1/180, MS4.7/33, 21C-SD, New Ireland region

Table with columns: Code, Station Name, Az, AzT, Phase ID, Time Res, h m s, ISC. Includes stations like RABL, MANU, PMG, PMG, PMG, HNR, HNR, HNR, HNR, PATS, PATS, COEN, COEN, MTSU, CTA, CTAO, CTAO, GUMO, GUMO, GUMO, GUMO, EIDS, EIDS, FAKI, FAKI, DZM, DZM, DZM, DZM, DZM, DZM, MARC, RMQ, ANA2, SIJ, MTN, MTN, WRAB, WRAB, WR1, WR1, WR1, WRA, WRA, ARMA, ARMA, KNRA, TNTI, TNTI, AS31, AS31, ASAR, ASAR, ASAR, SANI, SANI, MSVF, MSVF, MSVF, SGI, SOEI.









Y55A	Saluda	22.46	13	P	P	11 04 39.6 +0.5
X43A	Marvell	22.51 354	eP	P	P	11 04 39.8 +0.3
X43A	Marvell	22.51 354	P	P	P	11 04 39.9 +0.3
LTX	Lajitas	22.57 322	eP	P	P	11 04 40.9 +0.5
TXAR	Lajitas Array	22.57 322	eP	P	P	11 04 40.9 +0.5
TXAR	comp=Z,2.3nm,0.6s,baz=137,slow=9.7,SNR=167				PcP	11 08 34.3 +1.1
TXAR	comp=Z,1.5nm,1.0s,baz=132,slow=2.7,SNR=5.1				ScP	11 12 15.8 +7.2
TX31	Lajitas Ar. 61	22.57 322	eP	P	P	11 04 40.7 +0.3
TX31	comp=Z,2.3nm,0.7s					11 04 40.7 +0.5
X51A	Calhoun	22.57	7	eP	P	11 04 40.7 +0.4
X51A	Calhoun	22.57	7	P	P	11 04 40.5 +0.3
HODGE	Hodges	22.66	12	eP	P	11 04 42.2 +1.0
X53A	Estantollee	22.73	10	P	P	11 04 42.1 +0.2
X52A	Dahlonega	22.73	9	P	P	11 04 42.3 +0.3
X40A	Basin Creek Fa	22.76 350	eP	P	P	11 04 42.0 -0.2
X40A	Basin Creek Fa	22.76 350	P	P	P	11 04 42.4 +0.2
PLAL	Pickwick Lake	22.81 360	eP	P	P	11 04 42.1 -0.6
Y57A	Sumter	22.91	16	P	P	11 04 43.3 -0.4
JSC	Jenkinsville	22.93	14	eP	P	11 04 44.6 +0.6
X54A	Belton	22.94	12	P	P	11 04 44.5 +0.4
MIAR	Mount Ida	22.95 348	eP	P	P	11 04 44.5 +0.3
MIAR	Mount Ida	22.95 348	P	P	P	11 04 44.5 +0.3
UALR	University of	22.95 351	eP	P	P	11 04 44.5 +0.3
W46A	Michie	22.96 359	P	P	P	11 04 43.6 -0.8
W48A	Pulaski	22.98	2	P	P	11 04 44.5 0.0
W49A	Belvidere	23.00	4	P	P	11 04 44.6 -0.1
Y58A	Scranton	23.01	18	P	P	11 04 44.8 0.0
X55A	Gracelyn & Ava	23.02	13	P	P	11 04 45.4 +0.4
STVI	Saint Thomas	23.03	71	eP	P	11 04 43.8 -1.4
W47A	Westpoint	23.08	1	P	P	11 04 44.9 -0.7
CDVI	St. Croix	23.08	73	eP	P	11 04 44.8 -0.9
ABTX	Abilene, Hawle	23.11 334	eP	P	P	11 04 45.1 -0.8
ABTX	Abilene, Hawle	23.11 334	P	P	P	11 04 44.9 -1.0
SBTW	Sewanee	23.11	4	eP	P	11 04 45.9 0.0
W50A	Signal Mountain	23.15	5	eP	P	11 04 46.0 -0.3
W50A	Signal Mountain	23.15	5	P	P	11 04 44.9 -1.4
W51A	Cleveland	23.17	7	P	P	11 04 46.7 +0.3
X56A	White Oak	23.19	15	P	P	11 04 46.7 +0.1
W52A	Murphy	23.21	8	P	P	11 04 47.4 +0.5
BG3	Lake Jocassee	23.27	10	eP	P	11 04 48.6 +1.2
PAULI	Pauline	23.32	13	eP	P	11 04 48.5 +0.6
W41B	Gary Mavity, V	23.33 351	eP	P	P	11 04 48.3 +0.3
W41B	Gary Mavity, V	23.33 351	P	P	P	11 04 48.0 0.0
W53A	Cullowhee	23.40	10	P	P	11 04 49.4 +0.5
X57A	Johnson Farm,	23.41	16	P	P	11 04 48.4 -0.4
WHAR	Woolly Hollow	23.45 351	eP	P	P	11 04 48.7 -0.5
CPCT	Cooper Cave	23.48	7	eP	P	11 04 49.4 +0.1
W54A	Cherokee Point	23.50	12	P	P	11 04 50.6 +0.8
HBAR	Harrisburg	23.51 354	eP	P	P	11 04 49.6 -0.2
Y60A	Bolivia	23.57	21	P	P	11 04 50.5 +0.2
W48A	Smith Brothers	23.59	2	eP	P	11 04 49.1 -1.4
W48A	Smith Brothers	23.59	2	P	P	11 04 49.9 -0.6
W39A	Magazine	23.62 348	eP	P	P	11 04 51.4 +0.5
W39A	Magazine	23.62 348	P	P	P	11 04 51.1 +0.3
V46A	Holladay	23.63 360	P	P	P	11 04 49.6 -1.3
V50A	Pikeville	23.64	6	P	P	11 04 50.8 -0.2
V47A	Nunnally	23.66	1	P	P	11 04 50.1 -1.1
V49A	McMillanville	23.66	4	P	P	11 04 50.6 -0.7
X58A	Rowland	23.71	18	P	P	11 04 51.3 -0.4
KMSC	Kings Mountain	23.74	14	P	P	11 04 52.2 +0.2
KMSC	Kings Mountain	23.74	14	P	P	11 04 52.2 +0.2
HALT	Halls	23.77 357	eP	P	P	11 04 51.2 -1.0
TKL	Tuckaleechee C	23.78	8	P	P	11 04 52.5 +0.1
TKL	Tuckaleechee C	23.78	8	P	P	11 04 52.2 -0.2
TKL	Loudon	23.85	7	eP	P	11 04 52.8 -0.2
V51A	Loudon	23.85	7	P	P	11 04 53.0 0.0
GNAR	Gosnell	23.86 356	eP	P	P	11 04 52.5 -0.6
W56A	Indian Trail	23.91	15	P	P	11 04 53.7 +0.1
V53A	Saluda	23.95	10	eP	P	11 04 54.5 +0.5
V53A	Saluda	23.95	10	P	P	11 04 54.3 +0.3
WVT	Waverly	23.95	0	P	P	11 04 52.5 -1.4
WVT	Waverly	23.95	0	P	P	11 04 52.8 -1.2
V52A	Sevierville	23.99	9	eP	P	11 04 54.0 -0.3
V52A	Sevierville	23.99	9	P	P	11 04 54.4 0.0
W57A	Gilead	24.08	16	P	P	11 04 55.1 -0.1
GLAT	Glass	24.12 357	eP	P	P	11 04 54.6 -1.0
X60A	Albert Glenn T	24.17	20	P	P	11 04 55.7 -0.3
W58A	Raeford	24.18	18	P	P	11 04 55.9 -0.2
UTMT	University of	24.18 358	eP	P	P	11 04 55.4 -0.6
U46A	Springville	24.18 360	P	P	P	11 04 55.2 -0.9
V54A	Nebo	24.22	12	P	P	11 04 56.7 +0.2
U47A	Clarksville	24.27	1	P	P	11 04 55.4 -1.5
U48A	Cassie Pea, Po	24.37	3	P	P	11 04 56.7 -1.1
U44A	Portageville	24.38 357	P	P	P	11 04 57.4 -0.4

U50A	Jamestown	24.40	6	P	P	11 04 57.8 -0.4
U49A	Red Boiling Sp	24.41	4	P	P	11 04 57.6 -0.6
U41A	Viola	24.43 352	P	P	P	11 04 57.3 -1.1
V55A	Taylorville	24.45	13	P	P	11 04 58.6 +0.1
U51A	La Follette	24.46	8	P	P	11 04 58.6 -0.1
PARMO	Parma	24.54 356	eP	P	P	11 04 59.1 -0.3
U52A	The Hill	24.57	9	P	P	11 04 59.4 -0.2
V56A	Mocksville	24.57	15	P	P	11 04 59.9 +0.2
U40A	Felville	24.58 350	P	P	P	11 04 59.4 -0.4
WMOK	Wichita Mounta	24.62 338	eP	P	P	11 04 59.3 -0.8
WMOK	Wichita Mounta	24.62 338	P	P	P	11 04 59.7 -0.5
U53A	Fall Branch	24.67	10	P	P	11 05 00.5 0.0
TZTN	Tazewell	24.69	8	eP	P	11 05 00.7 0.0
TZTN	Tazewell	24.69	8	P	P	11 05 00.5 -0.2
W60A	Pink Hill	24.69	20	P	P	11 05 00.8 0.0
PBMO	Poplar Bluff	24.70 355	eP	P	P	11 04 59.6 -1.2
HHAR	Hobbs	24.71 348	eP	P	P	11 05 00.3 -0.6
TUL1	Leonard	24.77 345	eP	P	P	11 05 01.0 -0.5
TUL1	Leonard	24.77 345	P	P	P	11 05 00.6 -0.9
CNNC	Cliffs of the	24.80	20	eP	P	11 05 01.6 -0.1
CNNC	Cliffs of the	24.80	20	P	P	11 05 01.2 -0.5
T47A	Sharon Grove	24.82	2	eP	P	11 05 00.6 -1.3
T47A	Sharon Grove	24.82	2	P	P	11 05 00.9 -1.0
V57A	Coltrane Farms	24.83	16	P	P	11 05 01.9 -0.2
T45A	Paoli	24.85 359	eP	P	P	11 05 01.2 -1.0
T45A	Paduach	24.85 359	P	P	P	11 05 01.3 -0.8
T46A	Princeton	24.86	0	P	P	11 05 01.1 -1.2
U54A	Nelsons Funny	24.96	12	P	P	11 05 03.1 -0.2
T48A	Bowling Green	24.97	3	P	P	11 05 02.7 -0.6
T43A	Greenville	25.00 356	P	P	P	11 05 02.4 -1.1
T50A	Nancy	25.00	6	P	P	11 05 02.7 -0.8
T49A	Edmonton	25.02	5	eP	P	11 05 03.1 -0.6
T49A	Edmonton	25.02	5	P	P	11 05 02.7 -1.0
T51A	Grand	25.05	8	P	P	11 05 03.8 -0.1
GDLL	Guadalupe Moun	25.09 326	eP	P	P	11 05 05.0 +0.4
U55A	TA2, Sparta	25.11	13	P	P	11 05 03.9 -0.7
V59A	Middlesex	25.17	19	P	P	11 05 04.0 -1.0
T53A	Wise	25.28	10	P	P	11 05 05.8 -0.3
MNTX	Cornudas Moun	25.30 323	eP	P	P	11 05 06.1 -0.3
MNTX	Cornudas Moun	25.30 323	P	P	P	11 05 06.0 -0.3
T52A	Halle	25.32	9	P	P	11 05 05.8 -0.7
S47A	Hartford	25.43	2	P	P	11 05 06.2 -1.2
CPRX	Cap Rock	25.46 328	eP	P	P	11 05 08.6 +0.7
S43A	Full Ridge	25.46 356	P	P	P	11 05 06.4 -1.3
S45A	Carrier Mills	25.50 359	P	P	P	11 05 07.0 -1.1
S46A	Don Dixon Farm	25.51	0	P	P	11 05 06.8 -1.3
T54A	Tazewell	25.53	12	P	P	11 05 08.0 -0.4
S48A	Wiedeman Farm,	25.54	3	P	P	11 05 06.9 -1.5
S44A	Carbondale	25.54 358	P	P	P	11 05 07.6 -0.8
SIUC	Southern Ilin	25.56 358	eP	P	P	11 05 07.6 -1.0
S41A	Jillo Farm	25.64 353	P	P	P	11 05 08.2 -1.1
MSTX	Muleshoe	25.66 331	eP	P	P	11 05 09.5 -0.1
MSTX	Muleshoe	25.66 331	P	P	P	11 05 09.1 -0.6
U58A	Oxford	25.66	18	P	P	11 05 08.8 -0.7
S49A	Springfield	25.72	5	P	P	11 05 08.8 -1.2
S42A	Caledonia	25.72 355	P	P	P	11 05 08.3 -1.8
T55A	Pulaski	25.75	13	P	P	11 05 10.7 +0.2
S51A	Beattyville	25.76	8	eP	P	11 05 10.5 +0.1
S51A	Beattyville	25.76	8	P	P	11 05 09.3 -1.0
USIN	University of	25.79	0	eP	P	11 05 09.6 -1.1
T56A	Rocky Mt	25.85	15	P	P	11 05 11.6 +0.3
U59A	Littleton	25.85	19	P	P	11 05 11.6 +0.3
FVM	French Village	25.90 356	eP	P	P	11 05 10.3 -1.4
AMTX	Amarillo	25.91 333	eP	P	P	11 05 11.0 -1.0
AMTX	Amarillo	25.91 333	P	P	P	11 05 12.1 +0.1
BLA	Blacksburg	25.93	14	P	P	11 05 11.6 -0.4
BLA	Blacksburg	25.93	14	P	P	11 05 12.2 +0.2
T57A	Hurt	26.02	16	P	P	11 05 12.8 0.0
S53A	Williamson	26.03	11	P	P	11 05 12.7 -0.3
R46A	Gibson Southern	26.04	1	P	P	11 05 11.9 -1.0
CCM	Cathedral Cave	26.04 354	eP	P	P	11 05 12.0 -1.0
CCM	Cathedral Cave	26.04 354	P	P	P	11 05 12.2 -0.8
R44A	Waltonville	26.09 358	P	P	P	11 05 12.3 -1.1
WCI	Wyandotte Cave	26.09	3	eP	P	11 05 12.4 -1.0
WCI	Wyandotte Cave	26.09	3	P	P	11 05 12.7 -0.7
R45A	Skyler, Fairir	26.11 359	P	P	P	11 05 12.6 -1.0
R47A	Wooly Knot Far	26.15	3	P	P	11 05 12.5 -1.4
T58A	Grand View Arc	26.17	17	P	P	11 05 13.6 -0.5
R42A	Luebbering	26.23 355	P	P	P	11 05 13.5 -1.1
R49A	Shelbyville	26.23	5	P	P	11 05 13.4 -1.3
R48A	Northridge Ran	26.29	4	P	P	11 05 14.0 -1.1
R41A	Rosebud	26.30 354	P	P	P	11 05 14.1 -1.2
R50A	Paris	26.30	6	P	P	11 05 14.5 -0.8
R51A	Hillsboro	26.41	8	P	P	11 05 15.8 -0.5
S55A	Lewisburg	26.45	13	P	P	11 05 16.8 +0.1

T59A	Double "B" Far	26.49	19	P	P	11 05 16.5 -0.6
SLM	Saint Louis	26.54 356	eP	P	P	11 05 16.4 -1.0
R52A	Cattlettsburg	26.58	9	P	P	11 05 17.2 -0.6
R53A	Hurricane	26.69	11	P	P	11 05 18.4 -0.4
Q45A	Warren Harvey	26.71 360	P	P	P	11 05 18.1 -0.9
R54A	Victor	26.73	12	P	P	11 05 18.6 -0.6
Q44A	Meyer Farm, Va	26.74 358	eP	P	P	11 05 18.1 -1.2
Q44A	Meyer Farm, Va	26.74 358	P	P	P	11 05 18.0 -1.2
Q47A	Bedonk North L	26.79	3	P	P	11 05 18.5 -1.2
Q48A	North Vernon	26.82	4	P	P	11 05 19.1 -0.9
Q42A	Golden Eagle	26.83 356	P	P	P	11 05 19.3 -0

6d 10h

N49A	comp=Z,22nm,0.9s	28.93	6	P	P	11 05 37.5	-1.3
T25A	Trinidad	29.01	332	eP	P	11 05 40.2	+0.4
T25A	Trinidad	29.01	332	P	P	11 05 40.5	+0.6
TUC	Tucson	29.09	317	P	P	11 05 40.0	-0.4
N52A	McGinn's Farm,	29.15	10	P	P	11 05 39.6	-1.2
M47A	Cromwell	29.25	4	P	P	11 05 40.0	-1.6
M46A	Old House Fiel	29.26	2	P	P	11 05 40.2	-1.5
M43A	Waltham Townsh	29.27	358	P	P	11 05 40.7	-1.1
M41A	Milan	29.28	356	P	P	11 05 40.9	-1.1
N53A	Lisbon	29.30	11	P	P	11 05 41.4	-0.7
M42A	Sheffield	29.31	357	P	P	11 05 40.9	-1.3
M40A	Post Highland	29.39	355	P	P	11 05 41.6	-1.3
M49A	Liberty Center	29.50	6	P	P	11 05 42.6	-1.2
M39A	Webster	29.53	354	P	P	11 05 43.4	-0.7
M50A	Fremont	29.53	7	P	P	11 05 43.4	-0.8
N54A	Moraine State	29.61	12	eP	P	11 05 44.3	-0.6
N54A	Moraine State	29.61	12	P	P	11 05 44.3	-0.6
N55A	Marion Center	29.66	14	P	P	11 05 44.8	-0.6
PAGS	Pennsylvania G	29.74	17	eP	P	11 05 45.8	-0.2
SSPA	Standing Stone	29.80	16	eP	P	11 05 46.4	-0.1
SSPA	Standing Stone	29.80	16	P	P	11 05 46.0	-0.6
KSCO	Kaye Shedlock'	29.84	337	eP	P	11 05 47.2	+0.1
KSCO	Kaye Shedlock'	29.84	337	P	P	11 05 47.0	0.0
L46A	Eue Claire	29.86	2	P	P	11 05 44.7	-2.3
L48A	N Adams	29.92	5	P	P	11 05 45.8	-1.8
M53A	WI Miller and	29.94	11	P	P	11 05 47.1	-0.7
L41A	Preston	29.97	356	P	P	11 05 46.2	-1.8
X18A	Snowflake	30.01	322	eP	P	11 05 49.9	+1.2
L43A	Garden Prairie	30.01	359	P	P	11 05 46.7	-1.7
SDCO	Great Sand Dun	30.01	331	eP	P	11 05 49.8	+1.0
SDCO	Great Sand Dun	30.01	331	P	P	11 05 49.4	+0.6
L40A	Anamosa	30.02	355	eP	P	11 05 46.9	-1.5
L40A	Anamosa	30.02	355	P	P	11 05 47.0	-1.4
SCIA	State Center	30.08	352	eP	P	11 05 48.4	-0.7
SCIA	State Center	30.08	352	P	P	11 05 48.3	-0.7
L49A	Milan	30.15	6	P	P	11 05 48.4	-1.2
L39A	Vinton	30.15	354	P	P	11 05 48.7	-0.9
L50A	Kingsville	30.19	8	P	P	11 05 49.2	-0.8
M54A	Oil Creek Stat	30.21	12	eP	P	11 05 49.6	-0.6
M54A	Oil Creek Stat	30.21	12	P	P	11 05 49.6	-0.6
AAM	Ann Arbor	30.35	6	eP	P	11 05 50.3	-1.1
AAM	Ann Arbor	30.35	6	P	P	11 05 50.4	-1.0
M55A	Ridgway	30.37	14	P	P	11 05 50.7	-0.9
K41A	Shullsburg	30.49	357	P	P	11 05 51.3	-1.3
L53A	Girard	30.52	11	P	P	11 05 52.8	-0.1
K46A	Dorr	30.56	3	P	P	11 05 51.4	-1.8
BGNE	Belgrade	30.56	345	eP	P	11 05 52.7	-0.6
BGNE	Belgrade	30.56	345	P	P	11 05 53.0	-0.3
K47A	Vermontville	30.59	4	P	P	11 05 51.5	-2.1
K42A	Prairie Point,	30.62	358	P	P	11 05 52.2	-1.6
K40A	Colesburg	30.64	355	P	P	11 05 52.3	-1.6
S22A	4UR Ranch, Cre	30.65	330	eP	P	11 05 55.3	+0.9
S22A	4UR Ranch, Cre	30.65	330	P	P	11 05 55.4	+0.9
N59A	State Game Lan	30.66	18	P	P	11 05 54.6	+0.4
K39A	Oelwein	30.71	354	P	P	11 05 53.0	-1.6
JFWS	Jewell Farm	30.80	357	eP	P	11 05 54.1	-1.2
JFWS	Jewell Farm	30.80	357	P	P	11 05 54.0	-1.3
K48A	Perry	30.80	5	P	P	11 05 53.5	-1.9
K49A	Clarkson	30.85	6	P	P	11 05 54.3	-1.5
X16A	Lo Mia Camp, P	30.85	320	eP	P	11 05 55.8	-0.4
MVCO	Mesa Verde	31.09	327	eP	P	11 06 00.1	+1.8
L55A	Hinsdale	31.12	14	P	P	11 05 57.0	-1.3
J42A	Columbus	31.15	358	P	P	11 05 56.6	-1.8
J47A	Sumner	31.17	4	P	P	11 05 56.7	-1.9
J41A	Loganville	31.23	357	P	P	11 05 57.8	-1.3
J40A	Soldiers Grove	31.31	356	P	P	11 05 58.0	-1.8
J39A	Decorah	31.32	355	P	P	11 05 58.0	-2.0
J48A	Bridge Port	31.32	6	P	P	11 05 58.0	-1.9
J49A	Marlette	31.45	7	P	P	11 05 59.6	-1.4
WUAZ	Wupatki	31.53	322	eP	P	11 06 00.8	-1.4
TYNO	Tyneside	31.69	11	P	P	11 06 01.8	-1.5
I43A	Langenfeld Bro	31.70	360	P	P	11 06 01.5	-1.7
I42A	Draeger Farm,	31.72	359	eP	P	11 06 02.3	-1.1
I42A	Draeger Farm,	31.72	359	P	P	11 06 01.9	-1.5
ISCO	Mesa Verde	31.73	334	eP	P	11 06 04.7	+0.7
ISCO	Idaho Springs	31.73	334	P	P	11 06 04.1	+0.1
BINY	Binghamton	31.77	17	P	P	11 06 03.3	-0.7
I40A	Norwalk	31.79	356	P	P	11 06 02.3	-1.8
I39A	Houston	31.82	355	eP	P	11 06 02.5	-1.9
I39A	Houston	31.82	355	P	P	11 06 02.5	-1.9
I46A	Reed City	31.83	3	P	P	11 06 02.2	-2.2
SMCO	Snowmass	31.85	331	eP	P	11 06 05.1	0.0
SMCO	Snowmass	31.85	331	P	P	11 06 05.1	+2.5
I45A	Fountain	31.89	2	eP	P	11 06 03.1	-1.8

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I41A	Arkdale	31.92	357	eP	P	11 06 03.5	-1.6
I41A	Arkdale	31.92	357	P	P	11 06 03.6	-1.6
I47A	Gladwin	31.97	5	P	P	11 06 03.8	-1.8
I49A	Point Hope	32.06	7	P	P	11 06 05.5	-0.9
J54A	Appleton	32.12	13	P	P	11 06 06.4	-0.5
ACTO	Acton	32.15	11	P	P	11 06 06.4	-0.9
GLA	Glamis	32.27	315	P	P	11 06 06.6	-1.9
H43A	Windswept, Lux	32.28	0	P	P	11 06 06.4	-2.0
H42A	Shiocton	32.33	359	eP	P	11 06 07.2	-1.6
H42A	Shiocton	32.33	359	P	P	11 06 06.8	-1.9
ECSD	EROS Data Cent	32.43	348	eP	P	11 06 08.5	-1.2
ECSD	EROS Data Cent	32.43	348	P	P	11 06 08.2	-1.5
H46A	Fife Lake	32.44	4	P	P	11 06 07.5	-2.3
H41A	Junction City	32.47	358	eP	P	11 06 08.6	-1.4
H41A	Junction City	32.47	358	P	P	11 06 08.2	-1.8
PDMC	Parker Dam,Lak	32.53	317	P	P	11 06 10.9	+0.2
BRCO	Bruce Peninsul	32.54	9	P	P	11 06 09.6	-1.1
H39A	Augusta	32.62	356	P	P	11 06 09.8	-1.6
DRCO	Darlington Wes	32.67	12	P	P	11 06 11.2	-0.6
DRCO	St. Marys Ceme	32.68	12	P	P	11 06 11.2	-0.6
H38A	Malin Rock	32.70	354	P	P	11 06 10.3	-1.8
H48A	Harrisville	32.76	6	P	P	11 06 11.4	-1.1
N23A	Red Feather La	32.78	334	eP	P	11 06 13.6	+0.5
N23A	Red Feather La	32.78	334	P	P	11 06 13.7	+0.5
WLVO	Wesleyville	32.79	13	P	P	11 06 12.5	-0.2
W13A	Hualapai Mount	32.84	319	eP	P	11 06 14.1	+0.4
G45A	Suttons Bay	32.91	3	P	P	11 06 11.6	-2.3
TRY	Troy	32.97	20	P	P	11 06 14.8	+0.4
G42A	Mountain	33.06	359	eP	P	11 06 12.9	-2.3
G42A	Mountain	33.06	359	P	P	11 06 12.1	-3.1
G40A	Rib Lake	33.14	357	eP	P	11 06 13.9	-2.0
G40A	Rib Lake	33.14	357	P	P	11 06 13.9	-2.0
G38A	Ridgeland	33.15	355	P	P	11 06 14.0	-2.0
H52A	Wyevale	33.19	11	P	P	11 06 15.1	-1.2
O20A	White River Ci	33.20	331	eP	P	11 06 18.6	+1.8
O20A	White River Ci	33.20	331	P	P	11 06 18.6	+1.8
G39A	Holcombe	33.22	356	P	P	11 06 14.8	-1.8
I55A	Frankford	33.23	14	P	P	11 06 14.6	-2.0
G46A	Petoseky	33.24	4	P	P	11 06 14.1	-2.6
SPMN	Marine on St.	33.30	354	eP	P	11 06 15.4	-1.9
SPMN	Marine on St.	33.30	354	P	P	11 06 15.3	-1.9
SADO	Sadowa	33.45	11	P	P	11 06 17.1	-1.4
SADO	Sadowa	33.45	11	eP	P	11 06 17.1	-1.4
F45A	CMU Biological	33.56	3	P	P	11 06 17.9	-1.6
F41A	Three Lakes	33.57	359	eP	P	11 06 17.2	-2.4
F41A	Three Lakes	33.57	359	P	P	11 06 18.0	-1.7
SRU	San Rafael Swe	33.57	327	eP	P	11 06 20.4	+0.4
SUSD	Mill	33.62	346	P	P	11 06 19.2	-0.9
LDFC	Landfair	33.63	317	eP	P	11 06 21.8	+1.4
F43A	Flat Rock, Esc	33.65	1	P	P	11 06 18.2	-2.1
H55A	Tweed	33.66	14	P	P	11 06 18.8	-1.6
F37A	Hinrichs Farm,	33.78	354	P	P	11 06 19.6	-1.8
F40A	Park Falls	33.78	357	P	P	11 06 19.7	-1.9
F44A	Kill Bay de Noc	33.81	2	P	P	11 06 19.8	-2.0
KLBO	Big Bay Provi	33.82	10	P	P	11 06 20.6	-1.2
F39A	Loretta	33.83	356	P	P	11 06 19.9	-2.0
G53A	Haltout	33.89	12	P	P	11 06 21.3	-1.1
H56A	Elgin	33.92	15	P	P	11 06 21.4	-1.3
COWI	Conover	33.93	359	eP	P	11 06 20.8	-2.0
F38A	Pierce - Schro	33.94	355	P	P	11 06 20.9	-2.0
F48A	Evansville	33.95	7	P	P	11 06 21.2	-1.7
F49A	Sandfield	33.95	7	P	P	11 06 21.4	-1.5
RWVY	Rawlins	33.98	334	eP	P	11 06 23.5	-0.1
BUKO	Buck Lake	34.05	11	P	P	11 06 23.0	-0.8
CCUT	Cedar City	34.08	322	eP	P	11 06 25.7	+1.3
PLVO	Plevna	34.15	14	P	P	11 06 22.6	-2.1
E43A	Lone Tree Farm	34.20	1	eP	P	11 06 23.5	-1.6
E43A	Lone Tree Farm						







KESN	Edirne-Kesan	6.33	18	iP	Pn	11 27 40.3	+1.8
KESN						11 30 30.0	
FNA	Florida	6.33	341	ePn	Pn	11 27 37.9	-0.4
FNA						11 28 50.6	+1.1
FNA	Florida	6.33	341	eP	Pn	11 27 37.9	-0.4
RKY	Sarkoy-Tekirda	6.34	22	PN	Pn	11 27 41.6	+3.2
AFYO	Afyonkarahisar	6.35	50	PN	Pn	11 27 42.0	+3.4
SHUT	Shut-Afyon	6.38	52	PN	Pn	11 27 42.2	+3.3
KCTX	Karacabey (Bur	6.39	31	PN	Pn	11 27 41.9	+2.8
KNT	Kendrikon	6.40	352	PN	Pn	11 27 41.6	+2.4
RDO	Rodhopi	6.41	10	PN	Pn	11 27 42.2	+2.9
HBRG	Burj al Arab	6.42	130	P	Pn	11 27 38.2	-1.3
HBRG	baz=130					11 28 45.2	-6.5
KEPZ	Antalya-Kepez	6.43	69	iP	Pn	11 27 41.1	+1.5
KEPZ						11 30 39.0	
BIA	Bitola	6.57	341	iPn	Pn	11 27 43.4	+1.9
VAY	Valandovo	6.60	350	iPn	Pn	11 27 44.5	+2.6
MDNY	Mudanya-Bursa	6.71	33	PN	Pn	11 27 46.2	+2.8
TKR	Tekirdag	6.73	23	PN	Pn	11 27 46.3	+2.7
BOLV	Bolivadin	6.73	53	iP	Pn	11 27 46.1	+2.4
BOLV						11 30 49.0	
AKMC	Akamaks	6.76	86	P	Pn	11 27 42.4	-1.7
MMB	Musomiste	6.76	358	iP	Pn	11 27 45.5	+1.3
PPCY	Paphos	6.77	87	P	Pn	11 27 43.2	-1.1
OHR	Ohrid	6.80	338	iPn	Pn	11 27 45.6	+0.9
ARMT	Armuti	6.86	32	PN	Pn	11 27 48.8	+3.3
RZN	Rozen	6.87	4	PN	Pn	11 27 47.8	+2.0
KRZD	Kordzhali	6.89	8	PN	Pn	11 27 48.4	+2.5
KDZ	Kurdzhali	6.89	8	iP	Pn	11 27 49.3	+4.4
GEMT	Gemlik	6.90	34	PN	Pn	11 27 49.4	+3.4
KRUS	Krusovo	6.91	342	iPn	Pn	11 27 47.2	+1.0
DOGA	KONYA_Doganhis	6.92	60	iP	Pn	11 27 47.9	+1.5
DOGA						11 30 59.0	
AUBOZ	BOZOYUK	6.93	41	PN	Pn	11 27 50.3	+3.8
AUBOZ	BOZOYUK	6.93	41	iP	Pn	11 27 49.6	+3.1
AUBOZ						11 30 55.0	
ALFC	Alfeka	6.98	85	P	Pn	11 27 46.0	-1.1
ALFC						11 29 00.0	-5.4
STIP	Stip	7.03	348	iP	Pn	11 27 48.4	+0.7
CAVI	Cavuskoj	7.04	39	PN	Pn	11 27 51.3	+3.3
KBK	Krupnik	7.08	354	iP	Pn	11 27 53.9	+1.0
YLV	Yalova	7.09	34	PN	Pn	11 27 51.5	+2.7
YLV	Yalova	7.09	341	iPn	Pn	11 27 51.4	+2.7
BORA	Esiksehir	7.14	43	PN	Pn	11 27 52.7	+3.2
BORA	Esiksehir	7.14	43	iP	Pn	11 27 52.6	+3.2
BORA						11 30 59.0	
ADVT	Abdulvahap	7.16	37	PN	Pn	11 27 53.1	+3.5
SLVT	Silivri	7.17	26	PN	Pn	11 27 52.7	+3.0
CIFT	Cifteler, Eski	7.17	49	PN	Pn	11 27 53.3	+3.7
CIFT	Cifteler, Eski	7.17	49	iP	Pn	11 27 52.3	+2.5
CIFT						11 31 03.0	
ELBA	Catalca	7.18	27	P	Pn	11 27 51.5	+1.7
ELBA						11 31 09.0	
BUY	Buyukada	7.21	32	PN	Pn	11 27 53.1	+2.9
BUY	Buyukada	7.21	32	iP	Pn	11 27 52.4	+2.2
BUY						11 31 10.0	
LEF	Lefka	7.22	85	iP	Pn	11 27 48.7	-1.7
ZFAC	Souni	7.22	88	P	Pn	11 27 49.2	-1.3
CTKS	Kestanelek-??a	7.28	27	PN	Pn	11 27 54.3	+3.1
PLD	Plodiv	7.29	3	PN	Pn	11 27 54.3	+3.0
KMER	Konya-Merem	7.29	64	iP	Pn	11 27 53.1	+1.6
KMER						11 31 21.0	
DIM	Dimitrovgrad	7.30	8	iP	Pn	11 27 54.5	+3.0
PHSR	Pinarhisar	7.31	21	PN	Pn	11 27 53.9	+2.3
EDRB	Edirne	7.31	309	ePn	Pn	11 27 54.5	+2.3
TIP	Timpagrande	7.31	309	eP	Pn	11 29 02.2	+4.2
TIP						11 29 12.2	-2.4
TIP	Timpagrande	7.31	309	iP	Pn	11 27 51.2	-0.5
TIP	Timpagrande	7.31	309	S	Pn	11 29 08.9	-4.7
TIR	Tirane	7.32	334	ePn	Pn	11 27 51.8	0.0
TIR						11 29 12.6	+1.2
TIR	Tirane	7.32	334	e	Pn	11 27 51.8	0.0
TIR						11 29 12.6	+1.2
KIRK	Kirkilareli	7.33	18	iP	Pn	11 27 53.5	+1.5
KIRK						11 31 13.0	
BGKT	Bozakoy	7.34	29	PN	Pn	11 27 54.9	+2.9
KONT	Konya-Tatoy	7.35	63	PN	Pn	11 27 53.3	+1.1
SRCK	Saricakaya, Es	7.35	43	PN	Pn	11 27 55.5	+3.3
SRCK	Saricakaya, Es	7.35	43	iP	Pn	11 27 55.3	+3.1
SRCK						11 31 11.0	
KAVV	Kandilli-Istan	7.36	31	PN	Pn	11 27 55.3	+3.0
ISK	Istanbul-Kandi	7.36	31	PN	Pn	11 27 54.7	+2.4
KDHN	Kadinhani	7.42	58	iP	Pn	11 27 54.0	+0.8
HRT	Hereke	7.43	35	PN	Pn	11 27 56.0	+2.7
SKO	Skopje	7.44	344	PN	Pn	11 27 53.7	+0.3
CEL	Celiste	7.45	300	ePn	Pn	11 27 53.5	-0.1
CEVY	SAKARYA_Geyve	7.48	39	iP	Pn	11 29 13.3	-3.5
CEVY						11 27 56.8	+2.8
CEVY						11 31 15.0	
MEVC	Mammari	7.49	85	P	Pn	11 27 53.1	-1.0
MEVC						11 27 56.4	+2.1
KLYT	Kilyos	7.51	30	PN	Pn	11 27 57.3	+3.0
KLYT						11 27 54.3	+3.0
SVRH	Svirihisar-ESK	7.51	50	PN	Pn	11 27 57.3	+3.8
AUSIV	SIVRIHISAR	7.51	50	PN	Pn	11 27 57.1	+2.6
AUSIV						11 31 22.0	
HNAT	Natroun	7.56	131	P	Pn	11 27 54.3	-0.8
GULT	Gulveren	7.56	40	PN	Pn	11 27 57.6	+2.4
HMYD	Mayadein	7.56	130	P	Pn	11 27 52.8	-2.3
CSS	Mathiatis	7.58	86	ePn	Pn	11 29 16.6	-3.6
CSS						11 29 16.6	-3.6
CSS	Mathiatis	7.58	86	P	Pn	11 27 54.3	-1.1
CSS						11 29 15.7	-4.5
SPNC	Sapanca-Adapaz	7.64	38	PN	Pn	11 27 59.5	+2.8
SILT	Sile	7.68	33	PN	Pn	11 27 59.7	+3.0
SILT						11 28 00.1	+3.3
SAUV	Serdivan-Sakar	7.72	0	iP	Pn	11 28 01.1	+2.8
PGB	PAHALIGURISHE	7.74	47	iP	Pn	11 28 01.1	+3.5
AUMIH	MIHALICIK	7.74	47	iP	Pn	11 28 04.0	+3.2
AUMIH						11 31 27.0	+3.2
VTS	Vitosha	7.81	355	ePn	Pn	11 27 58.9	+3.0
VTS						11 27 58.9	+1.2
VTS						11 27 58.9	+0.3
VTS						11 27 59.0	+0.3
VGL1	Ceglie Messapi	7.84	320	eP	Pn	11 27 59.7	+0.8
VGL1						11 29 23.1	-3.4
TAR1	Taranto	7.85	318	eP	Pn	11 28 00.5	+1.4
TAR1						11 29 23.4	-3.4
HLW	Helwan	7.87	127	S	Pn	11 27 57.9	-1.5
JMB	Yambol	7.87	13	iP	Pn	11 28 01.4	+2.0
KAND	Kocaeli-Kandir	7.89	36	iP	Pn	11 28 02.4	+2.9
KAND						11 31 28.0	
WDD	Wied Dalam	7.90	280	ePn	Pn	11 27 59.0	-0.7
WDD						11 29 24.7	-3.2
BTAS	Taskesti	7.92	42	iP	Pn	11 28 03.2	+3.1
BTAS						11 31 32.0	
MDUB	Mudurnu	7.96	43	PN	Pn	11 28 03.9	+3.2
MASS	Massafra	8.00	318	eP	Pn	11 28 01.2	0.0
MASS						11 29 23.5	-7.0
FASA	Fasano	8.02	320	eP	Pn	11 28 02.0	+0.6
FASA						11 29 29.9	+1.4
SAHE	Sakarya_HENDEK	8.04	40	iP	Pn	11 28 04.6	+2.8

SAHE	comp=Z,7j,10,8s					11 31 35.0	
ULC	Ulcinj	8.09	333	iPn	Pn	11 28 00.9	-1.4
ULC						11 29 25.3	-7.3
PHAL	Paralimni	8.15	86	P	Pn	11 28 02.8	-0.5
HSAF	As Saff	8.17	127	P	Pn	11 28 01.9	-1.5
MATE	Matera	8.26	317	iP	Pn	11 28 04.6	0.0
KKUL	Konya-Kulu	8.28	56	iP	Pn	11 28 01.9	+2.2
VAE	Valguarnera	8.28	291	PN	Pn	11 28 07.5	+2.5
VAE	comp=Z,8,6m,0.3s,baz=0.6,slow=15,SNR=10					11 29 31.4	-6.1
VAE	comp=1,5nm,0.3s,baz=138,slow=0.8,SNR=5.7					11 31 55.4	
GAL	comp=Z,2j,19,1s,baz=104,slow=42					11 28 03.3	-2.0
JALAL	Jalal	8.29	127	P	Pn	11 28 04.0	-1.3
DRME	Dracevica, Mon	8.30	334	iPn	Pn	11 28 00.4	-1.3
DRME						11 29 30.6	-7.3
DRME	Dracevica, Mon	8.30	334	ePn	Pn	11 28 04.0	-1.3
KIBS	BOLU	8.30	45	iP	Pn	11 28 09.0	+3.6
KIBS						11 31 47.0	
SG1	Sgogor (BA)	8.40	318	eP	Pn	11 28 06.2	-0.4
SG1						11 29 37.1	-3.3
PVY	Plav	8.41	339	iPn	Pn	11 28 06.7	-0.1
PVY						11 30 44.1	+6.6
PVL	Pavikeni	8.44	6	eP	Pn	11 28 07.5	+0.4
YIGI	Dzce	8.44	41	iP	Pn	11 28 10.0	+2.9
YIGI						11 31 49.0	
BAI	Bari	8.48	320	eP	Pn	11 28 08.3	+0.6
BAI						11 29 41.1	-1.1
PDG	Podgorica	8.49	335	iP	Pn	11 28 07.0	-0.8
PDG						11 29 39.7	-2.8
PDG	Podgorica	8.49	335	ePn	Pn	11 28 06.9	-0.9
PDG						11 28 06.8	-1.0
TTG	Podgorica	8.49	335	iPn	Pn	11 28 07.0	-0.8
TTG						11 28 07.0	-0.8
TTG	Podgorica	8.49	335	ePn	Pn	11 29 40.6	-1.8
TTG						11 29 40.7	-1.8
BUM	Brajici-Budva	8.51	333	iPn	Pn	11 28 06.8	-1.3
BUM						11 29 35.6	-7.4
BR21	Keskin MP Arra	8.53	51	ePn	Pn	11 28 10.2	+1.8
ANTO	Ankara	8.55	51	ePn	Pn	11 28 10.0	+1.2
ANTO	Ankara	8.55	51	eP	Pn	11 28 10.0	+1.2
ANTO	Ankara	8.55	51	P	Pn	11 28 12.6	+3.8
AKSY	AKSARAY - Alt	8.64	61	iP	Pn	11 28 11.3	+3.3
IVA	Berane	8.68	339	iPn	Pn	11 28 10.0	-0.5
IVA						11 29 40.7	-6.6
BCAM	Yenicaga	8.68	44	iP	Pn	11 28 14.1	+3.5
BCAM						11 32 01.0	
NBNS	Bani Suef	8.70	133	P	Pn	11 28 09.1	-1.7
CEME	Cervo	8.71	334	iPn	Pn	11 28 09.6	-1.3
CEME						11 28 40.8	-7.3
CMDR	Camlidere-ANKA	8.72	47	iP	Pn	11 28 14.6	+3.4
CMDR						11 32 03.0	
PRD	Provadia	8.75	16	iP	Pn	11 28 13.0	+1.7
KOME	Kolatin	8.78	337	iPn	Pn	11 28 10	

6d 11h

VYHS	Vyhne	14.21 346	eSN	Sn	11 31 58.6	-3.9
VYHS			eSCP	ScP	11 38 14.2	0.0
ANN	Anapa	14.27 42	eP	Pn	11 29 25.4	-1.4
ANN			pmax	pmax		
ANN	comp=Z,248nm,1.4s		MLR	MLR		
ZST	Bratislava	14.35 341	eP	Pn	11 29 24.1	-3.8
ZST	Bratislava	14.35 341	ePN	Pn	11 29 24.0	-3.8
MODS	Modra-Piesok	14.46 341	eP	Pn	11 29 25.8	-3.7
MODS			MLR	MLR		
MODS	Modra-Piesok	14.46 341	ePN	Pn	11 29 25.8	-3.7
MODS	Modra-Piesok	14.46 341	eP	Pn	11 29 35.9	+0.1
MODS	Modra-Piesok	14.46 341	eSN	Sn	11 32 01.5	-7.1
CONA	Conrad Observa	14.47 337	eP	Pn	11 29 27.3	-2.4
CONA			iSn	Sn	11 32 03.3	-5.6
CONA	comp=Z,8.8nm,0.5s					
SMOL	Smolenice	14.55 342	eP	P	11 29 38.5	+1.7
SMOL	Smolenice	14.55 342	eP	P	11 29 38.5	+1.7
KBA	Koelnbreinsper	14.63 330	ePN	Pn	11 29 31.3	-1.3
KBA			eSn	Sn	11 32 07.7	-6.5
KBA	comp=Z,37nm,1.1s		iScP	ScP	11 38 14.9	-0.4
ABTA	Abfaltersbach	14.78 327	ePn	Pn	11 29 32.2	-1.6
ABTA			eSn	Sn	11 32 10.7	-5.7
ABTA	comp=Z,70nm,0.8s		eScP	ScP	11 38 15.4	0.0
ABTA	comp=Z,5.1nm,0.7s					
JAVC	Velka Javorina	14.81 343	ePN	P	11 29 40.6	+0.8
KWP	Kalwaria Pacia	14.84 356	ePN	Pn	11 29 37.1	+2.5
KWP	Kalwaria Pacia	14.84 356	ePN	Pn	11 29 37.1	+2.5
KWP	Kalwaria Pacia	14.84 356	eP	Pn	11 29 37.1	+2.6
NIE	Niedzica	14.85 350	ePN	P	11 29 39.0	-1.2
NIE	Niedzica	14.85 350	eP	Pn	11 29 39.0	-1.2
SOC	Sochi	14.91 49	eP	Pn	11 29 35.0	-0.6
SOC			pmax	pmax		
SOC	comp=Z,139nm,1.2s		MLR	MLR		
DFRA	Djebel Bou Aff	14.92 382	P	P	11 29 44.0	+2.9
MOA	Molin	14.95 333	ePN	Pn	11 29 34.0	-2.1
MOA			eSn	Sn	11 32 14.8	-5.7
MOA	comp=Z,33nm,0.7s,SNR=25					
LVV	L'vov	14.99 360	eP	Pn	11 29 45.0	+3.4
LVV			MLR	MLR		
SIRT	Sirnax	15.05 74	ePN	Pn	11 29 38.4	+0.9
SIRT						
DBAD	Bademkaya	15.19 61	iP	P	11 29 40.1	+0.8
CKHR	Kef el Ahmar	15.21 280	P	Pn	11 29 47.2	+2.8
BCA	Borcka	15.27 59	iP	P	11 29 42.8	-2.1
SET	Setif	15.30 281	P	Pn	11 29 49.0	+3.7
KRUC	Moravsky Berou	15.33 340	ePN	Pn	11 29 39.7	-1.3
KRUC	Moravsky Berou	15.33 340	eSN	Sn	11 32 42.9	-2.4
BATM	Batumi	15.38 59	iP	Pn	11 29 43.6	+1.9
VRAC	Vranov	15.50 341	Pn	Pn	11 29 43.1	-0.1
VRAC			LR	LR	11 37 44.3	
VRAC	comp=Z,4.4nm,19.9s,baz=167,slow=45		ScP	ScP	11 38 16.8	+0.3
VRAC	comp=Z,0.4nm,0.3s,baz=63,slow=4.5,SNR=3.8					
VRAC	Vranov	15.50 341	iP	Pn	11 29 43.4	+0.1
VRAC	Vranov	15.50 341	ePN	Pn	11 29 42.4	-0.9
VRAC	Vranov	15.50 341	eSN	Sn	11 32 46.0	+2.8
WTTA	Wattenberg	15.56 327	ePN	Pn	11 29 43.4	-0.8
WTTA			eSn	Sn	11 32 27.7	-7.9
WTTA	comp=Z,60nm,1.1s		iScP	ScP	11 38 17.7	+0.9
WTTA	comp=Z,18nm,1.1s					
OKC	Ostrava-Krasne	15.63 346	eP	Pn	11 29 45.8	+0.9
OKC			MLR	MLR		
OKC	comp=Z,4.4nm,14.3s					
OKC	Ostrava-Krasne	15.63 346	eP	Pn	11 29 45.8	+0.9
OKC			ex	AMS	11 29 49.9	
OKC			AMS	AMS	11 37 00.0	
WATA	Waideralm	15.64 327	iPn	Pn	11 29 45.3	0.0
WATA			iScP	ScP	11 38 18.2	+1.2
WATA	comp=Z,24nm,0.5s,SNR=22					
MORC	Moravsky Berou	15.70 344	iP	Pn	11 29 45.5	-0.4
MORC	Moravsky Berou	15.70 344	ePN	Pn	11 29 44.8	+1.3
MORC	Moravsky Berou	15.70 344	eSN	Sn	11 32 44.1	+5.3
OJC	Ojcow	15.71 350	ePN	Pn	11 29 49.6	0.0
OJC	Ojcow	15.71 350	ePN	Pn	11 29 46.2	+0.3
OJC			pmax	pmax		
OJC	comp=Z,35nm,0.9s					
SQTA	Sankt Quirin	15.72 326	ePN	Pn	11 29 46.3	0.0
SQTA			eSn	Sn	11 32 33.5	-6.0
SQTA	comp=Z,29nm,0.5s		eScP	ScP	11 38 17.5	+0.4
FUORNI	Ofenpass-Fuorn	15.75 323	ePN	Pn	11 29 47.1	+0.3
TREC	Trest	15.80 339	eP	Pn	11 29 48.6	+1.5
TREC			MLR	MLR		
TREC	comp=Z,5.4nm,14.7s		ex	x	11 29 48.6	+1.5
TREC			AMS	AMS	11 29 51.8	
TREC			AMS	AMS	11 37 20.0	
FETA	Feichten	15.81 324	ePN	Pn	11 29 46.9	-0.5
FETA			eScP	ScP	11 38 17.3	0.0
FETA	comp=Z,261nm,0.9s,SNR=48					
RAC	Raciborz	15.85 346	eP	Pn	11 29 50.3	-0.9
RAC			MLR	MLR		
MOTA	Moosalm	15.87 326	ePN	Pn	11 29 47.9	-0.3
MOTA			eSn	Sn	11 32 40.5	-2.4
MOTA	comp=Z,28nm,0.7s		eScP	ScP	11 38 18.0	+0.6
MOTA	comp=Z,4.1nm,0.7s					
GEAO	GERESS Array S	15.98 334	ePN	Pn	11 29 47.7	-1.9
GEAO	GERESS Array S	15.99 334	eP	Pn	11 29 48.3	-1.4
GEAO	comp=Z,89nm,0.8s		pmax	pmax		
GERES	GERESS Array S	15.99 334	Pn	Pn	11 29 48.7	-1.0
GERES			ScP	ScP	11 32 36.6	-9.3
GERES	comp=Z,0.7nm,0.3s,baz=154,slow=13,SNR=41					
GERES	comp=Z,0.7nm,0.3s,baz=158,slow=24,SNR=42					
GERES	comp=Z,0.3nm,0.3s,baz=158,slow=19,SNR=16					
DOMR	Dombal	16.00 53	iP	Pn	11 29 47.6	-2.3
DAVOX	Davos/Dischmat	16.05 322	Pn	Pn	11 29 52.0	+1.4
DAVOX			Sn	Sn	11 32 40.2	-7.5
DAVOX	comp=Z,0.8nm,0.3s,baz=305,slow=19,SNR=17		LR	LR	11 37 59.0	
DAVOX	comp=Z,2.0nm,0.6s,baz=123,slow=44					
KARS	Kars	16.08 63	ePN	Pn	11 29 51.1	+0.2
KARS						
TUE	Stuetta	16.12 321	ePN	Pn	11 29 51.3	-0.2
TUE			eSn	Sn	11 29 50.9	-0.5
RETA	Reutte	16.13 326	ePN	Pn	11 29 45.8	-3.4
RETA			Sn	Sn	11 32 45.8	-3.4
RETA	comp=Z,20nm,0.7s					
KRLC	Kraliky	16.16 343	eP	P	11 29 55.8	+1.1
KRLC	Kraliky	16.16 343	eP	P	11 29 55.8	+1.1
AK11	Main Array Si	16.27 12	ePN	Pn	11 29 50.8	-2.3
KHC	Kasperske Hory	16.28 335	eP	Pn	11 29 50.9	-2.3
KHC	Kasperske Hory	16.28 335	eP	Pn	11 29 51.5	-1.8
KHC	Kasperske Hory	16.28 335	eS	Sn	11 32 56.2	+3.5
KHC			MLR	MLR		
KHC	comp=Z,5.4nm,13.7s					
KHC	Kasperske Hory	16.28 335	eP	Pn	11 29 51.5	-1.8
KHC			ex	x	11 29 57.2	
KHC			eP	Pn	11 30 05.0	+0.9
KHC			eS	Sn	11 32 56.2	+3.5
KHC			AMS	AMS	11 37 20.0	

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KIEV	Kiev	16.29 12	ePn	Pn	11 29 51.1	-2.3
KIEV			comp=Z,196nm,1.0s			
KIEV	Kiev	16.29 12	iP	Pn	11 29 52.1	-1.3
KIEV	SNR=59					
AKASG	Main Array Be	16.30 12	Pn	Pn	11 29 51.0	-2.4
AKASG			comp=Z,1.4nm,0.3s,baz=199,slow=12,SNR=20			
AKASG	baz=200,slow=20,SNR=4.3		LR	LR	11 36 41.2	
AKASG	comp=Z,2.2nm,19.8s,baz=190,slow=39		ScP	ScP	11 38 18.0	+0.1
AKASG	comp=Z,0.7nm,0.3s,baz=217,slow=17,SNR=10					
AKBB	Main Array Si	16.30 12	ePn	Pn	11 29 51.3	-2.2
AKBB			comp=Z,188nm,0.9s			
AKBB	Main Array Si	16.30 12	eP	Pn	11 29 51.3	-2.2
AKBB			pmax	pmax		
DAVA	Damuels	16.40 324	ePN	Pn	11 29 56.1	+1.1
DAVA			comp=Z,129nm,0.8s			
DAVA	comp=Z,12nm,1.1s		eScP	ScP	11 38 18.4	0.0
DPC	Dobruska-Polom	16.53 342	eP	Pn	11 29 55.2	-1.2
DPC			MLR	MLR		
DPC	comp=Z,6.1nm,16.1s					
DPC	Dobruska-Polom	16.53 342	eP	Pn	11 29 55.2	-1.2
DPC			ex	x	11 29 59.3	
DPC			AMS	AMS	11 37 40.0	
GOPC	GO Pecny, Ondr	16.56 338	eP	Pn	11 29 55.1	-1.7
GOPC			eS	Sn	11 33 04.7	+5.2
GOPC			MLR	MLR		
GOPC	comp=Z,4.4nm,13.5s					
GOPC	GO Pecny, Ondr	16.56 338	eP	Pn	11 29 55.1	-1.7
GOPC			ex	x	11 29 59.2	
GOPC			eS	Sn	11 33 04.7	+5.2
GOPC			AMS	AMS	11 37 50.0	
GOPC	comp=Z,4.4nm,13.5s					
MAHO	Mahon	16.56 294	P	P	11 30 07.6	+8.5
MAHO			S	S	11 33 05.1	+5.4
PRU	Pruhonice	16.70 338	eP	Pn	11 29 58.5	0.0
PRU			MLR	MLR	11 33 08.1	+5.2
PRU	comp=Z,5.4nm,13.2s					
PRU	Pruhonice	16.70 338	eP	Pn	11 29 58.5	0.0
PRU			ex	x	11 30 01.5	
PRU			AMS	AMS	11 38 00.0	
PRU	comp=Z,5.4nm,13.2s					
NEY	Neytrino	16.71 54	iP	P	11 30 00.5	-0.5
UPC	Udice	16.75 342	eP	Pn	11 29 58.0	-1.2
UPC			MLR	MLR		
UPC	comp=Z,5.4nm,16.7s					
UPC	Udice	16.75 342	eP	Pn	11 29 58.0	-1.2
UPC			ex	x	11 30 02.6	
UPC			AMS	AMS	11 37 40.0	
BNI	Bardonecchia	16.79 313	ePN	Pn	11 29 59.0	-0.9
BNI			comp=Z,41nm,1.1s			
BNI						





YAK	e		11 39 19.0		
YAK	eS	S	11 45 37.0 -5.6		
YAK	e'SS	S	11 45 58.5 0.0		
YAK	e		11 46 45.8		
YAK	eSSS	SSS	11 52 54.6		
YAK	comp=Z,204nm,1.3s	pmax			
YAK	comp=E,194nm,1.4s				
YAK	comp=N,61nm,1.3s	pmax			
YAK	comp=Z,311nm,0.5s	pmax			
YAK	comp=N,227nm,2.3s	smax			
YAK	comp=Z,23nm,1.0s				
SUR	Sutherland	66.92 183 P	P	11 36 56.7 +0.2	
SUR	Sutherland	66.92 183 eP	P	11 36 56.6 +0.2	
KMI	Kunming	67.23 75 P	P	11 36 59.5 +0.6	
KMI			pP	11 37 12.0 -0.3	
KMI	comp=E,35nm,0.6s		pmax		
KMI	comp=E,300nm,4.5s				
KMI	comp=E,370nm,12.7s		LR	LR	
KMI	comp=E,380nm,14.3s		LR	LR	
KMI	comp=E,340nm,17.0s		LR	LR	
CHTO	Chiang Mai	67.29 82 eP	P	11 36 58.3 -0.7	
CHTO	Chiang Mai	67.29 82 eP	P	11 36 58.3 -0.7	
CHTO	Chiang Mai	67.29 82 P	P	11 36 59.3 +0.3	
CHTO	Chiang Mai	67.29 82 P	P	11 36 59.0 0.0	
CM31	Chiang Mai Arr	67.47 83 eP	P	11 36 58.9 -0.2	
CM31	Chiang Mai Arr	67.47 83 eP	P	11 36 59.3 -0.9	
CMAR	Chiang Mai Arr	67.47 83 P	P	11 37 00.8 +0.6	
CMAR	Chiang Mai Arr	67.47 83 P	P	11 37 00.2 +0.1	
CM01	Chiang Mai Arr	67.50 83 eP	P	11 36 59.5 -0.9	
XAN	Xi'an	67.76 63 P	P	11 37 02.0 +0.1	
XAN			pP	11 37 13.8 -1.5	
XAN			sP	11 37 19.9 +8.2	
XAN	comp=Z,25nm,1.2s		pmax		
XAN	comp=Z,380nm,24.0s		LR	LR	
XAN	comp=Z,380nm,23.0s		LR	LR	
XAN	comp=Z,21nm,0.8s	67.76 63 eP	P	11 37 01.8 -0.1	
XAN	comp=Z,21nm,0.8s	67.76 63 eP	P	11 37 01.8 -0.1	
HIA	Hailar	67.88 45 eP	P	11 37 02.9 +0.6	
HIA	Hailar	67.88 45 eP	P	11 37 02.9 +0.6	
HIA	Hailar	67.88 45 eP	P	11 37 02.9 +0.6	
LAMP	Lampang	68.00 82 P	P	11 37 04.1 +0.6	
SUKH	Sukhothai	68.53 83 P	P	11 37 07.3 +0.5	
UMPA	Umpang Tak	68.56 85 P	P	11 37 08.1 +1.0	
TIY	Taiyuan	68.57 58 eP	P	11 37 07.7 +0.8	
UTTA	Utтарadit	69.15 82 P	P	11 37 11.3 +0.6	
CHGO	Chibougamau	69.19 317 P	P	11 37 12.1 +1.6	
UTRA	Uthairani	69.38 85 P	P	11 37 12.5 +0.4	
RCBR	Riachuelo	69.40 247 eP	P	11 37 14.7 +2.4	
LA7Q	La Tuque	69.52 314 P	P	11 37 13.9 +1.4	
GYA	Gulyang	69.67 71 iP	P	11 37 14.0 0.0	
GYA			pP	11 37 26.5 -0.9	
GYA			sP	11 39 51.0 +3.0	
GYA			S	11 46 19.4 -1.2	
GYA			sS	11 46 36.2 -0.4	
GYA			SS	11 50 48.8 +0.1	
GYA	comp=Z,30nm,0.9s		pmax		
GYA	comp=Z,130nm,5.8s		pmax		
GYA	comp=Z,550nm,18.2s		LR	LR	
GYA	comp=Z,510nm,18.0s		LR	LR	
SRDT	SRDT	69.75 86 P	P	11 37 14.8 +0.4	
ZEA	Zeya	69.75 38 eP	P	11 37 14.8 +1.0	
ZEA			eS	11 47 05.0 +6.3	
ZEA	comp=Z,55nm,1.4s		pmax		
ZEA	comp=Z,800nm,17.0s		MLR	MLR	
ENH	Enshi	69.97 67 eP	P	11 37 15.1 -0.6	
BJI	Beijing	70.03 55 eP	P	11 37 16.4 +0.6	
BJI			S	11 46 22.2 -2.0	
BJI	comp=E,14nm,0.8s		pmax		
BJI	comp=E,200nm,14.7s		LR	LR	
BJT	Baijiatau	70.04 55 eP	P	11 37 15.7 -0.1	
BJT	Baijiatau	70.04 55 eP	P	11 37 15.7 -0.1	
PBK7	Sadao Pong	70.10 83 P	P	11 37 16.5 0.0	
LBNH	Lisbon	70.55 311 P	P	11 37 20.8 +1.9	
LSOQ	Lebel-sur-Quev	71.09 317 P	P	11 37 24.2 +2.1	
NONG	Nongkai	71.09 81 P	P	11 37 22.6 0.0	
CHAI	Chaiyaphum	71.28 83 P	P	11 37 23.8 +0.1	
ALFO	Alfred	71.65 313 P	P	11 37 27.4 +1.9	
KHON	Khomkaen	71.73 83 P	P	11 37 26.8 +0.3	
VLDO	Val d'Or	71.86 316 eP	P	11 37 27.9 +1.2	
D54A	Lac Fusel, La	71.91 315 P	P	11 37 28.6 +1.5	
LONY	Lake Ozonia	71.99 312 P	P	11 37 29.5 +1.9	
ORIO	Orleans, Innes	72.12 313 P	P	11 37 30.4 +2.0	
SRAK	Srakaw	72.32 85 P	P	11 37 33.2 +3.2	
SKNT	Sakolnakorn	72.34 81 P	P	11 37 30.4 +0.3	
F55A	Otter Lake	72.42 314 P	P	11 37 31.9 +1.8	
TIA	Tai'an	72.58 58 P	P	11 37 31.9 +0.6	
E54A	Lac Duplat, Po	72.59 316 P	P	11 37 32.8 +1.6	
PANO	Nakornpanom	72.75 81 P	P	11 37 33.2 +0.6	
E53A	Dumoine, Ponti	72.90 315 P	P	11 37 35.0 +2.0	
G55A	Calabogie	72.95 313 P	P	11 37 35.0 +1.6	
D52A	ZEK Kipawa Sen	73.01 316 P	P	11 37 35.1 +1.4	
H56A	Elgin	73.03 313 P	P	11 37 35.2 +1.4	
PEMO	Pembroke	73.03 314 P	P	11 37 35.3 +1.5	
MLSI	Meulaboh, Aceh	73.05 97 P	P	11 37 33.4 -1.0	
PLVO	Plevna	73.28 313 P	P	11 37 36.9 +1.6	

ALGO	Algonquin Park	73.36 315 P	P	11 37 37.4 +1.6	
D51A	Lot 18 Range I	73.50 316 P	P	11 37 38.3 +1.7	
E52A	Mattawa	73.53 315 P	P	11 37 38.6 +1.9	
BILL	Bilibino	73.60 14 eP	P	11 37 36.5 -0.2	
BILL	Bilibino	73.60 14 eP	P	11 37 36.5 -0.2	
BILL	Bilibino	73.60 14 eP	P	11 37 47.3	
BILL	Bilibino	73.60 14 eP	P	11 40 22.0	
BILL	Bilibino	73.60 14 eP	P	11 42 05.6	
BILL	comp=Z,45nm,1.3s		eP	PPP	
BILL	comp=Z,576nm,19.0s		pmax	MLR	
H55A	Tweed	73.61 313 P	P	11 37 38.7 +1.5	
BANO	Bancroft	73.80 314 P	P	11 37 39.7 +1.4	
PECO	Prince Edward	73.82 312 P	P	11 37 39.8 +1.3	
E51A	G1948 Merrick	73.88 316 P	P	11 37 39.6 +0.8	
CN2	Changchun	74.04 48 eP	P	11 37 40.0 +0.2	
CN2			eS	PoP	11 37 54.3 -0.6
CN2			eS	SKIKP	11 47 07.7 +2.3
CN2	comp=Z,30nm,0.7s		pmax		
CN2	comp=Z,200nm,3.0s		pmax		
CN2	comp=Z,150nm,11.0s		LR	LR	
CN2	comp=Z,140nm,11.0s		LR	LR	
BINY	Binghamton	74.14 310 P	P	11 37 42.1 +1.7	
F52A	Sundridge	74.19 315 P	P	11 37 42.0 +1.4	
SEY	Seymour	74.20 22 P	P	11 37 41.2 +0.9	
SEY	Seymour	74.20 22 eP	P	11 37 40.9 +0.6	
BUKO	Buck Lake	74.43 315 P	P	11 37 43.1 +1.1	
F51A	Arnslein	74.46 315 P	P	11 37 43.4 +1.4	
KLR	Kul'dur	74.58 40 LR	LR	12 13 19.5	
KLR	Kul'dur	74.58 40 LR	LR	11 37 42.7 -0.1	
E50A	Wahnapitae	74.65 316 P	P	11 37 44.8 +1.5	
WLVO	Wesleyville	74.68 313 P	P	11 37 45.2 +1.8	
D48A	Paudash Townsh	74.83 317 P	P	11 37 46.1 +1.8	
SKLT	Songkhla	74.88 92 P	P	11 37 45.2 +0.2	
DRWO	Darlington Wes	74.91 313 P	P	11 37 46.3 +1.6	
KLBO	Kilbuck Provi	74.95 315 P	P	11 37 46.8 +1.8	
K55A	Perry	75.14 312 P	P	11 37 48.0 +1.8	
E48A	Lockeyer	75.43 317 P	P	11 37 49.8 +2.1	
I53A	Kortright Cn E	75.45 313 P	P	11 37 50.0 +2.1	
D47A	Chapleau	75.62 318 P	P	11 37 50.6 +1.7	
F49A	Sandfield	75.77 316 P	P	11 37 51.3 +1.5	
INK	Inuvik	75.83 352 P	P	11 37 50.0 +0.5	
INK	comp=Z,13nm,0.6s,baz=13,slow=7.7,SNR=106		LR	12 15 55.7	
INK	comp=Z,248nm,19.2s,baz=348,slow=39		P	11 37 49.1 -0.5	
PSI	Prapat	75.95 96 P	P	11 37 51.1 -0.3	
PSI	Prapat	75.95 96 eP	P	11 37 50.5 -0.9	
KULM	Kulim	75.95 93 eP	P	11 37 50.3 -0.9	
NJ2	Nanjing	75.97 61 eP	P	11 37 51.6 +0.5	
NJ2			pmax		
TYNO	Tyneside	76.03 313 P	P	11 37 53.0 +1.8	
MDJ	Mudanjiang	76.05 45 eP	P	11 37 50.8 -0.6	
F48A	Evansville	76.06 316 P	P	11 37 53.1 +1.8	
GRNR	Gornyy	76.07 37 eP	P	11 37 50.4 -0.9	
GRNR			eP	11 40 37.1	
E47A	Iron Bridge	76.07 317 P	P	11 37 53.1 +1.7	
MA2	Magadan	76.15 25 LR	LR	12 15 18.2	
MA2	Magadan	76.15 25 eP	P	11 37 51.2 -0.4	
MA2	Magadan	76.15 25 eP	P	11 37 52.0 +0.4	
SSPA	Standing Stone	76.19 310 P	P	11 37 54.0 +1.8	
BWLO	Walkerton	76.20 314 P	P	11 37 54.1 +1.9	
D46A	Sault Ste. Mari	76.23 318 P	P	11 37 54.1 +1.7	
M55A	Ridgway	76.28 311 P	P	11 37 54.6 +1.8	
J52A	Paris	76.31 313 P	P	11 37 54.6 +1.8	
I51A	Listowel	76.31 314 P	P	11 37 54.7 +1.8	
BASO	Ashfield	76.57 314 P	P	11 37 55.9 +1.6	
NKL	Nikolayevsk	76.58 34 eP	P	11 37 54.8 +0.7	
ERPA	Erie	76.66 312 eP	P	11 37 55.3 +0.4	
ERPA	Erie	76.66 312 P	P	11 37 56.5 +1.6	
E46A	Sault Ste Mari	76.69 318 P	P	11 37 56.6 +1.6	
K52A	Tilsonburg	76.72 313 P	P	11 37 56.8 +1.6	
TOLK	Toolik Lake Re	76.74 358 eP	P	11 37 55.4 +0.5	
TOLK	Toolik Lake Re	76.74 358 P	P	11 37 56.3 +1.5	
N55A	Marion Center	76.80 311 P	P	11 37 57.4 +1.7	
M54A	Oil Creek Stat	76.81 311 P	P	11 37 57.7 +2.0	
O56A	Blue Knob Stat	76.83 310 P	P	11 37 57.4 +1.5	
ELFO	Elginfield	76.84 314 P	P	11 37 57.5 +1.6	
L53A	Girard	76.92 312 P	P	11 37 57.3 +1.0	
H48A	Harrisville	77.13 316 P	P	11 37 58.7 +1.3	
G47A	Hillman	77.15 316 P	P	11 37 59.1 +1.5	
E45A	Wooded Hills,	77.18 318 P	P	11 37 59.2 +1.5	
RDOG	Red Dog Mine	77.30 3 eP	P	11 37 58.4 +0.5	
N54A	Moraine State	77.32 311 P	P	11 38 00.4 +1.7	
O55A	Ligonier	77.33 310 P	P	11 38 00.2 +1.5	
E44A	Grand Marais A	77.43 318 P	P	11 38 00.8 +1.7	
YKWS	Yellowknife Ar	77.45 342 eP	P	11 37 58.5 -0.3	
M53A	WI Miller and	77.47 312 P	P	11 38 00.7 +1.3	
YKA	Yellowknife Ar	77.50 342 P	P	11 37 59.5 +0.4	
YKA	comp=Z,6.4nm,0.5s,baz=32,slow=5.5,SNR=123		LR	12 14 30.2	
YKBS	Yellowknife Ar	77.50 342 eP	P	11 37 58.7 -0.4	

I48A	Sherman Twp	77.65 315 P	P	11 38 01.8 +1.4	
USA0B	Ussuriysk Arra	77.69 44 eP	P	11 38 00.3 -0.2	
USRK	Ussuriysk Arr	77.69 44 P	P	11 38 00.6 0.0	
USRK	comp=Z,2.7nm,0.6s,baz=287,slow=5.4,SNR=55		PP	11 40 54.2 -1.3	
USRK	comp=Z,9.3nm,1.0s,baz=297,slow=9.8,SNR=4.4		PP	12 17 53.1	
R58B	Mineral	77.69 308 P	P	11 38 02.1 +1.4	
H47A	Mio	77.70 316 P	P	11 38 01.9 +1.3	
F45A	CMU Biological	77.78 317 P	P	11 38 02.5 +1.5	
GLMI	Grayling	77.80 316 P	P	11 38 02.7 +1.5	
J49A	Plette	77.82 315 P	P	11 38 02.8 +1.5	
M52A	Chesterland	77.83 312 P	P	11 38 02.5 +1.1	
N53A	Cherwell	77.94 311 P	P	11 38 03.1 +1.1	
MCWV	Mont Chateau	77.98 310 P	P	11 38 04.0 +1.7	
O54A	Avella	78.01 311 P	P	11 38 04.1 +1.6	
T59A	Double "B" Far	78.04 307 P	P	11 38 04.5 +1.8	
EPYK	Eagle Plains	78.05 352 eP	P	11 38 02.3 +0.1	
EPYK	Eagle Plains	78.05 352 P	P	11 38 03.2 +1.0	
P55A	Reedsville	78.06 310 P	P	11 38 04.4 +1.6	
F44A	Big Bay de Noc	78.10 318 P	P	11 38 04.3 +1.5	
E43A	Lone Tree Farm	78.17 319 P	P	11 38 04.8 +1	



6d 11h

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U49A	Columbus Grove	79.91 313	P	P	11 38 13.5 +0.7
Q52A	Bidwell	79.91 311	P	P	11 38 14.0 +1.1
050A	Cable	80.03 312	P	P	11 38 14.6 +1.0
EGAK	Eagle	80.06 354	eP	P	11 38 13.4 +0.2
T55A	Pulaski	80.06 308	P	P	11 38 15.0 +1.2
E39A	Mellen	80.07 320	P	P	11 38 14.6 +1.0
R53A	Hurricane	80.09 310	P	P	11 38 15.1 +1.2
ULM	Lac du Bonnet	80.10 326	P	P	11 38 14.2 +0.5
ULM	Lac du Bonnet	80.10 326	eP	LR	12 13 43.8
V57A	Coltrane Farms	80.13 307	P	P	11 38 15.0 +0.9
F40A	Park Falls	80.14 320	P	P	11 38 14.9 +0.9
POKR	Poker Plat Res	80.17 356	P	P	11 38 14.9 +1.1
W58A	Raeofor	80.27 306	P	P	11 38 16.1 +1.2
H43A	Langenfeld Bro	80.36 317	P	P	11 38 15.9 +0.7
MDM	Murphy Dome	80.36 357	eP	P	11 38 15.2 +0.3
COLA	College	80.43 357	eP	P	11 38 15.5 +0.3
COLA	College	80.43 357	dIP	P	11 38 15.1 -0.1
TCOL	CIGO, UAF Yank	80.43 357	P	P	11 38 15.8 +0.6
E38A	The Farm, Brul	80.44 321	eP	P	11 38 15.8 +0.2
E38A	The Farm, Brul	80.44 321	P	P	11 38 16.0 +0.4
O49A	Covington	80.44 313	eP	P	11 38 16.0 +0.3
O49A	Covington	80.44 313	P	P	11 38 16.2 +0.5
N48A	Decatur	80.45 313	P	P	11 38 16.1 +0.4
P50A	Jamestown	80.47 312	P	P	11 38 16.5 +0.6
IL1	Eielson Array	80.48 356	eP	P	11 38 15.5 0.0
ILAR	Eielson Array	80.48 356	eP	P	11 38 16.1 +0.6
ILAR	Eielson Array	80.48 356	eP	LR	12 18 06.7
ILB	Eielson Array	80.48 356	eP	P	11 38 16.0 +0.5
OBIP	Obispo Ponce	80.49 285	eP	P	11 38 16.4 +0.1
R52A	Cattlettsburg	80.52 310	P	P	11 38 17.2 +1.0
Q51A	Peebles	80.55 311	P	P	11 38 17.6 +1.3
MYKOM	Kota Tinggi	80.56 94	eP	P	11 38 16.6 -0.2
F39A	Loretta	80.56 320	P	P	11 38 17.1 +0.9
DAWY	Dawson	80.58 353	eP	P	11 38 16.6 +0.5
U55A	TA2, Sparta	80.60 308	P	P	11 38 17.6 +0.9
G40A	Rib Lake	80.60 319	eP	P	11 38 17.3 +0.8
G40A	Rib Lake	80.60 319	P	P	11 38 17.6 +1.1
T54A	Tazewell	80.61 309	P	P	11 38 17.3 +0.5
V56A	Mocksville	80.65 307	P	P	11 38 18.4 +1.5
ANM	Nome	80.66 4	eP	P	11 38 16.9 +0.5
ANM	Nome	80.66 4	eP	P	11 38 17.0 +0.5
H41A	Junction City	80.73 319	P	P	11 38 18.1 +0.9
I42A	Draeger Farm,	80.79 318	P	P	11 38 18.6 +1.1
N47A	Urbana	80.83 314	P	P	11 38 18.5 +0.7
J43A	Natural Harves	80.84 317	P	P	11 38 18.9 +1.1
WRH	Wood River Hill	80.84 357	eP	P	11 38 17.4 0.0
HDA	Harding Lake	80.85 356	eP	P	11 38 17.4 0.0
HDA	Harding Lake	80.85 356	P	P	11 38 18.4 +1.0
M46A	Old House Fiel	80.90 314	P	P	11 38 18.8 +0.7
O48A	Farmland	80.90 313	P	P	11 38 19.2 +1.1
F38A	Pierce - Schro	81.03 321	P	P	11 38 19.8 +1.0
P49A	Miami Univ. Ec	81.08 312	P	P	11 38 19.7 +0.6
SCRK	Sand Creek	81.08 355	eP	P	11 38 19.5 +0.7
U54A	Nelsons Farm	81.09 308	P	P	11 38 20.3 +1.0
V55A	Taylorville	81.09 308	P	P	11 38 20.5 +1.2
W56A	Indian Trail	81.10 307	P	P	11 38 20.6 +1.2
G39A	Holcombe	81.11 320	P	P	11 38 20.1 +0.9
R51A	Hillsboro	81.13 311	P	P	11 38 20.5 +1.1
BWN	Browne	81.21 357	eP	P	11 38 19.7 +0.4
I41A	Arkdale	81.21 318	P	P	11 38 20.7 +1.0
J42A	Columbus	81.27 317	P	P	11 38 21.5 +1.4
BPAW	Bear Paw Mtn.	81.33 358	eP	P	11 38 20.1 +0.1
RIDG	Independ' Rid	81.38 355	eP	P	11 38 21.1 +0.7
DOT	Dot Lake	81.41 355	eP	P	11 38 21.0 +0.5
N46A	Monticello	81.44 314	P	P	11 38 22.3 +1.3
AGMN	Agassiz Nation	81.45 324	eP	P	11 38 20.5 -0.5
AGMN	Agassiz Nation	81.45 324	P	P	11 38 21.8 +0.9
O47A	Sheridan	81.52 313	P	P	11 38 22.4 +0.9
G38A	Ridgeland	81.55 320	P	P	11 38 22.7 +1.2
P48A	Milroy	81.55 312	P	P	11 38 22.5 +0.8
H39A	Augusta	81.57 319	P	P	11 38 22.4 +0.8
F37A	Hinrichs Farm,	81.58 321	P	P	11 38 22.7 +1.0
KMSC	Kings Mountain	81.59 307	P	P	11 38 23.1 +1.1
R50A	Paris	81.61 311	P	P	11 38 22.9 +1.0
V54A	Nebo	81.61 308	P	P	11 38 23.2 +1.1
JANB	Januarja	81.63 245	eP	P	11 38 23.0 +0.6
Y57A	Sumter	81.64 306	P	P	11 38 23.1 +0.9
U53A	Fall Branch	81.67 309	P	P	11 38 23.2 +0.8
SJMB	Sao Joao De Ma	81.68 240	eP	P	11 38 24.3 +1.9
I40A	Norwalk	81.72 318	P	P	11 38 23.0 +0.5
YSS	Yuzh-Sakhalins	81.72 37	eP	P	11 38 22.3 -0.1
YSS	Yuzh-Sakhalins	81.72 37	eP	P	11 38 21.6 -0.8
YSS	Yuzh-Sakhalins	81.72 37	eP	P	11 38 31.9 -0.5
YSS	Yuzh-Sakhalins	81.72 37	eP	P	11 38 38.1 +1.9
YSS	Yuzh-Sakhalins	81.72 37	eP	P	11 41 31.7

YSS	comp=Z,60nm,1.1s	81.74 318	P	P	11 38 22.9 -3.7
YSS	comp=Z,300nm,5.2s	81.74 317	P	P	11 49 17.0 -6.2
YSS	comp=N,300nm,14.0s	81.78 306	P	P	
YSS	comp=Z,500nm,14.0s	81.79 316	P	P	
J41A	Loganville	81.74 318	P	P	11 38 23.2 +0.7
K42A	Prairie Point,	81.74 317	P	P	11 38 22.9 +0.3
X56A	White Oak	81.78 306	P	P	11 38 24.1 +1.1
L43A	Garden Prairie	81.79 316	P	P	11 38 23.5 +0.7
RND	Reindeer	81.94 357	eP	P	11 38 23.1 -0.3
RND	Reindeer	81.94 357	eP	P	11 38 23.1 -0.3
TRF	Thorofore Moun	81.96 357	eP	P	11 38 23.8 +0.2
SPMM	Marine on St.	82.01 320	eP	P	11 38 23.8 -0.1
SPMM	Marine on St.	82.01 320	P	P	11 38 24.8 +0.9
S50A	Richmond	82.02 311	P	P	11 38 24.0 -0.2
NHSC	New Hope	82.03 305	P	P	11 38 25.2 +1.0
P47A	Martinsville	82.05 313	P	P	11 38 24.6 +0.4
Q48A	North Vernon	82.07 312	P	P	11 38 24.9 +0.5
MENT	Mentasta	82.09 354	eP	P	11 38 24.0 -0.1
H38A	Lafain Rock	82.10 320	P	P	11 38 25.0 +0.5
J40A	Soldiers Grove	82.12 318	P	P	11 38 25.2 +0.7
R49A	Shelbyville	82.12 311	P	P	11 38 25.2 +0.5
JFWS	Jewell Farm	82.16 318	P	P	11 38 25.2 +0.4
W54A	Cherokee Point	82.19 307	P	P	11 38 26.0 +0.9
DHY	Denali Highway	82.20 356	eP	P	11 38 24.9 +0.1
I39A	Houston	82.24 319	eP	P	11 38 25.4 +0.2
I39A	Houston	82.24 319	P	P	11 38 25.7 +0.5
Z57A	Bowman	82.27 305	P	P	11 38 25.3 -0.2
MC18	Montes Claros	82.25 244	eP	P	11 38 27.7 +1.6
MC19	Montes Claros	82.36 244	eP	P	11 38 28.3 +2.1
BLO	Bloomington	82.40 313	eP	P	11 38 26.2 +0.1
BLO	Bloomington	82.40 313	eP	P	11 38 26.2 +0.1
MC16	Montes Claros	82.42 244	eP	P	11 38 29.5 +3.0
DSRI	Dabo	82.44 96	P	P	11 38 28.6 +1.9
S49A	Springfield	82.51 311	P	P	11 38 27.3 +0.6
PPLA	Purkeypile	82.57 358	eP	P	11 38 27.4 +0.6
U51A	La Follette	82.58 309	P	P	11 38 28.1 +0.9
Y55A	Saluda	82.66 306	P	P	11 38 28.5 +0.9
J39A	Decorah	82.69 319	P	P	11 38 28.0 +0.4
T50A	Nancy	82.70 310	P	P	11 38 28.6 +0.8
HARP	HAARP	82.72 355	eP	P	11 38 27.6 +0.2
W53A	Cullowhee	82.77 308	P	P	11 38 28.8 +0.5
K40A	Colesburg	82.80 318	P	P	11 38 28.2 +0.1
N43A	Stutzman Famil	82.84 315	P	P	11 38 28.6 +0.2
157A	Early Branch	82.84 305	P	P	11 38 29.3 +0.8
L41A	Preston	82.85 317	P	P	11 38 29.0 +0.6
WCI	Wyandotte Cave	82.85 312	eP	P	11 38 28.8 +0.3
WCI	Wyandotte Cave	82.85 312	eP	P	11 38 28.8 +0.3
WCI	Wyandotte Cave	82.85 312	P	P	11 38 29.5 +1.1
TKL	Tuckaleeches C	82.87 309	P	P	11 38 29.5 +0.9
P45A	Graceland, Par	82.91 314	P	P	11 38 28.6 -0.2
P45A	Graceland, Par	82.91 314	P	P	11 38 29.2 +0.5
R47A	Wooly Knot Far	82.95 312	P	P	11 38 29.5 +0.5
S48A	Wiedeman Farm,	83.06 311	P	P	11 38 30.3 +0.7
U50A	Jamestown	83.08 310	P	P	11 38 30.8 +1.0
T49A	Edmonton	83.09 311	eP	P	11 38 30.4 +0.6
T49A	Edmonton	83.09 311	P	P	11 38 30.2 +0.5
V51A	Loudon	83.15 309	P	P	11 38 30.5 +0.4
HDIL	Hopedale	83.15 315	P	P	11 38 30.4 +0.4
K39A	Oelwein	83.20 318	P	P	11 38 30.1 -0.1
Y54A	Tignall	83.25 307	P	P	11 38 31.9 +1.2
L40A	Anamosa	83.26 317	P	P	11 38 30.8 +0.3
L40A	Anamosa	83.26 317	P	P	11 38 31.4 +0.9
X53A	Estanolee	83.27 307	P	P	11 38 31.8 +1.1
WHY	Whitehorse	83.31 350	eP	P	11 38 30.5 -0.1
M41A	Milan	83.33 316	P	P	11 38 31.1 +0.2
N42A	Yates City	83.40 316	P	P	11 38 31.3 0.0
SCM	Sheep Creek Mo	83.43 356	eP	P	11 38 31.8 +0.7
P44A	Sand Creek, Wi	83.46 314	P	P	11 38 31.9 +0.3
CPCT	Cooper Cave	83.47 309	eP	P	11 38 32.1 +0.3
LHSI	Lahat	83.51 99	P	P	11 38 30.7 -1.5
HYT	Haines Junctio	83.51 351	eP	P	11 38 31.7 0.0
SML	Sawmill	83.51 356	eP	P	11 38 31.5 0.0
MDND	Maddock	83.53 326	eP	P	11 38 31.5 -0.3
MDND	Maddock	83.53 326	P	P	11 38 32.3 +0.5
Q45A	Warren Harvey,	83.56 313	P	P	11 38 32.7 +0.6
ASAJ	Asahikawa	83.59 40	P	P	11 38 32.3 +0.1
X52A	Dahlonega	83.59 308	P	P	11 38 33.5 +1.1
PEA1	Petrovavlovsk-	83.59 26	eP	P	11 38 30.9 -1.1
PETK	Petrovavlovsk-	83.60 26	eP	P	11 38 30.9 -1.1
PETK	Petrovavlovsk-	83.60 26	eP	P	11 41 49.2 +5.2
PETK	Petrovavlovsk-	83.60 26	eP	P	12 21 04.1
PETK	Petrovavlovsk-	83.60 26	eP	P	11 38 31.2 -0.8
PETK	Petrovavlovsk-	83.60 26	eP	P	11 38 31.2 -0.8
S47A	Hartford	83.61 312	P	P	11 38 33.2 +0.8

U49A	Red
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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PTGA Pitinga, W474 Westpoint, S43A Fulton Bridge, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NEW Newport, MSO Missoula, BOZ Bozeman, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WRAB Tennant Creek, WB2 Warramunga Arr, AS31 Alice Springs, etc.

KRSC 06 11:41:02.5±10.0,55:89N-163:21E, h6km±10km, ML3.9, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KBTR Krutoberegovo, SMKR Semkarok, BDR Bairdarnya, etc.

ISCSJ 06 11:45:47.2±5.4, 32.1S; 0.2-177.3W; 0.8, h18km, mb3.5/3, Error ellipse: s-maj=101.7km s-min=15.9km az=14.6

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like URZ Urewera, URZ 0.2nm,0.3s, etc.

IDC 06 11:45:50.1±2.2, 31.9S; 0.2-177.5W; 0.4, h18km, n7, 0.5±1/8, mb3.6/3, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RAO Raoul Island, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 06 11:46:35.5±8.7, 31.68S; 177.71W, h0km, mb3.3/2, mb1 3.5/2, mb1mx3.4/46, mbtm3.3/2, MS3.9/1, Ms1 3.9/1, ms1mx3.0/15, Error ellipse: s-maj=391.7km s-min=66.6km az=158.0, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RAO Raoul Island, ASAR Alice Springs, WRA Warramunga Arr, etc.

MEX 06 12:06:10.0±0.5, 16:00N-98:58W, h3km, MD4.0, Off coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG 0.5h, 2.1s, etc.

ISCSJ 06 12:06:25.6±0.3, 3.51S; 0.03; 138.47E; 0.04, h71km, mb4.4/25, Error ellipse: s-maj=5.7km s-min=4.7km az=170.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG 0.5h, 2.1s, etc.



SANI	Sanana	60.28	279	P	P	12 37 00.3	-1.0
PSA00	Pilbara Seismi	60.69	256	eP		12 37 03.0	-1.1
MEEK	Miekkathara	60.94	250	P	P	12 37 04.7	-1.0
KLBR	Kellerberrin	61.05	244	P	P	12 37 06.4	+0.1
MMRI	Maumere	61.62	271	eP		12 37 09.2	-1.2
MMRI	Maumere	61.62	271	P	P	12 37 09.9	-1.5
EDFI	Ende, Flores	62.10	270	P	P	12 37 12.3	-1.5
MORV	Morawa	62.84	247	P	P	12 37 18.2	-0.1
LUWI	Luwuk	63.64	279	eP		12 37 22.6	-1.2
BKSI	Bulukumba	64.65	273	P	P	12 37 28.8	-1.7
KCP	Kidapawan	64.68	268	i/P		12 37 29.9	-0.9
APSI	Ampana	64.73	279	P	P	12 37 31.3	+0.3
MRSI	Marisa	64.96	280	P	P	12 37 33.4	+0.9
BNSI	Bone	64.97	274	P	P	12 37 33.7	+1.2
KAPI	Kappang	65.10	274	eP		12 37 32.1	-1.3
KAPI	Kappang	65.10	274	eP	pmx	12 37 32.1	-1.3
SPSI	Sidrap Palu	65.43	275	P	P	12 37 34.8	-0.7
PLAI	Plampang	65.77	269	P	P	12 37 37.2	-0.5
CASY	Casey	66.00	205	eP		12 37 39.6	+1.3
MPSI	Mapaga	66.81	279	P	P	12 37 43.8	-0.5
SRBI	Singaraja	68.41	269	P	P	12 37 54.7	+0.3
JAGI	Jajag, Banyuwana	69.30	268	eP		12 37 58.0	-1.9
JAGI	Jajag, Banyuwana	69.30	268	P	P	12 37 58.6	-1.3
GSPA	South Pole Qui	70.46	180	eP		12 38 08.1	+1.8
MJAR	Matushiro Arr	71.26	322	P	P	12 38 10.9	-0.5
MAJO	Matsushiro	71.26	322	eP		12 38 10.6	-0.8
MAJO	Matsushiro	71.26	322	eP	pmx	12 38 10.6	-0.8
MAT	Matsushiro	71.26	322	P	S	12 38 10.7	-0.7
MAT	Matsushiro	71.26	322	eP	S	12 38 10.3	-1.1
MJB9	Matsu-Tunnel	71.64	268	P	P	12 38 13.8	-0.4
PWJI	Pagerwojo	71.64	268	P	P	12 38 13.8	-0.4
PCJI	Pacitan	72.18	267	P	P	12 38 17.3	-0.1
KKM	Kota Kinabalu	72.39	283	eP		12 38 17.7	-0.8
WOJI	Wonogiri, Jawa	72.53	268	P	P	12 38 19.6	+0.1
UGRI	Wanama	72.88	268	eP		12 38 20.6	-1.0
SMRI	Semarang	73.23	268	P	P	12 38 25.2	+1.6
JNU	Nakatsue	73.66	315	eP		12 38 25.1	-0.6
SBUM	Sibu	74.73	278	eP		12 38 32.2	-0.1
SC12	San Clemente I	75.04	36	P	P	12 38 34.5	+0.8
SWG	Pinlang	75.37	301	eP		12 38 33.6	-2.2
SAO	San Andreas G	75.42	42	eP		12 38 36.8	+1.0
SAO	San Andreas G	75.42	42	eP	pmx	12 38 36.8	+1.0
SMMC	Simmler	75.46	44	P	P	12 38 37.5	+1.4
YULB	Yu-li	75.46	302	eP		12 38 34.9	-1.4
CISI	Cisompet, Garu	75.54	267	eP		12 38 35.4	-1.8
PAGB	Antelope	75.55	43	eP		12 38 37.8	+1.2
OSI	Osito Audit: C	75.88	45	P	P	12 38 39.9	+1.3
SSLB	Suanglung	75.93	302	eP		12 38 37.4	-1.6
TPUB	Ta-pu	75.96	301	eP		12 38 37.3	-1.8
LEM	Lembang	75.96	268	P	P	12 38 39.9	+0.2
LEA	Lea	75.97	0.7s	baz=13.5,SNR=22	LR	11 52.4	
ARVC	Arvin	76.11	44	P	P	12 38 41.0	+1.2
KSM	Kuching	76.17	277	eP		12 38 40.1	-0.5
PETK	Petrovavlovsk	76.20	343	P	P	12 38 39.2	-0.6
PETK	Petrovavlovsk	76.20	343	eP		12 38 39.1	-0.8
PEA1	Petrovavlovsk	76.20	343	eP		12 38 39.2	-0.6
KMRM	Mali Ridge	76.25	38	eP		12 38 41.0	+0.5
MURC	Murrieta	76.33	47	P	P	12 38 42.0	+1.0
YES	Vestal, Richgr	76.37	44	P	P	12 38 42.0	+0.8
BFSC	Mount Baldy Ra	76.38	46	P	P	12 38 42.3	+0.9
YSS	Yuzh-Sakhalins	76.44	332	eP		12 38 40.9	-0.4
YSS	Yuzh-Sakhalins	76.44	332	eP		12 38 41.3	0.0
YSS	YSS				pmx	12 38 48.8	
YSS	YSS				pmx		
YSS	YSS				MLR		
MONP2	Monument Peak	76.46	48	P	P	12 38 43.5	+1.4
LPIG	La Paz	76.47	58	LR	LR	13 07 11.5	
EDW2	Edwards Air Fo	76.52	45	P	P	12 38 43.3	+1.2
IKP	In-Ko-Pah, Jac	76.54	48	P	P	12 38 44.2	+1.8
ISA	Isabella, Lake	76.66	44	eP		12 38 43.5	+0.5
ISA	Isabella, Lake	76.66	44	eP	pmx	12 38 43.5	+0.5
ISA	Isabella, Lake	76.66	44	P	P	12 38 44.3	+1.3
O02D	Mt. Diablo Mer	76.76	38	P	P	12 38 44.9	+1.5
PFO	Pinyon Flats O	76.84	47	eP		12 38 44.6	+0.6
PFO	Pinyon Flats O	76.84	47	eP	pmx	12 38 44.6	+0.6
PFO	Pinyon Flats O	76.84	47	P	P	12 38 45.3	+1.2
XPFO	Pion Flat	76.84	47	eP		12 38 44.8	+0.7
CMB	Columbia Colle	76.86	41	eP		12 38 44.5	+0.5
CMB	Columbia Colle	76.86	41	eP	pmx	12 38 44.5	+0.5
BBRC	Big Bear Solar	76.89	46	P	P	12 38 45.3	+0.9
SWSC	Sam W. Stewart	76.92	48	P	P	12 38 46.0	+1.6
AFDM	Forest Hills D	77.07	40	eP		12 38 45.7	+0.5
LRMC	Laurel Mtn Rad	77.08	45	P	P	12 38 46.8	+1.4
ORV	Oroville	77.13	40	eP		12 38 46.0	+0.6
ORV	Oroville	77.13	40	eP		12 38 46.0	+0.6

ORV	ORV						
WDC	Whiskeytown Da	77.16	38	eP	P	12 38 46.4	+0.8
WDC	Whiskeytown Da	77.16	38	eP	pmx	12 38 46.4	+0.8
RRX	Edison Barstow	77.19	46	P	P	12 38 46.3	+0.5
N02D	Trinity Center	77.32	38	P	P	12 38 48.1	+1.6
BELC	Belle Mtn. Jos	77.37	47	P	P	12 38 48.4	+1.3
CWC	Cottonwood Cre	77.38	44	P	P	12 38 48.3	+1.2
O03E	Paynes Creek	77.42	39	P	P	12 38 47.8	+0.7
MDPB	Devils Postpil	77.44	42	eP		12 38 48.5	+1.0
M02C	Callahan	77.51	37	P	P	12 38 49.3	+1.7
MPMC	Manual Prospec	77.54	44	P	P	12 38 49.6	+1.5
BCP3	Big Chuckwall	77.56	47	P	P	12 38 49.5	+1.4
GSC	Goldstone, Bar	77.56	45	eP		12 38 48.8	+0.8
GSC	Goldstone, Bar	77.56	45	eP	pmx	12 38 48.8	+0.8
GSC	Goldstone, Bar	77.56	45	P	P	12 38 49.4	+1.3
MLAC	Mammoth, Mammo	77.59	42	P	P	12 38 49.6	+1.3
DAC	Darwin (Caiff)	77.60	44	eP		12 38 49.5	+1.2
DAC	Darwin (Caiff)	77.60	44	eP	pmx	12 38 49.6	+1.2
HEC	Hector,Ludlow	77.61	46	P	P	12 38 49.1	+0.8
TIN	Tinaha, Big	77.64	43	P	P	12 38 50.0	+1.5
GLA	Glamis	77.66	48	eP		12 38 49.7	+1.1
GLA	Glamis	77.66	48	eP	pmx	12 38 49.7	+1.1
GLA	Glamis	77.66	48	P	P	12 38 49.6	+1.1
WAKR	Walker	77.74	41	eP		12 38 49.4	+0.3
YBH	Yreka Blue Hor	77.81	37	eP		12 38 50.0	+0.7
YBH	Yreka Blue Hor	77.81	37	eP	pmx	12 38 50.0	+0.7
K02D	Williamette Mer	77.90	36	P	P	12 38 51.2	+1.5
PNTR	Pine Nut	78.01	40	eP		12 38 51.4	+0.9
BEKR	Beckworth	78.01	40	eP		12 38 51.2	+0.6
GMRC	Granite Mounta	78.04	46	P	P	12 38 51.9	+1.1
IRM	Iron Mountain	78.05	47	P	P	12 38 52.3	+1.6
J01E	Myrtle Point	78.06	36	P	P	12 38 51.2	+0.7
VCNR	Virginia City	78.09	41	eP		12 38 51.6	+0.6
GRAC	Grapevine Rang	78.17	44	P	P	12 38 53.0	+1.7
KSRS	Korea Array	78.18	317	P	P	12 38 52.2	+1.0
FURC	Furnace Creek,	78.19	44	P	P	12 38 52.5	+1.2
KS15	Wop Array Si	78.19	317	eP		12 38 51.1	-0.2
KS01	Wonju Array Si	78.21	317	eP		12 38 51.1	-0.3
TUQ	Turquoise Moun	78.23	46	P	P	12 38 52.9	+1.1
SHOC	Shoshone, Teco	78.26	45	P	P	12 38 53.1	+1.4
Y12C	Blythe	78.26	48	eP		12 38 52.7	+0.9
Y12C	Blythe	78.26	48	P	P	12 38 53.0	+1.2
M04C	Macdoel	78.34	38	P	P	12 38 53.5	+1.2
L04D	Klamath Falls	78.35	37	P	P	12 38 52.9	+0.6
RYN	Ryan	78.39	42	eP		12 38 53.3	+0.7
NV01	Mina Array Sit	78.41	42	eP		12 38 53.4	+0.6
NVAR	Mina Array Bea	78.41	42	P	P	12 38 54.0	+1.2
NV11	Mina Array Sit	78.42	42	eP		12 38 53.9	+0.7
PAHR	Pah Rah Rang	78.50	40	eP		12 38 53.9	+0.7
214A	Organ Pipe Nat	78.51	50	P	P	12 38 54.9	+1.6
LDFC	Landfair	78.58	46	eP		12 38 54.5	+0.7
I03D	Drain, OR	78.73	35	P	P	12 38 54.8	+0.6
PDMC1	Parker Dam,Lak	78.82	47	P	P	12 38 56.3	+1.4
TPNV	Topopah Spring	78.87	44	eP		12 38 56.0	+0.7
TPNV	Topopah Spring	78.87	44	eP	pmx	12 38 56.0	+0.7
TPNV	Topopah Spring	78.87	44	P	P	12 38 56.4	+1.1
KVN	Kaisererville	78.91	42	eP		12 38 56.1	+0.6
KVN	Kaisererville	78.91	42	eP	pmx	12 38 56.1	+0.6
K04D	Chiloquin, OR	78.93	37	P	P	12 38 56.8	+1.4
J04D	Umpqua Nationa	79.12	36	P	P	12 38 57.4	+0.9
MOD	Modoc Plateau	79.31	38	eP		12 38 58.0	+0.4
I04A	Tendick Farm,	79.31	36	P	P	12 38 58.9	+1.5
KDAK	Kodiak Island	79.31	12	eP		12 38 57.0	0.0
KDAK	Kodiak Island	79.31	12	eP	pmx	12 38 57.0	0.0
SHPR	Sheep Range	79.34	45	eP		12 38 58.3	+0.4
Y14A	Wickenburg	79.42	48	eP		12 38 59.0	+0.8
W13A	Hualapai Mount	79.43	47	eP			

6d 12h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like LLLB Lilloet, C09A Chrisman Ranch, KLU Kutina, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like COLA College, MDM Murphy Dome, LKWKY Lake, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like DGMT Dagmar, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table of astronomical objects with columns for name, coordinates, magnitude, and other parameters. Includes objects like MKAR Makanichi Array, FRB Frobeniser Bay, KURK Kurchatov, etc.

Table of astronomical objects with columns for name, coordinates, magnitude, and other parameters. Includes objects like ANDN, SAIM ADANA, KSP Ksiaz, etc.

Table of astronomical objects with columns for name, coordinates, magnitude, and other parameters. Includes objects like GRFO, ARR Arges, MODS Modra-Piesok, etc.

BUI 06 12:27:52.9, 4.18S; 142.89E, h114km, mb5.2/60, mB5.1/32
ISCJBJ 06 12:27:54.0, 4.17S; 102.142, 56E:0.03, h115km,
mb5.0/113, Error ellipse: s-maj=3.8km s-min=2.9km
az=1.6
MOS ellipse: s-maj=1.0, 7km s-min=5.5km az=103.7
NEIC 06 12:27:56.0, 4.20S; 142.50E, h127km, mb5.1/72,
Error ellipse: s-maj=3.5km s-min=3.1km az=105.0
IDC 06 12:27:56.0, 4.0, 4.16S; 142.56E, h120km, mb4.6/29,
mb1.4/736, mb1mx4.6/49, mbmp5.0/36, MS3.5/5,
M1 3.5/5, m1mx3.1/33, Error ellipse: s-maj=11.5km
s-min=7.4km az=74.0
DJA 06 12:27:57.0, 4.4, 4.17S; 143.22E, h97km, mb5.4/82,
mb5.3/27, mB5.3/18, MLV, 13m, (MWB) 6.4/718
ISC 06 12:27:55.8, 0.2, 4.22S; 103.142, 51E:0.04, h115km, n337,



6d 12h

Code	Station Name	°A°	AZ°	Phase	ID	ISC	Op	Time	Res
Code	Station Name	°A°	AZ°	Phase	ID	ISC	Op	h m s	ISC
JAY	Jayapura	2.48	313	S	3	Pn		12 28 35.2	+0.1
JAY	Jayapura	2.48	313	S	3	Pn		12 29 03.4	-2.0
JAY	Jayapura	2.48	313	P	3	Pn		12 28 35.2	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 29 04.0	-1.4
JAY	Jayapura	2.48	313	P	3	Pn		12 28 41.6	+1.7
JAY	Jayapura	2.48	313	P	3	Pn		12 29 14.6	+0.7
JAY	Jayapura	2.48	313	P	3	Pn		12 29 14.0	+1.1
JAY	Jayapura	2.48	313	P	3	Pn		12 29 36.1	+1.5
JAY	Jayapura	2.48	313	P	3	Pn		12 30 48.0	-3.9
JAY	Jayapura	2.48	313	P	3	Pn		12 32 35.8	
JAY	Jayapura	2.48	313	P	3	Pn		12 29 35.6	+0.9
JAY	Jayapura	2.48	313	P	3	Pn		12 30 50.2	-1.7
JAY	Jayapura	2.48	313	P	3	Pn		12 30 12.4	+1.0
JAY	Jayapura	2.48	313	P	3	Pn		12 30 14.4	+2.0
JAY	Jayapura	2.48	313	P	3	Pn		12 30 13.1	+0.8
JAY	Jayapura	2.48	313	P	3	Pn		12 30 19.6	-1.2
JAY	Jayapura	2.48	313	P	3	Pn		12 31 11.4	+3.3
JAY	Jayapura	2.48	313	P	3	Pn		12 30 40.8	+1.2
JAY	Jayapura	2.48	313	P	3	Pn		12 32 42.2	-6.3
JAY	Jayapura	2.48	313	P	3	Pn		12 30 55.4	-1.0
JAY	Jayapura	2.48	313	P	3	Pn		12 31 10.3	+1.8
JAY	Jayapura	2.48	313	P	3	Pn		12 31 10.6	-0.4
JAY	Jayapura	2.48	313	P	3	Pn		12 31 10.1	-1.0
JAY	Jayapura	2.48	313	P	3	Pn		12 33 38.5	-8.5
JAY	Jayapura	2.48	313	P	3	Pn		12 31 33.7	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 31 40.3	+5.4
JAY	Jayapura	2.48	313	P	3	Pn		12 31 38.2	+0.4
JAY	Jayapura	2.48	313	P	3	Pn		12 31 37.3	-0.5
JAY	Jayapura	2.48	313	P	3	Pn		12 31 37.3	-0.5
JAY	Jayapura	2.48	313	P	3	Pn		12 31 41.9	+0.8
JAY	Jayapura	2.48	313	P	3	Pn		12 31 42.7	-0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 31 52.5	0.0
JAY	Jayapura	2.48	313	P	3	Pn		12 31 51.7	-0.8
JAY	Jayapura	2.48	313	P	3	Pn		12 31 51.0	-1.7
JAY	Jayapura	2.48	313	P	3	Pn		12 31 52.8	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 32 17.7	+3.7
JAY	Jayapura	2.48	313	P	3	Pn		12 32 03.7	-5.4
JAY	Jayapura	2.48	313	P	3	Pn		12 31 54.9	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 31 56.1	0.0
JAY	Jayapura	2.48	313	P	3	Pn		12 38 57.4	
JAY	Jayapura	2.48	313	P	3	Pn		12 32 08.3	+0.3
JAY	Jayapura	2.48	313	P	3	Pn		12 32 35.5	-1.7
JAY	Jayapura	2.48	313	P	3	Pn		12 32 10.6	+0.7
JAY	Jayapura	2.48	313	P	3	Pn		12 32 13.9	+1.8
JAY	Jayapura	2.48	313	P	3	Pn		12 32 11.1	-0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 32 11.0	-0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 32 18.0	-0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 32 18.4	+0.5
JAY	Jayapura	2.48	313	P	3	Pn		12 32 25.2	+4.6
JAY	Jayapura	2.48	313	P	3	Pn		12 32 26.6	+5.3
JAY	Jayapura	2.48	313	P	3	Pn		12 32 19.4	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 32 28.6	+6.6
JAY	Jayapura	2.48	313	P	3	Pn		12 32 25.9	-0.2
JAY	Jayapura	2.48	313	P	3	Pn		12 32 27.4	+1.2
JAY	Jayapura	2.48	313	P	3	Pn		12 32 31.0	+0.9
JAY	Jayapura	2.48	313	P	3	Pn		12 32 26.1	-0.7
JAY	Jayapura	2.48	313	P	3	Pn		12 32 29.9	-0.6
JAY	Jayapura	2.48	313	P	3	Pn		12 32 30.6	0.0
JAY	Jayapura	2.48	313	P	3	Pn		12 32 31.9	-0.8
JAY	Jayapura	2.48	313	P	3	Pn		12 32 31.1	+0.4
JAY	Jayapura	2.48	313	P	3	Pn		12 32 35.0	+1.4
JAY	Jayapura	2.48	313	P	3	Pn		12 32 24.8	+6.0
JAY	Jayapura	2.48	313	P	3	Pn		12 42 31.3	
JAY	Jayapura	2.48	313	P	3	Pn		12 32 34.4	+3.2
JAY	Jayapura	2.48	313	P	3	Pn		12 32 36.0	+4.6
JAY	Jayapura	2.48	313	P	3	Pn		12 32 31.4	-0.8
JAY	Jayapura	2.48	313	P	3	Pn		12 32 35.9	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 41 22.7	
JAY	Jayapura	2.48	313	P	3	Pn		12 32 35.4	-0.3
JAY	Jayapura	2.48	313	P	3	Pn		12 32 34.6	-1.2
JAY	Jayapura	2.48	313	P	3	Pn		12 32 44.7	+3.6
JAY	Jayapura	2.48	313	P	3	Pn		12 32 45.1	+0.6
JAY	Jayapura	2.48	313	P	3	Pn		12 32 46.2	+1.7
JAY	Jayapura	2.48	313	P	3	Pn		12 32 49.2	+2.5
JAY	Jayapura	2.48	313	P	3	Pn		12 32 47.0	+0.2
JAY	Jayapura	2.48	313	P	3	Pn		12 32 49.4	+1.5
JAY	Jayapura	2.48	313	P	3	Pn		12 32 52.2	+4.1
JAY	Jayapura	2.48	313	P	3	Pn		12 32 52.6	+2.4
JAY	Jayapura	2.48	313	P	3	Pn		12 32 53.5	+2.1
JAY	Jayapura	2.48	313	P	3	Pn		12 33 07.8	+0.5
JAY	Jayapura	2.48	313	P	3	Pn		12 33 14.6	+5.5
JAY	Jayapura	2.48	313	P	3	Pn		12 33 32.0	+2.0
JAY	Jayapura	2.48	313	P	3	Pn		12 33 32.6	+0.9
JAY	Jayapura	2.48	313	P	3	Pn		12 33 58.1	+0.9
JAY	Jayapura	2.48	313	P	3	Pn		12 37 53.0	-1.1
JAY	Jayapura	2.48	313	P	3	Pn		12 33 32.6	+0.9
JAY	Jayapura	2.48	313	P	3	Pn		12 33 31.8	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 33 35.7	+0.1
JAY	Jayapura	2.48	313	P	3	Pn		12 33 46.0	+0.5
JAY	Jayapura	2.48	313	P	3	Pn		12 33 45.0	-0.5
JAY	Jayapura	2.48	313	P	3	Pn		12 33 47.6	+0.7
JAY	Jayapura	2.48	313	P	3	Pn		12 33 47.1	+0.2

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HTT	Hallett	29.25	186	P	P	12 33 47.9	+0.8
FORT	Forrest	29.73	206	P	P	12 33 52.3	+1.0
FORT	Forrest	29.73	206	eP	P	12 33 51.4	+0.1
YNG	Young	30.42	170	P	P	12 33 59.5	+2.1
LHI	Lord Howe Island	31.30	152	P	P	12 34 04.8	-0.3
MEEK	Meekeatharra	31.93	223	P	P	12 34 11.5	+0.7
UGM	Wanagana	32.01	262	eP	P	12 34 11.0	-0.7
ARPS	Mount Arapiles	32.40	181	P	P	12 34 16.4	+1.7
GIRL	Giralia	32.92	234	P	P	12 34 19.5	+0.1
KMBL	Kambalda	33.25	213	P	P	12 34 23.1	+0.9
KPJJ	Karang Pucung	33.55	263	P	P	12 34 26.0	+1.0
CISI	Cisampet, Garu	34.66	263	eP	P	12 34 33.3	-1.5
LEM	Lembang	34.82	264	P	P	12 34 36.2	0.0
MORW	Morawa	35.23	223	eP	P	12 34 40.4	+1.1
MORW	Morawa	35.23	223	eP	P	12 34 39.6	+0.3
BLDU	Ballidu	35.80	220	P	P	12 34 45.1	+0.9
KLBR	Kellerberrin	35.81	218	P	P	12 34 45.3	+1.0
MUN	Mundaring	37.03	219	P	P	12 34 55.7	+1.1
NWAO	Narogin (SRO)	37.06	217	P	P	12 34 56.0	+1.1
NWAO	Narogin (SRO)	37.06	217	eP	P	12 34 54.9	0.0
NWAO	Narogin (SRO)	37.06	217	eP	P	12 34 54.9	0.0
NWAO	Narogin (SRO)	37.06	217	eP	P	12 34 54.9	0.0
MDSI	Maura Dua	38.22	268	P	P	12 35 05.4	+0.5
MOO	Moorandans	38.29	174	P	P	12 35 08.1	+3.0
MOJ	Moo	38.74	344	eP	P	12 35 08.5	-0.5
MJAR	Matsushiro	40.75	355	P	P	12 35 24.4	-1.1
MJAR	Matsushiro	40.75	355	eP	P	12 35 24.2	-1.4
MAJO	Matsushiro	40.75	355	eP	P	12 35 24.2	-1.4
MAJO	Matsushiro	40.75	355	eP	P	12 35 24.2	-1.4
MAT	Matsushiro	40.75	355	eP	P	12 35 24.4	-1.2
NJ2	Nanjing	42.51	330	eP	P	12 35 41.4	+1.4
NJ2	Nanjing	42.51	330	eP	P	12 35 41.4	+1.4
KS15	Wonju Array Si	43.63	343	eP	P	12 35 48.6	-0.3
KSR5	Korea Array	43.63	343	eP	P	12 35 49.0	+0.2
KSR5	Korea Array	43.63	343	eP	P	12 35 49.0	+0.2
KS01	Wonju Array Si	43.66	343	eP	P	12 35 48.2	-0.9
PSI	Prapa	44.11	278	P	P	12 35 52.9	-0.4
PSI	Prapa	44.11	278	P	P	12 35 52.9	-0.4
PSI	Prapa	44.11	278	P	P	12 36 20.1	+0.3
PSI	Prapa	44.11	278	P	P	12 36 21.1	-1.2
GYA	Guyang	46.19	313	eP	P	12 35 11.8	+2.3
GYA	Guyang	46.19	313	eP	P	12 35 11.8	+2.3
URZ	Urewera	46.26	142	P	P	12 36 10.9	+1.1
DCZ	Deep Cove	46.38	156	eP	P	12 36 10.9	+0.4
MLZ	Mavora Lakes	46.70	155	eP	P	12 36 14.0	+0.9
TIA	Tai'an	46.71	332				

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ZAA1, NIL, Zalesovo Array, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JCT, FRB, GEC2, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LPAZ, CFA, CFC, etc.

KRSC 06:12:29:51.8-10.0,50.72N-160.13E,h0km,10km,ML3,6, East of Kuril Islands

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

IDC 06:12:37:52.2:3.1,31.775N:178.09W,h0km,mb3.4/2, mb1.3/8,3,mb1mx3.5/36,mbtm3.6/3,ML2.6/1,Error ellipse: s-maj=70.8km s-min=36.5km az=113.0, Kermadec Islands region

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

ISCJB 06:12:38:13.0:1.1,34.57N:0.06:24.15E:0.04,h22km,5km, mb3.8/12,Error ellipse: s-maj=10.1km s-min=4.9km

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

ISC 06:12:38:14.8:0.9,34.73N:0.05:24.18E:0.03,h25km,5km, n66,+178/80,mb3.8/12,Crete

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



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

IDC 06 12:41:33.3, 1.7, 34:59N, 24:13E, h0km, mb3.4/1, mb1 3.4/4, mb1mx3.2/58, mbtmp4.3/4, ML3.2/3, Error ellipse: s-maj=43.8km s-min=14.0km az=130.0

ISCJB 06 12:41:36.3, 1.3, 34:67N, 0:07:24.04E, 0.05, 0.18km, 7km, mb3.5/2, Error ellipse: s-maj=12.2km s-min=5.3km az=17.8

ATH 06 12:41:37.2, 34:78N, 24:09E, h23km, ML3.2/11, Error ellipse: s-maj=2.3km s-min=1.0km az=201.0

THE 06 12:41:39.6, 34:87N, 24:19E, h7km, 2km, ML3.1/5, Error ellipse: s-maj=2.5km s-min=0.9km az=188.0

ISC 06 12:41:36.5, 1.0, 34:71N, 0:06:24.12E, 0.03, h24km, 6km, n46, 1567/60, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GVD, SIVA, VAMOS, KERA, CHAN, ANFY, etc.

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

ISCJB 06 13:18:18.7, 5.1, 32:05S, 0:2:17.7W, 0.7, h18km, mb4.1/4, MS3.9/4, Error ellipse: s-maj=92.1km s-min=14.1km az=13.0

IDC 06 13:18:20.5, 2.1, 31:90S, 0:17:73.7W, h0km, mb4.2/4, mb1 4.3/5, mb1mx3.9/28, mbtmp4.1/5, ML3.8/1, MS3.9/5, s-min=31.2km az=31.7

ISC 06 13:18:22.4, 1.8, 31:95S, 0:2:17.7W, 0.3, h18km, n12, 0:05:9, mb4.2/4, MS4.0/4, Kermadec Islands region

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

ISCJB 06 13:26:31.3, 3.6, 31:95S, 0:1:17.7W, 0.5, h18km, mb4.2/4, MS3.5/1, Error ellipse: s-maj=66.7km s-min=7.5km az=12.1

IDC 06 13:26:33.1, 1.6, 31:78S, 0:17:69W, h0km, mb4.2/4, mb1 4.3/6, mb1mx4.0/26, mbtmp4.2/6, ML4.1/2, MS3.6/2, Ms1 3.5/2, ms1mx2.9/37, Error ellipse: s-maj=41.7km s-min=24.1km az=119.0

ISC 06 13:26:35.0, 1.5, 31:84S, 0:10:17.7W, 0.2, h18km, n12, 0:10:13, mb4.2/4, Kermadec Islands region

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

IDC 06 13:48:36.8, 3.2, 31:77S, 0:17:73.7W, h0km, mb3.5/2, mb1 3.8/3, mb1mx3.6/30, mbtmp3.6/3, ML3.0/1, Error ellipse: s-maj=73.8km s-min=36.7km az=114.0, Kermadec Islands region

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

IDC 06 14:00:55.0, 2.7, 6:76S, 131:37E, h60km, 35km, mb3.5/1, mb1 3.9/5, mb1mx3.4/35, mbtmp3.9/5, ML3.9/4, Error ellipse: s-maj=85.6km s-min=24.0km az=88.0, Tanimbar Islands region

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

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

NIED 06 14:25:00.44, 10N, 148.10E, h56km, Mw4.0 Best double couple: M1:00000x1015 N1:0241.00000, 0.32, 0.00000, 1.710.00000, NP2:0340.00000, 0.85, 0.00000, 0.59, 0.00000

JMA 06 14:25:03.7, 0.3, 44:06N, 148:08E, h0km, M4.8, MOS 06 14:25:04.3, 1.1, 44:50N, 148:22E, h67km, mb4.0/7, Error ellipse: s-maj=10.5km s-min=1.2km az=74.8

MOS Felt (II-II) at Reydovo, (II) at Kuril'sk, ISCJB 06 14:25:04.0, 0.7, 44:44N, 0:04:148.23E, 0.06, h63km, 5km, mb3.7/18, Error ellipse: s-maj=8.8km s-min=4.5km az=38.5

SKHL 06 14:25:05.0, 0.4, 44:46N, 148:31E, h74km, 5km, mb3.5/3 SKHL Felt (II-II) at Reidovo; (II) at Kuril'sk, IDC 06 14:25:08.1, 2.6, 44:58N, 148:15E, h82km, 23km, mb3.5/15, mb1 3.7/19, mb1mx3.6/48, mbtmp3.8/19, MS3.2/7, Ms1 3.2/7, ms1mx2.9/40, Error ellipse: s-maj=19.1km s-min=12.7km az=136.0

ISC 06 14:25:04.7, 1.2, 44:40N, 0:05:148:29E, 0.07, h53km, 10km, n87, 1504/90, 1418, MS3.4/3, 1C-3D, Kuril Islands

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

6d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, PETK Petrovlovsk, MJAR Matsushiro Arr, USRK Ussuriysk Arr, KLR Kul'dur, etc.

MAN 06 14:29:56.5, 7.12N, 125.47E, h72km, mb3.5, ML2.2, MS1.6, 2C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KCP Kidapawan, CTBH Cotabato-PC H, etc.

ISCJB 06 14:44:40.8, 1.0, 38.83N, 105.142E, 0.1, h50km, 7km, mb3.7/8, Error ellipse: s-maj=15.4km s-min=6.6km az=19.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ Ofunato, KJMT Kesennumototy, etc.

2013 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy 28.70 124 T, H1N1 WAKE ISLAND Hy 28.71 125 T, etc.

IDC 06 14:48:36.9, 3.31, 55S, 177.80W, h0km, mb3.4/2, mb1.3/3, mb1mx3.5/41, mbtmp3.4/3, Error ellipse: s-maj=75.9km s-min=47.1km az=117.0, Kermadec Islands region

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

IDC 06 15:25:24.6, 27.0, 22.04S, 173.03W, h0km, mb4.0/4, mb1.4/1.4, mb1mx3.7/24, mbtmp4.0/4, Error ellipse: s-maj=500.6km s-min=157.9km az=76.0, Tonga Islands region

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

ISK 06 15:31:27.9, 41.05N, 42.49E, h5km, ML3.0/9 TIF 06 15:31:27.4, 41.05N, 42.55E, h18km, DDA 06 15:31:27.7, 41.04N, 42.59E, h7km, 2km, ML3.1

ISCJB 06 15:31:30.3, 0.3, 40.93N, 102.42E, 46E, 0.03, h33km, Error ellipse: s-maj=3.5km s-min=3.2km az=143.3

NORS 06 15:31:30.9, 0.4, 1.38N, 42.54E, h1km, MIPV43.5 ISC 06 15:31:27.4, 41.05N, 42.55E, h18km, 10km, n37, -0.676/61, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EPOS Posof, EPOS Agillar, DAGI Senkaya-Erzuru, etc.

MAN 06 14:29:56.5, 7.12N, 125.47E, h72km, mb3.5, ML2.2, MS1.6, 2C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BTNK Botanikuri, GNI Gani, etc.

ISCJB 06 15:46:55.3, 0.7, 3.47S, 102.06W, 138.48E, 0.09, h71km, mb3.3/3, Error ellipse: s-maj=15.8km s-min=7.2km az=43.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TBGL Delisi, BTNK Botanikuri, GNI Gani, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAY Jayapura, JAY Stephens Creek, MTN Manton Dam, etc.

ISCJB 06 15:51:50.1, 0.3, 57.19N, 150.02, 138.30W, 0.04, h10km, mb3.6/4, Error ellipse: s-maj=3.9km s-min=2.5km az=37.2

NEIC 06 15:51:51.6, 0.4, 57.09N, 138.31W, h10km, ML3.7(AEIC), Error ellipse: s-maj=5.6km s-min=3.5km az=20.0

IDC 06 15:51:52.8, 1.1, 57.26N, 138.26W, h0km, mb3.6/4, mb1.3/9/10, mb1mx3.5/55, mbtmp3.8/10, ML3.7/6, Error ellipse: s-maj=19.5km s-min=11.8km az=35.0

PGC 06 15:51:53.4, 3.7, 57.22N, 138.24W, h10km, ML3.7, ML3.7/12, 176km west of Sitka, AK Off Coast Of Southeastern Alaska

AEIC 06 15:51:57.2, 0.0, 57.14N, 138.18W, h2km ISC 06 15:51:52.0, 1.0, 57.19N, 104.43E, 26W, 0.04, h10km, n21, -2.03/154, mb3.6/4, Off coast of southeastern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIT Sitka, BESE Bessie Mountai, BESE Bessie Mountai, etc.

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

ISCJB 06 15:52:49.0, 0.51, 47N, 01.16, 21E, 0.03, h0km, Error ellipse: s-maj=2.3km s-min=2.0km az=147.6...

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

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

MEX 06 16:02:08.0-0.5, 17.13N, 100.81W, h27km, 12km, MD3.7, Guerrero

MEX 06 16:32:35.2, 0.6, 14.79N, 93.45W, h16km, 124km, MD3.7, Near coast of Chiapas

HEL 06 16:33:14.1, 0.5, 67.87N, 20.52E, h0km, ML1.5, Explosion BER 06 16:33:14.1, 2.3, 67.87N, 20.18E, h0km, ML1.2, Suspected explosion, Sweden

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

HEL 06 16:34:22.0, 0.0, 67.18N, 20.66E, h0km, ML2.1, ML2.2 (UPP), Explosion ISC 06 16:34:21.1, 0.7, 67.18N, 0.02, 20.69E, 0.02, h0km, n35, 0.088/53, Sweden

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

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

ISCJB 06 17:08:33.6, 0.6, 56.57S, 0.09, 26.1W, 0.2, h100km, mb4.5/12, Error ellipse: s-maj=19.3km s-min=8.1km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HOPE, VNA1, VNA3, etc.



6nd 18h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Wanda, Limon Verde, IROC Station P, etc.

ISCJB 06 17:25:57.0, 4.29, 73N, 0.04, 129.58E, 0.08, h163km, 3km, mb2.56, Error ellipse: s-maj=12.6km, s-min=3.9km, az=24.5

IDC 06 17:25:57.5, 1.0, 29, 72N, 129.56E, h150km, 10km, mb3.3/6, mb1.3/5.11, mb1mx3.2/4.7, mbtmp3.9/11, Error ellipse: s-maj=23.9km s-min=9.3km az=105.0

JMA 06 17:25:58.0, 2.1, 29, 72N, 129.67E, h159km, 1km, M4.1

ISC 06 17:25:58.0, 0.8, 29, 75N, 129.52E, 0.08, h159km, 6km, n29, c0.93/45, mb3.5/6, Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Nakanoshima, Takarajima, Kuchinoerabu, etc.

IDC 06 17:40:20.9, 1.5, 7, 11S, 128.90E, h0km, mb3.8/2, mb1.3/9.5, mb1mx3.6/2.1, mbtmp3.8/5, ML3.9/0, Error ellipse: s-maj=60.3km s-min=26.3km az=85.0, Banda Sea

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

KRNET 06 17:52:44.0, 0.1, 41, 19N, 78.78E, mb2.7

SOME 06 17:52:46.9, 4.1, 22N, 78.73E, h15km

NINC 06 17:52:48.6, 1.1, 41, 29N, 78.68E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=7.4km s-min=5.0km az=166.0

ISC 06 17:52:46.4, 1.7, 41, 16N, 0.07, 78.67E, 0.04, h10km, n43, c131/67, 6C-10D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Taragay, Kajsay, Uzynbulak, etc.

IDC 06 17:25:57.5, 1.0, 29, 72N, 129.56E, h150km, 10km, mb3.3/6, mb1.3/5.11, mb1mx3.2/4.7, mbtmp3.9/11, Error ellipse: s-maj=23.9km s-min=9.3km az=105.0

JMA 06 17:25:58.0, 2.1, 29, 72N, 129.67E, h159km, 1km, M4.1

ISC 06 17:25:58.0, 0.8, 29, 75N, 129.52E, 0.08, h159km, 6km, n29, c0.93/45, mb3.5/6, Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Kotyrybulak, Katsel, MNB5, etc.

ARL5 Aral 3.34 284 //P Pn 17 53 40.5 +1.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KAP5, KAPS, etc.

ISCJB 06 18:02:47.7, 0.6, 1, 74S, 0.09, 67.84E, 0.08, h15km, mb2.2/9, MS3.5/7, Error ellipse: s-maj=13.0km, s-min=10.7km, az=160.4

IDC 06 18:02:47.3, 0.8, 1, 76S, 67.76E, h0km, mb3.9/14, mb1.4/0.14, mb1mx3.8/4.6, mbtmp3.9/14, MS3.5/8, Ms1.3.6/8, ms1mx3.2/4.2, Error ellipse: s-maj=22.5km s-min=20.3km az=146.0

NEIC 06 18:02:48.5, 1.8, 1, 78S, 67.89E, h10km, 3km, mb4.4/19, Error ellipse: s-maj=17.8km s-min=10.5km az=209.0

ISC 06 18:02:49.5, 0.7, 1, 85S, 0.1, 67.9E, 0.1, h15km, n50, c0.85/44, mb4.2/29, MS3.4/7, Carlsberg Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Diego Garcia H, Palleke, Ambohitratompo, etc.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CEY Ljubljana, SRS Serrai, SOKA Soboth, OBKA Obir, ARSA Arzberg, etc.

ISCJB 06 19:37:01.1±0.6, 5.71S; 131.20E±0.09, h33km, mb3.9/7, Error ellipse: s-maj=12.8km s-min=6.3km az=3.3

ISC 06 19:37:03.9±0.7, 5.81S; 120.05±13.12E±0.1, h35km, n19,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Code Station Name, SJIJ Sorong, BATI Baumenta, etc.

SJA 06 19:37:13.3±0.5, 31.26S; 68.35W, h32km, 2km, ML2.0, MW3.6, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTCL Cerro Villium, AMOG MOGNA, etc.

IDC 06 19:44:08.3±1.4, 32.15N; 49.77E, h0km, mb3.5/9, mb1.3/7.12, mb1mx3.6/4.5, mbtmp3.6/12, ML3.6/4, Error ellipse: s-maj=30.1km s-min=19.6km az=17.2

ISCJB 06 19:44:09.0±0.6, 31.95N; 0.06±49.82E±0.04, h15km, mb3.6/11, Error ellipse: s-maj=7.9km s-min=4.5km az=2.8

TEH 06 19:44:10.4, 32.16N; 49.84E, h8km, ML3.6

THR 06 19:44:14.1, 32.23N; 49.80E, h46km, ML3.5

ISC 06 19:44:10.1±0.6, 32.00N; 0.05±49.79E±0.04, h15km, n56, e207/57, mb3.5/11, Western Iran

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JHBN Jahon bin, SHGR Shooshtar-Gavs, etc.

KRSC 06 19:48:00.1±10.0, 59.39N; 164.35E, h96km, 10km, ML3.6, Kamchatka Peninsula

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

SJA 06 19:54:34.9±0.3, 31.39S; 68.84W, h106km, 3km, ML2.0, MW3.7, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTVC Cerro Valdivia, AMOG MOGNA, etc.

IDC 06 19:57:41.6±0.5, 16.36N; 147.39E, h0km, mb4.3/23, mb1.4/5.24, mb1mx4.3/5.6, mbtmp4.4/24, ML4.2/1, MS3.7/21, Ms1.3/7.21, ms1mx3.5/4.2, Error ellipse: s-maj=18.5km s-min=10.8km az=101.0

ISCJB 06 19:57:44.0±0.2, 16.27N; 0.03±147.38E±0.04, h33km, mb4.7/135, MS3.8/26, Error ellipse: s-maj=5.8km s-min=4.2km az=19.5

BUI 06 19:57:44.8, 16.46N; 147.57E, h38km, mb4.8/30, mb5.1/22, Ms4.7/5, Ms7.4/5

MOS 06 19:57:44.0±0.9, 16.28N; 147.31E, h33km, mb5.0/49, Error ellipse: s-maj=11.0km s-min=6.7km az=114.4

NEIC 06 19:57:48.0±0.6, 16.22N; 147.35E, h60km, 5km, mb4.8/82, Error ellipse: s-maj=4.3km s-min=3.1km az=92.0

ISC 06 19:57:46.0±0.4, 16.24N; 0.05±147.42E±0.07, h35km, n253, e1919/233, mb4.7/135, MS3.8/26, 6C-2D, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Code Station Name, SARAN Sarigan, ANAZ Anatahan, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Alice Springs, Chengdu, Mont Dzumac, etc.

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

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

ISCJB 06 20:02:33.4±0.4, 43:80N±0.03; 105:18W±0.04, h0km, Error ellipse: s-maj=4.5km s-min=4.2km az=161.4
NEIC 06 20:02:34.9±0.2, 43:78N±0.05; 170W, h0km, ML3.1, Error ellipse: s-maj=3.2km s-min=2.8km az=53.0, Suspected Mining explosion.
NEIC 63 km (39 miles) SSE of Gillette, ANF 06 20:02:34.9±0.6, 43:75N±0.05; 25W, ML3.5/11, Error ellipse: s-maj=7.7km s-min=3.4km az=91.0
IDC 06 20:02:35.2±1.6, 43:88N±0.05; 48W, h0km, mb1 3.6/5, mb1mx3.4/5, mb1mp3.3/5, ML3.0/4, Error ellipse: s-maj=47.8km s-min=8.3km az=147.0
ISC 06 20:02:34.7±0.9, 43:81N±0.05; 105:16W±0.05, h0km, n65, 0572/67, Wyoming
Code Station Name Δ Az° Phase ID Time Res h m s ISC
RSSD Black Hills 0.87 62° Op Pb 20 02 53.0 ±0.1



6sd 21h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RSD Black Hills, K22A Casper, K22A Casper, etc.

ISCJB 06:20:27:15.8-0.9, 63.9N:02:174.2E:0.2, h10km, mb3/8/11, Error ellipse: s-maj=26.9km s-min=11.3km az=172.5

ISC 06:20:27:14.4-1.2, 63.9N:174.09E, h0km, mb3, 7/10, mb1 3/12, mb2 2/18, mb3 2/18, mb4 2/18, Error ellipse: s-maj=35.9km s-min=17.0km az=175.0

ISC 06:20:27:15.7-1.0, 63.9N:02:174.2E:0.1, h10km, n13, @1503/13, mb3, 7/11, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SEY Smychkan, ILAR Eielson Array, INK nuwuk, etc.

ISCJB 06:20:54:17.0-0.3, 67.19N:02:20:57E:0.05, h0km, Error ellipse: s-maj=2.9km s-min=2.4km az=6.3

ISC 06:20:54:18.6-0.9, 67.14N:20:84E, h0km, mb1 2/8/4, mb1mx2.8/39, mb2mp2.8/4, ML2.2/4, Error ellipse: s-maj=15.4km s-min=7.3km az=117.0

HEL 06:20:54:18.6-0.0, 67.19N:20:65E, h0km, ML2.1, ML1.9(UPP), Explosion

UPL 06:20:54:18.1-0.1, 67.19N:20:65E, h0km, ML1.9, Explosion

NAO 06:20:54:18.1-0.8, 67.16N:20:82E, ML2.3

BER 06:20:54:20.2-2.9, 67.15N:20:59E, h0km, ML1.7, ML2.3(NAO), S-maj=15.4km s-min=7.3km az=117.0

ISC 06:20:54:17.0-0.7, 67.16N:02:20:54E:0.02, h0km, n68, @1562/11, ID, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DUNU Dundret, MASU Masugnbyn, etc.

2013 APR

Table with columns: SALU, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SALU Saltoluokta, SALU Ertsjaerv, etc.

ISCJB 06:21:10:40.7-1.2, 42.13N:74.4E, h0km, mb3.5/4, mb1 3/12, mb2 3/12, mb3 3/12, mb4 3/12, Error ellipse: s-maj=3.4km s-min=2.6km az=8.3

ISC 06:21:10:42.9-0.1, 42.063N:02:005:71E:0.02, h38km, ML3.3/40, Error ellipse: s-maj=1.4km s-min=0.6km

STR 06:21:10:43.0-0.4, 42.13N:74.4E, h0km, M3.8/14, MB4.7/4, mb1 4/4, ML3.7/4, ML3.7/4, ML3.7/4, ML3.7/4, Error ellipse: s-maj=4.7km s-min=3.2km az=168.0

LDG 06:21:10:43.3-0.2, 41.94N:77.65E, h25km, M3.8/35, Error ellipse: s-maj=4.7km s-min=3.2km az=168.0

ISC 06:21:10:40.1-1.3, 42.04N:04:7.62E:0.03, h5km, gkm, n199, @194/228, mb3.5/4, 3C, Western Mediterranean Sea

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

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JMA 06:20:57:28.3-0.4, 31.78N:142:48E, h0km, M4.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO3 Boso 3, BSO4 Boso 4, etc.

IDC 06:21:05:56.4-0.9, 21:25S:173:94W, h0km, mb4.0/7, mb1 4.3/8, mb1mx4.0/35, mb2mp4.0/8, ML4.3/1, MS3.4/3, Ms1 3/4, ms1mx3.0/35, Error ellipse: s-maj=41.2km s-min=21.2km az=135.0

ISCJB 06:21:05:58.6-0.5, 21:33S:019:174:00W:0.09, h25km, mb3.3/19, MS3.3/1, Error ellipse: s-maj=16.1km s-min=8.1km az=135.8

NEIC 06:21:06:01.8-0.4, 21:31S:174:01W, h35km, mb4.6/10, Error ellipse: s-maj=14.1km s-min=7.1km az=138.0

ISC 06:21:06:00.5-0.7, 21:35S:01:174:1W:0.1, h25km, n34, @90/31, mb4.5/19, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAR Rarotonga, MXZ Matakaoa Point, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Saint Gilles, Quistin, Rostrenen, Malin Array Be, etc.

IDC 06 21:28:21.1s.3.36.88N:73.35E, h0km, mb3.7/4, mb1 3.7/10, mb1mx3.4/6, mbtmp3.6/10, ML3.3/6, MS3.2/2, Ms1 3.2/2, ms1mx2.5/6, Error ellipse: s-maj=55.7km s-min=24.6km az=153.0

ISCJB 06 21:28:27.9s.0.5.37.41N:0.06:73.14E:0.07, h33km, mb3.5/4, MS3.0/1, Error ellipse: s-maj=10.5km s-min=6.0km az=43.4

ISC 06 21:28:30.2s.0.9.37.45N:0.09:73.15E:0.08, h35km, n19, s1619/19, mb3.5/4, IC, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Ala-Archa, Karakent Array, Malin Array B, etc.

ISCJB 06 21:38:30.5s.0.8.17.9S:0.2:14.47W:0.09, h10km, mb4.4/20, MS3.4/2, Error ellipse: s-maj=21.9km s-min=12.4km az=177.7

IDC 06 21:38:31.0s.5.5.17.88S:14.50W, h0km, mb4.1/10, mb1 4.2/10, mb1mx3.9/44, mbtmp4.1/10, MS3.5/2, Ms1 3.2/2, ms1mx3.1/25, Error ellipse: s-maj=141.5km s-min=85.5km az=43.0

NEIC 06 21:38:32.0s.0.6.17.96S:14.53W, h10km, mb4.5/9, Error ellipse: s-maj=16.8km s-min=9.7km az=177.0

ISC 06 21:38:31.9s.1.0.18.0S:0.2:14.45W:0.1, h10km, n31, s080/27, mb4.4/20, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Horse Pasture, ASCENSION HYDR, Riachuelo, etc.

SOME 06 21:59:35.6.43.12N:80.33E, h10km KRNET 06 21:59:35.9s.1.0.43.20N:80.31E, h21km, mb2.8 NNC 06 21:59:35.7s.1.0.43.16N:80.31E, h0km, mb2.8, mpv2.8, Error ellipse: s-maj=6.8km s-min=3.7km az=151.0

ISCJB 06 21:59:39.2s.1.4.43.25N:0.06:80.4E:0.1, h33km, Error ellipse: s-maj=12.6km s-min=7.9km az=28.4

ISC 06 21:59:36.1s.1.4.43.16N:0.04:80.25E:0.04, h3km, n10km, n39, s1973/67, 5C-5D, Kazakhstan-Xinjiang border

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

IDC 06 22:09:28.9s.4.9.7.56S:128.73E, h185km, 56km, mb2.7/1, mb1 2.9/4, mb1mx2.8/25, mbtmp3.4/4, Error ellipse: s-maj=32.5km s-min=19.8km az=77.0, Banda Sea

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

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

ISCJB 06 22:15:55.4s.0.9.5.88S:0.07:131.2E:0.3, h86km, mb3.2/2, Error ellipse: s-maj=40.4km s-min=9.3km az=173.4 IDC 06 22:15:55.8s.2.9.5.87S:130.81E, h54km, 35km, mb3.2/2, mb1 3.5/6, mb1mx3.3/30, mbtmp3.6/6, ML3.7/4, Error ellipse: s-maj=76.3km s-min=23.0km az=88.0

ISC 06 22:15:54.4s.1.0.5.88S:0.07:131.7E:0.3, h86km, n6, s366/9, Banda Sea

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

SJA 06 22:22:50.9s.0.3.32.65S:72.17W, h12km, 4km, ML2.9, h10.6 GUC 06 22:22:54.0s.0.5.32.50S:72.00W, h43km, 4km, ML3.2 ISC 06 22:22:48.5s.3.1.32.47S:0.05:72.2W:0.2, h9km, 13km, n13, s1504/18, 3C-ID, Off coast of central Chile

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

IDC 06 22:26:25.6s.1.9.8.77N:121.79E, h0km, mb3.6/3, mb1 3.7/3, mb1mx3.3/50, mbtmp3.6/3, Error ellipse: s-maj=380.1km s-min=24.9km az=71.0, Mindanao

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

IDC 06 22:29:30.6s.1.1.30.88N:79.17E, h0km, mb3.7/12, mb1 3.8/15, mb1mx3.6/47, mbtmp3.7/15, ML3.6/3, Error ellipse: s-maj=37.7km s-min=15.8km az=56.0 DMN 06 22:29:31.3s.0.7.30.86N:78.69E, h10km, ML4.5/5, Error ellipse: s-maj=44.5km s-min=13.2km az=31.0

ISCJB 06 22:29:32.1s.0.7.30.66N:0.03:78.94E:0.02, h28km, 6km, mb3.6/12, Error ellipse: s-maj=5.4km s-min=3.4km az=4.9 NDI 06 22:29:32.9s.2.0.30.52N:79.01E, h10km, ML3.8 ISC 06 22:29:31.7s.1.1.30.70N:0.04:78.94E:0.03, h16km, 7km, n4, s194/62, mb3.6/12, Northern India

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









ISCJB 07 00:53:04.6:1.1, 10.99S;0.09:164.5E:0.1,h29km, mb3.8/4, MS3.1/1, Error ellipse: s-maj=17.4km s-min=8.5km az=141.8

IDC 07 00:53:10.7:3.6, 10.91S;164.39E,h66km,30km,mb3.6/4, mb1 3.9/7, mb1mx3.6/4.1,mbtmp4.0/7,ML4.1/3,MS3.4/3, Ms1 3.4/3,ms1mx3.0/23, Error ellipse: s-maj=29.7km s-min=22.2km az=49.0

ISC 07 00:53:06.7:1.3, 10.9S;0.1x164.5E:0.1,h29km,n16, r=151/10,mb3.9/4, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like Honiara, Warramunga, WAKE ISLAND, etc.

IDC 07 01:21:58.5:8.1, 2.57S;-141.01E,h0km,mb3.1/2, mb1 3.4/3,mb1mx3.3/23,mbtmp3.2/3,ML2.8/1, Error ellipse: s-maj=310.1km s-min=29.7km az=89.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like Warramunga, Alice Springs, Eielson Array, etc.

MEX 07 01:22:39.3:0.3, 14.58N;93.31W,h29km,240km,MD3.6, Near coast of Chiapas

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

BUJ 07 01:31:12.9, 17.27N;147.80E,h33km,mb5.0/67,mb5.4/50, MS5.2/69,MS7.5/165

ISCJB 07 01:31:12.2:0.7, 17.51N;0.02:147.36E:0.02,h3km,4km, mb5.2/346,MS5.0/84, Error ellipse: s-maj=3.8km s-min=2.8km az=154.8

IDC 07 01:31:13.3:0.3, 17.52N;147.40E,h0km,mb4.9/53, mb1 5.0/54,mb1mx4.9/59,mbtmp4.9/54,ML4.7/1,MS4.8/34, Ms1 4.8/34,ms1mx4.7/51, Error ellipse: s-maj=9.4km s-min=5.7km az=90.0

MOS 07 01:31:18.2:0.8, 17.49N;147.24E,h45km,mb5.5/105, MS5.0/23, Error ellipse: s-maj=6.3km s-min=4.0km az=110.3

GCMT 07 01:31:18.5:0.1, 17.52N;0.01:147.82E:0.01,h12km, MW5.3/116, Moment Tensor Solution. s75,c115; s116,c211; Duration: f1 Moment tensor: Scale 1017 Nm; Mn:0.73e-02; Mw:0.04e-01; Mo:0.74e-01; Ms:0.09e-03; Mv:0.04e-01; Mw:0.73e-04; Best double couple: Mo:1.04100e+017 NP1:3e354.00000e+867.00000e+7,88.00000e- NP2:3e180.00000e+823.00000e+966.00000e- Principal axes: T:1.0360,Plg68.0000e-000,Azm260.0000e-000; N:0.0100,Plg2.0000e-000,Azm86.0000e-000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 07 01:31:21.5:0.4, 17.46N;147.29E,h61km,4km,mb5.3/212 Error ellipse: s-maj=2.3km s-min=1.9km az=112.0

ISC 07 01:31:18.4:0.5, 17.50N;0.03:147.41E:0.04,h34km,1km, h34km;pP-P,n755,c163/843,mb5.3/352,MS5.0/84, 35C-7D, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like SARAN, ANAZ, GUMO, WAKE ISLAND, etc.

Main table with columns: Station Name, Az, Az', Op, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like JUNU, Rabaul, CNP, PVP, etc.

Main table with columns: Station Name, Az, Az', Op, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like DL2, Dalian, COEN, MPSI, etc.











Table with columns: TORD, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Torodi Ar. Bea, Yellowknife Ar, Eielson Array.

PGC 07:02:39.11.4.0.0.56.34N.121.85W, h11km, ML3.5/6, 62km west of Fort St. John, Bc British Columbia, Canada, British Columbia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like BMBC Bull Mountain, FSB Fort Saint Jam, FNBB Fort Nelson, etc.

IDC 07:02:48:12.8.1.7.1.91N:127.33E, h0km, mb3.9/4, mb1 4.0/5, mb1mx3.7/34, mbtmp3.9/5, ML3.9/1, Error ellipse: s-maj=94.8km s-min=23.9km az=68.0, Halmahera

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

IDC 07:02:55:38.9.1.9.587S:151.68E, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.6/39, mbtmp3.7/5, ML1.4/1, Error ellipse: s-maj=113.6km s-min=22.2km az=132.0, New Britain region

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.

ISCJB 07:02:57:39.4.0.9.59:3S:0.1x26:0W:0.4, h35km, mb3.6/4, Error ellipse: s-maj=33.4km s-min=11.7km az=146.7

IDC 07:02:57:54.4.12.0.59:30S:26:46W, h153km, 12km, mb3.2/4, mb1 3.4/4, mb1mx3.9/18, mbtmp3.7/4, Error ellipse: s-maj=39.0km s-min=25.9km az=66.0

ISC 07:02:57:39.0.1.0.59:9S:0.2-26:1W:0.2, h35km, n13, c1848/12, mb3.7/4, South Sandwich Islands region

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

ISCJB 07:03:06:07.3.0.4.29:87N:0.03:16:20W:0.04, h107km, 9km, Error ellipse: s-maj=5.4km s-min=4.5km az=12.5

MDD 07:03:06:13.8.0.2.29:60N:16:32W, h79km, 6km, mb3.9/22, Error ellipse: s-maj=3.7km s-min=1.1km az=175.0

PRXIMO TT-model: canary INMG 07:03:06:13.8.2.2.29:77N:16:33W, h50km, ML3.1, Error ellipse: s-maj=4.8km s-min=2.7km az=104.0

CNRM 07:03:06:16.2.30:15N:16:27W, h93km, ml3.5, Error ellipse: s-maj=3.7km s-min=1.1km az=175.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EBAJ Bajamar, CRAJ Montana Rajad, CCAN Las Canadas, etc.

Table with columns: CFUE Fuerteventura, CFUE Fuerteventura, CFTV Fuerteventura, CFTV Fuerteventura, CTIG El Hierro, etc.

Table with columns: CTIG El Hierro, CHIE El Hierro, CHIE El Hierro, CCUM Cumbre, El Hie, etc.

Table with columns: CCUM Cumbre, El Hie, CTAN El Hierro, CTAN El Hierro, EFAM Famar, etc.

Table with columns: EFAM Famar, CMCL Mercader, El H, CMCL Mercader, El H, CJUL El Julon, El H, etc.

Table with columns: CJUL El Julon, El H, CRST La Restinga, E, CRST La Restinga, E, CORC Orchilla, El H, etc.

Table with columns: CORC Orchilla, El H, FUL Funchal, FUL Funchal, PMAR Madeira, PMAR Madeira, etc.

Table with columns: PMAR Madeira, PMAR Madeira, PMAR Madeira, PMOZ Porto Moniz, M, PMOZ Porto Moniz, M, etc.

Table with columns: PMOZ Porto Moniz, M, PMOZ Porto Moniz, M, PMOZ Porto Moniz, M, PMPs Porto Santo, PMPs Porto Santo, etc.

Table with columns: PMPs Porto Santo, PMPs Porto Santo, TTIG Trine Tigouga, TTIG Trine Tigouga, SRHM Skhour des Reh, etc.

Table with columns: SRHM Skhour des Reh, OUZ Ouz, PFVI Vila Bisbo, PFVI Vila Bisbo, MORF Marletele, etc.

Table with columns: MORF Marletele, PTEO Sao Teonito, PTEO Sao Teonito, PBDV Barranco-do-Ve, PBDV Barranco-do-Ve, etc.

Table with columns: PBDV Barranco-do-Ve, PVAQ Vaqueiros, PVAQ Vaqueiros, PNCL Nicolau / Gran, PNCL Nicolau / Gran, etc.

Table with columns: PNCL Nicolau / Gran, MDT Midelt, LCRM LCR, LCRM LCR, EGRO El Granado, EGRO El Granado, etc.

Table with columns: EGRO El Granado, EGRO El Granado, PMAFR Mafr, PMAFR Mafr, ESPR Espera, ESPR Espera, etc.

Table with columns: ESPR Espera, EMIN Nina Concepcio, EMIN Nina Concepcio, PMAFR Mafr, PMAFR Mafr, etc.

Table with columns: PMAFR Mafr, PMAFR Mafr, ESPR Espera, ESPR Espera, EMIN Nina Concepcio, etc.

Table with columns: EMIN Nina Concepcio, EMIN Nina Concepcio, PMAFR Mafr, PMAFR Mafr, PMAFR Mafr, etc.

Table with columns: PMAFR Mafr, PMAFR Mafr, EMIN Nina Concepcio, EMIN Nina Concepcio, EMIN Nina Concepcio, etc.

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7d 3h

2013 APR

PGF	comp=N,388µm,0.3s	AML	AML						
PGF	comp=E,594µm,0.8s	AML	AML						
PGF	comp=N,388µm,0.3s	AML	AML						
OG35	Corcelles	2.17	325	Pn	Pb	03 13 50.3	-1.0		
VLC	Villacollemand	2.19	92	Pn	Pn	03 13 48.5	+0.4		
VLC	Villacollemand	2.19	92	AML	AML				
VLC	comp=E,214µm,0.7s	AML	AML						
VLC	comp=N,238µm,0.6s	AML	AML						
VLC	comp=E,208µm,0.8s	AML	AML						
VLC	comp=N,242µm,0.6s	AML	AML						
VLC	comp=N,242µm,0.6s	AML	AML						
VLC	comp=N,238µm,0.6s	AML	AML						
VLC	comp=E,208µm,0.8s	AML	AML						
SARO	Sassorosso	2.20	91	P	Pn	03 13 48.6	+0.2		
SARO	Sassorosso	2.20	91	Pn	Pn	03 13 48.3	-0.1		
SARO	comp=E,396µm,1.4s	AML	AML						
SARO	comp=N,451µm,0.4s	AML	AML						
SARO	comp=N,451µm,0.4s	AML	AML						
SARO	comp=E,396µm,1.4s	AML	AML						
MAIM	Mastiano	2.30	98	S	Sn	03 14 17.0	-0.7		
MAIM	Mastiano	2.30	98	Pn	Pn	03 13 49.4	-0.1		
MAIM	comp=E,422µm,0.7s	AML	AML						
MAIM	comp=N,320µm,1.3s	AML	AML						
MAIM	comp=N,320µm,1.3s	AML	AML						
MAIM	comp=E,422µm,0.7s	AML	AML						
MAIM	Mastiano	2.30	98	P	Pn	03 13 49.5	-0.1		
BDI	Bagni Di Lucca	2.35	94	P	Pn	03 13 50.4	0.0		
BDI	Bagni Di Lucca	2.35	94	AML	AML				
BDI	comp=N,324µm,0.5s	AML	AML						
BDI	comp=E,493µm,0.5s	AML	AML						
BDI	comp=N,329µm,0.4s	AML	AML						
BDI	comp=E,458µm,0.6s	AML	AML						
BDI	comp=N,324µm,0.5s	AML	AML						
BDI	comp=N,324µm,0.5s	AML	AML						
BDI	comp=N,329µm,0.4s	AML	AML						
BDI	comp=E,493µm,0.5s	AML	AML						
BDI	comp=E,458µm,0.6s	AML	AML						
FUSIO	Fusio	2.38	23	P	Pn	03 13 49.9	-1.0		
FUSIO	Fusio	2.38	23	Pn	Pn				
FUSIO	comp=N,111µm,0.4s	AML	AML						
FUSIO	comp=E,126µm,0.3s	AML	AML						
FUSIO	comp=N,111µm,0.4s	AML	AML						
FUSIO	comp=E,126µm,0.3s	AML	AML						
GIMEL	St. Georges /	2.39	342	P	Pn	03 13 52.6	+1.6		
GIMEL	St. Georges /	2.39	342	AML	AML				
GIMEL	comp=N,144µm,1.1s	AML	AML						
GIMEL	comp=E,216µm,1.5s	AML	AML						
GIMEL	comp=E,216µm,1.5s	AML	AML						
GIMEL	comp=N,144µm,1.1s	AML	AML						
TRBF	Trabuc cave	2.44	267	Pn	Pn	03 13 52.7	+1.2		
POPMP	Popiglio	2.47	94	P	Pn	03 14 23.0	+1.0		
POPMP	Popiglio	2.47	94	Pn	Pn	03 13 52.6	+0.6		
POPMP	Popiglio	2.47	94	AML	AML				
POPMP	comp=N,408µm,0.2s	AML	AML						
POPMP	comp=E,647µm,0.9s	AML	AML						
POPMP	comp=N,408µm,0.2s	AML	AML						
POPMP	comp=E,647µm,0.9s	AML	AML						
CABF	La Chapelle	2.50	340	eP	Pn	03 13 54.2	+1.7		
CABF	La Chapelle	2.50	340	eP	Pg	03 14 01.9	+1.8		
CABF	La Chapelle	2.50	340	eP	Sg	03 14 33.5	+1.0		
LASF	Ste Croix	2.51	267	ePn	Pn	03 13 53.6	+1.0		
LASF	comp=N,183nm,0.7s,SNR=1.0	AML	AML						
LASF	comp=E,121nm,0.2s	eSg	Sn			03 14 23.1	0.0		
SMPL	Sampolo	2.60	146	S	Sn	03 14 23.0	-2.1		
SMPL	Sampolo	2.60	146	P	Pn	03 13 53.1	-0.6		
SMPL	Sampolo	2.60	146	Pn	Pn				
SMPL	Sampolo	2.60	146	AML	AML				
SMPL	comp=N,1280µm,0.5s	AML	AML						
SMPL	comp=E,10420µm,0.9s	AML	AML						
ZCCA	Zocca	2.61	87	P	Pb	03 13 58.5	-0.2		
TUE	Stuetta	2.62	32	P	Pn	03 13 55.2	+1.0		
TUE	Stuetta	2.62	32	P	Pn	03 13 54.4	+0.1		
TUE	comp=E,176µm,1.6s	AML	AML						
TUE	comp=N,232µm,0.5s	AML	AML						
TUE	comp=E,246µm,0.5s	AML	AML						
TUE	comp=N,290µm,0.5s	AML	AML						
TUE	comp=E,176µm,1.6s	AML	AML						
TUE	comp=E,246µm,0.5s	AML	AML						
TUE	comp=N,232µm,0.5s	AML	AML						
TUE	comp=N,290µm,0.5s	AML	AML						
CRMI	Carmignano	2.66	99	P	Pn	03 13 55.1	+0.4		
CRMI	Carmignano	2.66	99	P	Pn	03 13 55.0	+0.4		
CRMI	comp=E,70µm,0.3s	AML	AML						
CRMI	comp=N,74µm,0.7s	AML	AML						
CRMI	comp=E,70µm,0.3s	AML	AML						
CRMI	comp=N,74µm,0.7s	AML	AML						
MAGA	Magasa	2.78	56	P	Pn	03 13 56.2	-0.1		
MAGA	Magasa	2.78	56	P	Pn	03 13 56.2	-0.1		
MAGA	Magasa	2.78	56	Pn	Pn	03 13 56.0	-0.3		
MAGA	comp=E,1685µm,0.6s	AML	AML						
MAGA	comp=N,1035µm,0.7s	AML	AML						
MAGA	comp=E,1685µm,0.6s	AML	AML						
MAGA	comp=N,1035µm,0.7s	AML	AML						
TRIF	Trifonti	2.83	113	P	Pn	03 13 54.7	-2.2		
TRIF	Trifonti	2.83	113	P	Pn	03 13 54.7	-2.2		
TRIF	Trifonti	2.83	113	AML	AML				
TRIF	comp=N,106µm,0.3s	AML	AML						
TRIF	comp=E,87µm,1.6s	AML	AML						
TRIF	comp=E,87µm,1.6s	AML	AML						
TRIF	comp=N,106µm,0.3s	AML	AML						
MABI	Maiga Bissina	2.87	50	P	Pn	03 13 57.5	-0.2		
MABI	AVT- Monte Tez								
MABI	comp=E,139µm,1.2s	AML	AML						
MABI	comp=N,134µm,0.4s	AML	AML						

MABI	comp=N,134µm,0.4s	AML	AML						
MABI	comp=E,139µm,1.2s	AML	AML						
MABI	Maiga Bissina	2.87	50	P	Pn	03 13 57.8	+0.1		
MABI	OSSC Osservatorio P	2.92	103	P	Pn	03 13 58.8	+0.7		
MABI	OSSC Osservatorio P	2.92	103	AML	AML				
OSSC	comp=N,95µm,0.8s	AML	AML						
OSSC	comp=E,152µm,0.7s	AML	AML						
OSSC	comp=N,95µm,0.7s	AML	AML						
CASP	Castiglione de	2.96	119	S	Sn	03 14 33.0	-1.0		
CASP	Castiglione de	2.96	119	P	Pn	03 13 58.3	-0.4		
CASP	Castiglione de	2.96	119	P	Pn	03 13 58.1	-0.5		
CASP	comp=E,264µm,0.9s	AML	AML						
CASP	comp=N,256µm,0.2s	AML	AML						
CASP	comp=E,264µm,0.9s	AML	AML						
CASP	comp=N,256µm,0.2s	AML	AML						
CASP	comp=N,256µm,0.2s	AML	AML						
ROVR	Rover Verones	2.99	61	P	Pn	03 13 58.0	-1.2		
ROVR	Rover Verones	2.99	61	AML	AML				
ROVR	comp=E,279µm,0.9s	AML	AML						
ROVR	comp=N,588µm,0.3s	AML	AML						
ROVR	comp=N,588µm,0.3s	AML	AML						
RUFJ	Rufina	3.04	97	S	Sn	03 14 36.0	+0.1		
RUFJ	Rufina	3.04	97	P	Pn	03 14 00.1	+0.3		
RUFJ	Lubihac	3.07	290	Pn	Pn	03 14 02.2	+1.9		
BRMO	Bormio	3.07	43	P	Pb	03 14 03.8	-2.9		
BRMO	Bormio	3.07	43	P	Pb	03 14 03.8	-2.9		
BALST	Balsthal	3.08	4	ePn	Pn	03 14 00.9	+0.5		
DAVOX	Davos/Dischmat	3.08	34	Pn	Pn	03 14 01.2	+0.7		
DAVOX	comp=N,5.3nm,0.3s,baz=240,slow=5.7,SNR=72								
DAVOX	comp=N,6.8nm,0.3s,baz=220,slow=19,SNR=3.3								
DAVOX	Davos/Dischmat	3.08	34	Pn	Pn	03 14 01.5	+0.9		
DAVOX	Davos/Dischmat	3.08	34	P	Pn	03 14 01.5	+0.9		
DAVOX	Davos/Dischmat	3.08	34	AML	AML				
DAVOX	comp=N,134µm,0.8s	AML	AML						
DAVOX	comp=N,134µm,0.8s	AML	AML						
DAVOX	comp=N,134µm,0.8s	AML	AML						
LOMF	Lomont	3.11	354	Pn	Pn	03 14 01.7	+1.0		
FUORN	Ofenpass-Fuorn	3.13	40	P	Pn	03 14 03.1	+1.9		
FUORN	Ofenpass-Fuorn	3.13	40	AML	AML				
FUORN	comp=N,127µm,0.8s	AML	AML						
FUORN	comp=N,127µm,0.8s	AML	AML						
FUORN	comp=N,127µm,0.8s	AML	AML						
FUORN	comp=N,127µm,0.8s	AML	AML						
FUORN	comp=N,127µm,0.8s	AML	AML						
PLONS	Plons/SG	3.13	26	ePn	Pn	03 14 01.6	+0.5		
PLONS	Asqua	3.24	97	eSg	Sn	03 14 40.4	+2.0		
ASQU	Asqua	3.24	97	P	Pn	03 14 03.4	+0.7		
ASQU	Asqua	3.24	97	AML	AML	03 14 03.4	+0.7		
ASQU	comp=E,154µm,0.5s	AML	AML						
ASQU	comp=N,105µm,1.3s	AML	AML						
ASQU	comp=N,154µm,0.5s	AML	AML						
MOSI	comp=N,105µm,1.3s	AML	AML						
MOSI	Grossostoni	3.26	43	P	Pn	03 14 05.2	+2.2		
MOSI	Grossostoni	3.26	43	AML	AML				
MOSI	comp=N,498µm,0.9s	AML	AML						
MOSI	comp=E,346µm,1.1s	AML	AML						
MOSI	comp=N,498µm,0.9s	AML	AML						
MOSI	comp=N,498µm,0.9s	AML	AML						
SULZ	Cheisacher	3.31	9	ePn	Pn	03 14 03.6	+0.1		
SULZ	Cheisacher	3.31	9	eSg	Sn	03 14 43.0	+0.3		
MAON	Monte Argentar	3.32	122	S	Sn	03 14 40.0	-2.9		
MAON	Monte Argentar	3.32	122	P	Pn	03 14 03.1	-0.5		
MAON	Monte Argentar	3.32	122	P	Pn	03 14 03.0	-0.6		
MAON	comp=N,100µm,1.0s	AML	AML						
MAON	comp=N,150µm,0.2s	AML	AML						
MAON	comp=N,150µm,0.2s	AML	AML						
MAON	comp=N,150µm,0.2s	AML	AML						
WILA	Wila	3.33	19	ePn	Pn	03 14 05.3	+1.4		
PYM	Petit Puy Mans	3.34	297	Pn	Pn	03 14 07.0	+2.0		
SMF	Signal de Mont	3.42	3						

Table with columns: OBKA, Obir, 5.55 64 ePn, Pn, 03 14 36.1 +1.7, etc. Includes various station codes and coordinates.

MEX 07 03:21:55.8:0.6, 15:10N:93:06W, h89km, 7km, MD3.8, Near coast of Chiapas. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes MW3.7, ISCJB 07 03:22:15.0:0.6, 21:22S:0:03:68:69W:0.07, h124km, 7km, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes IDC 07 03:37:57.9:0.6, 17:49N:147:44E, h0km, mb4.2/23, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like DUG, LKWT, PDAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like MORH, CRES, CEY, etc.

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

TIR 07 04:38:30.7, 39°31'N, 20°55'E, h0km, Md3.4/4
IDC 07 04:38:32.0, 39°42'N, 20°41'E, h0km, mb3.8/9,
mb1 3.9/12, mb1mx3.7/63, mbtmp3.8/12, ML3.5/3, MS2.5/1,
Ms1 2.5/1, ms1mx2.0/52, Error ellipse: s-maj=19.7km
s-min=14.6km az=51.0

ISCJBJ 07 04:38:34.9, 0.4, 39°46'N, 02°20'33"E, 0.03, h17km, 3km,
mb3.8/10, Error ellipse: s-maj=4.8km s-min=2.5km
az=44.2

THE 07 04:38:34.6, 39°41'N, 20°45'E, h0km, 1km, ML3.4/7, Error
ellipse: s-maj=1.8km s-min=0.6km az=260.0

ATH 07 04:38:34.8, 39°41'N, 20°46'E, h0km, 2km, ML3.3/4, Error
ellipse: s-maj=2.2km s-min=0.8km az=295.0

ISC 07 04:38:34.6, 0.8, 39°42'N, 02°20'49"E, 0.02, h10km, 5km,
n116, c1341/140, mb3.8/10, 8C-12, Greece-Albania
border region

WTTA Wattenberg 10.14 323 ePn Pn 04 41 01.7 +1.4
comp=N, 0.6nm, 0.2s

BRTR Keskin Array B 10.16 84 Pn Pn 04 41 08.2 +7.6
comp=N, 0.1nm, 0.3s, baz=261, slow=12, SNR=3.0

WATA Walderalm 10.22 324 ePn Pn 04 41 02.7 +1.3
comp=N, 0.1nm, 0.0s

SQTA Sankt Quirin 10.31 322 ePn Pn 04 41 03.8 +1.2
comp=N, 2.9nm, 0.5s

FETA Feichten 10.40 320 Pn Pn 04 41 04.7 +0.8
comp=N, 2.2nm, 0.6s

MOTA Moosalm 10.45 322 ePn Pn 04 41 05.2 +0.6
comp=N, 4.4nm, 0.7s

GERES Geres Array B 10.60 335 Pn Pn 04 41 05.9 -0.6
comp=N, 0.1nm, 0.3s, baz=158, slow=10, SNR=7.4

RETA Reutte 10.71 322 ePn Pn 04 41 10.0 +1.9
comp=N, 0.4nm, 0.2s

DAVA Damuels 11.01 319 Pn Pn 04 41 14.2 +2.0
comp=N, 2.5nm, 0.6s

KBZ Khabaz 17.30 68 P Pn 04 42 35.5 +0.5
comp=N, 0.1nm, 0.3s, baz=254, slow=15, SNR=2.0

ESDC Sonseca Array 18.85 279 P Pn 04 42 54.8 +0.1
comp=N, 0.1nm, 0.3s, baz=67, slow=10, SNR=7.8

HFS Hagfors 21.17 351 P P 04 43 20.3 +0.6
comp=N, 1.6nm, 0.6s, baz=143, slow=11, SNR=2.6

FINES FINESS Array B 22.32 7 P P 04 43 32.6 +0.6
comp=N, 2.0nm, 0.9s, baz=178, slow=6, SNR=3.5

NOA NORRAR Array B 22.40 348 P P 04 43 32.5 -0.5
comp=N, 1.6nm, 0.9s, baz=166, slow=10, SNR=6.8

EKA Eskdalemuir Arr 22.41 323 P P 04 43 31.3 -1.8
comp=N, 1.6nm, 0.8s, baz=118, slow=12, SNR=4.8

GEYT Altbek 29.28 81 P P 04 44 37.4 +0.4
comp=N, 2.1nm, 0.5s, baz=199, slow=4.0, SNR=4.2

WHF Hehuan Shan 1.00 229 eP Pn 04 42 40.6 -0.1
comp=N, 2.7nm, 21.2s, baz=210, slow=44

SBCB Hsinchu 1.00 269 eP Pn 04 42 41.6 -0.1
comp=N, 2.9nm, 0.6s

NSST Nanjuang 1.01 260 P Pn 04 42 41.4 -0.2
comp=N, 2.9nm, 0.6s

ENLB Shoufeng 1.01 206 eP Pn 04 42 41.6 -0.1
comp=N, 2.9nm, 0.6s

ENLB Shilin 1.16 211 P Pn 04 42 43.4 -0.4
comp=N, 2.9nm, 0.6s

TDCB Techu 1.01 237 eP Pn 04 42 40.8 -0.4
comp=N, 2.9nm, 0.6s

CHGB Renai 1.12 228 eP Pn 04 42 42.5 -0.6
comp=N, 2.9nm, 0.6s

ESL Shilin 1.16 211 P Pn 04 42 43.4 -0.4
comp=N, 2.9nm, 0.6s

WHF Taichung City 1.17 243 eP Pn 04 42 44.6 +0.8
comp=N, 2.9nm, 0.6s

OWD Renai 1.19 225 eP Pn 04 42 44.0 -0.3
comp=N, 2.9nm, 0.6s

OWD NMLH Miaoli 1.21 257 eP Pn 04 42 45.8 +1.1
comp=N, 2.9nm, 0.6s

NSY Nanai 1.27 252 eP Pn 04 42 47.0 +1.2
comp=N, 2.9nm, 0.6s

NSY Taichung 1.45 243 eP Pn 04 42 49.9 +0.7
comp=N, 2.9nm, 0.6s

SSLB Shuanglung 1.46 226 eP Pn 04 42 48.2 -0.4
comp=N, 2.9nm, 0.6s

SSLB Dajia District 1.40 251 eP Pn 04 42 49.0 +0.8
comp=N, 2.9nm, 0.6s

SMLT Sun Moon Lake 1.43 230 P Pn 04 42 48.2 -0.0
comp=N, 2.9nm, 0.6s

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like IGT, JAN, KASA, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like MORH, CRES, CEY, etc.

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

IDC 07 04:42:19.8, 3.2, 24°88'N, 122°26'E, h0km, mb3.6/4,
mb1 3.7/4, mb1mx3.4/51, mbtmp3.6/4, Error ellipse:
s-maj=250.1km s-min=24.5km az=62.0

TAP 07 04:42:21.6, 24°83'N, 122°04'E, h13km, ML3.8, B
JMA 07 04:42:22.7, 24°79'N, 122°01'E, h20km, M3.2
ISCJBJ 07 04:42:23.4, 0.3, 24°95'N, 02°12'05"E, 0.02, h33km,
mb3.5/4, Error ellipse: s-maj=3.2km s-min=2.5km az=12.5

ISC 07 04:42:21.4, 0.9, 24°81'N, 02°12'09"E, 0.02, h9km, 7km,
n1104, c0873/145, mb3.5/4, 15C-7D, Taiwan region



7d 5h

Table with columns: CHN8, MATB, SSD, TWM1, MASBT, MASBT, PHUB, EAST, PTMZ, WDGJ, XPSS, LYJY, SCZT, VCHM, MHZQ, KNMB, MKAR, ZALV, WRA, ASAR. Includes station names, coordinates, and status.

IDC 07 04:56:20.0,53.0,16.69S,174.77W,h0km,mb4.1/3, mb1 4.3/3, mb1mx3.7/32, mbtmp4.1/3, Error ellipse: s-maj=1011.0km s-min=177.5km az=79.0, Tonga Islands

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

IDC 07 04:57:31.2,1.4,22.40S,171.77E,h0km,mb4.0/5, mb1 4.3/7, mb1mx4.0/32, mbtmp4.0/7, ML3.5/2, MS3.4/4, Ms1 3.5/4, ms1mx3.1/37, Error ellipse: s-maj=47.7km s-min=25.3km az=169.0

ISCJB 07 04:57:35.2,0.9,22.6S,0.2,171.72E,0.09,h40km, mb4.0/5, MS3.6/3, Error ellipse: s-maj=22.3km s-min=11.0km az=11.1

ISC 07 04:57:36.7,1.0,22.6S,0.2,171.72E,0.1,40km,n8, r1534/8, mb4.0/5, MS3.5/3, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like DZM, DZM, URZ, RPZ, ASAR, WRA, CMAR, NVAR, ILAR.

IDC 07 05:00:28.7,3.0,5.05N,92.76E,h0km,mb3.7/3, mb1 3.8/4, mb1mx3.5/40, mbtmp3.4/4, ML3.6/1, Error ellipse: s-maj=106.0km s-min=31.2km az=60.0, 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 CMAR, H08S3, H08S2, H08S1, MKAR, H01W3, H01W2, H01W1, WRA, ZALV.

KRSC 07 05:07:54.3,10.0,51.00N,157.69E,h60km,10km,ML3.9, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KDTR, ALID, ASAK, MTRV, RUS, GRL, KRMR, PET, DALK, DALK, AVH, SMAR, SDLR, KRER, KRER, NLYC, NRG, SPN, MKZ.

IDC 07 05:15:45.2,1.6,7.65S,129.70E,h144km,26km,mb3.4/1, mb1 3.5/6, mb1mx3.2/39, mbtmp3.9/6, Error ellipse: s-maj=37.8km s-min=20.0km az=95.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KDTR, ALID, ASAK, MTRV, RUS, GRL, KRMR, PET, DALK, DALK, AVH, SMAR, SDLR, KRER, KRER, NLYC, NRG, SPN, MKZ.

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Table with columns: SJUI, BATI, FITZ, WRA, ASAR, MKAR. Includes station names, coordinates, and status.

IDC 07 05:18:19.6,1.3,12.16N,87.79W,h0km,mb4.0/6, mb1 4.1/9, mb1mx3.8/40, mbtmp3.9/9, ML2.9/3, MS3.3/4, Ms1 3.3/4, ms1mx3.0/29, Error ellipse: s-maj=49.7km s-min=18.9km az=45.0

ISCJ 07 05:18:21.1,0.5,11.74N,0.05,88.06W,0.04,h35km, mb4.2/10, MS3.3/4, Error ellipse: s-maj=8.0km s-min=4.2km az=31.8

UCR 07 05:18:21.7,0.9,11.76N,88.06W,h30km,19km,ML3.5, mb4.6(NEIC)

NEIC 07 05:18:24.3,0.4,11.96N,87.92W,h35km,mb4.6/5, Error ellipse: s-maj=5.7km s-min=2.9km az=213.0

ISC 07 05:18:23.4,0.0,31.01N,0.06,88.33W,0.05,h35km,n94, r1518/102, mb4.3/10, MS3.3/4, 1C, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like CSGN, CRIN, CNGN, CNCH, LCND, MGNM, LCY, PACA, TECA, MGAN, CAHU, LFRS, PAVA, LBRS, VICT, MATN, TGUH, SBLN, ACON, ACON, JTS, JTS, JTS, ESPN, HCD, CCIG, CMIG, TLIG, LNIG, SDV, HKT, 833A, VBMS, NATX, 435B, 152A, ATAH, LRAL, 154A, JCT, ICMP, 241A, Y49A, Y54A, WLAR, OXF, OXF, LTX, TXAR, TX31, MIAR, UALR, JUSC, ABTX, SWET, BG3, WHAR, WHTA, TKL, TKL, TKL, V51A, W50A, HIFAR, PBMO, TUL1, T47A, MNTX, MISTX, WHTA, TKL, WCI, G1A, BGNE, N59A, ECSD, PD31, PD31, PDAR, REDW, W01, NVAR, ULM, ULM, DGMT, MCKE, LRM.

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Table with columns: BDFB, YKA, YKA, YKBS, NOA, CD2, WRA, CMAR. Includes station names, coordinates, and status.

IDC 07 05:35:59.0,1.1,18.93S,167.44E,h0km,mb4.2/7, mb1 4.4/8, mb1mx4.1/36, mbtmp4.1/8, ML3.3/1, MS3.7/5, Ms1 3.7/5, ms1mx3.2/24, Error ellipse: s-maj=45.5km s-min=20.2km az=145.0

ISCJB 07 05:36:01.7,0.6,19.00S,0.05,167.27E,0.09,h28km, mb4.1, MS3.6/5, Error ellipse: s-maj=12.1km s-min=6.4km az=175.0

NEIC 07 05:36:04.0,0.4,18.97S,167.32E,h35km,mb4.5/8, Error ellipse: s-maj=9.0km s-min=7.4km az=103.0

ISC 07 05:36:03.0,0.1,19.02S,0.07,167.47E,0.11,h28km,n29, r15133/22, mb4.4/11, MS3.4/5, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MARNC, DZM, DZM, DZM, CTAO, STKA, STKA, JAY, WB2, WRA, WRA, BBOO, AS01, AS31, ASAR, ASAR, FITZ, FITZ, NV01, NVAR, ILAR, ILB, TXAR, PLCA, YKA, ARAO, ARAO, ILB, EMUR, EMUR, SESP, SESP, SESP, EQES, EQES, GORA, GORA, GORA, AFON, AFON, EBER, EBEN2, EBEN2, EBEN2, ELGU, ELGU.

ISCJB 07 05:45:16.0,0.3,37.98N,0.01,1.97W,0.01,h6km,2km, Error ellipse: s-maj=2.5km s-min=1.8km az=155.0

IGIL 07 05:45:17.8,37.82N,1.78W,h2km,ML3.3, Error ellipse: s-maj=2.4km s-min=1.8km az=135.0

INMG 07 05:45:18.7,1.8,37.82N,1.81W,h15km,3km,ML3.3, Error ellipse: s-maj=2.4km s-min=1.8km az=135.0

CNRM 07 05:45:18.8,37.89N,1.77W,h2km,ml3.8, Error ellipse: s-maj=1.9km s-min=1.7km az=35.0, PPRXIMO

MDD 07 05:45:18.4,0.2,37.82N,1.78W,h1km,ml3.3/50, Error ellipse: s-maj=1.9km s-min=1.7km az=35.0, PPRXIMO

MDD 07 05:45:18.4,0.2,37.82N,1.78W,h1km,ml3.3/50, Error ellipse: s-maj=1.9km s-min=1.7km az=35.0, PPRXIMO

SFS 07 05:45:18.0,37.80N,1.70W,h1km,ML3.3,LORCA (MURCIA)

LDG 07 05:45:19.4,0.1,37.81N,1.79W,h10km,ML3.1/11, Error ellipse: s-maj=3.6km s-min=1.8km az=147.0

ISC 07 05:45:16.6,1.1,37.88N,0.02,1.82W,0.02,h12km,9km, n141, r160/283, 8C-3D, Spain

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like EMUR, EMUR, SESP, SESP, SESP, EQES, EQES, GORA, GORA, GORA, AFON, AFON, EBER, EBEN2, EBEN2, EBEN2, ELGU, ELGU.

ELGU	68nm,0.7s,SNR=7.9	Pg	Pg	05 45 50.2 -0.2
ELGU	176nm,0.2s,SNR=4.0	Lg	Lg	05 46 13.8
ECHE	1.8m,0.2s,SNR=7.9	1.83 21	Pn	Pb 05 45 49.2 -0.9
ECHE	51nm,0.4s,SNR=7.9	Pg	Pg	05 45 52.5 +0.7
ECHE	137nm,0.5s,SNR=7.9	Pn	Pb	05 46 16.5
EGOR	2.5nm,0.3s,SNR=4.0	1.98 248	Pn	Pb 05 45 52.4 -0.2
EGOR	15nm,0.2s,SNR=7.9	Pg	Pg	05 45 54.5 0.0
EGOR	67nm,0.3s,SNR=7.9	Lg	Lg	05 46 19.5
EADA	4.5nm,0.2s,SNR=18	2.19 278	Pn	Pn 05 45 54.0 +1.2
EADA	41nm,0.1s,SNR=7.8	Pn	Pn	05 46 21.7 +1.8
EADA	207nm,0.3s,SNR=18	Lg	Lg	05 46 28.4
EMAL	Malaga-Limoner	2.36 242	ePn	Pb 05 45 58.7 -0.3
EMAL	Malaga-Limoner	2.36 242	iPg	Pg 05 46 00.8 -1.1
EMAL	Sonsecia Array	2.45 318	eS	Pn 05 46 24.3 +0.4
ESDC	3.9nm,0.1s,baz=129,slow=13,SNR=82	Pn	Pn	05 45 57.3 +0.9
ESDC	19nm,0.3s,baz=133,slow=17,SNR=54	Pg	Pg	05 46 03.4 -0.2
ESDC	baz=128,slow=26,SNR=7.9	Sn	Sn	05 46 26.6 +0.4
PBC	47nm,0.3s,baz=134,slow=30,SNR=14	Lg	Lg	05 46 36.3
ESD	San Pablo	2.58 311	Pn	Pn 05 45 59.7 +1.4
PAB	16nm,0.3s,SNR=7.9	Pg	Pg	05 46 06.2 +0.1
PAB	12nm,0.2s,SNR=7.9	Sn	Sn	05 46 30.2 +0.7
PAB	37nm,0.2s,SNR=7.9	Lg	Lg	05 46 39.2
UCM	Universidad Co	2.66 336	ePn	Pb 05 46 02.8 -1.4
UCM	Universidad Co	2.66 336	eS	Pg 05 46 08.5 +0.9
UCM	Mosqueruela	2.69 23	Pn	Pn 05 46 42.1 0.0
EMOS	1.7nm,0.2s,SNR=15	Pn	Pn	05 46 01.6 +1.7
EMOS	3.9nm,0.2s,SNR=16	Pg	Pg	05 46 09.2 +1.0
EMOS	18nm,0.3s,SNR=9.3	Sn	Sn	05 46 33.6 +1.2
EMOS	49nm,0.7s,SNR=5.6	Lg	Lg	05 46 44.3
EMIJ	Mijas	2.70 242	Pn	Pn 05 46 01.1 +1.3
EMIJ	0.8nm,0.3s,SNR=12	Pg	Pg	05 46 06.8 -1.5
EMIJ	8.9nm,0.4s,SNR=11	Lg	Lg	05 46 43.8
HORN	60nm,0.6s,SNR=7.9	Pn	Pn	05 46 02.0 +1.9
HORN	Hornachuelos	2.72 270	P	Sn 05 46 34.0 +1.2
EIBI	Ibiza	2.74 64	Pn	Pn 05 45 59.8 -0.5
EIBI	0.10nm,0.2s,SNR=7.9	Sn	Sn	05 46 32.0 -1.3
ECAB	Ei Cabril	2.85 275	Pn	Pn 05 46 02.9 +1.1
ECAB	6.1nm,0.2s,SNR=18	Sn	Sn	05 46 36.9 +0.9
ECAB	43nm,0.2s,SNR=27	Lg	Lg	05 46 48.8
ETOR	Torete	2.94 357	Pn	Pn 05 46 05.5 +2.3
ETOR	4.4nm,0.2s,SNR=16	Pg	Pg	05 46 14.4 +1.4
ETOR	27nm,0.3s,SNR=42	Sn	Sn	05 46 39.4 +1.0
ETOR	19nm,0.2s,SNR=7.9	Lg	Lg	05 46 52.6
LJUA	46nm,0.3s,SNR=8.9	3.01 252	Pn	Pn 05 46 07.0 +2.8
LJUA	Lijar	3.01 252	Pg	Pg 05 46 15.0 +0.7
LJUA	Lijar	3.01 252	iPg	Pn 05 46 15.0 +0.7
LJUA	Lijar	3.01 252	Pg	Pg 05 46 15.0 +0.7
ESPR	Espera	3.37 254	Pn	Pn 05 46 10.7 +1.8
ESPR	1.4nm,0.2s,SNR=4.0	Pg	Pg	05 46 18.5 +2.3
ESPR	2.1nm,0.1s,SNR=4.0	Lg	Lg	05 47 06.9
ESPR	38nm,0.3s,SNR=7.9	Pn	Pn	05 46 12.5 +2.6
EBR	Ebro Roquetas	3.44 31	Pn	Pn 05 46 50.2 -0.4
EBR	26nm,0.1s,SNR=7.9	Sn	Sn	05 46 12.8 +2.0
ERTA	Horta de San J	3.50 28	Pn	Pn 05 46 52.1 +0.1
ERTA	8.7nm,0.3s,SNR=13	Sn	Sn	05 46 52.1 +0.1
JBK	JBK	3.59 190	P	Pn 05 46 13.1 +0.9
JBK	0.5nm,0.2s,SNR=5.0	Sn	Sn	05 46 52.4 -2.3
SMIR	Minr Dam	3.60 234	P	Pn 05 46 12.7 +0.5
SMIR	Smira Concepcio	3.84 270	Pn	Pn 05 46 56.3 +1.7
EMIN	2.9nm,0.2s,SNR=31	Sn	Sn	05 46 16.4 +0.9
EMIN	7.2nm,0.2s,SNR=12	Lg	Lg	05 47 00.6 +0.1
EMIN	21nm,0.3s,SNR=5.0	Lg	Lg	05 47 19.5
CHEFC	Chefchaouen	3.96 227	P	Pn 05 46 19.6 +2.4
CHEFC	ESAC	3.97 15	Pn	Pn 05 47 07.4 +3.8
ESAC	San Caprasio	3.97 15	Pn	Pn 05 46 20.4 +3.0
ESAC	2.0nm,0.5s,SNR=5.6	Pg	Pg	05 46 32.9 +0.2
ESAC	37nm,0.3s,SNR=8.0	Lg	Lg	05 47 23.8
ETOS	Mallorca	4.08 61	Pn	Pn 05 46 19.5 +0.7
ETOS	2.3nm,0.2s,SNR=5.5	Sn	Sn	05 47 05.7 -0.8
ETOS	5.1nm,0.5s,SNR=7.9	Sn	Sn	05 46 21.1 +1.6
EPOB	Poble	4.13 32	Pn	Pn 05 47 07.1 -0.6
EPOB	7.6nm,0.3s,SNR=9.7	Sn	Sn	05 46 20.7 +1.3
EPOB	8.2nm,0.3s,SNR=5.0	Pn	Pn	05 47 07.0 +0.5
PBAR	Barrancos	4.13 276	ePn	Pn 05 47 29.1 +0.1
PBAR	Barrancos	4.13 276	eS	Sg 05 47 29.1 +0.1
PBAR	Barrancos	4.13 276	Pn	Pn 05 46 20.7 +1.3
PBAR	Barrancos	4.13 276	Pn	Pn 05 47 07.0 -0.6
PBAR	Barrancos	4.13 276	Lg	Lg 05 47 29.1
EBAD	Badajoz	4.17 284	Pn	Pn 05 46 20.9 +0.8
EBAD	1.0nm,0.1s,SNR=20	Pg	Pg	05 46 35.6 -1.0
EBAD	2.5nm,0.1s,SNR=6.8	Sn	Sn	05 47 09.6 +0.9
EBAD	34nm,0.2s,SNR=15.0	Lg	Lg	05 47 29.2
EGRO	Ei Granado	4.50 267	Pn	Pn 05 46 25.1 +0.6
EGRO	6.0nm,0.2s,SNR=31	Sn	Sn	05 47 15.9 -0.8
EGRO	11nm,0.2s,SNR=7.9	Lg	Lg	05 47 40.4
PMRV	42nm,0.6s,SNR=7.9	4.62 291	ePn	Pn 05 46 27.1 +0.8
PMRV	PMRV???	4.62 291	eS	Sn 05 47 19.6 -0.2
PMRV	PMRV???	4.62 291	eS	Sg 05 47 43.4 -1.6
PMRV	PMRV???	4.62 291	A	05 47 51.4
PMRV	PMRV???	4.62 291	Pn	Pn 05 46 27.1 +0.8
PMRV	PMRV???	4.62 291	Sn	Sn 05 47 19.6 -0.2
PMRV	PMRV???	4.62 291	Lg	Lg 05 47 43.4
PESTR	Estremoz	4.64 284	ePn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	eS	Pn 05 47 07.0 +0.5
PESTR	Estremoz	4.64 284	Pn	Pn 05 47 29.1 +0.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.9 +0.8
PESTR	Estremoz	4.64 284	Pg	Pg 05 46 35.6 -1.0
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 09.6 +0.9
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.2
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 25.1 +0.6
PESTR	Estremoz	4.64 284	Sn	Sn 05 47 15.9 -0.8
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 40.4
PMRV	52nm,0.6s	4.62 291	ePn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	eS	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	eS	Sg 05 47 43.4 -1.6
PMRV	52nm,0.6s	4.62 291	A	05 47 51.4
PMRV	52nm,0.6s	4.62 291	Pn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	Sn	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	Lg	Lg 05 47 43.4
PESTR	Estremoz	4.64 284	ePn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	eS	Pn 05 47 07.0 +0.5
PESTR	Estremoz	4.64 284	Pn	Pn 05 47 29.1 +0.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.9 +0.8
PESTR	Estremoz	4.64 284	Pg	Pg 05 46 35.6 -1.0
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 09.6 +0.9
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.2
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 25.1 +0.6
PESTR	Estremoz	4.64 284	Sn	Sn 05 47 15.9 -0.8
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 40.4
PMRV	52nm,0.6s	4.62 291	ePn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	eS	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	eS	Sg 05 47 43.4 -1.6
PMRV	52nm,0.6s	4.62 291	A	05 47 51.4
PMRV	52nm,0.6s	4.62 291	Pn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	Sn	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	Lg	Lg 05 47 43.4
PESTR	Estremoz	4.64 284	ePn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	eS	Pn 05 47 07.0 +0.5
PESTR	Estremoz	4.64 284	Pn	Pn 05 47 29.1 +0.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.9 +0.8
PESTR	Estremoz	4.64 284	Pg	Pg 05 46 35.6 -1.0
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 09.6 +0.9
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.2
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 25.1 +0.6
PESTR	Estremoz	4.64 284	Sn	Sn 05 47 15.9 -0.8
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 40.4
PMRV	52nm,0.6s	4.62 291	ePn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	eS	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	eS	Sg 05 47 43.4 -1.6
PMRV	52nm,0.6s	4.62 291	A	05 47 51.4
PMRV	52nm,0.6s	4.62 291	Pn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	Sn	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	Lg	Lg 05 47 43.4
PESTR	Estremoz	4.64 284	ePn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	eS	Pn 05 47 07.0 +0.5
PESTR	Estremoz	4.64 284	Pn	Pn 05 47 29.1 +0.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.9 +0.8
PESTR	Estremoz	4.64 284	Pg	Pg 05 46 35.6 -1.0
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 09.6 +0.9
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.2
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 25.1 +0.6
PESTR	Estremoz	4.64 284	Sn	Sn 05 47 15.9 -0.8
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 40.4
PMRV	52nm,0.6s	4.62 291	ePn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	eS	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	eS	Sg 05 47 43.4 -1.6
PMRV	52nm,0.6s	4.62 291	A	05 47 51.4
PMRV	52nm,0.6s	4.62 291	Pn	Pn 05 46 27.1 +0.8
PMRV	52nm,0.6s	4.62 291	Sn	Sn 05 47 19.6 -0.2
PMRV	52nm,0.6s	4.62 291	Lg	Lg 05 47 43.4
PESTR	Estremoz	4.64 284	ePn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	eS	Pn 05 47 07.0 +0.5
PESTR	Estremoz	4.64 284	Pn	Pn 05 47 29.1 +0.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.7 +1.3
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.1
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 20.9 +0.8
PESTR	Estremoz	4.64 284	Pg	Pg 05 46 35.6 -1.0
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 09.6 +0.9
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 29.2
PESTR	Estremoz	4.64 284	Pn	Pn 05 46 25.1 +0.6
PESTR	Estremoz	4.64 284	Sn	Sn 05 47 15.9 -0.8
PESTR	Estremoz	4.64 284	Lg	Lg 05 47 40.4
PMRV	52nm,0.6s	4.62 291	ePn	Pn 05 46 27.1

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

ISCJB 07 05:47:44.3-0.6, 13.93N:01:09:145.1E:0.2, h125km, mb5.0/12, Error ellipse: s-maj=21.7km s-min=12.8km az=3.8

IDC 07 05:47:45.1-0.6, 13.92N:145.14E, h118km, mb3.7/12, mb1 3.9/12, mb1mx3.6/42, mbtmp4.0/12, Error ellipse: s-maj=21.1km s-min=13.9km az=92.0

ISC 07 05:47:45.3-0.6, 13.93N:01:145.0E:0.1, h125km, n25, r1524/21, mb3.9/12, Mariana Islands

Main table section 1 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like GUMO, H11S3, H11S1, etc.

MAN 07 05:56:42.9, 15:06N:119:45E, h17km, mb5.4, ML4.4, MS4.6

ISCJB 07 05:56:46.3-0.6, 15:00N:01:03:119:68E:0.06, h57km, 6km, mb4.3/32, MS3.7/6, Error ellipse: s-maj=9.4km s-min=4.6km az=171.1

IDC 07 05:56:47.5-2.4, 14:94N:119:73E, h52km, 22km, mb3.8/18, mb1 3.9/18, mb1mx3.9/38, mbtmp4.0/18, MS3.7/7, Ms1 3.7/7, ms1mx3.3/32, Error ellipse: s-maj=22.4km s-min=11.8km az=70.0

NEIC 07 05:56:48.3-0.8, 14:95N:119:85E, h62km, 6km, mb4.4/17, Error ellipse: s-maj=8.0km s-min=4.8km az=67.0

ISC 07 05:56:49.1-1.6, 14.98N:01:03:119:75E:0.06, h107km, 10km, n7.0, r1528/80, mb3/32, MS3.8/6, 2D, Luzon

Main table section 2 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like SCZP, LUBP, TG, etc.

Main table section 3 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like AS31, ASAR, AS01, etc.

ISCJB 07 06:15:38.4-0.2, 43:18N:01:18:71E:0.02, h10km, Error ellipse: s-maj=2.4km s-min=1.7km az=163.2

BE0 07 06:15:38.2-0.3, 43:14N:18:70E, h0km, ML2.5/10, PDG 07 06:15:38.8-0.1, 43:13N:18:68E, h17km, MD2.6/2, ML2.5/10, Error ellipse: s-maj=0.3km s-min=0.3km az=0.0

SAR 07 06:15:39.1-0.3, 43:18N:18:78E, h5km, 3km, ML2.8/7, ISC 07 06:15:38.4-1.1, 43:16N:01:02:1871E:0.02, h3km, 9km, n59, r089/96, 20C-6D, Northwestern Balkan Peninsula

Main table section 4 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like BRY, NKME, TREB, etc.

Main table section 5 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like BLY, TIR, KRUS, etc.

IDC 07 06:23:44.3-6.1, 19:81S:176:82E, h0km, mb3.8/3, mb1 4.1/3, mb1mx3.7/27, mbtmp3.8/3, Error ellipse: s-maj=262.0km s-min=38.0km az=147.0, South of Fiji Islands

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

ISCJB 07 06:27:11.1-0.3, 52:90N:01:10:174:62W:0.09, h241km, 4km, mb3.4/5, Error ellipse: s-maj=16.8km az=157.2

IDC 07 06:27:12.1-2.9, 53:04N:174:58W, h234km, 29km, mb3.2/15, mb1 3.4/19, mb1mx3.3/47, mbtmp3.8/19, Error ellipse: s-maj=17.2km s-min=11.2km az=176.0

NEIC 07 06:27:13.0-0.0, 52:46N:174:49W, h228km, ML3.4(AEIC), After AEIC

ISC 07 06:27:12.0-0.6, 52:9N:01:10:174:62W:0.07, h238km, 7km, n41, r1511/49, mb3.3/15, Andeanof Islands

Main table section 6 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KOWE, KOKL, KOPF, etc.

ROM 07 06:51:00.2.0.1, 43.3425N, 0.004.12.442E, 0.006, h5km, 1km, ML1.4/5, Error ellipse: s-maj=0.5km s-min=0.1km az=92.0, Central Italy

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ATPI Pietralunga, ATVO AVT- Monte Val, ATFO Monte Foce, etc.

IDC 07 07:09:11.6.2.4, 3.52S, 152.12E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.3/21, mbtmp3.2/3, Error ellipse: s-maj=213.7km s-min=31.4km az=125.0, New Ireland region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

NNC 07 07:24:45.3.0.6, 45.73N, 80.90E, h0km, mb3.8, mpv3.7, Error ellipse: s-maj=10.2km s-min=3.6km az=131.0

SOME 07 07:24:47.6, 45.68N, 80.78E, h15km, Error ellipse: s-maj=12.8km s-min=3.7km az=33.2

ISC 07 07:24:46.5.3.1, 45.63N, 80.04E, h14km, 2.4km, n37, r131/59, 7C-6D, Kazakhstan-Xinjiang border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KAPS Kapalarasan, MAKZ Makanchi, MK31 Makanchi Array, etc.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DJR 48nm, 0.1s, TDK Taldyqorghan, etc.

SJA 07 07:34:38.7.0.5, 21.18S, 68.75W, h134km, 5km, ML2.3, MW3.6

ISCJB 07 07:34:39.5.0.5, 21.17S, 68.77W, h133km, 6km, mb3.6/3, Error ellipse: s-maj=12.3km s-min=4.7km az=0.7

GUC 07 07:34:40.0.0.5, 21.15S, 68.74W, h122km, 3km, ML3.4, Error ellipse: s-maj=35.5km s-min=10.7km az=103.0

ISC 07 07:34:39.7.0.8, 21.17S, 68.68W, h123km, 6km, n30, r109/45, mb3.5/3, 6C, Chile-Bolivia border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IP0C Station P, IPOC Station P, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PBO3 comp=E, 996nm, 0.3s, LVC Limon Verde, etc.

IDC 07 07:58:38.4.2.2, 3.07N, 129.33E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.5/33, mbtmp3.5/4, Error ellipse: s-maj=157.0km s-min=25.1km az=68.0, North of Halmahera

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

RSNC 07 08:11:42.9.0.8, 6.78N, 73.16W, h153km, 7km, ML1.6, Northern Colombia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BARC Barichara, BRRC Barranca, etc.

IDC 07 08:26:50.1.2.7, 18.22S, 172.98W, h0km, mb4.3/3, mb1 4.6/3, mb1mx3.9/39, mbtmp4.3/3, Error ellipse: s-maj=287.7km s-min=32.0km az=158.0, Tonga Islands region

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

IDC 07 08:27:03.4.6.5, 16.42S, 179.77E, h0km, mb3.9/3, mb1 4.2/3, mb1mx3.8/37, mbtmp3.9/3, Error ellipse: s-maj=287.9km s-min=34.5km az=142.0, Fiji Islands

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

ISCJB 07 08:40:18.0.4.3, 31.81S, 178.17W, h0km, h10km, mb4.8/27, MS4.0/14, Error ellipse: s-maj=9.8km s-min=3.0km az=17.0

IDC 07 08:40:18.5.0.6, 31.47S, 177.89W, h0km, mb4.4/11, mb1 4.6/13, mb1mx4.4/38, mbtmp4.5/13, ML3.3/1, MS4.0/15, Ms1 4.0/15, ms1mx2.8/30, Error ellipse: s-maj=20.0km s-min=16.2km az=77.0

NEIC 07 08:40:19.6.0.3, 31.64S, 178.13W, h10km, mb4.6/21, Error ellipse: s-maj=8.8km s-min=4.7km az=112.0

ISC 07 08:40:19.8.0.4, 31.66S, 178.17W, h0km, h10km, n137, r2812/158, mb4.8/27, MS4.0/14, 2K, Bermuda Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GLKZ Green Lake, RAO Raoul Island, etc.

Table with columns: Station Name, Frequency, Mode, and other details. Includes stations like WMGZ, HAZ, PKGZ, etc.

Table with columns: Station Name, Frequency, Mode, and other details. Includes stations like MAW, MAW, MAW, etc.

Table with columns: Station Name, Frequency, Mode, and other details. Includes stations like G003, FSCY, CMIG, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other details. Includes stations like PINIG, TLIG, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other details. Includes stations like ISCJ, PNSJ, ANF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like D04E Lakebay, D03D Eldon, D05A Ennumlaw, etc.

NIED 07 08:58:00.39,50N,143.50E,h17km,Mw3.8 Best double couple: M6.58000,1014 NP1.38,175.0000, 822.00000, 154.00000, NP2.33,33.00000, 872.00000, 103.00000.

ISCBJ 07 08:58:18.1,1.5,39.46N,143.55E,h24km,4km,M3.8, JMA 07 08:58:18.0,2.0,39.46N,143.55E,h24km,4km,M3.8

ISCBJ 07 08:58:22.9,3.4,39.46N,143.38E,h41km,30km,M3.8,4/7, mb1 3.6/9,mb1mx3.4/47,mbtmp3.7/9,ML3.1/2,MS2.8/1, Ms1 2.8/1,ms1mx2.3/38,Error ellipse: s-maj=3.4km

ISCBJ 07 08:58:18.0,2.1,39.48N,143.40E,0.07,h4km,12km, n29, c1823/34, mb3.7/7, Off east coast of Honshu

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

IDC 07 09:00:22.2,3.0,18.02S,175.52W,h0km,mb3.4/3, mb1 3.8/3,mb1mx3.5/41,mbtmp3.4/3,Error ellipse: s-maj=333.6km s-min=34.2km az=159.0,Tonga Islands

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

TXAR 0.3nm,0.5s,baz=95,slow=7.5,SNR=3.0 Lajitas Array 83.75 57 P 09 12 53.7 0.0

MAN 07 09:12:22.2,10.63N,122.52E,h57km,mb3.8,ML2.5, MS2.0,1C, Panay

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUIM Jordan, GUIM RCP, CUYO Cuyo Island, ENPP El Nido.

JMA 07 09:13:01.3,0.2,24.98N,122.02E,h16km ISCBJ 07 09:13:02.3,0.4,24.83N,122.02E,h6km,3km, Error ellipse: s-maj=4.3km s-min=3.4km az=158.0

TAP 07 09:13:02.3,24.84N,122.03E,h11km,ML2.5, ISC 07 09:13:02.2,0.9,24.83N,122.04E,0.02,h15km,7km, n40,c057/63,Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TWB1 Santiao Chiao, NTC Toucheng, NTC Toucheng, TIPB Shuangxi, etc.

ISCBJ 07 09:13:02.2,0.9,24.83N,122.04E,0.02,h15km,7km, n40,c057/63,Taiwan region

ISCBJ 07 09:13:02.2,0.9,24.83N,122.04E,0.02,h15km,7km, n40,c057/63,Taiwan region

ISCBJ 07 09:13:02.2,0.9,24.83N,122.04E,0.02,h15km,7km, n40,c057/63,Taiwan region

ISCBJ 07 09:13:02.2,0.9,24.83N,122.04E,0.02,h15km,7km, n40,c057/63,Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TWB1 Santiao Chiao, NTC Toucheng, NTC Toucheng, TIPB Shuangxi, etc.

KRSC 07 09:26:28.2,10.0,49.15N,156.22E,h48km,10km,ML3.6, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, ALID Alaid, PAU Puzhetka, etc.

ISCBJ 07 09:33:25.9,0.2,3.56S,103.138,51E,0.03,h71km, mb4.5/61, Error ellipse: s-maj=4.0km s-min=3.9km az=5.6

Msa.7/2, Ms7 4.4/1 IDC 07 09:33:27.6,1.8,3.48S,138.57E,h72km,17km,mb4.1/14, mb1 4.3/20,mb1mx4.1/41,mbtmp4.5/20,MS3.0/7, Ms1 3.0/7,ms1mx2.8/34, Error ellipse: s-maj=16.3km s-min=12.0km az=75.0

DJA 07 09:33:28.0,0.4,4.54S,139.9E,h44km,13km,M4.8/9, mB5.2/4,mb4.8/9,MLv4.8/5,MW(B)4.5/4, NEIC 07 09:33:28.0,0.6,3.51S,138.53E,h79km,6km,mb4.6/48, Error ellipse: s-maj=5.2km s-min=4.8km az=85.0

ISC 07 09:33:27.4,0.3,3.63S,104.138,49E,0.04,h71km,n117, c2515/31,mb4.6/61,Irian Jaya

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







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Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like SJU Sorong, KLBR Kellerberrin, RKGY Rocky Gully, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like O02D Mt. Diablo Mer, SWSC Sam W. Stewart, CMB Columbia Colle, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like WVOR Wild Horse, WVOR Wild Horse Val, X16A Lo Mia Camp, etc.

Table with columns: ANMO, Albuquerque, 92.29, 52, P, P, 11 20 49.6 +0.7, etc. Includes stations like RND Reindeer, LNLG Linares, MENT Mentasta, etc.

Table with columns: SPA0 Spitsbergen Ar, 127.01, 356, ePKP, PKIKP, 11 26 38.2 -0.3, etc. Includes stations like ILULI Ilulissat, GBN Guysborough, ARU Arvi, etc.

Table with columns: BNI Bardonecchia, 160.02, 346, ePKP, PKPab, 11 28 17.7 +1.0, etc. Includes stations like DBIC Dimbokro, ESDC Sonseca Array, etc.

IDC 07 11:14:59.0, 1.9, 31.53S; 178.08W, h0km, mb3.9/3, mb1 4.1/4, mb1mx3.7/44, mbtm3.9/4, ML3.5/1, Error ellipse: s-maj=47.1km s-min=34.6km az=66.0

NEIC 07 11:15:06.4, 1.3, 31.77S; 178.15W, h35km, 5km, mb3.0, 1/6, Error ellipse: s-maj=32.6km s-min=21.7km az=93.0

ISC 07 11:15:05.1, 1.3, 31.91S; 177.3W, 0.2, h35km, n19, c204/21, mb4.2/6, Kermadec Islands region

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

KRSC 07 11:21:19.7, 10.0, 50.84N; 155.40E, h49km, 10km, ML3.7, IDC 07 11:21:27.0, 25.0, 51.99N; 155.05E, h430km, 20km, mb2.3/2, mb1 2.62, mb1mx2.3/51, mbtm3.1/2, Error ellipse: s-maj=683.6km s-min=116.9km az=87.0

ISC 07 11:21:24.9, 2.5, 51.4N; 02.2, 154.6E, 0.3, h450km, n11, c157/13, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like KDTR Khodutka, Kamc, PETK Petropavlovsk, DALK Dalny, etc.

ROM 07 11:23:24.9, 0.2, 46.05N; 01.14, 78E, 0.01, h5km, 1km, ML3.6/2/3, Error ellipse: s-maj=1.4km s-min=0.6km az=201.0

ISCJB 07 11:23:24.7, 0.2, 46.093N; 010:14.74E; 0.01, h8km, 1km, Error ellipse: s-maj=1.6km s-min=1.4km az=11.3

LJU 07 11:23:25.1, 46.06N; 14.76E, h8km, ML3.1, BEO 07 11:23:25.0, 0.5, 46.15N; 14.73E, h0km, ML3.4/7, VIE 07 11:23:26.9, 0.4, 46.16N; 14.70E, h5km, 2km, mb3.0/19, m3.4/22, Error ellipse: s-maj=4.0km s-min=2.2km az=149.0

SAR 07 11:23:26.2, 0.4, 46.05N; 14.74E, h2km, 2km, ML3.2/9, NEIC 07 11:23:27.0, 25.0, 51.99N; 155.05E, h10km, ML3.1(LJU), ML3.4(ROM), ML3.3(VIE), Error ellipse: s-maj=5.4km s-min=4.9km az=195.0

NEIC Felt at Ljubljana and Menges. BGR 07 11:23:28.7, 0.5, 46.21N; 14.79E, h10km, ML3.4/11, Error ellipse: s-maj=5.6km s-min=5.6km az=164.0

PRU 07 11:23:28.9, 0.0, 46.22N; 14.71E, h12km, LDG 07 11:23:28.2, 0.2, 46.27N; 14.80E, h10km, ML3.2/32, Error ellipse: s-maj=5.6km s-min=4.1km az=151.0

ISC 07 11:23:25.6, 0.7, 46.09N; 010:14.71E; 0.01, h12km, 4km, n242, c1975/392, 21C-10D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like VNDS Vrh nad Dolci, LJU Ljubljana, LJU Ljubljana, etc.

7d 11h

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CEY	Cerknica	0.40 209	iPg	Pg	11 23 33.2	-0.4
CEY			eSg	Sg	11 23 38.3	-0.7
OBKA	Obir	0.43 345	ePg	Pg	11 23 34.7	+0.5
OBKA			eSg	Sg	11 23 39.7	-0.3
OBKA	Obir	0.43 345	iPg	Pg	11 23 34.7	+0.5
OBKA	comp-Z,312nm,0.2s,SNR=466			Sg	11 23 39.7	-0.3
OBKA	comp-Z,236nm,0.1s			Sg	11 23 39.7	-0.3
OBKA	Obir	0.43 345	ePg	Pg	11 23 34.8	+0.5
OBKA			eSg	Sg	11 23 40.9	+0.9
LEGS	Legarje	0.45 108	iPg	Pg	11 23 33.4	-1.0
LEGS			eSg	Sg	11 23 39.6	-0.8
JAVS	Javornik	0.49 246	iPg	Pg	11 23 35.2	0.0
JAVS			eSg	Sg	11 23 42.0	+0.3
JAVS	comp-Z,393nm,0.1s			Sg	11 23 35.0	-1.0
DOBS	Dobrina	0.53 83	iPg	Pg	11 23 36.8	-0.3
GORS	Gorjuse	0.54 295	iPg	Pb	11 23 36.8	-0.3
GORS			eSg	Sb	11 23 44.5	-0.4
GORS	comp-Z,323nm,0.1s			Sg	11 23 35.7	-0.9
GORS	Gornja Briga	0.56 173	iPg	Pg	11 23 36.9	+0.1
GORS	Vojsko	0.58 264	iPg	Sb	11 23 46.7	+0.9
GORS	comp-Z,193nm,0.1s			Sg	11 23 35.7	-1.4
CRES	Cresnjevi	0.59 117	iPg	Pg	11 23 43.5	-1.3
CRES			eSg	Sg	11 23 35.6	-1.4
CRES	comp-Z,67nm,0.1s			Sg	11 23 43.3	-1.5
CRES	Cresnjevi	0.59 117	iPg	Pg	11 23 35.6	-1.4
CRES			eSg	Sg	11 23 36.8	-0.7
KNDS	Knezi Dol	0.61 202	iPg	Sg	11 23 35.1	-0.4
KNDS	comp-Z,1µm,0.3s			Sg	11 23 37.3	-0.3
PERS	Pernice	0.61 27	iPg	Pg	11 23 45.2	-0.5
PERS			eSg	Sg	11 23 37.6	-0.2
BISS	Bistriski jare	0.63 27	iPg	Pg	11 23 37.7	-0.2
BISS	comp-Z,364nm,0.1s			Sg	11 23 46.1	-0.1
SOKA	Soboth	0.63 21	ePg	Pg	11 23 37.7	-0.2
SOKA			eSg	Sg	11 23 37.7	-0.2
SOKA	Soboth	0.63 21	ePg	Pg	11 23 37.7	-0.2
SOKA	comp-Z,197nm,0.4s,SNR=237			Sg	11 23 46.1	-0.1
SOKA	comp-Z,139nm,0.2s			Sg	11 23 37.1	-1.0
GOLS	Golise	0.64 97	iPg	Pg	11 23 46.6	0.0
GOLS			eSg	Sg	11 23 37.7	-0.8
GROS	Grobnik	0.66 56	iPg	Pg	11 23 45.7	-1.6
GROS			eSg	Sg	11 23 37.5	-1.3
GCIS	Gornji Cirknik	0.68 109	iPg	Pg	11 23 39.0	-0.7
CADS	Cadrg	0.69 282	iPg	Pg	11 23 48.4	+0.5
CADS			eSg	Sb	11 23 37.9	-1.2
BOJS	Bojanci	0.70 147	iPg	Pg	11 23 46.3	-0.2
BOJS			eSg	Sg	11 23 49.0	+0.6
BOJS	comp-Z,289nm,0.2s			Sg	11 23 37.9	-1.2
BOJS	Bojanci	0.70 147	P	Pg	11 23 37.9	-1.2
BOJS	Bojanci	0.70 147	P	Pg	11 23 37.9	-1.2
BOJS	Bojanci	0.70 147	S	Sg	11 23 47.1	-1.3
BOJS			eSg	Sg	11 23 47.1	-1.3
BOJS	comp-E,2265µm,1.5s			AML		
BOJS	comp-N,1645µm,0.5s			AML		
BOJS	comp-E,2265µm,1.5s			AML		
BOJS	comp-N,1645µm,0.5s			AML		
BOJS	comp-N,1645µm,0.5s			AML		
BOJS	comp-N,1645µm,0.5s			AML		
BOJS	comp-E,2265µm,1.5s			AML		
OZLJ	Ozalj	0.71 132	ePg	Pg	11 23 38.3	-1.1
OZLJ			eSg	Sg	11 23 46.3	-2.5
SKDS	Skadancina	0.73 222	ePg	Pg	11 23 39.0	-0.7
SKDS			eSg	Sg	11 23 48.9	-0.4
SKDS	Skadancina	0.73 222	iPg	Pg	11 23 38.8	-0.9
SKDS			eSg	Sg	11 23 49.1	-0.2
SKDS	comp-Z,387nm,0.1s			Sg	11 23 40.3	-0.4
SABO	M.ite Sabotino	0.78 262	P	Pg	11 23 40.2	-0.5
SABO	M.ite Sabotino	0.78 262	P	Pg	11 23 40.2	-0.5
SABO			S	Sb	11 23 52.0	+0.4
SABO			AML	AML		
SABO	comp-E,5545µm,0.4s			AML		
SABO	comp-N,4240µm,0.6s			AML		
SABO	comp-E,5545µm,0.4s			AML		
SABO	comp-N,4240µm,0.6s			AML		
SABO	comp-N,4240µm,0.6s			AML		
SABO	comp-N,4240µm,0.6s			AML		
SABO	comp-E,5545µm,0.4s			AML		
RIY	Rijeka	0.78 192	ePg	Pg	11 23 39.8	-0.9
RIY			eSg	Sb	11 23 52.2	+0.6
RIY	Rijeka	0.78 192	iPg	Pg	11 23 39.5	-1.2
RIY			eSg	Sg	11 23 51.0	+0.1
ROBS	Robic	0.85 281	iPg	Pg	11 23 41.6	-0.3
ROBS			eSg	Sg	11 23 54.2	+0.7
MYKA	Terra Mystica	0.91 307	ePg	Pb	11 23 43.5	+0.2
MYKA			eSg	Sb	11 23 56.2	+0.7
MYKA	Terra Mystica	0.91 307	ePg	Pb	11 23 43.5	+0.2
MYKA	comp-Z,45nm,0.4s,SNR=69			Sg	11 23 56.2	+0.7
MYKA	comp-Z,122nm,0.3s			Sg	11 23 42.7	-0.9
ZAG	Zagreb	0.93 106	ePg	Pb	11 23 55.4	+0.5
ZAG			eSg	Sb	11 24 00.5	+1.3
PTCC	Patocco-Chiusa	0.99 289	P	Pn	11 24 01.0	+1.8
PTCC	Patocco-Chiusa	0.99 289	S	Sb	11 23 44.4	-0.2
PTCC	Patocco-Chiusa	0.99 289	P	Pn	11 23 59.0	-0.2
PTCC			AML	AML		
PTCC	comp-E,1985µm,1.1s			AML		
PTCC	comp-N,1640µm,0.8s			AML		
PTCC	comp-E,1985µm,1.1s			AML		
PTCC	comp-N,1640µm,0.8s			AML		
PTCC	comp-N,1640µm,0.8s			AML		
PTCC	comp-E,1985µm,1.1s			AML		
PTCC	comp-N,1640µm,0.8s			AML		
PTCC	comp-E,1985µm,1.1s			AML		
PTCC	Patocco-Chiusa	0.99 289	P	Pb	11 23 44.4	-0.2
VINO	Villanova	1.00 280	P	Pb	11 23 44.7	-0.2
VINO	Villanova	1.00 280	P	Pb	11 23 44.5	-0.3
VINO			eSg	Sb	11 23 46.2	-0.8
KOGS	Kog	1.13 71	iPg	Sb	11 24 01.8	+0.2
KOGS			eSg	Sb	11 23 46.1	-0.9
KOGS	comp-E,2945µm,1.4s			AML		
KOGS	comp-N,3030µm,0.6s			AML		
KOGS	comp-E,2945µm,1.4s			AML		
KOGS	comp-N,3030µm,0.6s			AML		
KOGS	comp-E,2945µm,1.4s			AML		
KOGS	comp-N,3030µm,0.6s			AML		
KOGS	comp-E,2945µm,1.4s			AML		
KOGS	comp-N,3030µm,0.6s			AML		
ARSA	Arzberg	1.29 26	ePg	Pb	11 23 49.1	-0.2
ARSA			eSg	Sb	11 24 06.1	-0.2
ARSA	Arzberg	1.29 26	ePg	Pb	11 23 49.1	-0.2
ARSA	comp-N,36nm,0.4s,SNR=194			Sg	11 24 06.1	-0.2
ARSA	comp-N,193nm,0.6s			Sg	11 23 49.8	+0.4
ARSA	Arzberg	1.29 26	ePg	Pb	11 24 06.3	+0.1
ARSA	Arzberg	1.29 26	P	Pb	11 23 49.2	-0.1
ARSA	Arzberg	1.29 26	P	Pb	11 23 49.1	-0.2
ARSA			AML	AML		
ARSA	comp-E,389µm,0.5s			AML		
ARSA	comp-N,352µm,0.6s			AML		
ARSA	comp-E,389µm,0.5s			AML		
ARSA	comp-N,352µm,0.6s			AML		

ARSA	comp-E,389µm,0.5s			AML	AML	
ARSA	comp-N,352µm,0.6s			AML	AML	
KBA	Koelnbreinsper	1.36 317	ePg	Pb	11 23 51.5	+0.5
KBA			eSg	Sb	11 24 10.0	+0.5
KBA	Koelnbreinsper	1.36 317	ePg	Pb	11 23 51.5	+0.5
KBA	comp-N,115nm,0.3s,SNR=126			iSg	11 24 10.0	+0.5
KBA	comp-N,51nm,0.2s			Sg	11 23 51.6	+0.5
KBA	Koelnbreinsper	1.36 317	ePg	Pb	11 23 53.6	+2.5
KBA			eSg	Sb	11 24 10.1	+0.5
KBA	Koelnbreinsper	1.36 317	ePg	Pb	11 24 14.0	+3.4
KBA			eSg	Sb	11 23 52.1	-0.3
STAL	STALIGAL	1.40 278	S	Sg	11 24 13.0	+2.4
STAL	STALIGAL	1.40 278	P	Pg	11 23 52.1	-0.3
STAL	STALIGAL	1.40 278	S	Sg	11 24 13.0	+2.4
STAL			AML	AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2240µm,0.4s			AML		
STAL	comp-E,2515µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E,2510µm,0.8s			AML		
STAL	comp-N,3085µm,0.8s			AML		
STAL	comp-E,2775µm,0.8s			AML		
STAL	comp-N,2245µm,0.4s			AML		
STAL	comp-E					

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
TUE	Stuetta	3.74	278	ePn	Pn	11 24 26.9	+3.8			
GLOPS	Plons/SG	3.80	287	ePn	Pn	11 24 28.6	-3.9			
PONC	GO Pecny, Ondr	3.83	1	ePN	Pb	11 24 25.5	+1.3			
GOPC				ePG	Pb	11 24 26.0	+3.0			
AGU	L'Aquila	3.85	195	ePn	Pn	11 24 29.5	-4.0			
SAU	L'Aquila	3.85	195	0.0	Sn	11 24 27.0	+2.3			
STON	Ston	3.87	145	ePn	Pn	11 24 26.5	+1.3			
PRU	Pruhonic	3.90	358	ePN	Pn	11 24 38.6	-1.7			
PRU				ePG	Sg	11 25 10.6	-0.3			
PRU				eSN	Pn	11 25 27.4	-3.4			
PRU				eSG	Sg	11 24 26.1	-0.5			
PSZ	Piszkesteto	3.99	61	ePn	Pn	11 24 26.0	-0.5			
PSZ	Piszkesteto	3.99	61	ePn	Pn	11 25 12.1	-1.2			
PSZ				eS	Pn	11 24 23.8	-2.8			
PSZ				ePn	Pn	11 24 27.4	+0.4			
BBLs	Laz#2631	4.01	122	ePn	Pn	11 24 28.9	+1.7			
ROTZ	Rotzenmuhle	4.04	336	ePn	Pn	11 24 42.4	-0.6			
ROTZ				ePG	Pg	11 25 34.3	-1.0			
ROTZ				eSG	Pg	11 25 20.0	+4.7			
MSSA	Maissana	4.08	246	S	Pn	11 24 29.8	+1.1			
MORC	Moravsky Berou	4.15	26	ePn	Pn	11 24 30.0	+1.6			
MORC	Moravsky Berou	4.15	26	ePN	Pn	11 24 31.8	+1.4			
MORC	Moravsky Berou	4.15	26	ePN	Pn	11 24 32.8	+2.1			
KRLC	Kraliky	4.22	18	ePN	Pn	11 24 46.5	-1.3			
DIVS	Divbare	4.24	116	ePn	Pn	11 24 47.4	-0.4			
TREB	Trebinje	4.26	141	ePn	Pn	11 25 42.5	-1.0			
TREB				eS	Pn	11 24 34.5	+3.8			
MANZ	Manzenberg	4.27	337	ePn	Pn	11 24 34.5	+3.8			
MANZ				eSG	Pg	11 24 34.5	+3.8			
GRA1	Grafenberg Arr	4.30	328	ePn	Pn	11 24 34.5	+3.8			
GRA1				ePG	Pg	11 24 34.5	+3.8			
GRF	Grafenberg Arr	4.30	328	ePn	Pn	11 24 34.5	+3.8			
GRF				eSG	Pg	11 24 34.5	+3.8			
GRFO	Grafenberg	4.30	328	ePn	Pn	11 24 34.5	+3.8			
GRFO				ePG	Pg	11 24 34.5	+3.8			
DFC	Dobruska-Polom	4.40	14	ePn	Pn	11 24 34.5	+3.8			
DPC				ePn	Pn	11 24 34.5	+3.8			
NKC	Novy Kostel	4.41	341	ePn	Pn	11 25 23.2	-0.3			
NKC				eSN	Sg	11 25 44.5	-2.6			
NKC				eSG	Sg	11 24 32.9	+0.2			
TRAG	Trudej	4.44	113	ePn	Pn	11 24 34.2	+1.2			
MSUS	Monte S. Angel	4.46	168	P	Pb	11 24 47.7	+3.7			
TOLF	Tolfa	4.47	207	P	Pb	11 24 35.7	+2.2			
UPC	Udice	4.50	11	ePN	Pn	11 24 48.6	-3.2			
UPC				ePG	Pg	11 24 35.5	+0.3			
IVAS	Ivanjica	4.62	121	ePn	Pn	11 24 37.8	+0.2			
GRU	Gruza	4.80	115	ePn	Pn	11 25 58.4	-1.6			
BRG	Berggiesshubel	4.81	314	SG	Sg	11 24 40.2	+1.4			
BFO	Black Forest	4.89	300	ePn	Pg	11 24 58.8	-0.4			
BFO				ePG	Pg	11 24 58.9	-0.2			
BFO	Black Forest	4.89	300	ePn	Pn	11 24 59.0	-0.2			
BFO				ePG	Pg	11 26 04.9	+2.4			
TTG	Podgorica	4.91	137	ePn	Pn	11 25 41.1	+5.5			
ITG				eS	Pn	11 24 37.2	+4.1			
CFE	Carife	5.08	175	P	Pn	11 24 46.0	+3.4			
MDV	Moldovita	5.05	102	ePn	Pn	11 25 45.8	+3.8			
SENI	Lac Senin/Sane	5.15	276	ePn	Pn	11 24 46.4	+3.5			
SENI				eS	Pn	11 24 47.4	+2.4			
VULT	Monte Vulture	5.18	172	P	Pn	11 25 06.0	-1.8			
CLL	Collm	5.34	348	ePn	Pg	11 25 47.0				
CLL	Collm	5.34	348	e(Pg)	Pg	11 26 14.0	-2.9			
CLL				eSG	Sg	11 24 45.8	-0.1			
SELS	Setova	5.40	120	ePn	Pn	11 24 49.0	+2.9			
PGF	Pioggiola	5.41	231	ePn	Pn	11 25 48.7	+0.3			
PGF				eSN	Pn	11 24 48.8	+0.6			
CDF	Champ du Feu	5.57	297	ePn	Pn	11 25 10.1	-2.0			
CDF				ePn	Pn	11 25 49.7	-2.4			
CDF				eSG	Sg	11 26 21.0	-3.2			
ECH	Echery	5.57	295	ePn	Pn	11 24 50.8	+2.6			
LPG	La Plagne	5.59	267	ePn	Pn	11 24 50.4	+1.6			
LPG				eSN	Pn	11 25 52.6	-0.5			
LPL	La Plagne	5.61	267	ePn	Pn	11 24 50.7	+1.8			
LPL				eS	Pn	11 25 51.4	-0.4			
SBF	Sospel	5.62	249	ePn	Pn	11 24 51.3	+2.4			
SBF				eSN	Pn	11 25 53.0	-0.4			
HINF	Hinteratfeld	5.65	291	ePn	Pn	11 24 50.1	+0.8			
HINF				eSN	Pn	11 25 52.1	-1.9			
HINF				eSG	Sg	11 26 24.6	-2.2			
BN1	Bardonecchia	5.73	262	ePn	Pn	11 25 57.0	+0.7			
BN1				eS	Pn	11 24 52.2	+1.4			
MBDF	Montbardon	5.75	259	ePn	Pn	11 25 59.9	-0.9			
MBDF				eSN	Pn	11 24 54.9	+0.9			
CABF	La Chapelle	5.99	278	ePn	Pg	11 25 18.3	-1.9			
CABF				ePn	Pn	11 26 00.5	-2.0			
CABF				eSG	Sg	11 26 36.0	-1.8			
HAU	Haudompre	6.03	292	ePn	Pn	11 24 55.6	+1.2			
HAU				ePn	Pn	11 25 18.3	-2.6			
HAU				eSN	Pn	11 26 00.9	-2.4			
HAU				eSG	Sg	11 26 34.6	-4.2			
T0721	Laino Castello	6.22	171	P	Pn	11 25 01.9	+4.7			
FRF	La Foret Royal	6.27	249	ePn	Pn	11 24 59.6	+1.9			
FRF				eSN	Pn	11 26 08.1	-1.1			
ZAPS	Zavoje	6.31	114	ePn	Pn	11 24 59.2	+0.8			
ORIF	Oris-en-Rattie	6.31	262	ePn	Pn	11 24 59.9	+1.4			
ORIF				eSN	Pn	11 26 09.3	-1.2			
LMR	La Moure	6.48	248	ePn	Pn	11 25 01.9	+1.5			
LMR				eSN	Pn	11 26 11.0	-2.9			
PAGF	Fort de Pagny	6.58	295	ePn	Pg	11 25 29.1	-2.5			
PAGF				eSG	Sg	11 26 14.1	-2.9			
PAGF				eS	Sg	11 26 53.2	-3.6			
SMRF	Simiane la Rot	6.81	255	ePn	Pn	11 25 06.9	+1.7			
SMRF				eSN	Pn	11 26 21.9	-0.7			
MEZF	Matiziers J'vi	7.00	294	ePn	Pn	11 25 08.0	+0.3			
MEZF				eSG	Sg	11 26 36.2	-2.8			
MEZF				eS	Pn	11 26 23.0	-4.1			
VIVF	Saint-Julien-I	7.16	264	ePn	Pn	11 25 11.9	+1.8			
VIVF				eSN	Pn	11 26 29.5	-1.8			
SSB	Saint Sauveur	7.17	267	ePn	Pn	11 25 10.9	+3.8			
MEM	Membach	7.35	311	ePn	Pn	11 25 16.1	+3.5			
MEM				eSN	Pn	11 26 35.9	+0.1			
SMF	Signal de Mont	7.54	278	ePn	Pg	11 25 46.9	-2.9			
SMF				eSN	Pn	11 26 37.2	-3.3			
LOR	Lornes	7.55	283	ePn	Pn	11 25 16.5	+1.1			
LOR				eSN	Pn	11 26 36.8	-4.1			
SSF	Saint Saulte	7.78	281	ePn	Pg	11 25 18.8	+0.3			
SSF				ePn	Pg	11 25 50.7	-3.7			
SSF				eSN	Pn	11 26 43.0	-3.5			
AVF	Avril sur Loir	7.88	279	ePn	Pn	11 25 20.8	+1.0			

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
AVF	Avril sur Loir	7.88	279	ePn	Pn	11 25 53.2	-3.1			
AVF				eSN	Pn	11 26 45.8	-3.0			
LASF	Ste Croix	7.94	259	ePn	Pn	11 25 21.9	+1.2			
LASF				eS	Pn	11 26 48.1	-2.3			
LASF				eSG	Sg	11 27 38.4	-1.8			
NOV	Novara	8.06	178	P	Pn	11 25 24.0	+1.5			
BAIF	Baives	8.07	303	ePn	Pg	11 25 22.7	+0.2			
BAIF	Baives	8.07	303	ePn	Pg	11 25 55.8	-4.2			
BAIF				eS	Pn	11 26 49.0	-4.6			
BAIF				eSG	Sg	11 27 38.3	-6.1			
BGF	Bois d'Agland	8.22	278	ePn	Pn	11 25 25.6	+1.0			
BGF				eSN	Pn	11 26 54.2	-3.2			
HYF	Humbigny	8.38	282	ePn	Pn	11 25 27.8	+1.0			











Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like HI052, HI053, HI051, GO01, PB11, MNMC, NBLI, TSUM, LPAZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like CD2, WMO, WMQ, WMO, RES, DGZ, LZH, etc.

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

IOC 07 14:25:34.1:0.9,31:10Sx176:88W,h0km,mb4.2/7, mb1 4/4.9, mb1mx4.1/27, mb1mx4.2/9, ML4.02, MS3.9/1, MS1.9/1, ms1mx3.0/25, Error ellipse: s-maj=26.6km

NEIC 07 14:25:35.2:0.4,31:15S:176:88W,h0km,mb4.4/14, Error ellipse: s-maj=11.6km s-min=11.6km az=178.0

ISCJB 07 14:25:37.4:0.7,31:160S:0.06:177.0W:0.1,h33km, mb4.3/11, MS3.9/1, Error ellipse: s-maj=16.4km s-min=7.3km az=16.5

ISC 07 14:25:39.2:0.7,31:37S:0.07:177.2W:0.1,h35km,m57, c218/65,mb4.2/11, Mercamed Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like RAO, RAO, RAO, MXZ, URZ, URZ, URZ, etc.





Table with columns: WWP, KALWARIA PAOLA, 34.54 63 eP, P, 15 44 29.1 +0.3, KSH, comp=Z,220nm,5.2s, pmax, pmax, KSH, comp=N,60nm,5.8s, LR, LR, KSH, comp=E,120nm,12.5s, LR, LR, KSH, comp=Z,250nm,10.6s, LR, LR, KMBO, comp=Z,220nm,5.2s, 73.57 108 LR, LR, CPUP, Villa Florida, 75.34 207 LR, LR, SONAO, comp=Z,9.7nm,18.2s,baz=216,slow=35, 79.78 29 eP, P, SOMI, comp=Z,2.0nm,1.0s,baz=330,slow=5.9,SNR=13, 79.78 29 eP, P, ULN, Ulanbaatar, 79.98 29 eP, P, PETK, comp=Z,2.1nm,1.1s, 82.63 356 LR, LR, GTA, Gaotai, 84.27 38 iP, P, GTA, 84.27 38 iP, P, GTA, 84.27 38 iP, P, GTA, 84.27 38 iP, P, BOS, Boshof, 87.64 135 LR, LR, XAN, Xian, 92.67 34 pP, pP, XAN, 92.67 34 pP, pP, PLCA, comp=Z,4.0nm,1.2s, 92.97 211 LR, LR, VNSA, comp=Z,1.76nm,19.3s,baz=280,slow=34, 146.63 184 PKPbc, PKPbc, VNSA, 146.63 184 ePKPbc, ePKPbc, WR1, Warramunga Arr, 151.56 36 ePKPbc, ePKPbc, WR1, Warramunga Arr, 151.56 36 ePKPbc, ePKPbc, ASAR, Alice Springs, 154.61 41 PKPab, PKPab, IDC 07 15:37:44.7-4.3, 8.23N-82.72W, h0km, mb3.4/4, mb1 3.8/7, mb1mx3.6/38, mbtmp3.7/7, ML3.7/3, MS2.8/2, Mst1 2.8/2, mb1mx2.6/20, Error ellipse: s-maj=114.9km s-min=29.2km az=20.0, ISCJB 07 15:37:48.4-0.4, 8.25N-80.05E-82.70W-0.03, h39km, 7km, mb3.3/4, Error ellipse: s-maj=8.8km s-min=3.4km az=27.0, UCR 07 15:37:49.2-2.3, 8.28N-82.70W, h31km, 4km, MD4.3, ISC 07 15:37:48.5-0.8, 8.30N-0.06E-82.73W-0.04, h21km, 3km, n80, r151.8/8, mb3.3/4, 5C-2D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, HHRG, Al Ghardaqah, 0.67 221 Op, ISC, H, m, s, ISC, HKAT, Jabal Katrina, 0.79 355 S, P, H, m, s, ISC, RSHS, 0.86 48 P, P, H, m, s, ISC, KRABS, KRABS, 1.11 70 P, P, H, m, s, ISC, BDAS, Al Bad', 1.15 52 P, P, H, m, s, ISC, GRB, Gharib, 1.26 98 P, P, H, m, s, ISC, MWLHS, Almuwayliyah, 1.28 89 P, P, H, m, s, ISC, NDEBA, Dheba, 1.43 100 S, S, H, m, s, ISC, NDEBA, Dheba, 1.43 100 P, P, H, m, s, ISC, HAGS, Haql, 1.52 29 P, P, H, m, s, ISC, HBST, Basata, 1.59 26 P, P, H, m, s, ISC, JLOS, 1.61 51 P, P, H, m, s, ISC, WTBKS, WTBKS, 1.67 77 P, P, H, m, s, ISC, WTKS, 1.79 29 P, P, H, m, s, ISC, DESA, DESA, 1.87 96 P, P, H, m, s, ISC, EIL, Elat, 2.08 22 Pn, Pn, H, m, s, ISC, EIL, 76nm,0.3s,baz=192,slow=12,SNR=107, 2.08 22 Pn, Pn, H, m, s, ISC, EIL, 288nm,0.3s,baz=84,slow=20,SNR=99, 2.08 22 Pn, Pn, H, m, s, ISC, EIL, Elat, 2.08 22 Pn, Pn, H, m, s, ISC, AQB, Agaba, 2.17 23 P, P, H, m, s, ISC, MBRI, Mt Berech, 2.19 20 Pn, Pn, H, m, s, ISC, WHS, Tabuk, 2.24 77 P, P, H, m, s, ISC, KRMI, Paran Flat, 2.45 13 Pn, Pn, H, m, s, ISC, HRFI, Mount Harif, 2.45 20 Pn, Pn, H, m, s, ISC, BIDS, Bir al Bayda', 2.71 108 P, P, H, m, s, ISC, PRNI, Paran, 2.74 17 Pn, Pn, H, m, s, ISC, HJWS, Al Wajh, 2.79 124 P, P, H, m, s, ISC, ZMZN, Zanzen, 2.89 29 P, P, H, m, s, ISC, ZFRI, Zifri, 2.98 19 Pn, Pn, H, m, s, ISC, KZIT, Kziot, 3.18 5 Pn, Pn, H, m, s, ISC, JDRJ, Dararweish, 3.30 25 P, P, H, m, s, ISC, OLQAS, Al Qailan, 3.47 87 P, P, H, m, s, ISC, OLQAS, Al Qailan, 3.50 114 P, P, H, m, s, ISC, LISJ, El Lisjan, 3.71 19 P, P, H, m, s, ISC, YTIR, Yathir, 3.73 14 Pn, Pn, H, m, s, ISC, GHAJ, Ghor Haditha, 3.79 20 P, P, H, m, s, ISC, GHAJ, Ghor Haditha, 3.79 20 Pn, Pn, H, m, s, ISC, AMAZ, Amatzia, 3.85 20 P, P, H, m, s, ISC, KN97, Kn97, 3.97 125 P, P, H, m, s, ISC, DSI, Dead Sea, 4.00 16 Pn, Pn, H, m, s, ISC, LN07, LN07, 4.07 129 P, P, H, m, s, ISC, LN11, LN11, 4.10 125 P, P, H, m, s, ISC, WALJ, Wala, 4.11 21 P, P, H, m, s, ISC, LN12, LN12, 4.12 126 P, P, H, m, s, ISC, LN06, LN06, 4.17 126 P, P, H, m, s, ISC, LN10, LN10, 4.19 125 P, P, H, m, s, ISC, LN05, LN05, 4.21 129 P, P, H, m, s, ISC, LN02, LN02, 4.27 126 P, P, H, m, s, ISC, LN08, LN08, 4.33 128 P, P, H, m, s, ISC, JOWS, Jowf, 4.33 66 P, P, H, m, s, ISC, SLTI, Saliti, 4.58 10 Pn, Pn, H, m, s, ISC, HMDT, Nahal Hemdat, 4.68 15 Pn, Pn, H, m, s, ISC, HSUJ, Al Zarqa, 4.74 22 P, P, H, m, s, ISC, OFRI, Ofer, 4.94 9 P, P, H, m, s, ISC, ASF, Jabal al Asfar, 5.06 28 Pn, Pn, H, m, s, ISC, ASF, 6.8nm,0.3s,baz=343,slow=23,SNR=64, 5.06 28 Pn, Pn, H, m, s, ISC, ASF, Jabal al Asfar, 5.06 28 P, P, H, m, s, ISC, KBR07, Khaybar, 5.24 111 P, P, H, m, s, ISC, KBR07, Khaybar, 5.28 107 P, P, H, m, s, ISC, YOB5, 5.38 128 P, P, H, m, s, ISC, MMA07, Mount Meron ar, 5.39 12 Pn, Pn, H, m, s, ISC, MMA1, Mount Meron Ar, 5.39 12 Pn, Pn, H, m, s, ISC, MMA1, 8.9nm,0.3s,baz=203,slow=13,SNR=24, 5.39 12 Pn, Pn, H, m, s, ISC, KBR07, Khaybar, 5.42 116 P, P, H, m, s, ISC, KBR03, Khaybar, 5.59 109 P, P, H, m, s, ISC, KBR03, Khaybar, 5.59 113 P, P, H, m, s, ISC, KBR03, Khaybar, 5.81 106 P, P, H, m, s, ISC, KBR05, Khaybar, 5.98 110 P, P, H, m, s, ISC, KBR02, Khaybar, 6.07 113 P, P, H, m, s, ISC, DQRL, Deir Qamar, 6.10 12 eP, P, H, m, s, ISC, BHL, Bhamnes, 6.30 12 eP, P, H, m, s, ISC, PCT5, Mathiasia, 7.24 35 eP, P, H, m, s, ISC, IDI, Anotia, 10.86 316 P, P, H, m, s, ISC, IDI, 0.9nm,0.3s,baz=279,slow=13,SNR=4.0, 10.86 316 P, P, H, m, s, ISC, BR11, Keskin Array B, 11.97 358 ePn, Pn, H, m, s, ISC, BR11, Keskin Array A, 11.97 358 P, P, H, m, s, ISC, BR231, Keskin MP Arra, 12.13 355 ePn, Pn, H, m, s, ISC, ANTO, Ankara, 12.15 355 ePn, Pn, H, m, s, ISC, ANTO, Ankara, 12.15 355 ePn, Pn, H, m, s, ISC, ITM, Ithomi, 13.91 316 ePn, Pn, H, m, s, ISC, AGG, Agios Georgios, 14.92 322 ePn, Pn, H, m, s, ISC, GNI, Garni, 15.21 33 Pn, Pn, H, m, s, ISC, GNI, 0.5nm,0.3s,baz=55,slow=7.4,SNR=3.6, 15.21 33 Pn, Pn, H, m, s, ISC, NEY, Neytrino, 17.00 22 eP, P, H, m, s, ISC, ZEI, Tsey, 17.02 25 eP, P, H, m, s, ISC, SIM, Simferopol', 17.19 0c iP, S, H, m, s, ISC, SIM, 17.19 0c iP, S, H, m, s, ISC, ANN, Anapa, 17.25 8 eP, P, H, m, s, ISC, ANN, 17.25 8 eP, P, H, m, s, ISC, TIRR, Tigrusor, 17.30 346 ePn, Pn, H, m, s, ISC, TIRR, Tigrusor, 17.30 346 eP, P, H, m, s, ISC, KBZ, Khabaz, 17.48 22 P, P, H, m, s, ISC, KIV, Kislovodsk, 17.62 21 P, P, H, m, s, ISC, KIV, 17.62 21 P, P, H, m, s, ISC, ATD, Arta Tunnel, 18.00 151 ePn, P, H, m, s, ISC, MAK, Makhachkala, 18.70 32 eP, S, H, m, s, ISC, MAK, 18.70 32 eP, S, H, m, s, ISC

Table with columns: s-maj=171.2km s-min=21.0km az=66.0, Northern, Molucca Sea, Code, Station Name, Az, Az', Phase ID, Time, Res, WARRAMUNGA ARR, 22.94 160 Op, P, H, m, s, ISC, ASAR, Alice Springs, 26.29 164 P, P, H, m, s, ISC, MKAR, Makanchi Array, 58.88 326 P, P, H, m, s, ISC, KURBS, Kurchatov Arra, 63.13 328 P, P, H, m, s, ISC, IDC 07 15:57:59.6-0.8, 27.72N-34.02E, h0km, mb3.9/19, mb1 4.0/26, mb1mx3.8/63, mbtmp3.9/26, ML3.5/6, MS3.7/4, Mst1 3.7/4, mb1mx2.9/49, Error ellipse: s-maj=20.0km s-min=11.2km az=132.0, MOS 07 15:58:00.1-1.1, 27.84N-33.94E, h10km, mb4.5/16, Error ellipse: s-maj=11.2km s-min=5.0km az=79.7, ISCJB 07 15:58:00.4-0.3, 27.69N-34.02E-34.03E, h17km, mb4.1/40, MS3.5/4, Error ellipse: s-maj=4.3km s-min=2.7km az=142.2, NEIC 07 15:58:01.6-0.3, 27.83N-33.95E, h10km, mb4.4/15, ML4.6(HLW), Error ellipse: s-maj=5.7km s-min=5.0km az=133.0, GII 07 15:58:01.8-0.0, 27.80N-34.36E, h1km, mb4.6/3, MD4.6/3, SGS 07 15:58:04.27.79N-34.23E, h21km, MI3.6, JSO 07 15:58:30.4-0.5, 29.15N-5.35E, h10km, M4.1/9, Mjma4.2/9, ML3.8/3, MLV4.2/9, ISC 07 15:58:02.1-0.5, 27.73N-34.07E-34.07E, h17km, n176, 17.17/174, mb4.2/40, MS3.5/4, 16C-9D, Red Sea



7d 17h

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like Boulder Array, Pinedale Array, PDAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like HDC, AZU, AZU, TRT1, etc.

ISCJB 07 17:09:57.2,0.8,44.37N,0.07,141.5E,0.2,h250km, mb2.8/3, Error ellipse: s-maj=20.2km s-min=9.7km az=172.3

JMA 07 17:09:57.7,0.5,44.52N,141.51E,h244km,4km,M3.1 IDC 07 17:09:59.0,1.4,43.95N,142.49E,h241km,7km,mb2.6/3, s-maj=165.0km s-min=20.3km az=115.0

ISC 07 17:09:59.4,1.1,44.24N,142.00E,141.5E,0.1,h250km,n16, s=1895/18,mb2.9/3,Holmdo region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like JHR, JRR, ASAJ, ASAJ, etc.

IDC 07 17:23:21.4,2.2,1.93N,126.55E,h0km,mb3.3/3, mb1 3.5/3, mb1mx3.2/35, mbmt3.3/3, Error ellipse: s-maj=189.7km s-min=25.6km az=66.0, Northern Molucca Sea

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

IDC 07 17:24:55.8,1.4,38.35N,142.39E,h0km,mb3.7/4, mb1 3.7/6, mb1mx3.4/38, mbmt3.6/6, ML2.9/2, Error ellipse: s-maj=36.4km s-min=19.9km az=84.0

ISCJB 07 17:24:59.3,1.1,38.38N,142.12E,0.07,h28km,5km, mb3.6/4, Error ellipse: s-maj=5km s-min=5.6km az=21.9 JMA 07 17:25:00.9,1.1,38.41N,142.07E,h32km,1km,M3.8 JMA Feil J1

ISC 07 17:25:00.9,1.7,38.40N,142.04E,0.08,h28km,10km, n24,c18/40,mb3.6/4,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like JKH, JKH, JIO, JIO, etc.

TRN 07 17:28:06.2,14.03N,60.56W,h20km,MD3.5, Windward Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like SLW, SLW, SLPA, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like CXM, PCM, SVB, etc.

IDC 07 17:42:59.7,5.2,4.01S,151.92E,h132km,46km,mb3.4/4, mb1 3.7/5, mb1mx3.3/44, mbmt3.9/5, MS3.3/5, Ms1 3.3/5, ms1mx3.1/19, Error ellipse: s-maj=73.3km s-min=27.9km az=119.0, New Britain region

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

MOS 07 17:43:50.8,1.2,21.30N,143.99E,h88km,mb4.6/20, Error ellipse: s-maj=14.1km s-min=6.4km az=110.2 BJI 07 17:43:51.3,2.1,28N,144.04E,h96km,mb4.6/31,mb5.1/17 IDC 07 17:43:51.9,5.0,21.27N,144.09E,h88km,46km,mb4.0/24, mb1 4.2/24, mb1mx4.0/50, mbmt4.3/24, MS3.7/7, Ms1 3.8/7, ms1mx3.2/40, Error ellipse: s-maj=19.3km s-min=11.0km az=90.0

ISCJB 07 17:43:52.0,0.3,21.27N,144.04E,0.06,h100km, mb4.5/69, Error ellipse: s-maj=7.6km s-min=5.7km az=170.9

NEIC 07 17:43:53.1,1.0,21.26N,144.05E,h99km,mb4.7/21, Error ellipse: s-maj=8.0km s-min=5.0km az=78.0

ISC 07 17:43:53.0,5.0,21.28N,144.09E,0.10,h100km, n139,c19/12/28,mb4.5/68,9C-11D,Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like SARN, SARN, MJAR, MAJO, MAJO, etc.

TRN 07 17:00:58.4,14.03N,60.59W,h24km,MD3.8,1C, Windward Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like SLW, SLW, SLPA, etc.

UCR 07 17:01:09.1,2.5,8.34N,82.69W,h27km,5km,MD3.5, 1C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like DVD, DVD, BRU2, etc.

Table with columns: YAK, comp, pmax, pmax, 17 51 35.8 +1.2, 17 51 36.5 +1.0, etc. Includes stations like SEY, WRAB, WB2, WR1, WRA, CMAR, FITZ, ZAK, TLY, ASO1, AS31, ASAR, KNKR, BILL, BILL, BILL, TIXI, TIXI, WMQ, WMQ, WMQ, WMQ, RAMN, DGZ, DGZ, JIRN, GUN, PNI, PKIN, DMN, DANN, KOLN, ZAAO, ZALV, ZALV, ZAA1, PYUN, MK31, MK31, MK32, MKAR, MKAR, MAKZ, MAKZ, KDAK, KURK, KURK, NRIK, BPAW, KSH, KSH, KSH, AAK, AAK, COLA, COLA, TOLK, IL1, ILAR, ILAR, ILAR, ILB, RIDG, BVAO, BVAO, BRVK, BRVK, EPYK, INK, INK, INK, ARU, ARU, ARU, AB31, AB31, PPT, PPT, YKBS, YKBS, ARCS, ARCS, VRH, VRH, LPSR, LPSR, OBN, OBN.

Table with columns: comp, MLR, MLR, 17 56 05.0 -0.3, 17 56 07.2 +0.3, etc. Includes stations like OBN, VSR, VSR, NV01, NVAR, NVAR, NCK, NCK, ZEI, ZEI, PUL, KBZ, KIV, KIV, GNI, GNI, NEY, NEY, FIAO, FIAO, FIAO, FFF, DUG, DUG, DUG, RLMT, PDAR, PDAR, PDAR, AKASA, AKASA, NOA, ANMO, ANMO, VYHS, VYHS, CLL, CLL, LTX, LTX, TXAR, TXAR, PLCA, PLCA, PLCA, LPAZ, LPAZ, ISCJB 07 17:48:25.4, 2.8, 23'S, s=179.8E, 0.5, h500km, mb3.6/7, etc.

Table with columns: baz=295, S, Sb, 17 50 16.3 -0.1, 17 50 08.6 -0.3, etc. Includes stations like TWT, TDCB, TDCB, VWDV, VWDV, VWDV, HGSD, HGSD, HGSD, EHY, EHY, NDT, NDT, NDT, ENT, ENT, ENT, TWE, TWE, TWE, YULB, YULB, YULB, SSSL, SSSL, SSSL, YHNB, YHNB, YHNB, WHP, WHP, WHP, SMLT, SMLT, SMLT, TWF1, TWF1, TWF1, TYC, TYC, TYC, NWLT, NWLT, NWLT, WHYT, WHYT, WHYT, NTC, NTC, NTC, NSTT, NSTT, NSTT, WJS, WJS, WJS, WLTB, WLTB, WLTB, WNT, WNT, WNT, TCU, TCU, TCU, NSY, NSY, NSY, CHKT, CHKT, CHKT, ALS, ALS, ALS, NHHH, NHHH, NHHH, NHDH, NHDH, NHDH, TIPB, TIPB, TIPB, TATO, TATO, TATO, NMLH, NMLH, NMLH, CHNS, CHNS, CHNS, CHNS, CHNS, CHNS, ELDTW, ELDTW, ELDTW, WCHH, WCHH, WCHH, WCHH, WCHH, NWF, NWF, NWF, NCU, NCU, NCU, WGK, WGK, WGK, WDLH, WDLH, WDLH, TWS1, TWS1, TWS1, STYT, STYT, STYT, TPUB, TPUB, TPUB, RLNB, RLNB, RLNB, WTP, WTP, WTP, TWGB, TWGB, TWGB, TWG, TWG, TWG, TWK, TWK, TWK, SGST, SGST, SGST, IRIF, IRIF, IRIF, HATJ, HATJ, HATJ, JKRS, JKRS, JKRS, JIU, JIU, JIU, JISG, JISG, JISG, IDC 07 18:07:29.1, 2.6, 21.15N, 144.18E, h0km, mb3.3/3, etc.

7d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ASAR, YKA, BUJ, IDC, ISCJB, NEIC, ISC, etc.

Main station list table for the 7d 19h period, including stations like H08N2, H08N3, H08N4, M05E, PALK, OPO, WSAR, ATD, KMB0, KOLN, PYUN, DMN, DANN, PKIN, PKI, RAMN, KKN, ODAN, JURN, PHUN, GNET, UMPA, UTHA, MDSI, CM31, CMAR, CMAR, SUKH, CHTO, CHTO, CMMT, PBKT, UTTA, CHAI, KHON, LEM, NONG, SKNT, GEYT, PANO, LSZ, LSZ, BTK, KSH, KSH, KSH, KSH, MATP, AAK, CD2, BOSA, WMO, WMO, MK31, MK32, MK3R, GTA, GTA, LZH, LZH, LZH, KBZ, XAN, XAN, XAN, ZAAO, ZALV, ZAA1, HHC, HHC.

2013 APR

Main station list table for the 2013 APR period, including stations like HHC, NJ2, SONA, AKASG, KLMR, WR1, WRA, WB2, ASAR, ASO1, TORO, KRSR, SYO, CLL, DBIC, KLR, STKA, ESCD, PMG, TIXI, MA2, VANDA, VANDA, SEY, HNR, YKA, YKA, PDAR, NVAR, TXAR, SJA, RTLS, AUSP, AUSP, ACCO, ASAL, ARCO, AMOG, ISCJB, UCR, IDC, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

414

Main station list table for the 414 period, including stations like NVAR, YKA, ILAR, ESCD, IDC, NEIC, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.





PAULJ		eSg	Sg	19 21 46.1	-0.7	
Z53A	Monticello	1.10 238	P	Pb	19 21 32.1	-1.3
W54A	baz=58		S	Sb	19 21 46.9	-0.3
BG3	Lake Jocassee	1.18 341	ePg	Pg	19 21 34.0	-0.8
BG3			eSg	Sb	19 21 49.7	-0.9
W54A	Cherokee Point	1.23 11	P	Pb	19 21 35.0	-0.9
W54A	baz=190		S	Sb	19 21 51.0	-1.0
155A	Kite	1.25 180	P	Pb	19 21 35.2	-0.8
155A	baz=0.3,SNR=239		S	Sb	19 21 52.0	-0.3
Y52A	Libburn	1.33 270	ePn	Pn	19 21 36.8	-0.5
Y52A			eSn	Sg	19 21 55.4	+0.7
Y52A	Libburn	1.33 270	P	Pb	19 21 36.6	-0.6
X56A	White Oak	1.34 62	P	Pn	19 21 36.9	-0.4
154A	Montrose	1.37 203	ePn	Pn	19 21 37.5	-0.2
154A			eSn	Sg	19 21 57.2	+1.4
154A	Montrose	1.37 203	P	Pb	19 21 37.4	-0.3
154A			S	Sg	19 21 55.9	+0.1
X52A	Dalhousie	1.39 302	P	Pn	19 21 37.8	-0.2
X52A	baz=122,SNR=40		S	Sb	19 21 56.7	+0.2
W53A	Cullowhee	1.42 336	P	Pn	19 21 38.3	-0.2
KM5C	Kings Mountain	1.57 36	ePn	Pn	19 21 40.9	+0.4
KM5C			eSn	Sb	19 22 01.8	+0.1
KM5C	Kings Mountain	1.57 36	P	Pb	19 21 40.9	+0.4
Z57A	Bowman	1.57 111	P	Pb	19 21 41.0	-0.5
153A	Fort Valley	1.67 224	P	Pb	19 21 42.7	-0.5
W52A	Murphy	1.72 316	ePn	Pb	19 21 43.6	-0.4
W52A			eSn	Sb	19 21 43.6	-0.4
Y57A	Sumter	1.73 85	P	Pb	19 21 43.8	-0.3
Z52A	Williams	1.77 248	P	Pb	19 21 44.4	-0.4
V53A	Saluda	1.82 351	ePn	Pb	19 21 45.1	-0.6
V53A			eSn	Pb	19 21 45.1	-0.6
255A	Hazlehurst	1.94 180	ePn	Pb	19 21 46.7	-1.1
255A			eSn	Pb	19 21 46.5	+0.9
256A	Glennville	1.95 166	Pb	Pb	19 21 48.0	+0.2
W56A	Indian Trail	2.00 50	P	Pn	19 21 47.0	+0.7
254A	Abbeville	2.04 200	P	Pn	19 21 47.3	+0.4
X57A	Johnson Farm	2.05 73	Pb	Pb	19 21 49.3	-0.3
NH5C	New Hope	2.06 111	ePn	Pn	19 21 47.6	+0.5
TKL	Tuckaleechee C	2.08 329	ePn	Pb	19 21 49.1	-1.1
X51A	Calhoun	2.10 290	ePn	Pb	19 21 48.3	-1.2
X51A			eSn	Pb	19 21 49.3	-1.2
RGRS	Roger Stewart	2.13 116	ePn	Pn	19 21 48.1	0.0
Y51A	Rockmart	2.17 271	P	Pb	19 21 49.9	+1.2
V52A	Sevierville	2.17 335	P	Pb	19 21 50.5	-1.3
V52A			P	Pn	19 21 50.2	+0.7
152A	Waverly Hall	2.24 238	Pb	Pb	19 21 52.6	-0.3
Z58A	St. Stephen	2.27 103	Pb	Pb	19 21 53.5	+0.1
253A	Americus	2.29 213	ePn	Pn	19 21 50.3	0.0
253A			eSn	Pn	19 21 51.3	+1.0
W51A	Cleveland	2.29 305	P	Pb	19 21 51.8	+1.3
CPCT	Cooper Cave	2.32 313	ePn	Pn	19 21 52.3	+1.6
W57A	Gilead	2.41 57	P	Pn	19 21 52.4	+0.5
V51A	Loudon	2.48 322	ePn	Pn	19 21 54.7	+1.7
V51A	Mocksville	2.52 339	P	Pb	19 21 54.6	+1.0
TIGA	Tifton	2.61 202	ePn	Pn	19 21 55.4	+0.7
TIGA			eSn	Sn	19 22 26.8	0.0
TIGA	Tifton	2.61 202	P	Pb	19 21 55.4	+0.7
X58A	Rowland	2.68 74	P	Pn	19 21 56.4	+0.7
U54A	Nelsons Funny	2.69 11	P	Pn	19 21 57.3	+1.3
W50A	Signal Mountain	2.70 300	ePn	Pn	19 21 57.9	+1.8
W50A			eSn	Pn	19 21 57.6	+1.5
X50B	Fort Payne	2.71 283	P	Pn	19 21 57.3	+1.2
151A	Opelika	2.75 242	P	Pn	19 21 58.2	+1.4
U51A	La Follette	2.81 333	P	Pn	19 21 59.0	+1.5
Z7N	Tazewell	2.81 342	ePn	Pn	19 21 59.7	+2.2
Z7N			eSn	Pn	19 21 59.0	+1.4
W58A	RaeFord	2.90 66	P	Pn	19 21 59.3	+0.5
353A	Carnelia	2.92 211	P	Pn	19 21 59.7	+0.6
Z50A	Ashland	2.96 259	ePn	Pn	19 22 01.1	+1.5
Z50A			eSn	Pn	19 22 01.1	+1.5
V57A	Coltrane Farms	2.99 47	P	Pn	19 22 00.9	+1.0
251A	Midway	3.05 235	P	Pn	19 22 02.2	+1.5
TS3A	Wise	3.10 359	P	Pn	19 22 02.9	+1.3
SWET	Sewanee	3.16 296	ePn	Pn	19 22 03.6	+1.2
352A	Blakely	3.17 222	ePn	Pn	19 22 03.4	+1.0
352A			eSn	Pn	19 22 03.2	+0.8
U50A	Jamestown	3.20 323	P	Pn	19 22 03.8	+0.9
TS2A	Hallie	3.26 353	P	Pn	19 22 05.1	+1.4
TS4A	Tazewell	3.26 13	P	Pn	19 22 04.8	+1.0
X49A	Woodville	3.27 282	P	Pn	19 22 04.8	+1.0
Y49A	Blount Mountain	3.29 271	ePn	Pn	19 22 05.9	+1.8
Y49A			eSn	Pn	19 22 05.4	+1.3
454A	Quitman	3.30 198	P	Pn	19 22 04.8	+0.5
W49A	Belvidere	3.38 293	P	Pn	19 22 06.5	+1.1
250A	Grady	3.72 240	ePn	Pn	19 22 11.6	+1.6
250A			eSn	Pn	19 22 10.9	+1.0
555A	McAlpin	3.76 187	ePn	Pn	19 22 10.7	0.0
555A			eSn	Pn	19 22 11.1	+0.4
452A	Marianna	3.79 218	P	Pn	19 22 11.8	+0.8
552A	Sarysville	3.83 353	P	Pn	19 22 12.8	+1.2
X48A	Hartselle	3.84 280	ePn	Pn	19 22 12.6	+0.8
149A	Jones	3.84 252	P	Pn	19 22 13.3	+1.6
551A	Beattville	3.87 347	ePn	Pn	19 22 14.0	+1.9
LRLAL	Lakeview Retre	3.88 259	ePn	Pn	19 22 13.7	+1.4
LRLAL			eSn	Pn	19 22 13.5	+1.2
X47A	Russellville	4.52 280	P	Pn	19 22 21.2	+0.2
PLAL	Pickwick Lake	4.77 285	ePn	Pn	19 22 24.6	+0.1

Duration: 0 Moment tensor: Scale 10<sup>16</sup>Nm; M<sub>rr</sub>-1.70e-16; M<sub>tt</sub>0.76e-09; M<sub>ss</sub>0.93e-10; M<sub>ee</sub>0.47e-24; M<sub>ee</sub>0.56e-05; M<sub>rr</sub>1.17e-27; Best double couple; Mo1.92200x1016

NP1: 1.91, 0.0000e+00, 0.62, 0.0000e+00, -1.13, 0.0000e+00; NP2: 0.53, 0.0000e+00, 0.36, 0.0000e+00, -1.54, 0.0000e+00; Principal axes: T 1.5640, Plg14.0000e+00, Azm298.0000e+00; N 0.7150, Plg20.0000e+00, Azm203.0000e+00; P -2.2800, Plg65.0000e+00, Azm60.0000e+00; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISCJB 07 19:29:06.3, 0.3, 85.28N, 0.04, 13.1E, 0.4, h10km, mb4.2/4, MS3 7.32, Error ellipse: s-maj=5.3km s-min=5.2km az=31.1

IDC 07 19:29:06.2, 0.5, 85.38N, 13.66E, h0km, mb4.2/28, mb1 4.3/32, mb1mx4.2/55, mbtmp4.2/32, ML4, 2/4, MS3.8/31, Ms1 3.8/31, ms1mx3.7/42, Error ellipse: s-maj=14.4km s-min=9.6km az=57.0

MOS 07 19:29:06.3, 1.2, 85.25N, 12.31E, h10km, mb4.6/23, Error ellipse: s-maj=85.5km s-min=5.4km az=90.7

NEIC 07 19:29:07.9, 0.3, 85.27N, 12.78E, h10km, mb4.6/7, Error ellipse: s-maj=7.9km s-min=6.6km az=62.0

IEPN 07 19:29:10.0, 85.14N, 12.56E, h20km, station ZF12 has station magnitude of 3.40 station LSH has station magnitude of 4.30

ISC 07 19:28:07.4, 0.4, 85.32N, 0.05, 12.48E, 0.05, h10km, n150, c2544/155, mb4.3/54, MS3.8/33, 15C-9D, North of Svalbard

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC h m s	Time Res
ZF12	Zemlya Franca-	6.04	118	P	Pn	19 30 34.7	-1.8
ZF12				eS	Sb	19 31 37.1	-8.4
ZF12				eTK		19 35 28.9	
KBS	Kingsbay	6.43	181	ePn	Pn	19 30 40.2	-1.8
KBS				Pn	Pn	19 30 40.7	-1.3
KBS				Pn	Pn	19 30 41.0	-1.0
KBS				pmax	pmax		
KBS	Kingsbay	6.43	181	iP	Pn	19 30 40.6	-1.4
KBS				eS	Sn	19 31 48.6	-6.7
SP40	Spitsbergen Ar	7.20	174	ePn	Pn	19 32 01.2	-1.1
SP40				eSn	Pn	19 32 08.9	-5.4
SP40				Pn	Pn	19 30 50.6	-2.0
SP40				Sn	Sn	19 32 08.7	-5.6
SP40				Sn	Sn	19 30 50.8	-1.8
SPITS	Spitsbergen Ar	7.20	174	Pn	Pn	19 32 07.9	-6.3
SPITS				Sn	Sn	19 32 07.9	-6.3
SPITS				LR	LR	19 33 20.7	
SPITS				comp-Z,1μm,19.7s,baz=15,slow=35			
BRBB	Barentsburg B	7.27	177	Pn	Pn	19 30 52.7	-0.8
BRBA	Barentsburg A	7.31	177	Pn	Pn	19 30 53.8	-0.1
HSP	Hornsund	8.37	175	Pn	Pn	19 31 07.9	-0.5
HOPEN	Hopen	9.03	161	Pn	Pn	19 31 15.9	-1.7
DAG	Danmarks Havn	9.59	226	iP	Pn	19 31 26.2	+1.0
DAG				Pn	Pn	19 31 26.2	+1.0
DAG				pmax	pmax		
DAG				comp-Z,52mm,1.2s			
TULEG	Thule	13.64	281	ePn	Pn	19 32 17.1	-3.4
JMIC	Jan Mayen	14.82	207	Pn	Pn	19 32 37.4	+0.7
SUMG	Summit	15.00	245	iP	Pn	19 32 37.8	-1.6
SUMG				comp-Z,3.6mm,0.3s,baz=359,slow=7.0,SNR=5.1			
SUMG				comp-Z,52mm,1.0s			
SUMG	Summit	15.00	245	eP	Pn	19 32 37.0	-2.4
SUMG				pmax	pmax		
SUMG				comp-Z,120mm,1.0s			
SCO	Scoresbysund	15.96	224	iP	Pn	19 32 52.9	+1.3
SCO				comp-Z,6.2mm,1.0s			
SCO	Scoresbysund	15.96	224	eP	Pn	19 32 52.9	+1.3
SCO				pmax	pmax		
ARAO	ARCESS Array S	16.03	163	ePn	Pn	19 32 49.9	-2.6
ARAO				eSn	Pn	19 35 37.0	-1.3
ARAO				Pn	Pn	19 32 50.4	-2.1
ARCES	ARCESS Array B	16.03	163	Pn	Pn	19 32 49.9	-2.6
ARCES				comp-Z,0.4mm,0.3s,baz=67,slow=11,SNR=9.9			
ARCES				Sn	Sn	19 35 37.0	-1.3
RES	Resolute Bay	17.40	302	ePn	Pn	19 33 05.1	-4.6
RES				Sn	Sn	19 36 12.4	-1.0
RES				comp-Z,0.1mm,0.3s,baz=311,slow=20,SNR=2.8			
RES				LR	LR	19 39 59.6	
RES				comp-Z,7.14mm,18.5s,baz=354,slow=38			
RES	Resolute Bay	17.40	302	ePn	Pn	19 33 06.1	-3.6
RES				comp-Z,30mm,1.1s			
RES	Resolute Bay	17.40	302	eP	pmax	19 33 06.1	-3.6
AMDE	Amderma	17.63	120	eP	Pn	19 33 11.5	-1.1
AMDE				comp-Z,3.6mm,1.2s			
APAO	Apaitiy Array	18.19	155	P	Pn	19 36 14.7	-1.4
APAO				eS	Sn	19 33 15.7	-3.8
NR1K	Noril'sk	20.07	92	P	Pn	19 33 40.8	+0.4
NR1K				comp-Z,0.9mm,0.3s,baz=358,slow=9.0,SNR=15			
TIXI	Tiksi	20.98	52	P	Pn	19 33 52.0	-0.7
TIXI				comp-Z,0.9mm,0.4s,baz=38,slow=6.0,SNR=9.3			
TIXI				LR	LR	19 40 41.9	
TIXI				comp-Z,130mm,21.2s,baz=349,slow=33			
TIXI				Pn	Pn	19 33 54.3	+1.6
TIXI				pmax	pmax		
SFJD	Sarajevko	21.40	254	P	Pn	19 33 57.1	+2.4
SFJD				comp-Z,7.8mm,0.8s,baz=338,slow=5.4,SNR=3.8			
SFJD				LR	LR	19 42 06.3	
LSH	Leshukonskoje	21.47	140	eP	Pn	19 33 54.4	-1.1
LSH				comp-Z,15mm,1.7s			
BORG	Borgarnes	21.63	220	LR	LR	19 42 33.7	
BORG				comp-Z,33mm,19.2s,baz=81,slow=37			
TMCR	Tamitsa	21.82	149	eP	Pn	19 34 00.3	+1.1
TMCR				eS	Sn	19 38 02.3	+2.3
TMCR				pmax	pmax		
AKN	Aknes	23.29	187	P	Pn	19 34 17.5	+2.7
FIA1							

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOOM Boomskeye usch, ESDC Sonseca Array, BR101 Keskin Array S, etc.

IDC 07 19:51:14.8:2.0, 1.05N, 126.63E, h0km, mb3.0/3, mb1 3.3/3, mb1mx3.1/3, mbtmp3.1/3, Error ellipse: s-maj=173.7km s-min=25.3km az=66.0, Northern Molucca Sea

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

MEX 07 20:20:20.0:7.1, 0618N, 98.48W, h3km, 6km, MD3.7, Near coast of Guerrero

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

KRSC 07 20:29:30.7:10.0, 49.38N, 158.70E, h46km, 10km, ML3.6, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PAU Pauzhetka, KDRH Khodutka, ASAK Asacha, etc.

IDC 07 20:30:41.7:0.9, 12.28S, 166.81E, h184km, 7km, mb4.0/25, mb1 4.1/26, mb1mx3.9/55, mbtmp4.5/26, MS3.3/3, Ms1 3.2/3, ms1mx2.8/31, Error ellipse: s-maj=12.7km s-min=10.2km az=110.0

ISCJB 07 20:30:42.1:0.4, 12.25S, 167.07E, h177E, 0.9, h200km, mb4.2/29, Error ellipse: s-maj=11.8km s-min=9.7km az=3.6

NEIC 07 20:30:46.0:1.8, 12.32S, 166.76E, h225km, 17km, mb4.0/2, Error ellipse: s-maj=10.8km s-min=8.8km az=10.0

ISC 07 20:30:43.1:0.5, 12.33S, 167.07E, h166.8E, 0.1, h200km, n37, 0.148/44, mb4.1/29, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM 0.4nm, 0.3s, bazz=287, slow=20, SNR=2.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, JAY Jayapura, STKA Satao Creek, etc.

SJA 07 20:30:13.0:0.4, 37.19S, 71.31W, h218km, 47km, ML3.8, MV4.7

IDC 07 20:33:15.8:2.9, 36.96S, 71.27W, h132km, 20km, mb3.6/4, mb1 3.5/7, mb1mx3.3/38, mbtmp3.9/7, Error ellipse: s-maj=63.7km s-min=17.4km az=103.0

ISCJB 07 20:33:16.5:0.4, 37.08S, 71.07W, 0.1, h148km, mb3.8/4, Error ellipse: s-maj=12.0km s-min=4.0km az=16.3

GUC 07 20:33:16.9:0.7, 37.10S, 71.09W, h156km, 12km, ML4.1

ISC 07 20:33:17.5:0.8, 37.07S, 71.05W, 0.0, h148km, n23, 0.152/31, mb3.8/4, 1C-1D, Southern Chile-Antarctica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CCHI Chillan, TMU Temuco, GO06 Curarrehue, etc.

s-min=4.7km az=146.6

ARE 07 20:40:48.0:0.0, 13.67S, 76.50W, h46km, IDC 07 20:40:50.9:0.8, 13.46S, 76.16W, h44km, 6km, mb3.8/9, mb1 4.0/13, mb1mx3.8/44, mbtmp4.1/13, ML3.9/4, MS3.4/7, Ms1 3.4/7, ms1mx3.2/27, Error ellipse: s-maj=29.2km s-min=8.9km az=60.0

NEIC 07 20:40:50.6:0.8, 13.55S, 76.28W, h46km, 8km, mb4.7/1, ML4.7(ARE), Error ellipse: s-maj=15.6km s-min=6.6km az=59.0

NEIC Feli [III] at Chinchta Alta. Also felt at Imperial, ISC 07 20:40:48.4:0.7, 13.76S, 0.008, h33km, n39, 0.66/37, mb4.0/8, MS3.6/4, Near coast of Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NNA Nana, NNA 171nm, 0.3s, bazz=160, slow=12, SNR=175, etc.

MAN 07 20:43:23.5:6.30N, 125.76E, h34km, mb3.9, ML2.7, MS2.2, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GSPH General Santos, SKMP Bagumbayan, Su.

IDC 07 20:48:17.6:1.8, 23.83S, 179.86E, h510km, 15km, mb3.5/11, mb1 3.6/12, mb1mx3.3/33, mbtmp4.4/12, Error ellipse: s-maj=20.0km s-min=18.2km az=43.0

ISCJB 07 20:48:28.1:0.9, 23.91S, 0.09, 179.7E, 0.2, h526km, mb4.1/12, Error ellipse: s-maj=19.3km s-min=11.1km az=168.8

ISC 07 20:48:28.9:0.8, 24.0S, 0.1x179.8E, 0.1, h526km, n16, 0.120/21, mb4.1/12, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, URZ 0.8nm, 0.3s, bazz=37, slow=20, SNR=3.0, etc.

7d 21h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FINES, AKASG, AKASO, BRTR.

ISCJB 07 21:02:06.2,0.4, 15.475S,0.06:173.42W,0.07,h10km, mb4.3/24,MS4.0/23, Error ellipse: s-maj=9.9km s-min=8.3km az=42.0

IDC 07 21:02:06.1,0.9, 15.485S,173.32W,h0km,mb4.0/10, mb1 4.3/11,mb1mx4.0/49,mbtmp4.1/11,ML3.3/1,MS4.0/24, Ms1 3.9/24,ms1mx3.9/41, Error ellipse: s-maj=40.2km s-min=18.7km az=149.0

NEIC 07 21:02:08.1,1.8, 15.255S,173.55W,h6km,4km,mb4.6/18, Error ellipse: s-maj=21.7km s-min=17.7km az=100.0

ISC 07 21:02:08.3,0.5, 15.325S,0.09:173.33W,0.1, h10km,n71, r143/50,mb4.5/24,MS4.0/23,2C-D,Tonga Islands

Main table of station data for the 7d 21h period, including codes, station names, azimuths, phase IDs, times, and residuals.

2013 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOTA, SOKA, FETA, ABTA.

MEX 07 21:20:28.5,0.7, 16.08N,98.28W,h10km,5km,MD3.7, Near coast of Guerrero

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

MEX 07 21:26:10.9,0.8, 16.16N,98.23W,h5km,MD3.6, Near coast of Guerrero

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

IDC 07 21:29:30.0,2.5, 7.05N,123.35E,h0km,mb4.0/3, mb1 4.2/3,mb1mx3.5/42,mbtmp4.0/3,MS3.5/3,Ms1 3.5/3, ms1mx2.8/50, Error ellipse: s-maj=306.3km s-min=23.9km az=63.0, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, AAK, KBZ.

IDC 07 21:42:05.6,2.0, 7.21S,129.97E,h132km,18km,mb3.5/1, mb1 3.7/6,mb1mx3.3/37,mbtmp4.1/6, Error ellipse: s-maj=37.1km s-min=19.5km az=91.0, Banda

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

SJA 07 21:50:24.9,0.6, 21.25S,68.84W,h131km,5km,ML2.7, MW3.9

ISCJB 07 21:50:25.6,0.8, 21.23S,0.03:68.87W,0.08,h131km,gkm, Error ellipse: s-maj=12.9km s-min=4.4km az=179.5

GUC 07 21:50:26.4,0.6, 21.22S,68.78W,h120km,3km,ML3.3

ISC 07 21:50:26.1,1.6, 21.23S,0.03:68.85W,0.08, h127km,11km,n25,c054/4,8C-3D,Chile-Bolivia border region

Main table of station data for the 2013 APR period, including codes, station names, azimuths, phase IDs, times, and residuals.

418

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SONM, MKAR, ZALV, BVAR, TIXI, ARCES, NOA.

TAP 07 21:52:03.1,24.34N,121.45E,h11km,ML1.8,B,Taiwan

Main table of station data for the 418 period, including codes, station names, azimuths, phase IDs, times, and residuals.

TAP 07 21:52:09.2,24.34N,121.45E,h9km,ML1.9,B,Taiwan

Main table of station data for the TAP 07 21:52:09.2 period, including codes, station names, azimuths, phase IDs, times, and residuals.







NEIC 08 00:08:48.4-0.7, 11.99N-88.03W, h47km, 6km, mb4.4/4.1, Error ellipse: s-maj=9.8km s-min=5.5km az=208.0 ISC 08 00:08:47.2-1.3, 11.95N, 0.06:88.05W, 0.05, h44km±12km, n267, s193/265, mb4.3/4.1, MS3.1, 5, 2C, Off coast of central America

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

Table with columns: Station Name, Time, Res, ISC. Lists seismic stations and their recorded data for the event, including stations like Piedmont, Rockmart, Librum, etc.

Table with columns: Station Name, Time, Res, ISC. Lists seismic stations and their recorded data for the event, including stations like T51A Gray, U55A TA2, Sparta, T53A Wies, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MDND Maddock, LATQ Tu Tugue, LSQO Lebel-sur-Quev, ULM Lac du Bonnet, etc.

ISCJB 08 00:16:44.2.0.8, 37.72N.0.04:141.83E.0.08, h60km, 6km, mb3.7/9, Error ellipse: s-maj=10.7km s-min=5.0km

JMA 08 00:16:45.0, 37.73N.141.80E, h52km, 1km, M4.1

ISC 08 00:16:47.9.3.1, 37.74N.141.78E, h80km, 29km, mb3.4/9, mb1.3/12, mb1mx3.5/34, mbtmp3.7/12, Error ellipse: s-maj=25.4km s-min=16.6km az=101.0

ISC 08 00:16:44.6.1.6, 37.72N.0.06:141.89E.0.10, h46km, 15km, n33, c198/43, mb3.5/9, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIO Kawauchi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy 28.18 123 T, H1N1 WAKE ISLAND Hy 28.19 123 T, etc.

ISC 08 00:24:08.2.1.8, 5.67S.130.66E, h0km, mb3.4/1, mb1.3/6.3, mb1mx3.4/20, mbtmp3.4/3, ML3.5/2, Error ellipse: s-maj=192.7km s-min=30.8km az=71.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr 14.63 166 Pn, WRA Warramunga Arr 14.63 166 Pn, etc.

ISCJB 08 00:34:19.0.1.7, 72.36N.0.06:2.5E.0.5, h10km, Error ellipse: s-maj=23.3km s-min=7.8km az=172.4

NAO 08 00:34:22.5.8.2, 72.42N.2.92E, ML2.6

BER 08 00:34:24.6.3.4, 72.38N.2.46E, h19km, 52km, ML2.0, ML2.6(NAO)

ISC 08 00:34:21.3.1.8, 7.232N.0.09:2.8E.0.1, h10km, n21, c198/44, Norwegian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LOF Lototen, HRO Hornsund (brod), TSP Tromso, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KBS Kingsbay, HOPEN Hopen, MORH Mori, etc.

NEIC 08 00:48:05.7.2.3, 26.46S.177.01W, h66km, 19km, mb4.8/3, Error ellipse: s-maj=19.4km s-min=13.4km az=188.0

ISC 08 00:48:06.8.4.7, 26.57S.177.03W, h69km, 39km, mb3.7/5, mb1.4/0.5, mb1mx3.7/21, mbtmp4.0/5, ML5.0/1, MS3.4/3, Ms1.3/4.3, ms1mx3.0/21, Error ellipse: s-maj=35.0km s-min=24.4km az=85.0

ISCJB 08 00:48:08.0.0.7, 26.64S.0.07:177.1W.0.1, h95km, mb4.3/9, Error ellipse: s-maj=16.5km s-min=10.5km az=9.0

ISC 08 00:48:09.3.0.7, 26.73S.0.1:177.1W.0.2, h95km, n25, c099/28, mb4.5/9, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAO Raoul Island, RAO Raoul Island, PPT Papeete, etc.

ISCJB 08 01:11:36.1.3.0, 44.80N.0.02:22.37E.0.02, h11km, 2km, Error ellipse: s-maj=2.9km s-min=2.6km az=44.2

BUC 08 01:11:36.5.0.2, 44.81N.22.42E, h12km, 1km, MD3.1/9, Error ellipse: s-maj=2.6km s-min=1.6km az=22.0

BE0 08 01:11:36.4.0.4, 44.82N.0.02:22.39E.0.02, h13km, 2km, ML2.6/16

ISC 08 01:11:36.4.0.8, 44.82N.0.02:22.39E.0.02, h13km, 5km, n61, c073/90, 22C-18Z, Romania

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HERR Herculanee, HERR Herculanee, DJES Djerpad, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BARS Barje, BARS Barje, TEKS Tekeris, etc.

MEX 08 01:12:10.2.0.4, 16.28N.98.06W, h7km, 4km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG Pinotepa, TLIG Tlapa, etc.

ISC 08 01:31:27.6.0.8, 12.23N.143.28E, h0km, mb4.0/8, mb1.4/2.9, mb1mx3.8/39, mbtmp4.1/9, ML4.3/1, MS3.3/4, Ms1.3/4.4, ms1mx2.9/37, Error ellipse: s-maj=33.6km s-min=14.9km az=112.0

ISCJB 08 01:31:29.5.0.7, 12.22N.0.1:143.2E.0.1, h25km, mb4.1/8, MS3.2/3, Error ellipse: s-maj=23.1km s-min=8.6km az=39.1

ISC 08 01:31:31.4.0.8, 12.22N.0.1:143.3E.0.2, h25km, n15, c0582/10, mb4.1/8, MS3.2/3, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GUMO Guamo, GUMO Guamo, PUMG Port Moresby, etc.

ISC 08 01:49:47.8.64.0, 22.32S.179.97W, h0km, mb4.0/3, mb1.4/2.3, mb1mx3.8/22, mbtmp4.0/3, MS3.6/2, Ms1.3/6.2, ms1mx2.8/25, Error ellipse: s-maj=153.0km s-min=160.4km az=85.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HNR Honiara, STKA Stephens Creek, ASAR Alice Springs, etc.

ISC 08 03:26:26.4.1.1, 21.51N.121.09E, h0km, mb3.9/8, mb1.4/2.9, mb1mx3.7/52, mbtmp3.9/6, MS3.3/6, Ms1.3/3.6, ms1mx2.9/42, Error ellipse: s-maj=50.5km s-min=16.4km az=62.0

JMA 08 03:26:29.5.0.2, 21.38N.120.74E, h29km, M3.8

ISCJB 08 03:26:31.8.0.4, 21.46N.0.02:120.73E.0.03, h62km, 2km, mb3.8/7, Error ellipse: s-maj=4.0km s-min=3.9km az=43.9

TAP 08 03:26:31.8.1.2, 45N.120.79E, h58km, ML4.3, D

ISC 08 03:26:32.4.1.1, 21.41N.0.05:120.68E.0.03, h47km, 10km, n110, c193/182, mb3.9/7, MS3.5/5, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TWKBT Hengchun, TWKBT Hengchun, TWK1 Hengchun, etc.

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

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

Table with columns: Code, Station Name, Frequency, Mode, Power, Phase ID, Time, Res, and other technical details. Includes stations like FITZ, WRA, ASAR, etc.

ILAR Eielson Array 85.63 25 P P 05 03 29.2 -0.2

ISCJB 08 05:37:37.3;0.6;5.01N;0.04;125.95E;0.08,h111km,4km, mb3.9/12, Error ellipse: s-maj=14.0km s-min=5.5km

DJA 08 05:37:37.2;1.2;5.8N;12.0E,h86km,17km,M4.5/6, mb4.6/6,mb4.8/5,MLV4.76,MWmB/M4.1/5

MAN 08 05:37:38.3;4.90N;125.71E,h37km,MS3.6, IDC 08 05:37:52.1;1.6;4.45N;125.89E,h25km,17km,mb3.5/12, mb1.3/13,mb1mx3.4/43,mbtmq4.1/13, Error ellipse: s-maj=28.9km s-min=9.6km az=77.0

ISC 08 05:37:38.1;0.8;4.97N;0.04;125.84E;0.08,h102km,8km,n33,c227/39,mb4.0/12,1C-2D,Talau Islands

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

IDC 08 05:45:37.7;1.4;6.60S;148.23E,h0km,mb3.9/5, mb1.4/16,mb1mx3.8/29,mbtmq3.6/6,ML3.7/1,MS3.5/8, MS1.3/5.8,ms1mx3.3/33, Error ellipse: s-maj=53.2km s-min=14.0km az=124.0

ISCJB 08 05:45:44.8;0.7;6.64S;0.10;147.84E;0.09,h51km, mb3.9/7,MS3.4/6, Error ellipse: s-maj=16.5km s-min=9.0km az=139.0

NEIC 08 05:45:47.4;1.2;6.69S;147.86E,h56km,13km,mb4.1/5, Error ellipse: s-maj=20.5km s-min=8.4km az=139.0

ISC 08 05:45:46.4;0.8;6.65S;0.1;147.8E;0.1,h51km,n25,c1556/22,mb3.8/7,MS3.5/6,Eastern New Guinea region

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

NORS 08 05:46:38.6;0.0;42.61N;44.22E,h18km,MPVA2.9

ISCJB 08 05:46:39.5;0.5;42.59N;0.04;44.35E;0.05,h18km,7km, Error ellipse: s-maj=7.9km s-min=4.1km az=41.5

ISC 08 05:46:38.7;0.9;42.63N;0.04;44.39E;0.04,h17km,n8km,n15,c087/25,Western Caucasus

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

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

BUI 08 06:05:28.1;20.75N;144.94E,h157km,mb4.8/46, mb5.2/28

ISCJB 08 06:05:29.4;0.6;20.67N;0.02;144.69E;0.02, h155km,5km,mb4.8/282, Error ellipse: s-maj=3.9km s-min=3.5km az=166.7

MOS 08 06:05:30.4;0.9;20.66N;144.63E,h168km,mb4.9/70, Error ellipse: s-maj=9.3km s-min=5.6km az=103.6

IDC 08 06:05:31.5;2.0;20.64N;144.77E,h168km,18km, mb4.3/27,mb1.4/43,mb1mx4.3/43,mbtmq4.8/30,MS3.3/5, MS1.3/3.5,ms1mx2.9/38, Error ellipse: s-maj=12.7km s-min=7.5km az=89.0

NEIC 08 06:05:32.5;1.2;20.61N;144.71E,h172km,4km, mb4.8/236, Error ellipse: s-maj=15.3km s-min=12.3km az=87.0

ISC 08 06:05:31.7;0.6;20.64N;0.04;144.79E;0.06,h168km,5km,n571,c1570/596,mb4.8/285,10C-5D,Mariana Islands

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

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

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

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

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

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

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

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

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

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

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

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

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



8d 6h

2013 APR

Table with columns: Call sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like BMO, ASUD, CMB, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like SHPR, IMW, GCMT, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like N23A, N23A, X18A, etc.

IDC 08:14:59.3:3.9,30,37S:138.40E,h0km,mb1 3.3/3, mb1mx3.2/2.1,mbtpp3.0/3,ML2.7/3,Error ellipse: s-maj=100.4km s-min=16.0km Phase ID Time Pres

ASAR baz=148,slow=23,SNR=3.0 Lg Lg 06 19 12.6
WRA Warramunga Arr 11.01 340 Pn Pn 06 17 38.8 +0.7
WRA 0.1mm,0.3s,baz=156,slow=14,SNR=5.1 Sn Sn 06 19 38.9 -3.2

SOME 08 06:59:11.2,41.07N,72.33E,h0km
KRNET 08 06:59:13.2,0.1,41.13N,72.38E,h21km,mb3.0
NNC 08 06:59:14.2,0.1,41.15N,72.42E,h0km,mb3.6,mpv3.2
Error ellipse: s-maj=9.9km s-min=4.2km az=176.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains numerous station entries like ARSB, ARK, AML, BTk, etc.

TNSS 1.7nm,0.3s eS Sg 07 01 15.8 -2.4
MDOK Medeo 5.6nm,0.7s 4.04 58 Pg Pp 07 00 26.1 +1.7
MDOK 1.4nm,0.4s Lg Lg 07 01 19.6

IDC 08 07:00:55.6:3.1,31.25Sx177.17W,h0km,mb3.7/2,
mb1 3.9/3,mb1mx3.6/42,mbtmp3.7/3,ML3.4/1,MS3.4/2,
Ms1 3.4/2,ms1mx2.7/18.0, Error ellipse: s-maj=76.3km
s-min=36.3km az=136.0, Kermaedc Islands region

IDC 08 07:13:47.0:4.0,55.56Sx28.91W,h0km,mb4.1/6,
mb1 4.3/7,mb1mx4.0/28,mbtmp4.2/7,ML3.5/1,MS3.7/11,
Ms1 3.7/11,ms1mx3.5/25, Error ellipse: s-maj=31.6km
s-min=18.6km az=67.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains numerous station entries like HOPE, VNA1, VNA3, etc.

IDC 08 07:28:55.7:3.0,60.52Sx26.42W,h0km,mb4.1/3,
mb1 4.2/3,mb1mx3.8/20,mbtmp4.1/3, Error ellipse:
s-maj=95.9km s-min=40.8km az=29.2
ISCSJB 08 07:28:57.0:5.5,60.40Sx0.0:26.4W:0.2,h20km,
mb4.4/15, Error ellipse: s-maj=17.6km s-min=7.6km
az=141.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains numerous station entries like VNA1, VNA3, VNA2, etc.

IDC 08 07:45:14.8:2.1,2.56N:127.79E,h0km,mb3.4/3,
mb1 3.6/3,mb1mx3.3/48,mbtmp3.4/3, Error ellipse:
s-maj=153.5km s-min=24.7km az=67.0, Northern
Molucca Sea

IDC 08 07:45:31.3:0.9,17.71S:0.0:09.175:4W:0.2,h300km,
mb3.8/6, Error ellipse: s-maj=20.2km s-min=12.9km
az=5.9

IDC 08 07:45:31.1:4.0,17.73Sx175.30W,h285km,38km,mb3.5/6,
mb1 3.7/7,mb1mx3.9/39,mbtmp4.2/7, Error ellipse:
s-maj=7.9km s-min=7.6km az=1.0

IDC 08 07:45:32.5:1.1,17.75S:0.1:175.5W:0.2,h300km,n23,
c1845/28,mb3.7/6,Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains numerous station entries like GLKZ, DZM, OUZ, etc.

KRSC 08 08:00:58.9:10.0,54.75N:161.71E,h24km,10km,ML3.7,
Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains numerous station entries like MKZ, TUMD, KZV, etc.





ASAR Alice Springs 7.74 298 Pn Pn 08 46 33.2 -0.4
ASAR 0.2nm,0.3s,baz=120,slow=13,SNR=8.6
ASAR 0.6nm,0.3s,baz=122,slow=23,SNR=11.1

IDC 08 08:45:14.0.2.5,53.71N,86.97E,h0km,mb1 3.1/2,
mb1mx2.9/6,mbtm3p.1/2,ML2.9/2, Error ellipse:
s-maj=23.7km s-min=14.7km az=69.0, Southwestern
Siberia

Code Station Name Az AZZ Phase ID Time Res
H46RU ZALESOVO INFRA 1.30 282 I Op ISC
ZALV Zalesovo Beam 1.30 282 Pg Pn
ZALV 2.9nm,0.3s,baz=104,slow=16,SNR=19

ISCJB 08 08:50:07.9.0.5,30'01S,0'02:71.60W,0'05,h64km,6km,
mb4,1/1, Error ellipse: s-maj=7.7km s-min=3.4km
az=179.9

NEIC 08 08:50:09.0.0.0,30'10S:71'21W,h70km,mb4.5/4,
ML4.8(GUC), After GUC.

NEIC Felt [V] at Andacollo, Coquimbo, La Serena and Rio
Hurtado; [III] at Monte Patria, Ovalle, Paiguano and
Vicuna; [II] at Canela, Combarbalá, Illapel, La Higuera,
Los Vilos, Punitaqui and Salamanca.

SJA 08 08:50:09.3.1.1,29.98S:71'37W,h34km,3km,ML4.1,
MW4.1

IDC 08 08:50:09.9.0.6,30'13S:71'20W,h51km,5km,mb3.8/9,
mb1 3.9/14,mb1mx3.8/27,mbtm4.0/14, Error ellipse:
s-maj=20.8km s-min=14.1km az=96.0

GUC 08 08:50:10.3.0.5,30'11S:71'22W,h67km,9km,ML4.9
ISC 08 08:50:09.0.0.5,30'06S:0'04:71.47W,0'06,h55km,4km,
h55km,pP,n66,az=121.10,mb4.2/11,2C-1D,Near coast
of central Chile

Code Station Name Az AZZ Phase ID Time Res
G004 Tololo Observa 0.59 101 Op ISC
G004 Tololo Observa 0.59 101 eP Pn
G004 Tololo Observa 0.59 101 eS Pn

CMCH Combarbalá 1.18 160 I/P Pn
CMCH 0.50 29.6 +0.3
LCO Las Campanas 1.24 33 eP Pn
LCO 0.50 31.7 +1.4

ACCO Cerro Coronel 2.14 105 eP Pn
ACCO 0.50 45.6 +3.0
RTLS Leoncito 2.54 103 eP Pn
RTLS 0.50 50.9 +2.8

ROC1 El Roble 2.93 173 eP Pn
ROC1 0.50 54.5 +1.2
ROC1 El Roble 2.93 173 eS Pn
ROC1 0.51 27.6 +0.1

NY14 Universidad de 0.84 67 Op ISC
LAPC Finca La Perla 0.98 63 I/P Pb
BUEV Buena Vista 1.02 62f eP Pg

ASAL Salagasta 3.38 139 eP S Pn
ASAL 0.51 02.6 +3.2
FCH Farellones 3.41 163 IAML S Pn
FCH 0.51 42.6 +4.3

GO02 Mina Guanaco 5.16 19 eP Pn
GO02 0.51 25.1 +1.2
PB10 IPOC Station P 6.57 7 eP Pn
PB10 0.51 45.4 +2.0

LVC Limon Verde 7.77 18 eP Pn
LVC 0.51 59.3 -0.5
LVC 0.53 22.3 -4.2

PLCA Paso Flores 10.67 176 eP S Pn
PLCA 0.54 35.2 -2.0
PLCA Paso Flores 10.67 176 eS Pn
PLCA 0.52 39.1 -0.1

PLCA Paso Flores 10.67 176 eS Pn
PLCA 0.54 36.3 -0.9
PLCA Paso Flores 10.67 176 eS Pn
PLCA 0.52 42.3 -1.9

PLCA Paso Flores 10.67 176 eS Pn
PLCA 0.54 46.6 +0.6
TRQA Tornquist 11.20 138 eP Pn
TRQA 0.52 45.5 -0.8

CPUP Villa Florida 13.01 77 eP Pn
CPUP 0.53 09.6 -1.5
CPUP 0.55 36.3 +2.1

CPUP Villa Florida 13.01 77 eP Pn
CPUP 0.53 09.0 -2.1
GO07 Milladeo Hill, 13.15 187 eP Pn
GO07 0.53 36.4 +2.1

USHA Ushuaia 24.85 176 P Pn
USHA 0.55 26.7 +0.6
USHA 0.55 35.9 +0.1

SNAA Sanae 55.06 159 eP P 08 59 35.1 +0.3
QSPA South Pole Qui 60.16 180 P P 09 00 12.1 +1.3
QSPA 0.2nm,0.3s,baz=158,slow=1.6,SNR=9.9

IDC 08 09:09:04.1.0.1,53'99N,86'72E, M2.4, Industrial
explosion (after: The Earthquakes of Russia in 2012.
Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 08 09:09:12.1.3.1,53'97N:87.40E,h0km,mb1 2.9/2,
mb1mx2.8/6.1,mbtm2.9/2,ML2.4/2, Error ellipse:
s-maj=24.4km s-min=15.8km az=63.0, Southwestern
Siberia

H46RU ZALESOVO INFRA 1.52 270 I Op ISC
ZALV Zalesovo Beam 1.52 270 Pg Pn
ZALV 3.0nm,0.3s,baz=84,slow=14,SNR=23

ZALV Zalesovo Beam 1.52 270 Pg Pn
ZALV 2.7nm,0.3s,baz=89,slow=27,SNR=9.0
KURBB Kurchatov Arra 6.39 242 Pn Pn
KURBB 0.1nm,0.3s,baz=60,slow=14,SNR=2.8

KURBB Kurchatov Arra 6.39 242 Pn Pn
KURBB 0.1nm,0.3s,baz=58,slow=29,SNR=3.1
MKAR Makanchi Arry 7.89 206 Pn Pn
MKAR 0.1nm,0.3s,baz=30,slow=14,SNR=2.3

MKAR Makanchi Arry 7.89 206 Pn Pn
MKAR 0.1nm,0.3s,baz=30,slow=14,SNR=2.3
SONM Songoing Arry 13.45 109 Lg Lg
SONM 0.1nm,0.3s,baz=311,slow=25,SNR=5.1

ISCJB 08 09:15:21.0.0.8,10'22N:0'07:86.40W,0'04,h10km,
mb3.2/5, Error ellipse: s-maj=9.8km s-min=6.0km az=10.6
UCR 08 09:15:22.7.1.5,10'27N:86'33W,h8km,11km,MD4.1,
ML3.0

IDC 08 09:15:23.1.2,10'32N:0'08:86.33W,0'06,h10km,n32,
o103/37,mb3.3/5,6C, Off coast of Costa Rica

Code Station Name Az AZZ Phase ID Time Res
NY14 Universidad de 0.84 67 Op ISC
LAPC Finca La Perla 0.98 63 I/P Pb
BUEV Buena Vista 1.02 62f eP Pg

GB1A Borinquen Arri 1.04 62f eP Sg
GPB3 Bodega del ICE 1.04 66 I/P Pg
LIM1 Limon Verde 1.12 71 I/P Pb

CU1 Cuipilapa 1.19 74 I/P Sg
CU1 0.51 47.7 -0.4
CU1 Cuipilapa 1.19 74 I/P Sg
CU1 0.51 47.7 -0.4

JTS JuntasAbangare 1.35 91 Pn Pn
JTS 0.51 46.3 -1.1
JTS 46nm,0.3s,baz=340,slow=22,SNR=11

JTS JuntasAbangare 1.35 91 Pn Pn
JTS 0.51 46.7 -0.6
JTS JuntasAbangare 1.35 91 Pn Pn
JTS 0.51 48.4 +0.3

CASO Castillo 1.57 86 I/P Pn
ARE1 Arenal 1.59 85f eP Pn
CEDE Laguna Cededo 1.60 84 I/P Pn

ACON Acopya 1.99 35 eP Pn
ACON 0.51 56.2 -2.4
ACON 0.51 36.3 -0.5

MOMM Motomombo 2.20 354 eP Pn
HODN Heredia 2.28 388 eP Pn
LUC2 Laucha 2.36 144 eP Pn

TRT1 Tortugalo 2.60 84 eP Pn
MATM Matagalpa 2.62 94 eP Pn
ESPN Las Esperanzas 2.72 47 eP Pn

DRKO Durika 3.21 109 eP Pn
TXAR Lajitas Array 3.49 322 P Pn
TXAR 0.2nm,0.5s,0.7s,baz=132,slow=9.0,SNR=7.5

TKL Tuckaleechee C 25.33 5 P Pn
PDAR Pinedale Array 38.16 332 P Pn
NVAR Mina Array Bea 40.02 320 P Pn

YKA Yellowknife Ar 55.94 345 P Pn
YKA 0.51 58.0 -2.5
YKA 0.51 58.0 -2.5

TKL Tuckaleechee C 25.33 5 P Pn
PDAR Pinedale Array 38.16 332 P Pn
NVAR Mina Array Bea 40.02 320 P Pn

ISCJB 08 09:21:34.2.0.3,37'13N:0'05:137'76E:0'10,
h247km,4km,mb3.5/13, Error ellipse: s-maj=12.4km
s-min=8.2km az=169.5

IDC 08 09:21:34.7.0.5,37'14N:137'83E,h238km,5km,mb3.3/13,
mb1 3.4/17,mb1mx3.2/65,mbtm3.9/17, Error ellipse:
s-maj=18.3km s-min=12.6km az=77.2

JMA 08 09:21:35.6.0.2,37'08N:137'70E,h238km,2km,M3.4
ISC 08 09:21:34.8.0.7,37'16N:0'06:137'92E:0'07,h243km,6km,

n31,az=129/39,mb3.6/13,Near west coast of eastern
Honshu
Code Station Name Az AZZ Phase ID Time Res
MAT Matsushiro 0.66 159 P Op ISC

MAT Matsushiro 0.66 159 S Pn
MJAR Matsushiro Arr 0.66 159 S Pn
MJAR 8.9nm,0.3s,baz=323,slow=2.1,SNR=344

JSD Sado 0.91 17 P Pn
JSD 0.22 20.9 +1.1
JSD 0.22 35.4 +0.2

JNS Sagagawa 1.29 59 P Pn
JRV Ryogasaki san 1.39 145 P Pn
JAG Ashikaga 1.44 120 P Pn

JYTA Yamagatani 1.83 212 P Pn
JYTA Yamagata 1.98 79 P Pn
JFN Fujinaka 2.06 162 P Pn

JOD Odawara 2.12 153 P Pn
JWJ Wachi 2.27 228 P Pn
JHJ Hachioji jima 2.432 159 P Pn

ASAJ Asahikawa 7.80 26 P Pn
ASAJ 2.8nm,0.3s,baz=235,slow=7.5,SNR=15
KSRS Korea Array 7.97 275 P Pn

KSRS Korea Array 7.97 275 P Pn
KSRS 0.2nm,0.3s,baz=20,slow=15,SNR=2
KUR Kuldur 12.87 342 P Pn

SONM Songoing Arry 25.41 305 P Pn
CMAR Chiang Mai Arr 38.85 252 P Pn
ZALV Zalesovo Beam 39.76 312 P Pn

MKAR Makanchi Arry 44.69 301 P Pn
KURBB Kurchatov Arra 43.71 308 P Pn
AAK Ala-Archa 47.96 297 P Pn

AAK Ala-Archa 47.96 297 P Pn
AAK 1.0nm,0.6s,baz=115,slow=9.3,SNR=3.9
BVAR Borovoye Array 48.41 312 P Pn

WRA Waramunga Arr 56.90 194 P Pn
ARCS Arceces Array B 62.87 339 P Pn
YKA Yellowknife Ar 65.08 29 P Pn

FINES Finess Array B 67.37 331 P Pn
AKASG Malin Arry B 72.46 321 P Pn
NOA Nihoa Island 72.96 336 P Pn

ISCJB 08 09:22:44.0.5,3'39S:0'07:138'58E:0'07,h71km,
mb3.8/8, Error ellipse: s-maj=11.1km s-min=8.0km
az=137.8

IDC 08 09:22:44.2.2,3'37S:138'68E,h75km,23km,mb3.7/9,
mb1 3.9/13,mb1mx3.7/39,mbtm4.1/13,MS3.1/3,
Ms1.3/13,ms1mx2.6/37, Error ellipse: s-maj=21.8km
s-min=12.8km az=106.0

ISC 08 09:22:44.0.0.7,3'41S:0'08:138'60E:0'09,h71km,n16,
o1501/16,mb3.9/8,Irian Jaya

Code Station Name Az AZZ Phase ID Time Res
JAY Jayapura 2.29 67 P Op ISC
JAY 2.7nm,0.3s,baz=236,slow=9.6,SNR=55

JAY Jayapura 2.29 67 P Op ISC
JAY 2.7nm,0.3s,baz=236,slow=9.6,SNR=55
JAY 41nm,0.3s,baz=128,slow=16,SNR=5.1

PJM comp=2.74nm,19.3s,baz=282,slow=43
MT Morere 10.38 125 P Pn
WRA Waramunga Arr 16.95 194 P Pn

WRA Waramunga Arr 16.95 194 P Pn
WRA 1.3nm,0.3s,baz=15,slow=13,SNR=69
FITZ Fitzroy Crossi 19.34 220 P Pn

FITZ Fitzroy Crossi 19.34 220 P Pn
FITZ 0.5nm,0.3s,baz=30,slow=12,SNR=6.4
ASAR Alice Springs 20.64 192 P Pn

ASAR Alice Springs 20.64 192 P Pn
ASAR 10nm,0.7s,baz=19,slow=11,SNR=37
STKA Stephens Creek 28.45 175 P Pn

DZM Mont Dzumac 32.77 127 LR LR
CMAR Chiang Mai Arr 44.69 301 P Pn

RPZ Rata Peaks 49.35 149 LR LR
KLR Kurchatov Arra 47.28 323 P Pn

MKAR Makanchi Arry 70.28 323 P Pn
ZALV Zalesovo Beam 72.48 330 P Pn

VANDA Vanda 75.09 175 P Pn
BVAR Borovoye Array 79.82 325 P Pn

ILAR Eielson Array 86.51 24 P Pn
LPZA La Paz 147.12 127 PKPbc PKPbc

ISC 08 10:03:14.0.1.0,49'56N:0'04:174'7E:0'04,h0km,n7,
o088/12, Czech and Slovak Republics

Code Station Name Az AZZ Phase ID Time Res
MORC Moravsky Berou 0.22 12 eP Pg

VRAC Vranov 0.63 246 eP Pg
JAVC Velka Javorina 0.71 169 eP Pg
KRUC Moravsky 0.86 235 eP Pg

KRUC Moravsky 0.86 235 eP Pg
LANS Liptovska Anna 1.37 107 eP Pn
LANS 1.05 18.0 +2.2

VYHS Vyhne 1.40 139 eP Pn
VYHS 0.53 58.3 -0.5
KSP Ksiaz 1.49 330 eP Pn

KSP Ksiaz 1.49 330 eP Pn
KSP 0.53 58.3 -0.5
KSP 0.53 58.3 -0.5

KRSC 08 10:04:37.9.10.0,50'37N:160'58E,h46km,10km,ML3.5,
East of Kuril Islands

Code Station Name Az AZZ Phase ID Time Res
RUS Russkaya 2.03 321 eP Pn

RUS Russkaya 2.03 321 eP Pn
MTVR Mtnovka 2.20 318 eP Pn
MTVR 0.53 58.3 -0.5

ASAK Asatcha 2.25 313 eP Pn
NLN Nalychetvo 2.43 342 eS Pn
DALK Dalky 2.44 333 eP Pn

KRML Karymshinskiy 2.48 323 eS Pn
KRMK Karymshinskiy 2.48 323 eS Pn
UGLR Uglovaya 2.58 336 eP Pn

SDLR Sedlovina 2.63 337 eP Pn
AVH Avacha 2.65 335 P Pn
KRER Koryakskii 2.69 336 eS Pn

KRX Aruk 2.76 335 eP Pn
MKZ Mys Kozlova 3.76 10 eP Pn
MKZ 0.51 36.3 +0.3

Table with columns: KZV, Kizimen, 4.25 358 eP, Pn, 10 05 44.7 +4.5, etc.

IDC 08 10:10:00.26.7, 29.80N; 89.96E, h0km, mb3.5/2, mb1 3.9/3, mb1mx3.3/46, mbtmp3.6/3, Error ellipse: s-maj=393.3km s-min=113.5km az=59.0

DMN 08 10:10:52.9.0, 23.07N; 93.20E, h10km, M14, 7/6, Error ellipse: s-maj=27.0km s-min=6.2km az=32.0

ISCJB 08 10:10:56.5.1, 8.22N; 0.3; 92.2E; 0.3, h10km, Error ellipse: s-maj=52.8km s-min=13.4km az=37.7

ISC 08 10:10:56.0.1, 3.23N; 10.4; 92.6E; 0.3, h10km, n13, az=80/17, India-Bangladesh border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like ODAN, ODAN, TAPN, Ramite, etc.

TRN 08 10:14:14.2, 14.00N; 60.52W, h11km, MD3.6, Windward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like SLW, Petit Monier, SLW, Patience, etc.

IDC 08 10:58:43.3.0.6, 9.88N; 123.32E, h0km, mb3.8/12, mb1 4.0/12, mb1mx3.8/47, mbtmp3.8/12, Error ellipse: s-maj=35.9km s-min=14.7km az=70.0

ISCJB 08 10:58:46.0.1, 4.9, 9.98N; 0.03; 123.12E; 0.03, h12km; 10km, mb3.8/12, Error ellipse: s-maj=5.5km s-min=4.3km az=161.1

MAN 08 10:58:45.3, 9.95N; 123.14E, h1km, MS3.4

MAN INTENSITY III - TAYASAN & LA LIBERTAD NEGROS ORIENTAL; INTENSITY II - AYUNGON NEGROS ORIENTAL

ISC 08 10:58:43.6.1, 2.9, 9.91N; 0.02; 123.19E; 0.03, h2km; 6km, n30, az=127/46, mb3.7/12, 4C-3D, Negros

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

Table with columns: KLR, Kul'dur, 39.84 9 P, P, 11 06 19.7 +1.2, etc.

ISCJB 08 11:12:12.9.0.2, 61.50N; 0.02; 149.92W; 0.05, h49km, 5km, mb3.0/2, MS3.1/1, Error ellipse: s-maj=4.2km s-min=3.4km az=36.5

IDC 08 11:12:12.0.1, 2.61; 22N; 149.27W, h0km, mb3.2/2, mb1 3.5/6, mb1mx3.3/37, mbtmp3.2/6, ML3.0/4, MS3.2/1, MS1 3.2/1, ms1mx2.3/24, Error ellipse: s-maj=26.4km s-min=10.8km az=108.0

NEIC 08 11:12:14.3.0.0, 61.48N; 149.91W, h38km, ML3.3(AEIC), After AEIC.

NEIC Fell at Anchorage, Eagle River, Palmer and Wasilla. ISC 08 11:12:13.7.1, 0.61; 36N; 149.89W; 0.03, h32km; 9km, n81, az=93/90, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like FIB, Fire Island, RC01, Rabbit Creek A, etc.

Table with columns: FNA, Florina, 0.16 124 P, Pg, 11 20 05.7 +0.2, etc.

MEX 08 11:27:08.2.0.5, 14.18N; 92.62W, h10km, MD3.6, Near coast of Chiapas

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

NEIC 08 11:48:36.4.0.3, 10.81S; 165.80E, h10km, mb4.7/24, Error ellipse: s-maj=2.8km s-min=1.8km az=72.0

ISCJB 08 11:48:38.6.0.5, 10.93S; 0.05; 165.70E; 0.06, h35km, mb4.4/28, MS3.7/7, Error ellipse: s-maj=9.8km s-min=5.8km az=147.8

IDC 08 11:48:42.7.3.3, 10.87S; 165.66E, h53km; 28km, mb4.0/12, mb1 4.2/14, mb1mx3.8/50, mbtmp4.3/14, ML4.6/2, MS3.7/9, MS1 3.7/9, ms1mx3.4/24, Error ellipse: s-maj=23.8km s-min=13.6km az=57.0

ISC 08 11:48:39.8.0.6, 10.81S; 0.06; 165.89E; 0.07, h35km, n62, az=126/53, mb4.6/29, MS3.8/7, Santa Cruz Islands

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

Table with columns: STKA, WARRAMUNGA ARR, WRAB, WRA, etc. Includes station names, coordinates, and various data points.

Table with columns: RDWB, HARP, SVWZ, etc. Includes station names, coordinates, and various data points.

Table with columns: ARLS, UZB, UZB, etc. Includes station names, coordinates, and various data points.

IDC 08 11:53:11.7±1.5, 2.508N×145.19E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.3/5.0, mbmtb3.5/3, Error ellipse: s-maj=58.5km s-min=31.6km az=96.0, North Pacific Ocean

SOME 08 12:43:18.7±0.40, 15N-77.72E, h0km KRNET 08 12:43:18.7±0.1, 40.17N-77.64E, mb3.4 NNC 08 12:43:19.2±0.9, 40.12N-77.68E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=21.3km s-min=16.9km az=156.0

ISC 08 12:43:22.0±2.4, 40.30N-109.777E, h0km, 14km, n60, c157/89, 15C-14D, Kyrgyzstan-Xinjiang border

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

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

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

ISCJB 08 11:57:21.1±0.4, 63.42N-151.41W, h12km, 3km, mb3.5/3, MS3.4/2, Error ellipse: s-maj=3.2km s-min=3.1km az=1.3

NEIC 08 11:57:21.6±0.0, 63.40N-151.40W, h11km, MW3.6, ML3.6(AEIC), Moment Tensor Solution. s44 Moment tensor: Scale 10^14Nm; Mr:0.78; Mb:0.68; Mo:0.10; Ms:2.16; Mw:0.77; Mw:1.47; Best double couple: Mc:2.800000x10^14 NP1:0.56,000000, 80.000000, 7.9,000000, NP2:0.234,000000, 81.0,000000, 7.89,000000

ISC 08 11:57:21.8±1.1, 63.40N-151.40W, h0.02d, h8km, 8km, n91, c1504/102, mb3.5/6, Central Alaska

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

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

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

NDI 08 13:02:56.9±2.4, 24.19N-94.36E, h28km, 20km, ML3.6

ISC 08 13:02:57.0±1.0, 24.24N-94.27E, h98km, 10km, Error ellipse: s-maj=10.0km s-min=6.8km az=13.5

ISC 08 13:02:57.4±2.7, 24.23N-94.3E, 0.1, h10km, 26km, n17, c1503/1, ID, Myanmar-India border region







Table with columns: WMQ, comp, LR, LR, and various station names like YKWB, YKA, YKBS, etc.

Table with columns: ANMO, Albuquerque, 67.50, 62, eP, P, 15 16 01.8 +0.8, and various station names like TX31, TXAR, CLL, etc.

Table with columns: PCAS, Casimio, Conte, 3.67, 16, S, Sn, 15 10 16.8 -0.9, and various station names like PCBR, ECAB, ZHG, etc.

ISJCJB 08 15:08:41.9,0.7,36:54N,0:02:9:65W,0:05,h35km, Error ellipse: s-maj=6.1km s-min=3.4km az=170.0

INMG 08 15:08:45.8,1.3,36:59N,9:71W,h31km,ML2.4, Error ellipse: s-maj=5.6km s-min=2.7km az=86.0

IGIL 08 15:08:45.5,36:58N,9:71W,h31km,ML2.5

ISC 08 15:08:41.4,1.5,36:53N,0:04:9:83W,0:07,h35km,n72, r175/109,6C-1D, West of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station names like Vila Bispo, Vila Bispo, etc.

IDC 08 15:15:36.5,4.1,17:58S,177:28W,h0km,mb3.7/4, mb1.3/9,mb1mx3.5/48,mbtmp3.7/4, Error ellipse: s-maj=178.9km s-min=35.1km az=138.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station names like STKA, ASAR, ILAR, etc.

IDC 08 15:18:39.6,2.2,4:46N,126:05E,h0km,mb3.4/3, mb1.3/9,mb1mx3.1/49,mbtmp3.4/3, Error ellipse: s-maj=194.6km s-min=26.1km az=65.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station names like WRA, ASAR, MKAR, etc.

MEX 08 15:24:05.3,0.8,15:97N,98:29W,h20km,5km,MD3.8,Off coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station names like PNIG, TLIG, CAIG, etc.

IDC 08 15:28:04.0,29.0,17:18S,178:70W,h379km,299km, mb3.4/6,mb1.3/6,mb1mx3.2/42,mbtmp4.2/6, Error ellipse: s-maj=107.8km s-min=73.1km az=107.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station names like CTA, STKA, WRA, etc.

NNC 08 15:28:46.4,3.0,43:16N,85:95E,h0km,mb3.5,mpv3.2, 11C-4D, Error ellipse: s-maj=25.1km s-min=13.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station names like ZSN, MK31, MAKZ, etc.

Table with columns: KAPS, Kapalarasan, 5.01 292 Pg Pb, 15 30 17.2 +2.4, 15 31 33.0, 15 30 15.1 -0.9, 15 31 28.8, 6.50 269 Pg Pg, 15 30 49.1 -1.7, 15 32 16.6, 8.64 327 Pn Pn, 15 30 51.9 -0.7, 15 32 31.6 +0.9, 15 33 20.4, 8.68 328 Pn Pn, 15 30 51.2 -1.9, 15 32 31.6 0.0, 15 33 23.3

ISCJB 08 15:29:56.9-0.6, 11.155:0.07:162.29E:0.10, h36km, mb3.8/11, MS3.6/5, Error ellipse: s-maj=15.8km s-min=7.0km az=146.9

IDC 08 15:30:01.8-2.8, 11.075:162.20E, h62km, 22km, mb3.7/11, mb1.3/4.7, mb1mx3.7/3.7, mbtmp4.0/12, ML4.3/2, MS3.4/7, Ms1.3/4.7, ms1mx3.2/2.5, Error ellipse: s-maj=24.0km s-min=14.9km az=78.0

ISC 08 15:29:58.9-0.7, 11.005:0.09:162.3E:0.1, h36km, n22, s1619.19, mb3.8/11, MS3.6/5, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, HNR, Honiara, 2.82 305 Op Pn, 15 30 42.6 +1.1, 15 31 11.4, 15 31 16.7 +2.5, 15 30 41.0 -0.5, 15 31 14.0 -0.2, 15 32 44.4 +1.6, 15 34 50.2 -1.5, 15 36 26.4, 15 35 01.1 -0.2, 15 35 48.5 +0.3, 15 46 27.3, 15 35 48.5 -1.0, 15 39 01.8 -0.3, 15 06 49.9, 15 06 50.8, 15 36 01.8 -0.8, 15 39 05.0 -0.7, 15 47 17.5, 15 08 21.8, 15 08 22.2, 15 08 23.3, 15 02 56.1, 15 40 11.0 -1.0, 15 40 45.5 +1.3, 15 04 03.3, 15 41 31.4 0.0, 15 41 46.1 -0.3, 15 16 56.5, 15 42 29.1 +0.8, 15 42 58.7 -1.7, 15 43 24.9 +0.5

ISCJB 08 16:09:15.7-0.4, 5.83S:0.05:152.04E:0.06, h36km, mb4.2/25, MS3.2/6, Error ellipse: s-maj=9.6km s-min=6.3km az=39.2

NEIC 08 16:09:19.1-0.7, 5.82S:151.99E, h55km, 6km, mb4.6/11, Error ellipse: s-maj=7.6km s-min=5.9km az=122.0

IDC 08 16:09:20.4-0.4, 5.89S:152.04E, h62km, 41km, mb3.8/16, mb1.4/0.17, mb1mx3.8/4.3, mbtmp4.1/17, ML2.5/1, MS3.2/8, Ms1.3/2.8, ms1mx3.0/2.9, Error ellipse: s-maj=27.9km s-min=18.4km az=89.0

ISC 08 16:09:16.9-0.6, 5.82S:0.07:152.14E:0.09, h36km, n51, s1500.47, mb4.2/25, MS3.2/6, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, RABL, Rabaul, 1.62 1 Op Pn, 15 10 43.7 +0.7, 15 10 46.1 +2.0, 15 10 46.0 +1.5, 15 11 53.1 +0.2, 15 12 53.5, 15 16 12.4 +0.8, 15 11 53.1 +0.2, 15 16 12.4, 15 13 44.0 -3.1, 15 22 55.2, 15 21 40.5, 15 14 02.9 +2.6, 15 14 02.7 +0.8, 15 14 06.3 -0.4, 15 14 10.5 -0.6, 15 14 10.4 -0.8, 15 14 10.7 -0.6, 15 14 35.6 -1.1, 15 14 35.6 -1.1, 15 14 37.2 -0.1, 15 14 36.8 -0.5, 15 15 02.5 +0.3, 15 16 25.4 +0.2, 15 15 10.5 +1.0, 15 15 02.9 -0.9

Table with columns: FITZ, Fitzroy Crossi, 28.60 242 LR P, 16 15 08.8 -1.2, 16 34 27.3, 16 37 10.3, 16 19 04.7 +0.1, 16 20 05.5 +0.2, 16 20 05.5 +0.2, 16 20 34.7 -0.9, 16 20 34.0 -1.5, 16 21 15.6 -0.1, 16 21 26.2 0.0, 16 21 26.2 0.0, 16 21 30.0 -1.2, 16 59 55.6, 16 21 30.0 -1.2, 16 59 55.5, 16 21 40.0 0.0, 16 21 40.5 +0.6, 16 21 39.8 -0.1, 16 21 43.3 +0.4, 16 21 44.6 0.0, 16 22 02.9 +0.5, 16 22 11.7 +1.1, 16 22 10.1 -1.0, 16 22 44.2 +1.2, 16 22 45.7 -1.2, 16 28 51.2 -0.8, 16 29 04.1 -0.6, 16 29 04.2 -0.5, 16 29 04.2 -0.5, 16 29 06.7 0.0

MEX 08 16:12:34.2-0.7, 16.63N:93.95W, h147km, 16km, MD3.9, Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, PCIG, 1.16 142 Op Pn, 16 12 58.9 -1.3, 16 13 17.8 -2.2, 16 13 10.0 -2.0, 16 13 40.9 -1.1

IDC 08 16:51:31.2-6.4, 22.11S:178.42W, h0km, mb4.0/3, mb1.4/2.3, mb1mx3.7/3.2, mbtmp4.0/3, Error ellipse: s-maj=170.9km s-min=100.9km az=142.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, STKA, Stephens Creek, 36.76 246 Op Pn, 16 58 39.3 -1.3, 16 59 39.0 -0.1, 16 59 41.6 +0.8, 17 11 02.6 -0.5

IDC 08 17:03:44.2-3.0, 32.83S:178.29W, h0km, mb3.5/2, mb1.3/8.3, mb1mx3.6/2.5, mbtmp3.6/3, ML3.7/1, Error ellipse: s-maj=70.6km s-min=36.4km az=117.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, URZ, Urewera, 6.59 213 Op Pn, 17 05 22.8 +0.5, 17 06 37.5 -0.6, 17 11 44.0 -0.1, 17 11 53.3 -0.3, 17 23 28.0 -0.9

ISCJB 08 17:08:11.9-0.7, 32.94S:0.03:177.9W:0.1, h34km, mb4.4/8, MS3.8/8, Error ellipse: s-maj=13.8km s-min=9.6km az=14.4

IDC 08 17:08:11.9-0.8, 32.80S:178.27W, h0km, mb4.4/4, mb1.4/6.6, mb1mx4.1/2.8, mbtmp4.4/6, ML4.5/2, MS3.8/8, Ms1.3/9.8, ms1mx3.5/2.9, Error ellipse: s-maj=28.2km s-min=23.0km az=125.0

WEL 08 17:08:13.9-0.9, 33.57S:177.8W:1.8, h33km, ML2.5/14, NEIC 08 17:08:13.6-2.7, 32.87S:178.26W, h12km, 16km, mb4.7/4, Error ellipse: s-maj=10.7km s-min=7.3km az=100.0

ISC 08 17:08:15.6-0.7, 32.85S:0.06:178.0W:0.10, h34km, n103, s1955/113, mb4.6/8, MS3.7/8, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, GLKZ, Green Lake, 3.57 2 Op Pn, 17 09 05.7 -3.0, 17 09 45.3 -4.4, 17 09 08.5 -0.3, 17 09 51.0 +1.1, 17 09 34.5 -1.6, 17 10 38.3 -0.5, 17 09 39.9 +0.5, 17 10 43.9 +0.9, 17 09 40.1 -1.1, 17 10 47.8 -0.3, 17 09 40.2 -1.3, 17 10 49.4 +0.8, 17 10 47.2 -2.0, 17 10 49.7 -0.3, 17 09 43.5 -1.1, 17 10 54.2 -0.0, 17 09 44.4 -0.7, 17 10 55.3 +0.3, 17 09 40.3 -2.0, 17 09 50.7 +2.9, 17 09 50.7 +2.7, 17 11 01.7 +1.4, 17 09 48.1 -0.8, 17 11 01.4 -0.4, 17 09 48.1 -1.5, 17 11 01.8 -1.3, 17 09 51.3 +0.3, 17 11 06.2 +0.7, 17 09 49.5 -1.8, 17 11 05.3 -1.0, 17 09 50.1 -1.3, 17 11 05.4 -0.8, 17 09 52.5 +1.0, 17 09 54.0 +2.0, 17 09 51.7 -0.4, 17 11 07.2 -0.4, 17 09 54.7 +0.4, 17 11 01.4 -0.4, 17 09 54.4 -1.6, 17 09 55.3 -0.9, 17 09 55.8 -0.9, 17 09 55.0 -2.0

Table with columns: TOZ, Tahuroa Road, 7.17 225 P Pn, 17 09 59.9 -1.8, 17 10 00.0 +1.9, 17 09 59.0 +0.1, 17 09 59.0 +0.1, 17 09 59.1 -0.5, 17 10 04.6 +0.6, 17 10 05.5 +0.7, 17 10 00.1 0.0, 17 10 01.5 -0.7, 17 10 03.1 -0.2, 17 10 04.0 -1.4, 17 10 06.6 -0.6, 17 10 05.9 -1.5, 17 10 08.4 +0.9, 17 10 07.9 -0.7, 17 10 07.0 -3.1, 17 10 08.1 -2.0, 17 10 08.2 -2.2, 17 10 12.7 -3.0, 17 10 08.9 -2.5, 17 10 11.9 +0.4, 17 10 10.7 -0.6, 17 10 12.1 -0.7, 17 10 11.1 -1.9, 17 10 13.6 -1.8, 17 10 13.9 +2.3, 17 10 16.8 -1.7, 17 10 15.9 -0.2, 17 10 15.4 -2.1, 17 10 53.9 -2.7, 17 10 54.6 -4.7, 17 11 14.0 -2.2, 17 11 13.6 -4.3, 17 11 24.5 -4.3, 17 13 46.3 -1.5, 17 12 17.0 -0.2, 17 17 49.6, 17 21 42.5, 17 25 54.3, 17 14 56.5 +0.7, 17 28 07.3, 17 16 10.6 -1.0, 17 16 11.2 -0.6, 17 16 11.4 -0.4, 17 22 31.0 -4.1, 17 16 20.3 -1.2, 17 16 20.1 -1.5, 17 16 20.9 -0.7, 17 22 51.6 -1.2, 17 16 20.9 -1.2, 17 22 51.6 -1.2, 17 32 31.9, 17 39 16.5, 17 17 23.8 -0.7, 17 20 09.7 +1.2, 17 20 09.6 +1.1, 17 20 13.7 +1.3, 17 20 15.2 +1.3, 17 20 28.9 +2.5, 17 56 43.5, 17 57 14.1, 18 05 58.2, 17 27 02.1 +1.1, 17 27 02.1 +1.1, 17 27 02.8 +1.1, 17 27 02.8 +1.1, 17 27 10.8 +1.4, 17 27 19.3 +1.1, 17 27 43.0 -0.8, 17 27 43.0 -0.8, 17 27 53.5 -0.1, 17 27 54.0 -1.1, 17 27 56.0 +0.9, 17 27 56.0 +0.9, 17 28 05.7 +0.6, 17 28 05.9 +0.8, 17 28 10.8 +1.3, 17 28 11.0 +1.5, 17 28 10.6 +1.0, 17 28 11.6 +0.5, 17 28 11.6 +0.5, 17 28 54.9 +1.9, 17 28 54.9 +1.9, 17 27 46.2 +1.3, 17 29 17.7 +1.2, 17 27 43.4 -1.9, 17 27 49.4 +0.8, 17 29 22.0 -1.1, 17 27 50.1 +1.4, 17 29 22.0 -1.4

ISCJB 08 17:25:46.1-0.4, 24.52N:0.08:94.22E:0.05, h75km, mb3.8/11, Error ellipse: s-maj=12.4km s-min=3.6km az=30.3

IDC 08 17:25:50.0-3.6, 24.67N:94.71E, h90km, 35km, mb3.5/11, mb1.3/6.12, mb1mx3.3/4.8, mbtmp3.8/12, Error ellipse: s-maj=40.3km s-min=11.6km az=62.0

ISC 08 17:25:47.8-0.7, 24.6N:0.1:94.26E:0.09, h75km, n30, s1946/39, mb3.8/11, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, BRDH, Baridhala, 3.04 233 Op Pn, 17 27 18.1 +9.2, 17 27 24.4 +1.9, 17 28 30.0 -0.6, 17 27 30.4 +0.2, 17 27 30.4 +0.1, 17 27 30.4 +0.1, 17 27 33.0 +0.9, 17 28 53.1 -0.6, 17 27 34.4 +0.3, 17 27 45.2 +6.4, 17 27 41.6 +1.5, 17 29 08.0 0.0, 17 27 46.2 +1.3, 17 29 17.7 +1.2, 17 27 43.4 -1.9, 17 27 49.4 +0.8, 17 29 22.0 -1.1, 17 27 50.1 +1.4, 17 29 22.0 -1.4

ISCJB 08 17:25:46.1-0.4, 24.52N:0.08:94.22E:0.05, h75km, mb3.8/11, Error ellipse: s-maj=12.4km s-min=3.6km az=30.3

IDC 08 17:25:50.0-3.6, 24.67N:94.71E, h90km, 35km, mb3.5/11, mb1.3/6.12, mb1mx3.3/4.8, mbtmp3.8/12, Error ellipse: s-maj=40.3km s-min=11.6km az=62.0

ISC 08 17:25:47.8-0.7, 24.6N:0.1:94.26E:0.09, h75km, n30, s1946/39, mb3.8/11, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, BRDH, Baridhala, 3.04 233 Op Pn, 17 27 18.1 +9.2, 17 27 24.4 +1.9, 17 28 30.0 -0.6, 17 27 30.4 +0.2, 17 27 30.4 +0.1, 17 27 30.4 +0.1, 17 27 33.0 +0.9, 17 28 53.1 -0.6, 17 27 34.4 +0.3, 17 27 45.2 +6.4, 17 27 41.6 +1.5, 17 29 08.0 0.0, 17 27 46.2 +1.3, 17 29 17.7 +1.2, 17 27 43.4 -1.9, 17 27 49.4 +0.8, 17 29 22.0 -1.1, 17 27 50.1 +1.4, 17 29 22.0 -1.4



COCO	West Island	10.30	240cP	Pn	18 56 07.0	-2.1
SBUM	Sibu	11.42	33 ePn	Pn	18 56 28.0	+3.5
SBUM	Sibu	11.42	33 P	Pn	18 56 29.0	+4.5
PLAI	Plampang	11.78	95 P	Pn	18 56 28.5	-0.9
GSJ	Gunungsitoli	11.91	315 ePn	Pn	18 56 26.7	-4.5
GSJ	Gunungsitoli	11.91	315 P	Pn	18 56 27.1	-4.1
PSI	Prapat	12.18	324 P	Pn	18 56 30.6	-4.4
PSI	Prapat	12.18	324 ePn	Pn	18 56 30.9	-4.1
PSI	Prapat	12.18	324 eP	Pn	18 56 30.9	-4.1
BKB	Baikpapan	12.37	62 P	Pn	18 56 54.8	+6.8
IPM	Iloh	12.61	37 ePn	Pn	18 56 41.1	+0.3
SMKI	Samarinda	13.04	60 P	Pn	18 56 53.1	+6.5
SGKI	Sanggata, Kali	13.34	61 P	P	18 57 09.5	+1.1
KULM	Kulim	13.50	337 ePn	Pn	18 56 51.7	-1.2
KULM	Kulim	13.50	337 P	Pn	18 56 52.0	-0.9
SNSI	Sinabang, Aceh	13.57	314 P	Pn	18 56 51.9	-1.9
TPTI	Tampar	13.61	319 P	Pn	18 56 50.2	-4.2
KAPI	Kappang	13.85	82 ePn	Pn	18 56 56.7	-1.0
KAPI	Kappang	13.85	82 eP	Pn	18 56 56.7	-1.0
KAPI	Kappang	13.85	82 P	Pn	18 57 00.1	+2.4
SPSI	Sidrap Palu	14.08	78 P	Pn	18 57 03.8	+3.0
BKSI	Bulukumba	14.17	83 P	Pn	18 57 04.3	+2.4
BNSI	Bone	14.31	80 P	P	18 57 08.7	-0.9
WSI	Waiqapu	14.36	101 P	Pn	18 57 05.9	+1.4
BSSI	Bau Bau, Buton	14.44	87 P	Pn	18 57 07.1	+1.6
MLSI	Meulaboh, Aceh	14.87	320 P	Pn	18 57 05.3	-5.9
LHMI	Lhok Sumawe	15.29	324 ePn	Pn	18 57 12.4	-4.2
EDFI	Ende, Flores	15.62	97 P	P	18 57 16.7	-4.3
IMPSI	Mapaga	15.76	62 P	P	18 57 26.9	+1.2
MMRI	Maumere	16.16	96 ePn	Pn	18 57 23.2	-4.5
MMRI	Maumere	16.16	96 P	Pn	18 57 25.4	-2.3
TRTT	Trang	16.20	337 P	Pn	18 57 27.3	-0.9
BBSI	Bau Bau	16.57	85 P	P	18 57 36.1	+1.5
KKM	Kota Kinabalu	16.64	38 eP	Pn	18 57 35.7	+1.8
KKM	Kota Kinabalu	16.64	38 P	Pn	18 57 37.0	+3.1
APSI	Ampana	16.61	69 P	Pn	18 57 39.3	+1.9
KDI	Kendari	16.86	80 P	Pn	18 57 38.2	+1.7
GIRL	Giralila	17.29	154 P	Pn	18 57 38.0	-3.7
GIRL	Giralila	17.29	154 ePn	Pn	18 57 37.8	-4.0
MRSI	Marisa	17.64	65 P	Pn	18 57 48.1	+1.9
KDM	Kudat	17.71	38 P	Pn	18 57 50.0	+2.8
BATI	Baumata	17.72	101 P	Pn	18 57 45.3	-1.9
BATI	Baumata	17.72	101 P	Sn	19 01 04.9	+0.9
BATI	Baumata	17.72	101 P	Pn	18 57 47.8	+0.6
LUWI	Luwuk	17.81	71 ePn	Pn	18 57 47.5	+3.1
LUWI	Luwuk	17.81	71 P	Pn	18 57 51.5	+3.1
SOEI	Soe	18.25	99 eP	Pn	18 57 52.4	-1.0
SOEI	Soe	18.25	99 P	Pn	18 57 55.2	+1.4
CMBY	CAMPBELL BAY	18.55	319 eP	IAMB	18 57 56.5	0.0
CMBY	CAMPBELL BAY	18.55	319 P	IAMB	18 58 00.4	
DLV	Lat	19.18	7 eP	P	18 58 03.1	-0.5
MBWA	Marble Bar	19.21	138 eP	P	18 58 03.5	-0.3
KMSI	Cibinong	19.54	67 P	Pn	18 58 10.8	+1.8
PSA00	Pilbara Seismi	19.58	138 eP	P	18 58 07.6	-0.2
BATP	Bataraza	19.77	37 eP	Pn	18 58 11.8	+1.8
CHBT	CHBT	20.15	360 P	Pn	18 58 25.0	+1.0
SANI	Sanana	20.57	77 P	Pn	18 58 18.0	-0.6
PHET	Kaeng Krachan	20.95	342 P	P	18 58 25.0	+2.3
SRAK	Srakaw	21.43	949 P	P	18 58 27.1	-0.1
FITZ	Fitzroy Crossi	21.99	121 P	P	18 58 34.5	+0.6
FITZ	Fitzroy Crossi	21.99	121 P	P	19 02 30.8	-3.0
FITZ	Fitzroy Crossi	21.99	121 P	LR	19 06 48.4	
FITZ	Fitzroy Crossi	21.99	121 P	P	18 58 34.5	+0.6
FITZ	Fitzroy Crossi	21.99	121 eP	P	18 58 33.3	-0.5
FITZ	Fitzroy Crossi	21.99	121 P	S	19 02 30.8	-3.0
IPIL	IPIL	22.25	48 eP	S	18 58 38.4	+1.8
SRDT	SRDT	22.47	342 P	P	18 58 40.5	+1.6
ENPP	El Nido	22.65	36 eP	P	18 58 41.1	+0.2
TNTI	Ternate	22.75	70 P	P	18 58 40.8	-1.1
TNTI	Ternate	22.75	70 P	P	18 58 41.6	-0.4
MEEK	Meekatharra	22.76	150 P	P	18 58 42.0	0.0
PAGZ	Pagadian	22.89	50 P	P	18 58 45.1	+1.6
PBA	Port Blair	22.90	325 eP	P	18 58 40.7	-2.8
SKMP	Bagumbayan, Su	22.98	54 eP	P	18 58 45.4	+1.1
CTBH	Cotabato-PC H	23.16	52 iP	P	18 58 47.3	+1.2
CHAI	Chaiyaphum	23.29	350 P	P	18 58 46.6	-0.7
CUYO	Cuyo Island	23.35	40 eP	P	18 58 48.7	+0.7
DDMP	Don Marcelino	23.57	57 eP	P	18 58 52.6	+1.3
MORW	Morawa	23.73	158 P	P	18 58 51.4	0.0
MORW	Morawa	23.73	158 eP	P	18 58 50.5	-0.9
BUSP	Coron	23.74	37 P	P	18 58 52.6	+1.1
KNRH	Sibulan	23.77	47 P	P	18 58 54.3	+2.3
KNRA	Kunmurra	23.84	113 P	P	18 58 52.3	-0.1
BNDI	Bandanaira	23.93	85 P	P	18 58 52.0	-1.4
DGPR	DIGLIPUR	24.04	327 eP	IAMB	18 58 52.2	-2.1
DGPR	DIGLIPUR	24.04	327 P	IAMB	18 58 53.7	
SKNT	Sakolnakorn	24.10	355 P	P	18 58 54.0	-0.8
PBKT	Sadao Pong	24.13	348 eP	P	18 58 53.6	-1.5
PBKT	Sadao Pong	24.13	348 P	P	18 58 54.0	-1.1
DAV	Davao City (W)	24.14	54 eP	P	18 58 57.1	+1.8
DAV	Davao City (W)	24.14	54 eP	LR	19 09 06.6	
DAV	Davao City (W)	24.14	54 eP	P	18 58 53.0	-2.3
DAV	Davao City (W)	24.14	54 eP	P	18 58 54.0	-1.3
BUPK	Musan	24.20	52 eP	P	18 58 57.1	+1.2
GLJM	Jordan	24.23	43 eP	P	18 59 00.9	+1.0
PANO	Nakornpanom	24.23	357 P	P	18 58 54.6	-1.4
UMPA	Umpang Tak	24.30	343 P	P	18 58 55.5	-1.2
MATI	Mati	24.62	56 eP	P	18 58 60.0	+0.4
SJMP	San Jose	24.65	38 eP	P	18 59 00.9	+1.0
LLP	Lapu-Lapu	24.96	46 eP	P	18 59 02.9	+0.2
RCP	Roxas	25.00	421 eP	P	18 59 04.4	+1.3
SAUI	Saumlaki	25.10	93 eP	P	18 59 02.4	-1.6
SAUI	Saumlaki	25.10	93 P	P	18 59 04.7	+0.7
OTRP	Odiang	25.13	39 eP	P	18 59 05.7	+1.4
NONG	Nongkai	25.26	354 P	P	18 59 03.9	-1.4
BUTP	Butuan	25.31	51 eP	P	18 59 06.8	+0.9

UTTA	Uttaradit	25.36	348 P	P	18 59 06.2	-0.1
BLDU	Ballidu	25.37	158 P	P	18 59 07.9	+1.6
MTN	Manzan	25.37	105 P	P	18 59 05.7	-0.8
MTN	Manzon Dam	25.37	105 eP	P	18 59 05.3	-1.2
MSLJ	Maasin	25.48	48 eP	P	18 59 07.6	+0.1
MGY	Tagaytay City	25.84	35 P	P	18 59 12.8	+2.1
BOAC	Boac	25.85	38 P	P	18 59 06.8	+2.1
OJLP	Ormoc	25.92	46 eP	LR	19 10 39.0	
SUPL	Sorong	25.97	77 P	P	18 59 11.9	+1.0
QIZ	Qiongzong	26.34	8 P	P	18 59 17.0	+1.9
QIZ	Qiongzong	26.34	8 P	sP	18 59 36.8	+2.1
QIZ	Qiongzong	26.34	8 P	sS	19 03 07.7	+3.0
QIZ	Qiongzong	26.34	8 P	sS	19 04 06.7	+0.6
QIZ	Qiongzong	26.34	8 P	LR	18 59 30.0	+1.5
QIZ	Qiongzong	26.34	8 P	PFAKE	18 59 30.0	+1.5
CM01	Chiang Mai Arr	26.38	345 eP	P	18 59 14.6	-1.0
CM01	Chiang Mai Arr	26.38	345 ePcP	PcP	19 02 41.4	+1.1
CM31	Chiang Mai Arr	26.42	345 eP	P	19 02 41.5	-1.4
CM31	Chiang Mai Arr	26.42	345 ePcP	PcP	18 59 14.5	+1.1
CM31	Chiang Mai Arr	26.42	345 P	P	18 59 16.5	+0.5
CMAR	Chiang Mai Arr	26.42	345 P	P	19 02 41.1	-1.8
CMAR	Chiang Mai Arr	26.42	345 P	PcP	18 59 14.7	+1.2
CMAR	Chiang Mai Arr	26.42	345 P	ScP	19 06 17.1	+1.0
CMAR	Chiang Mai Arr	26.42	345 P	ScP	19 11 16.2	
MUN	Mundaring	26.43	160 P	P	18 59 15.6	-0.3
FAKI	Fak Fak	26.49	82 eP	P	18 59 15.5	-1.2
FAKI	Fak Fak	26.49	82 P	P	18 59 16.9	+0.2
KDU	Kakadu	26.64	104 P	P	18 59 16.9	-1.1
KLBR	Kellerberrin	26.64	157 P	P	18 59 16.9	-0.9
CMMT	Chiang Mai	26.76	345 P	P	18 59 18.1	-0.9
CHTO	Chiang Mai	26.76	345 eP	P	18 59 17.0	-2.0
CHTO	Chiang Mai	26.76	345 eP	LR	18 59 17.0	-2.0
CHTO	Chiang Mai	26.76	345 eP	Pmax	18 59 17.0	-2.0
CHTO	Chiang Mai	26.76	345 eP	MLR	18 59 17.0	-2.0
CHTO	Chiang Mai	26.76	345 P	P	18 59 18.6	-0.4
CHTO	Chiang Mai	26.76	345 P	P	18 59 18.1	-0.9
BESP	Borongan	26.89	46 eP	P	18 59 18.4	-1.7
NWAO	Narrogin (SRO)	27.65	159 P	P	18 59 27.2	+0.3
NWAO	Narrogin (SRO)	27.65	159 P	PcP	19 02 44.2	+1.0
NWAO	Narrogin (SRO)	27.65	159 P	P	19 09 06.7	
NWAO	Narrogin (SRO)	27.65	159 P	LR	19 09 06.7	
NWAO	Narrogin (SRO)	27.65	159 P	P	18 59 26.5	-0.3
WRKA	Warakuma	27.74	132 P	P	18 59 27.7	-0.1
KMBL	Kambalda	28.26	150 P	P	18 59 32.0	-0.4
SLVN	Son La	28.43	356 eP	P	18 59 33.2	-0.7
H01W	Cape Leeuwin H	28.56	166 T	T	19 29 13.1	
H01W	Cape Leeuwin H	28.56	166 T	T	19 29 14.8	
H01W	Cape Leeuwin H	28.56	166 T	T	19 29 14.6	
PALK	Pallekele	29.03	299 P	P	18 59 42.0	+2.6
PALK	Pallekele	29.03	299 P	P	19 09 52.8	
PALK	Pallekele	29.03	299 P	P	18 59 41.5	+2.1
PALK	Pallekele	29.03	299 P	P	18 59 42.2	+2.8
PALK	Pallekele	29.03	299 P	P	18 59 42.0	+2.6
APYP	Conner	29.10	31 eP	P	18 59 39.6	-0.2
WR1	Warramunga Arr	30.26	118 eP	P	18 59 50.4	+0.1
WR1	Warramunga Arr	30.26	118 eP	PcP	19 02 50.5	+0.4
WR1	Warramunga Arr	30.26	118 eP	S	19 04 46.1	
WR1	Warramunga Arr	30.26	118 eP	P	18 59 50.4	+0.2
WRA	Warramunga Arr	30.26	118 eP	PcP	19 02 50.5	+0.4
WRA	Warramunga Arr	30.26	118 eP	S	19 04 46.5	-0.1
WRA	Warramunga Arr	30.26	118 eP	LR	19 12 45.3	
WRA	Warramunga Arr	30.26	118 eP	P	18 59 49.6	-0.7
WRAB	Tennant Creek	30.27	118 eP	P	18 59 50.0	-0.3
WRAB	Tennant Creek	30.27	118 eP	Pmax	18 59 50.0	-0.3
WRAB	Tennant Creek	30.27	118 eP	Pmax	18 59 50.0	-0.3
WRAB	Tennant Creek	30.27	118 eP	P	18 59 50.0	-0.3
WRAB	Tennant Creek	30.27	118 eP	P	18 59 50.0	-0.3
FORF	Forrest	31.27	141 P	P	18 59 50.0	-0.3
FORF	Forrest	31.27	141 eP	P	18 59 59.0	+0.1
FORF	Forrest	31.27	141 eP	P	18 59 58.6	-0.3
AS31	Alice Springs	31.39	125 eP	PcP	19 02 53.6	+1.2
AS31	Alice Springs	31.39	125 eP	P	18 59 59.8	-0.5
ASAR	Alice Springs	31.39	125 P	P	19 00 00.3	+0.1
ASAR	Alice Springs	31.39	125 P	PcP	19 02 53.8	+0.8
ASAR	Alice Springs	31.39	125 P	P	19 05 05.7	+1.4
ASAR	Alice Springs	31				

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Charters Tower, Xian, Bhopal, Stephens Creek, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Hu-ho-hao-te, Dalian, Canberra, Dharamshala, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Ulanbaatar, Taragay, Wadi Sarin, etc.









Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like J54A Appleton, STCO Saint Catharin, LCO Las Campanas, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like N51A Ashland, O48A Farmland, M55A Ridgway, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like T46A Princeton, O53A Leroy, Q54A Wiedeman Farm, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Sevierville, Double B Far, Signal Mountai, etc.

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

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



JTS	JuntasAbangare	6.24 112	Pn	Pn	21 23 30.3	-0.5
JTS	JuntasAbangare	6.24 112	eP	Sn	21 24 41.5	+0.3
JTS	JuntasAbangare	6.24 112	eP	Sn	21 23 31.6	+0.8
JTS	JuntasAbangare	6.24 112	eP	Sn	21 24 40.8	-0.4
TEIG	Tipich	7.92 18	ePn	Pn	21 23 55.5	+1.8
TLIG	Tipa	8.90 304	ePn	Pn	21 24 10.9	+3.5
MTDJ	Mount Denham	13.97 65	ePn	Pn	21 25 15.6	-1.2
LNIG	Linares	14.64 327	ePn	Pn	21 25 27.7	+1.9
833A	Chaparral WMA	17.50 334	ePn	Pn	21 26 01.0	-1.5
833A	Chaparral WMA	17.50 334	P	Pn	21 26 04.4	+1.9
JCT	Junction City	19.57 336	eP	P	21 26 24.7	-1.5
252A	Lumpkin	20.05 15	P	P	21 26 32.2	+0.9
147A	Livingston	20.06 6	P	P	21 26 32.8	+1.3
148A	Greensboro	20.12 8	P	P	21 26 33.2	+1.1
149A	Jones	20.19 10	P	Pn	21 26 38.7	+3.8
SDV	Santo Domingo	20.21 99	P	P	21 26 33.3	-0.2
SDV	Santo Domingo	20.21 99	eP	P	21 26 33.9	+0.5
150A	Electic	20.34 12	P	P	21 26 35.4	+0.9
151A	Opelika	20.41 13	P	P	21 26 36.0	+0.7
TX31	Lajitas Ar. Si	20.42 326	eP	Pn	21 26 39.6	+1.8
TXAR	Lajitas Array	20.42 326	P	P	21 26 38.8	+3.2
LRAL	Lakeview Retre	20.58 9	eP	Pn	21 26 41.7	+2.2
LRAL	Lakeview Retre	20.58 9	P	P	21 26 38.6	+1.5
152A	Waverly Hall	20.69 15	eP	P	21 26 39.0	+0.6
152A	Waverly Hall	20.69 15	P	P	21 26 39.2	+0.9
Z49A	Columbiana	20.82 10	P	P	21 26 41.0	+1.3
Z50A	Ashland	20.99 12	eP	P	21 26 42.4	+0.8
Z50A	Ashland	20.99 12	P	P	21 26 42.4	+1.1
WLAR	White Oak Lake	21.03 355	eP	P	21 26 43.2	+1.2
Z51A	Franklin	21.20 13	P	P	21 26 45.4	+1.6
Z52A	Williamson	21.26 15	P	P	21 26 45.2	+0.7
155A	Kite	21.30 20	P	P	21 26 45.0	+0.1
Y48A	Jasper	21.42 8	P	P	21 26 47.3	+1.1
ABTX	Abilene, Hawle	21.44 339	eP	P	21 26 47.4	+1.0
ABTX	Abilene, Hawle	21.44 339	P	P	21 26 47.6	+1.2
Y49A	Blount Mountai	21.48 10	eP	P	21 26 48.0	+1.1
Y49A	Blount Mountai	21.48 10	P	P	21 26 47.5	+0.7
Z53A	Monticello	21.57 17	P	P	21 26 48.0	+0.1
Y50A	Piedmont	21.64 12	P	P	21 26 49.0	+0.5
GOGA	Godfrey	21.73 17	P	P	21 26 49.0	-0.4
Z54A	Sparta	21.75 18	P	P	21 26 49.9	+0.2
Y51A	Rockmart	21.79 13	P	P	21 26 50.8	+0.6
OXF	Oxford	21.79 3	P	P	21 26 51.2	+1.0
X46A	Basin Creek Fa	21.80 356	P	P	21 26 51.1	+0.9
X40A	Booneville	21.89 5	P	P	21 26 51.9	+0.7
MIAR	Mount Ida	21.93 354	eP	P	21 26 51.3	-0.3
MIAR	Mount Ida	21.93 354	P	P	21 26 51.8	+0.2
X47A	Russelville	21.93 7	P	P	21 26 52.0	+0.4
X48A	Hartselle	21.97 8	eP	P	21 26 52.9	+0.8
X48A	Hartselle	21.97 8	P	P	21 26 52.2	+0.2
Y52A	Libburn	21.99 15	eP	P	21 26 52.7	+0.4
Y52A	Libburn	21.99 15	P	P	21 26 52.1	-0.3
Y53A	Monroe	22.11 16	P	P	21 26 53.7	+0.1
X49A	Woodville	22.14 10	P	P	21 26 54.5	+0.6
X50B	Fort Payne	22.21 11	P	P	21 26 55.0	+0.3
X37A	Clayton	22.21 350	eP	P	21 26 56.5	+1.8
158A	Hollywood	22.24 24	P	P	21 26 54.4	-0.6
Y54A	Tignall	22.38 18	P	P	21 26 56.2	-0.3
W41B	Gary Mavity, V	22.45 357	eP	P	21 26 56.4	-0.8
W41B	Gary Mavity, V	22.45 357	P	P	21 26 57.6	+0.4
X51A	Calhoun	22.48 13	P	P	21 26 57.2	-0.3
WHAR	Woolly Hollow	22.57 357	eP	P	21 26 58.8	+0.3
W39A	Magazine	22.59 354	eP	P	21 26 59.0	+0.3
W39A	Magazine	22.59 354	P	P	21 26 58.5	-0.3
W48A	Pulaski	22.66 8	P	P	21 26 59.4	0.0
W47A	Westpoint	22.68 7	P	P	21 26 59.2	-0.5
Y55A	Saluda	22.71 20	P	P	21 26 58.8	-1.1
X52A	Dahlonega	22.74 15	P	P	21 27 00.0	-0.3
W49A	Belvidere	22.74 10	P	P	21 27 00.3	0.0
X53A	Estanolee	22.80 16	P	P	21 27 00.4	-0.5
SWET	Sewanee	22.89 10	eP	P	21 27 02.4	+0.4
W50A	Signal Mountai	22.99 12	eP	P	21 27 02.6	-0.4
W50A	Signal Mountai	22.99 12	P	P	21 27 03.1	+0.2
Z59A	Georgetown, SC	23.05 25	P	P	21 27 02.2	-1.3
W51A	Cleveland	23.07 13	P	P	21 27 03.4	-0.3
X54A	Belton	23.11 18	P	P	21 27 03.0	-1.1
V46A	Holladay	23.17 6	P	P	21 27 04.7	0.0
MNTX	Cornudas Mount	23.19 327	eP	P	21 27 07.2	+2.2
MNTX	Cornudas Mount	23.19 327	P	P	21 27 06.9	+1.9
W52A	Murphy	23.20 15	P	P	21 27 04.5	-0.5
JSC	Jenkinsville	23.22 20	eP	P	21 27 01.1	-4.2
V47A	Nunnelly	23.26 7	P	P	21 27 04.8	-0.8
V48A	Smith Brothers	23.26 8	eP	P	21 27 05.8	+0.1
V48A	Smith Brothers	23.26 8	P	P	21 27 05.6	-0.1
X55A	Gracelyn & Ava	23.27 20	P	P	21 27 05.2	-0.5
Y57A	Sumter	23.30 22	P	P	21 27 05.6	-0.4
CPCT	Cooper Cave	23.40 13	eP	P	21 27 07.2	+0.2

V49A	McMinnville	23.43 10	P	P	21 27 06.7	-0.6
V50A	Pikeville	23.49 12	P	P	21 27 07.1	-0.7
WVT	Waverly	23.52 6	eP	P	21 27 08.3	+0.1
WVT	Waverly	23.52 6	P	P	21 27 07.9	-0.2
TUL1	Leonard	23.57 350	P	P	21 27 08.7	0.0
U41A	Viola	23.60 358	P	P	21 27 08.9	-0.1
U40A	Yellville	23.66 356	P	P	21 27 09.8	+0.3
W54A	Cherokee Point	23.66 18	P	P	21 27 08.6	-1.0
HHAR	Hobbs	23.68 354	eP	P	21 27 09.4	-0.4
U46A	Springville	23.72 5	P	P	21 27 09.6	-0.4
TKL	Tuckaleechee C	23.77 14	eP	P	21 27 10.4	+0.1
V51A	Loudon	23.78 13	P	P	21 27 10.7	+0.1
U47A	Clarksville	23.89 7	P	P	21 27 11.2	-0.5
KMSC	Kings Mountain	23.98 19	P	P	21 27 11.3	-1.3
V52A	Sevierville	23.99 15	eP	P	21 27 12.5	0.1
V52A	Sevierville	23.99 15	P	P	21 27 12.0	-0.6
V53A	Saluda	24.03 16	P	P	21 27 12.4	-0.7
U48A	Cassie Pea, Po	24.06 9	P	P	21 27 13.0	-0.3
U49A	Red Boiling Sp	24.18 10	P	P	21 27 13.9	-0.6
AMTX	Amarillo	24.20 338	P	P	21 27 14.3	-0.5
W56A	Indio Trail	24.23 21	P	P	21 27 13.5	-1.3
U50A	Jamestown	24.26 12	P	P	21 27 14.6	-0.5
V54A	Nebo	24.38 18	P	P	21 27 14.8	-1.5
U51A	La Follette	24.40 13	P	P	21 27 16.3	-0.2
T46A	Princeton	24.42 6	P	P	21 27 15.8	-0.8
T47A	Sharon Grove	24.45 7	eP	P	21 27 17.1	+0.2
T47A	Sharon Grove	24.45 7	P	P	21 27 16.5	-0.4
W57A	Gilead	24.46 22	P	P	21 27 15.6	-1.3
U52A	Thorn Hill	24.57 15	P	P	21 27 17.2	-0.8
W58A	Raeford	24.62 23	P	P	21 27 17.6	-0.8
T48A	Bowling Green	24.67 9	P	P	21 27 18.2	-0.7
V55A	Taylorsville	24.67 19	P	P	21 27 17.4	-1.5
X60A	Albert Glenn T	24.75 26	P	P	21 27 18.2	-1.4
T49A	Edmonton	24.80 10	eP	P	21 27 19.9	-0.1
T49A	Edmonton	24.80 10	P	P	21 27 19.8	-0.2
S41A	Jilico Farms,	24.83 358	P	P	21 27 20.4	+0.1
T50A	Nancy	24.85 12	P	P	21 27 20.2	-0.2
S46A	Don Dixon Farm	25.08 6	P	P	21 27 22.5	+0.1
S47A	Hartford	25.08 7	P	P	21 27 22.5	0.0
V57A	Coltrane Farms	25.19 21	P	P	21 27 22.6	-1.0
S48A	Wiedeman Farm,	25.26 9	P	P	21 27 23.9	-0.2
CCM	Cathedral Cave	25.29 359	eP	P	21 27 23.7	-0.8
CCM	Cathedral Cave	25.29 359	P	P	21 27 24.1	-0.3
USIN	University of	25.36 6	eP	P	21 27 25.5	+0.5
S49A	Springfield	25.51 10	P	P	21 27 25.7	-0.7
R41A	Rosebud	25.54 359	P	P	21 27 26.8	+0.1
R45A	Skyler, Fairir	25.63 5	P	P	21 27 26.8	-0.7
S51A	Beattyville	25.71 13	P	P	21 27 27.4	-0.8
WCI	Wyandotte Cave	25.78 8	eP	P	21 27 28.7	-0.2
WCI	Wyandotte Cave	25.78 8	P	P	21 27 29.0	0.0
R47A	Wooly Knot Far	25.82 8	P	P	21 27 29.2	0.0
R48A	Northridge Ran	26.01 9	P	P	21 27 31.1	+0.1
R49A	Shelbyville	26.02 10	P	P	21 27 30.8	-0.3
R50A	Paris	26.17 12	P	P	21 27 32.2	-0.3
Q41A	Truxton	26.19 359	P	P	21 27 32.6	0.0
Q45A	Warren Harvey,	26.24 5	P	P	21 27 32.8	-0.2
R51A	Hillsboro	26.34 13	P	P	21 27 33.8	-0.2
Q47A	Bedord North L	26.46 8	P	P	21 27 35.0	-0.1
Q48A	North Vernon	26.55 9	P	P	21 27 35.8	-0.1
T58A	Grand View Acr	26.59 22	P	P	21 27 35.2	-1.0
Q50A	Georgetown	26.78 12	P	P	21 27 37.6	-0.3
T59A	Double "B" Far	26.99 24	P	P	21 27 38.7	-1.1
P47A	Martinsville	27.02 8	P	P	21 27 40.0	-0.1
Q51A	Peebles	27.09 13	P	P	21 27 40.2	-0.5
P48A	Milroy	27.12 9	P	P	21 27 40.7	-0.3
P49A	Miami Univ. Ec	27.31 10	P	P	21 27 42.2	-0.5
P50A	Jamestown	27.55 12	P	P	21 27 44.7	-0.2
Q45A	Potomac	27.62 5	P	P	21 27 44.7	-0.7
Q54A	Coxs Mills	27.68 17	P	P	21 27 45.4	-0.6
R58B	Mineral	27.73 22	P	P	21 27 45.5	-0.9
Q47A	Sheridan	27.77 8	P	P	21 27 46.1	-0.7
HDIL	Hopedale	27.82 3	P	P	21 27 47.1	-0.1
N41A	Harden Midland	27.94 360	P	P	21 27 48.4	-0.1
Q48A	Farmland	27.94 9	P	P		

















Table with columns: PPT, Station Name, Time, Res, and other details. Includes stations like Papeete, PPT2, PPT2, etc.

Table with columns: ILAR, Station Name, Time, Res, and other details. Includes stations like ILAR, ILB, IM3, etc.

Table with columns: H10S2, Station Name, Time, Res, and other details. Includes stations like H10S2 ASCENSION HYDR47.95, H10S3, etc.

DDA 09 02:53:08.7, 41.38N; 43.87E, h7km, 1km, ML2.6
ISK 09 02:53:08.7, 41.42N; 43.85E, h5km, ML2.15
TIF 09 02:53:08.2, 41.37N; 43.89E, h4km, 1km
ISCBJ 09 02:53:11.0, 0.4, 41.36N; 03.43E, 0.03, h33km, Error ellipse: s-maj=5.0km s-min=5.5km az=59.8



Table with columns: KARP, Karpathos, 3.49 105 ePn, Pn, 03 37 21.7 +1.2, etc. Includes various chess players and their ratings.

Table with columns: ULC, PHSR, MATC, MATC, SLVT, etc. Includes various chess players and their ratings.

Table with columns: HNTI, DQRL, BIZ, ZAG, BOJS, etc. Includes various chess players and their ratings.

Table with columns: baz=138, HNTI, Hanita, 10.56 105 Pn, Pn, 03 38 56.4 -1.1, etc. Includes various chess players and their ratings.



9d 3h

2013 APR

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FI40			e	P	03 45 24.1
FINES	FINES Array B	25.04	3 P	P	03 41 48.5 -1.4
	comp-Z,4.3nm,0.5s,baz=161,slow=11,SNR=39				
FINES			PcP	PcP	03 45 24.1 -0.0
	comp-Z,2.3nm,0.4s,baz=187,slow=2,1,SNR=53				
FINES			ScP	ScP	03 49 01.2 -1.0
	comp-Z,6.8nm,0.9s,baz=116,slow=4,4,SNR=93				
FINES			LR	LR	03 52 27.2
	comp-Z,2.96nm,20.0s,baz=186,slow=38				
FI1	FINES Array S	25.04	3 eP	P	03 41 48.5 -1.4
FNCL	Nicolau / Grran	25.03	283 eP	P	03 41 51.2 +0.7
	comp-Z,6.6nm,2.1s				
AVE	Averroes	25.11 272	eP	P	03 41 51.0 +0.2
AVE	Averroes	25.11 272	eP	P	03 41 52.1 +1.3
PTEO	Sao Teotônio	25.10 282	eP	P	03 41 53.0 +0.5
	comp-Z,7.6nm,2.0s				
PTEO			eP	sP	03 41 59.4 -0.7
BL55	Blasio	25.33 340	eP	P	03 41 53.2 +0.6
NC602	NORSAR Array S	25.34 347	eP	P	03 41 51.7 -0.8
	comp-Z,1.1nm,0.8s				
NC602	NORSAR Array S	25.34 347	eP	P	03 41 52.4 -0.2
	comp-Z,1.1nm,0.8s				
PFVI	Vila Bisbo	25.44 281	eP	P	03 41 58.1 +1.4
	comp-Z,7.9nm,1.9s				
PFVI	Vila Bisbo	25.44 281	eP	P	03 41 53.3 -0.5
	comp-Z,3.0nm,1.0s				
KESW	Keswick, Cumb	25.49 323	eP	IAMB	03 41 53.5 -0.4
KESW			IAMB	IAMB	03 41 56.2
	comp-Z,5.8nm,1.0s				
KMY	Karmoy	25.50 339	eP	P	03 41 55.0 +1.0
KMY			eP	pP	03 42 00.1 +0.6
NA001	NORSAR Array S	25.56 346	eP	P	03 41 54.0 -0.6
	comp-Z,2.5nm,0.6s				
NC405	NORSAR Array S	25.66 347	eP	P	03 41 54.4 -1.1
	comp-Z,2.1nm,0.6s				
NB201	NORSAR Array S	25.67 347	eP	P	03 41 54.9 -0.8
	comp-Z,3.2nm,0.6s				
NB2	NORSAR Subarra	25.68 347	P	P	03 41 54.7 -1.0
	comp-Z,7.8nm,0.6s,baz=159,slow=9.3,SNR=85				
NB2	NORSAR Subarra	25.68 347	P	P	03 41 54.7 -1.0
	comp-Z,7.8nm,0.6s,baz=159,slow=9.3,SNR=85				
NOA	NORSAR Array B	25.68 347	P	P	03 41 54.1 -1.6
	comp-Z,2.9nm,0.5s,baz=156,slow=9.3,SNR=40				
NOA			ScP	ScP	03 49 03.3 -0.9
	comp-Z,5.6nm,1.1s,baz=137,slow=3.2,SNR=3.7				
NOA			LR	LR	03 53 13.7
	comp-Z,2.32nm,19.9s,baz=165,slow=39				
ODD1	Odia	25.70 341	eP	P	03 41 56.6 +0.7
NB000	NORSAR Array S	25.75 346	eP	P	03 41 56.0 -0.4
	comp-Z,2.1nm,0.6s				
NC303	NORSAR Array S	25.82 347	eP	P	03 41 57.0 0.0
	comp-Z,2.6nm,0.8s				
EKA	Eskdalemuir Ar	25.94 325	P	P	03 41 58.4 +0.3
	comp-Z,5.0nm,0.6s,baz=124,slow=9.3,SNR=85				
EKA			ScP	ScP	03 49 04.1 -0.8
	comp-Z,1.5nm,0.8s,baz=120,slow=4.2,SNR=9.6				
ESK	Eskdalemuir	25.95 325	eP	P	03 41 58.9 +0.7
	comp-Z,1.26nm,0.7s				
ESK	Eskdalemuir	25.95 325	eP	P	03 41 58.5 +0.3
ESK	Eskdalemuir	25.95 325	eP	P	03 41 58.9 +0.7
ESK			pmax	pmax	
	comp-Z,1.26nm,0.7s				
SKAR	Skarslia	25.96 343	eP	P	03 41 58.9 +0.6
SKAR			eP	pP	03 42 04.5 +0.6
NC204	NORSAR Array S	25.98 346	eP	P	03 41 59.2 +0.7
	comp-Z,1.9nm,0.7s				
ESY	Stoneyath	26.04 326	eP	P	03 41 59.5 +0.5
EBL	Broad Lax	26.15 326	eP	P	03 42 00.3 +0.3
EDI	Edinburgh	26.30 326	eP	P	03 42 01.7 +0.3
GALI	Galloway	26.42 323	eP	IAMB	03 42 02.1 -0.3
GALI			IAMB	IAMB	03 42 07.1
	comp-Z,1.6nm,0.9s				
BER	Bergen	26.45 340	eP	P	03 42 03.2 +0.6
BER			eP	sP	03 42 09.1 -1.2
DSB	Dublin	26.46 319	eP	P	03 42 02.3 -0.5
	comp-Z,5.8nm,1.1s				
KLMR	Klimovskoe	26.54 18	eP	P	03 42 01.9 -1.5
KLMR			pmax	pmax	03 42 01.9 -1.5
	comp-Z,3.5nm,1.0s				
KLMR	Klimovskoe	26.54 18	eP	P	03 42 01.9 -1.5
KLMR			AMP	AMP	03 42 14.1
	comp-Z,3.5nm,1.0s				
ASK	Askoy	26.57 340	eP	P	03 42 04.7 +1.0
ASK			eP	sP	03 42 09.9 -1.5
EDU	Dundee	26.61 327	eP	P	03 42 05.2 +1.1
HYA	Hoyanger	26.89 342	eP	P	03 42 07.2 +0.7
HYA			eP	sP	03 42 13.1 -1.2
EAB	Aberfoyle	26.98 326	eP	P	03 42 07.1 -0.4
INVG	Invergoldie, C	26.99 326	eP	P	03 42 07.8 +0.2
INVG			IAMB	IAMB	03 42 12.7
	comp-Z,6.9nm,1.1s				
DOMB	Doombas	27.02 346	eP	P	03 42 08.5 +0.7
DOMB			eP	pP	03 42 13.8 +0.5
LAWE	Loch Awe, Argy	27.51 325	eP	P	03 42 11.7 -0.5
AKN	Aaknes	27.58 344	eP	P	03 42 12.0 -0.8
GEYT	Alibeck	27.89 76	P	P	03 42 16.3 +0.3
	comp-Z,2.2nm,0.8s,baz=294,slow=7.4,SNR=13				
GEYT			LR	LR	03 56 50.6
	comp-Z,1.19nm,18.2s,baz=295,slow=44				
GYA0B	ALIBECK ARRAY	27.89 76	P	P	03 42 16.2 +0.3
	comp-Z,4.0nm,1.0s				
TBLU	Trondheim	27.90 348	eP	P	03 42 17.5 +1.8
KIRV	Kirov	28.05 30	P	P	03 42 16.8 -0.2
	comp-Z,2.22nm,0.5s,baz=266,slow=2.6,SNR=4.8				
KIRV			LR	LR	03 53 58.4
	comp-Z,10.1nm,21.1s,baz=14,slow=38				
BIGH	Upper Bighouse	28.20 330	eP	P	03 42 17.9 -0.5
LRW	Lerwick	28.29 334	eP	P	03 42 18.8 -0.3
LRW			IAMB	IAMB	03 42 20.3
	comp-Z,1.8nm,0.6s				
AKTO	Aktuyubinsk	28.67 50	P	P	03 42 21.3 -1.3
	comp-Z,2.7nm,0.5s,baz=294,slow=7.5,SNR=11				
AKTO			LR	LR	03 55 22.9
	comp-Z,6.3nm,21.2s,baz=280,slow=40				
NSS	Namsos	28.84 350	eP	P	03 42 23.8 -0.2
PRGR	Permogore	28.89 22	eP	P	03 42 21.3 -3.1
PRGR			eS	eS	03 47 09.8 -3.9
PRGR			pmax	pmax	
	comp-Z,2.2nm,0.8s				
AB31	Akbulak array	29.61 53	eP	P	03 42 29.5 -1.5
AB31			pmax	pmax	
	comp-Z,4.0nm,0.7s				
ABKAR	Akbulak array	29.61 53	eP	P	03 42 29.8 -1.2
	comp-Z,3.6nm,1.1s				
ASUD	Al Ashudh, Dub	30.10 104	P	P	03 42 36.0 +0.4
TOA1	Torodi Ar. Sit	30.11 225	eP	P	03 42 34.0 -1.7
TOA1			eP	pP	03 45 36.1 -1.1
TOA1			eScP	ScP	03 49 19.6 +1.2
TOA0	Torodi Ar. Sit	30.11 225	eP	P	03 42 36.0 +0.2
	comp-Z,1.3nm,0.7s				
TORD	Torodi Ar. Bea	30.11 225	P	P	03 42 34.0 -1.7
	comp-Z,1.0nm,0.2s,baz=38,slow=7.8,SNR=94				
TORD			PcP	PcP	03 45 36.1 -1.1
	comp-Z,1.5nm,0.6s,baz=25,slow=3.6,SNR=6.4				
TORD			ScP	ScP	03 49 19.6 +1.2
	comp-Z,1.2nm,0.9s,baz=335,slow=6.4,SNR=3.9				
MOR8	Mol Rana	30.13 353	eP	P	03 42 36.6 +1.2
NAZ	Nazwa, Dubai	30.18 103	iP	P	03 42 36.6 +0.3
	SNR=10				
FAQ	Al Faga, Dubai	30.24 104	iP	P	03 42 36.8 -0.1
	SNR=5				
MDH	Madha	30.52 102	P	P	03 42 39.7 +0.4
KONS	Konsvik	30.59 102	P	P	03 42 40.6 +1.2
HATD	Hatta, Dubai	30.63 103	iP	P	03 42 40.7 +0.5
	SNR=7.8				
ASHO	Ashiyah	30.64 103	iP	P	03 42 40.3 -0.1
	SNR=9.3				
ALNE	Al Ain	30.72 105	iP	P	03 42 41.3 +0.2
ARU	Arti	31.05 39	eP	P	03 42 42.2 -1.4
ARU	Arti	31.05 39	eP	P	03 42 42.6 -1.1
ARU			S	S	03 43 40.3
ARU			S	S	03 47 48.6 +0.8
ARU			S	S	03 49 27.2 -1.8
	comp-Z,7.0nm,0.7s				
SOHO	SOHO	31.29 104	P	P	03 42 46.1 0.0
	SNR=10				
STEI	Steigen	31.78 354	eP	P	03 42 50.5 +0.5
STEI			eP	sP	03 42 56.3 -1.4
SVE	Lofoten	32.13 353	eP	P	03 42 53.5 +0.5
SVE	Sverdlövsk	32.27 391	eP	P	03 42 53.7 -0.6
	comp-Z,2.6nm,0.8s				

KTK1	Kautokeino	32.57	0 eP	P	03 42 57.4 +0.6
KTK1			eP	P	03 43 03.5 -1.1
ARA0	ARCESS Array S	33.12	2 eP	P	03 43 00.2 -1.5
ARA0			eP	P	03 45 43.4 -1.0
ARA0			P	P	03 43 00.2 -1.5
ARCES	ARCESS Array B	33.12	2 eP	P	03 45 43.4 -1.0
	comp-Z,1.4nm,0.4s,baz=178,slow=9.1,SNR=25				
ARCES			PcP	PcP	03 45 43.4 -1.0
	comp-Z,3.6nm,0.8s,baz=163,slow=3.4,SNR=4.0				
ARE0	ARCESS Array S	33.12	2 eP	P	03 43 02.4 +0.7
TRO	Tromso	33.26 357	eP	P	03 43 03.6 +0.8
	comp-Z,1.4nm,0.4s				
TRIO			eP	P	03 43 09.2 -1.4
TRIO			P	P	03 43 11.5 +0.4
HAMF	Hammferrest	34.21	0 eP	P	03 43 31.9 -0.5
BRVK	Borovoye	36.66	48 eP	P	03 43 32.1 -0.3
BRVK			pmax	pmax	
	comp-Z,9.0nm,1.0s				
BRVK	Borovoye	36.66	48	P	03 43 32.2 -0.3
	SNR=5.1				
KK31	Karatay Array	36.68	65 eP	P	03 43 32.3 -0.5
	comp-Z,1.4nm,0.6s				
KK31	Karatay Array	36.68	65 eP	P	03 43 32.3 -0.5
KK31			pmax	pmax	
	comp-Z,1.4nm,0.6s				
KKAR	Karatay Array	36.68	65 eP	P	03 43 32.3 -0.5
KKAR			pmax	pmax	
	comp-Z,1.4nm,0.6s				
BVAR	Borovoye	36.72	48	P	03 43 32.1 -0.8
	comp-Z,4.7nm,0.7s,baz=267,slow=5.9,SNR=20				
KBL	Kabul	37.24	79 eP	P	03 43 38.3 +0.4
	comp-Z,1.5nm,0.8s				
KBL	Kabul	37.24	79 eP	P	





Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like K40A Colesburg, L41A Preston, N43A Stutzman Famil, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like 556A Lake Butler, V46A Holladay, V43A Fulton Ridge, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like ASAR, AS31 Alice Springs, AS01 Alice Springs, etc.

IDC 09 03:39:39.9, 0.9, 3.27S: 138.35E, h0km, mb3.9/6, mb1 4.2/12, mb1mx4.0/32, mbtmp4.1/12, ML4.0/4, MS3.0/2, Ms1 3.0/2, ms1mx2.6/25, Error ellipse: s-maj=20.0km

ISCJB 09 03:39:42.7, 0.4, 3.39S: 0.04, 138.26E, 0.04, h35km, mb4.5/1, Error ellipse: s-maj=5.7km s-min=5.5km az=39.0 NEIC 09 03:39:43.8, 2.5, 3.29S: 138.24E, h30km, 8km, mb4.4/15, Error ellipse: s-maj=16.6km s-min=6.1km az=188.0

DJA 09 03:39:43.8, 0.4, 4.4S: 6.13E, h10km, M4.5/3, mb4.6/3, MLV4.5/3

ISC 09 03:39:44.0, 5.3, 3.43S: 0.06, 138.25E, 0.06, h35km, n36, a192/39, lr192

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, H, S, I, C. Includes stations like GENI Genyem, JAY Jayapura, W46A Michie, etc.

IDC 09 03:45:53.7, 5.9, 4.53N: 30.45W, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/38, mbtmp3.5/4, Error ellipse: s-maj=159.1km s-min=47.6km az=10.0, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, T, Time, Res, H, S, I, C. Includes stations like H10N3 ASCENSION HYDR20.11 128, H10N2 ASCENSION HYDR20.11 128, etc.

ISCJB 09 03:46:43.5, 0.4, 2.87N: 0.09, 31.15W, 0.06, h10km, mb4.4/31, MS3.9/7, Error ellipse: s-maj=13.0km s-min=8.2km az=161.5

IDC 09 03:46:44.0, 0.6, 2.95N: 31.22W, h0km, mb4.1/20, mb1 4.2/20, mb1mx4.1/38, mbtmp4.1/20, MS3.8/7, Ms1 3.9/7, ms1mx3.8/14, Error ellipse: s-maj=19.4km s-min=13.0km az=148.0

NEIC 09 03:46:45.6, 1.5, 2.93N: 31.21W, h10km, 2km, mb4.8/18, Error ellipse: s-maj=16.0km s-min=9.3km az=208.0 WKW4.8/72, Moment Tensor Solution, s16:c16; s72:c90; M4.0:0.22; M4.0:0.24; Best double couple: M11.86300x1016 NP1:0.322.00000, 0.861.00000, lambda-111.00000. NP2:

0180.00000°, 835.00000°, 1-58.00000°. Principal axes: T 1.5410, Plg14.0000°, Azm67.0000°, N 0.6400, Plg18.0000°, Azm332.0000°, P -2.1850, Plg67.0000°, Azm192.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 09 03:46:45.3-0.5, 2.9N, 0.1-1.3121W, 0.08, h10km, n54, 0113/44, mb4.4/31, MS4.1/7, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like H10N3 ASCENSION HYDR19.79 123, H10N2 ASCENSION HYDR19.79 123, etc.

ISC 09 04:22:53.1-6.6, 50.17S, 119.76E, h0km, mb3.5/2, mb1 3.7/2, mb1mx3.4/1, mbtmp3.5/2, Error ellipse: s-maj=631.5km s-min=73.0km az=109.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like H01W2 Cape Leeuwin H 15.81 343, H01W1 Cape Leeuwin H 15.81 343, etc.

MEX 09 04:40:26.4-0.9, 14.33N, 92.79W, h16km, 111km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like THIG 0.77 41 eP, THIG 0.40 48.8 -2.8, etc.

M=2.95t, 1.6; M=2.62t, 1.2; M=0.12t, 2t; M=1.46t, 1.1; M=0.21t, 2.1; Best double couple; M=3.15400, 1016 NP1=211.00000°, 889.00000°, 1-176.00000°. NP2: 0=121.00000°, 886.00000°, 1-1.00000°. Principal axes: T 3.3170, Plg3.0000°, Azm346.0000°, N -0.3250, Plg85.0000°, Azm221.0000°; P -2.9910, Plg4.0000°, Azm76.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 09 04:47:09.6-0.6, 56.2S, 0.1x142.3W, 0.1, h10km, n75, 0115/20, mb4.6/19, MS4.1/18, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like SBA Scott Base 27.77 201 eP, Vnda Vanda 26.67 202 eP, etc.

ZAA1 Zalesovo Array 153.254 285 ePKPbc PKPbc 05 07 05.9 -0.8 ZAA1 ePKPab PKPab 05 07 18.3 -0.5 BRVK Borovoye 160.98 274 ePKPab PKPab 05 07 57.1 -0.1

ISC 09 05:14:46.5-2.9, 38.62S, 93.57W, h0km, mb3.9/7, mb1 4.1/8, mb1mx3.9/31, mbtmp3.8/8, ML3.3/1, MS3.5/2, Ms1 3.5/2, ms1mx3.1/18, Error ellipse: s-maj=72.7km s-min=26.8km az=19.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like PASO Paso Flores 17.82 104 Op, NNA Nana 30.48 34 LR, etc.

ISC 09 05:16:15.9-1.1, 16.70S, 176.37W, h0km, mb3.6/5, mb1 3.9/5, mb1mx3.7/42, mbtmp3.6/5, Error ellipse: s-maj=53.3km s-min=30.2km az=129.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like ASAR Alice Springs 47.00 253 P, Vnda Vanda 61.81 151 P, etc.

ISC 09 05:18:40.0-0.8, 11.77S, 177.07E, h0km, mb4.0/8, mb1 4.1/9, mb1mx3.9/36, mbtmp4.0/9, ML4.1/1, MS3.2/5, Ms1 3.2/5, ms1mx3.0/37, Error ellipse: s-maj=40.8km s-min=21.0km az=127.0

ISC 09 05:18:42.4-0.8, 11.65S, 0.09, 165.1E, 0.2, h34km, n117, 0118/12, mb3.9/9, MS3.4/3, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like HNR Honiara 5.48 293 LR, DZM Mont Dzumac 10.45 173 Pn, etc.

ISC 09 05:22:32.0-0.3, 40.26N, 0.02-121.52W, 0.03, h10km, Error ellipse: s-maj=4.3km s-min=2.4km az=135.2

NEIC 09 05:22:32.0-0.3, 40.30N, 121.46W, h12km, MD2.9 (NCEDC), After NCEDC

NEIC Felt [I] at Mineral, ANF 09 05:22:32.0-0.3, 40.29N, 121.56W, h21km, 4km, ML2.8/6, Error ellipse: s-maj=8.9km s-min=3.1km az=111.0

NEIC 09 05:22:32.0-0.3, 40.30N, 121.46W, h12km, Error ellipse: s-maj=3.2km s-min=1.0km az=129.0, 0.40, 27N, 0.03, 121.49W, 0.03, h12km, 8km, n30, 0194/45, Northern California

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Lists stations like 003E Paynes Creek 0.24 276 P, ORV Orville 1.71 181 ePg, etc.

9d 6h

Table with columns: YBH, KHMM, MOD, MCD, PNTR, JCC, L04D, L04D, YERR, WAKR, CMB, K05A, HUMO, RYN, KVN, WVOR, NV01, OMMS, J06A. Includes station names, coordinates, and various codes.

Table with columns: ZALV, ZALV, SONM, SONM, MKAR, MKAR, MKAR. Includes station names, coordinates, and various codes.

Table with columns: CJM, R15V, EZSV, EZSV, MMIG, MMIG, MMIG. Includes station names, coordinates, and various codes.

Table with columns: CMIG, VHO, VHO, HUIG. Includes station names, coordinates, and various codes.

Table with columns: PUA, PUA, CJM, CJM, ANIG, ANIG, R15V, R15V, EZSV, EZSV, MMIG, MMIG. Includes station names, coordinates, and various codes.

Table with columns: WIZ, WIZ, WHRZ, OPRZ, OPRZ, MARZ, MARZ, HAZ, HAZ, RUGZ, RUGZ, EDZ, EDZ, URZ, URZ, LIRZ, LIRZ, MKRZ, MKRZ, OMRZ, OMRZ, MYRZ, MYRZ, TARZ, TARZ, MWZ, MWZ, KARZ, KARZ, PKGZ, PKGZ, RRRZ, RRRZ, HLRZ, HLRZ, TWGZ, TWGZ, MWGZ, MWGZ, ALRZ, ALRZ, RIGZ, RIGZ, MTHZ, MTHZ, TOZ, TOZ, RAHZ, RAHZ, PRZ, PRZ, KNRZ, KNRZ, NMHZ, NMHZ, HATZ, HATZ, BKZ, BKZ, MKAZ, MKAZ, ARHZ, ARHZ, MHGZ, MHGZ, WIAZ, WIAZ, MCHZ, MCHZ, KWHZ, KWHZ, GRZ, GRZ, MBZ, MBZ, TUZ, TUZ, BHZ, BHZ, MOVZ, MOVZ. Includes station names, coordinates, and various codes.

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Table with columns: KRHZ, PNHZ, WZC, WZC, BUZ, BUZ. Includes station names, coordinates, and various codes.

Table with columns: JAY, JAY, FAKI, FAKI, SIJ, SIJ, SIJ, SIJ, MTN, PMG, PMG, COEN, WRAB, WRAB, WB2, WB2, WR1, WR1, WRA, WRA, WRA, FITZ, FITZ, FITZ, FITZ, CTA, CTA, AS31, ASAR, ASAR, ASAR, STKA, SONA, SONM, MK32, MKAR, KDJ, KDJ, KDJ, KDJ, ILAR, YKA, YKA, TORZ, TORZ, TOA1, CPUP, LPAZ. Includes station names, coordinates, and various codes.

AUST 09 06:14:57.3.0.0, 30'26'S-138'38'E, h0km, Error ellipse:

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names, coordinates, and various codes.

ROM 09 06:15:22.9.0.3, 43'18'0N-0'009-12'51'9E, 0'007, h9km, 1km, ML1.3/2, Error ellipse: s-maj=1.0km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names, coordinates, and various codes.

Table with columns: FOSV, ATVO, ATVO, ATVO. Includes station names, coordinates, and various codes.

ISCJB 09 06:16:27.6.0.4, 37'88N-0'02-2'40E, 0'03, h74km, 14km, Error ellipse: s-maj=4.3km s-min=3.2km az=43.5

MDD 09 06:16:28.5.1.2, 37'77N-2'46E, h24km, 12km, mb4.3/16, Error ellipse: s-maj=5.7km s-min=4.5km az=117.0, PRXIMO

CRAAG 09 06:16:28.9.3, 37'46N-2'68E, M13.0, LDG 09 06:16:29.0.2, 37'78N-2'48E, h19km, M13.0, 1/15, Error ellipse: s-maj=4.7km s-min=2.7km az=140.0

ISC 09 06:16:26.4.1.5, 37'80N-0'04-2'55E, 0'03, h30km, 17km, n75, a222/126, 2.7, Western Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes station names, coordinates, and various codes.



Table with columns: P, MPOZ, Porto Moniz, M, 6.47 232, ePn, Pn, 06 54 33.7 +2.2, 06 55 37.2 -3.7, 06 55 56.0, 06 54 33.4 +1.7, 06 55 38.3 -3.0, 06 54 33.6 +1.5, 06 54 33.4 +1.7, 06 55 38.3 -3.0, 06 54 33.6 +1.5, 06 54 35.9 +3.4, 06 55 41.2 -1.6, 06 54 34.9 +1.7, 06 55 41.7 -2.4, 06 55 42.9 -4.6, 06 54 38.3 +1.8, 06 55 47.4 -2.5, 06 54 37.5 +1.0, 06 55 46.0 -3.9, 06 54 36.2 -2.3, 06 55 46.3 -7.3, 06 54 39.2 +0.2, 06 55 51.1 -3.2, 06 54 41.7 +2.5, 06 55 52.8 -1.9, 06 54 41.7 +0.9, 06 55 55.4 -2.2, 06 54 43.2 +2.1, 06 55 55.0 -3.0, 06 54 41.6 -1.5, 06 55 58.8 -2.9, 06 54 48.2 +1.1, 06 56 02.8 -6.1, 06 54 49.0 -2.3, 06 55 12.9 -3.5, 06 54 58.8 +1.7, 06 56 23.8 -3.1, 06 54 59.6 +2.1, 06 55 56.4 -3.0, 06 55 03.1 +1.8, 06 56 29.3 -5.1, 06 56 37.3 -5.5, 06 56 53.1 -4.5, 06 55 25.2 +2.7, 06 57 07.9 -4.5

Table with columns: VTS, Vitosh, 2.27 282, P, Pn, 07 00 02.1 +0.9, 07 00 02.1 +0.9, 07 00 30.0 +0.6, 07 00 01.4 +0.2, 07 00 01.8 +0.2, 07 00 01.9 +0.2, 07 00 30.4 +0.6, 07 00 37.8 -0.4, 07 00 03.2 +1.2, 07 00 04.2 -1.3, 07 00 38.4 +0.2, 07 00 00.0 -2.1, 07 00 03.2 +0.8, 07 00 06.0 -0.3, 07 00 03.1 +0.4, 07 00 23.9 +0.3, 07 00 04.7 -1.3, 07 00 42.6 +0.9, 07 00 04.6 +0.5, 07 00 07.8 -0.6, 07 00 45.5 +1.2, 07 00 08.7 -0.1, 07 00 05.1 +0.4, 07 00 06.9 +1.2, 07 00 07.9 +0.9, 07 00 09.6 +0.2, 07 00 48.1 +1.8, 07 00 01.1 +2.1, 07 00 47.7 +0.4, 07 00 10.6 +1.2, 07 00 43.4 -0.8, 07 00 10.7 +1.4, 07 00 10.7 +0.8, 07 00 15.3 -0.8, 07 00 11.3 0.0, 07 00 57.3 -2.7, 07 00 09.7 -2.3, 07 00 18.2 +2.6, 07 00 16.3 +0.6, 07 00 20.1 -2.4, 07 00 16.9 +0.9, 07 00 18.8 +2.5, 07 00 16.2 +1.2, 07 00 22.6 +2.0, 07 00 22.6 +1.8, 07 00 23.3 +2.3, 07 00 23.3 +0.9, 07 00 23.5 -0.2, 07 00 37.4 +1.7, 07 01 08.7 -3.5, 07 00 27.4 +1.5, 07 00 27.7 +0.1, 07 00 30.6 +0.4, 07 01 18.9 -2.7, 07 01 31.3 0.0, 07 01 26.6 -2.3, 07 00 35.0 +0.2, 07 01 27.3 -2.6, 07 00 35.9 +0.2, 07 01 17.4 +1.7, 07 00 38.1 0.0, 07 01 32.7 -2.9, 07 00 02.43.6.2.1, 6.9:0N-77:19W, h0km, mb3.7/4, mb1 4.0/6, mb1 mx3.6/28, mbimp3.8/6, ML2.7/2, MS3.0/3, Mst 3.0/3, ms1 mx2.6/30, Error ellipse: s-maj=63.3km s-min=-23.1km az=36.0, ISCJB 09 07:02:47.3.0.3, 6:77N:0:03:77:03W:0:02, h45km, 9km, mb3.8/4, MS2.9/1, Error ellipse: s-maj=5.7km s-min=3.9km az=130.1, RSNC 09 07:02:47.3.1.0, 6:76N:76:96W, h15km, 9km, ML3.4, Mw3.8, ISC 09 07:02:45.4:1.4, 6:78N:0:04:77:03W:0:03, h15km, 10km, n39, e1972/47, mb3.8/4, 3C, Near West coast of Colombia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, DDA 09 07:03:39.6, 42:25N-26:13E, h18km, 2km, ML3.9, ISK 09 07:03:41.5, 42:21N-26:28E, h5km, ML3.5/15, SOF 09 07:03:42.5, 42:27N-26:20E, h4km, MD3.3, THE 09 07:03:43.8, 42:13N-26:30E, h4km, 1km, MD3.3/7, Error ellipse: s-maj=1.7km s-min=0.8km az=42.0, ISCJB 09 07:03:45.3:0.2, 42:17N:0:02:26:27E:0.03, h33km, Error ellipse: s-maj=2.9km s-min=2.5km az=161.2, ISC 09 07:03:45.5:1.0, 42:21N:0:02:26:28E:0.02, h7km, 9km, n89, e107/115, 15C-15D, Bulgaria, JMB Yambol, 0.34 41 PG, 07 03 49.1 -0.1, JMB Yambol, 0.34 41 PG, 07 03 54.9 +0.7, EDRB Edirne, 0.50 136 PG, 07 03 52.1 0.0, EDRB Edirne, 0.50 136 PG, 07 03 58.9 +0.3, EDRB Edirne, 0.50 136 PG, 07 03 52.1 0.0, EDRB Edirne, 0.50 136 PG, 07 03 58.9 +0.3, DMI Dimitrograd, 0.58 254 PG, 07 03 53.3 -0.2, KIRK Kirkelari, 0.74 125 PG, 07 03 56.5 -0.2, KIRK Kirkelari, 0.74 125 PG, 07 03 06.5 +0.1, KDZ Kurdzhali, 0.85 229 eP, 07 04 00.0 +0.4, SZH Strazhica, 1.09 346 PG, 07 04 03.0 -0.6, PHSR Pinarhisar, 1.09 122 PG, 07 04 02.6 -0.9, PHSR Pinarhisar, 1.09 122 PG, 07 04 02.5 -0.9, PHSR Pinarhisar, 1.09 122 PG, 07 04 16.9 -0.7, PLD Plovdiv, 1.18 265 PG, 07 04 03.9 -1.2, ROIA ROIAK, 1.20 42 PG, 07 04 05.5 -0.1, RDO Rodhopi, 1.20 208 PG, 07 04 05.4 -0.1, RDO Rodhopi, 1.20 208 PG, 07 04 05.2 -0.3, RDO Rodhopi, 1.20 208 PG, 07 04 05.4 +0.5, PVL Pavlikeni, 1.23 326 PG, 07 04 05.8 -0.2, RZN Rozhen, 1.28 246 PG, 07 04 05.7 -1.3, PRD Provadia, 1.29 39 PG, 07 04 06.7 -0.1, ALN Alexandroupoli, 1.32 188 PG, 07 04 07.2 -0.1, ALN Alexandroupoli, 1.32 188 PG, 07 04 07.1 -0.2, ALN Alexandroupoli, 1.32 188 PG, 07 04 05.1 +0.3, ALN Edirne-Kesan, 1.42 168 PG, 07 04 08.9 -0.1, KESN Kesan, 1.42 168 PG, 07 04 28.2 +0.5, ENZ Tekirdag, 1.48 184 PG, 07 04 09.7 +0.3, KIRK Keskani-Kesan, 1.55 173 PG, 07 04 10.1 -0.3, ZMR Zimriye, 1.59 335 PG, 07 04 13.1 +0.1, PGB Panagyurishte, 1.60 183 PG, 07 04 11.2 -0.1, SART Sarti, 1.66 156 PG, 07 04 22.2 +1.1, SART Sarti, 1.66 156 PG, 07 04 35.3 +1.6, RKY Sarkoy-Tekirda, 1.66 156 PG, 07 04 12.2 +0.1, KTYL Yalikoy Yolu, 1.67 115 PG, 07 04 12.9 +0.7, CTVL Yalikoy Yolu, 1.67 115 PG, 07 04 34.5 +0.7, SLVT Silivri, 1.74 124 PG, 07 04 35.2 +0.1, KAVA Kavala, 1.80 228 PG, 07 04 33.9 0.0, GELI Geyikli, 1.82 175 PG, 07 04 38.1 +1.2, KAVR Kavrayir, 1.82 175 PG, 07 04 38.0 +1.2, SMTH Samothraki Isl, 1.83 198 PG, 07 04 14.5 +0.2, SMTH Samothraki Isl, 1.83 198 PG, 07 04 36.8 -0.9, LPK Lapseki, 1.87 169 PG, 07 04 14.9 0.0, CTKS Kestanelik-?a, 1.93 120 PG, 07 04 15.8 +0.1, ELBA Catalca, 1.93 123 PG, 07 04 16.0 +0.3, ELBA Catalca, 1.93 123 PG, 07 04 45.9 +1.5, KRBG Karabiga-Canak, 1.97 157 PG, 07 04 16.4 +0.2, THAS Thassos island, 1.99 217 PG, 07 04 16.9 +0.4, NVR Nevrokopi, 2.00 245 PG, 07 04 16.8 0.0, NVR Nevrokopi, 2.00 245 PG, 07 04 44.5 +0.1, MMB Musomiste, 2.00 253 eP, 07 04 16.9 +0.1, SGRG Singireni, 2.02 354 PG, 07 04 20.1 -1.2, SGRG Singireni, 2.02 354 PG, 07 04 48.9 +1.3, BGG Bogazkoy, 2.13 118 PG, 07 04 18.9 +0.5, ICOR In Corvin, 2.21 301 PG, 07 04 23.0 +0.3, EDC Edinick, 2.21 147 PG, 07 04 19.9 +0.3, VLAD Vladia, 2.25 323 PG, 07 04 22.2 -1.3, VLAD Vladia, 2.25 323 PG, 07 04 51.7 +0.1, KNT Kendrikon, 2.28 114 PG, 07 04 27.0 +0.1, KLYT Kilyos, 2.28 114 PG, 07 04 49.7 +1.0, SRS Serrai, 2.28 242 PG, 07 04 20.4 -0.3, SRS Serrai, 2.28 242 PG, 07 04 51.0 +1.8, VTS Vitosh, 2.29 281 PG, 07 04 21.3 +0.5, VTS Vitosh, 2.29 281 PG, 07 04 21.1 +0.3, LEHL Lehtli, 2.30 101 PG, 07 04 24.3 +0.1, MANR Mangalia, 2.33 461 PG, 07 04 23.4 -1.4, EZN Ezine, 2.38 179 PG, 07 04 20.0 -1.4, EZN Ezine, 2.38 179 PG, 07 04 48.3 -3.0, KKB Krupnik, 2.41 263 PG, 07 04 22.4 +0.1, BAYC CANAKKALE\_Bayr, 2.48 175 PG, 07 04 23.4 +0.2, BAYC CANAKKALE\_Bayr, 2.48 175 PG, 07 04 55.5 +1.8, HUMR Humele, 2.50 339 PG, 07 04 30.1 -0.3, AMRR Amara, 2.52 177 PG, 07 04 26.5 -1.5, SOH Sokhos, 2.60 239 PG, 07 04 24.8 -0.2, TRL Topalu, 2.70 281 PG, 07 04 28.5 -2.5, TIRR Tigrusoru, 2.73 344 PG, 07 04 30.1 -1.5, KNT Kendrikon, 2.74 281 PG, 07 04 27.0 +0.1, HARR Harsova, 2.75 25 PG, 07 04 30.0 -1.2, GOLR Gollari, 2.80 340 PG, 07 04 31.1 -1.7, PLG Polygyros, 2.82 230 PG, 07 04 28.9 +1.0, ISR Istrita, 2.91 41 PG, 07 04 32.9 -1.1, VAV Valandovo, 2.92 253 PG, 07 04 30.0 +0.7, VAV Valandovo, 2.92 253 PG, 07 04 18.4 -4.4, STEP BALKESIR\_Sava, 3.03 158 PG, 07 04 31.5 +0.6, STEP BALKESIR\_Sava, 3.03 158 PG, 07 05 20.6 +0.8, STIP Stip, 3.10 262 PG, 07 04 29.4 -2.3, CFR Carcalli, 3.26 241 PG, 07 04 41.1 +0.5, SRE Strehia, 3.32 319 PG, 07 04 37.0 +2.2, VOIR Viro, 3.35 345 PG, 07 04 37.6 +2.3, ARR Arges, 3.37 340 PG, 07 04 38.6 +3.0, DOPR Dopca, 3.31 351 PG, 07 04 42.7 +1.1, KRUS Krusevo, 3.85 259 PG, 07 04 42.9 +0.6, HERR Herculane, 3.88 315 PG, 07 04 42.6 +0.2, OZUR Ozur, 3.90 355 PG, 07 04 44.3 +1.5, GZR Gura Zlata, 4.07 323 PG, 07 04 45.0 0.0, MZVR Moldovita, 4.20 309 PG, 07 04 47.1 +0.1, BZZ Buzias, 4.79 317 PG, 07 04 51.1 +0.1, BURAR Bucovina Array, 4.55 352 PG, 07 05 00.2 +2.9, MORH Mrgy, Hungary, 6.79 309 ePn, 07 05 22.0 -0.4, MORH Mrgy, Hungary, 6.79 309 ePn, 07 05 37.1 -2.9, VYHS Vyhne, 8.18 323 PG, 07 05 35.0 -6.6, DDA 09 07:09:55.2, 42:22N-26:24E, h15km, 2km, ML3.3, ISK 09 07:09:55.7, 42:25N-26:24E, h5km, ML3.1/22, SOF 09 07:09:56.9, 42:26N-26:20E, h2km, MD2.9, THE 09 07:09:57.9, 42:13N-26:29E, h0km, 2km, ML2.9/5, Error ellipse: s-maj=2.5km s-min=0.9km az=25.0, ISCJB 09 07:09:59.6:0.3, 42:21N:0:03:26:29E:0.03, h33km, Error ellipse: s-maj=2.8km s-min=2.9km az=5.0, ISC 09 07:09:56.6:1.1, 42:21N:0:02:26:26E:0.02, h4km, 10km, n83, e98/96, 14C-4D, Bulgaria, JMB Yambol, 0.35 43 PG, 07 10 03.2 -1.9, JMB Yambol, 0.35 43 PG, 07 10 08.1 +0.2, EDRB Edirne, 0.51 135 PG, 07 10 06.4 0.0, EDRB Edirne, 0.51 135 PG, 07 10 06.3 -0.1, EDRB Edirne, 0.51 135 PG, 07 10 13.2 -1.1, DMI Dimitrograd, 0.57 254 PG, 07 10 07.2 -0.3, KIRK Kirkelari, 0.75 124 PG, 07 10 11.2 0.0, KIRK Kirkelari, 0.75 124 PG, 07 10 21.8 +0.9, KDZ Kurdzhali, 0.85 229 PG, 07 10 15.5 +0.1, SZH Strazhica, 1.09 346 PG, 07 10 17.5 -0.5



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PHSR Pinarhisar, ENEZ Enez, TKR Tekirdag, etc.

MEX 09 07:12:59.20.4, 16.27N-93.95W, h137km, 5km, MD3.8, Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCIG PCIG, CMIG Matias Romero, etc.

WEL 09 07:23:50.50.4, 40.0S, 3x177E, h28km, 3km, ML3.7/19, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PXZ Pawanui, KAHZ Kahuranaki, WPHZ Waipukurua, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNGZ Shannon Statio, PKVZ Kokaka, KATZ Kakarama, etc.

SOF 09 07:24:21.9, 42.23N-26.23E, h4km, MD2.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMB Yambol, EDRB Edirne, EDRB Edirne, etc.

KHZ Pinarhisar, PHSR Pinarhisar, PHSR Pinarhisar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KHZ Pinarhisar, PHSR Pinarhisar, SZH Strazhica, etc.

NNC 09 07:38:41.9, 0.7, 50.06N, 78.73E, h0km, mb3.5, mpv3.3, 14C-4D, Error ellipse: s-maj=7.2km s-min=3.6km

az=71.0, Suspected Mining explosion, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKK31 Makanchi Array, MKK31 Makanchi Array, OTUK Otayau, etc.

ISC 09 07:43:14.1, 1.1, 55.63S, 28.71W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.7/20, mbtmpr3.8/3, MS3.6/3, M3 3.6/3, ms1mx3.1/22, Error ellipse: s-maj=45.3km s-min=35.7km

ISCJB 09 07:43:18.4, 0.6, 55.55S, 0.09, 28.8W, 0.2, h35km, mb4.1/6, Error ellipse: s-maj=21.6km s-min=10.1km az=155.7

NEIC 09 07:43:23.4, 0.6, 55.65S, 28.86W, h68km, 8km, mb4.3/5, Error ellipse: s-maj=20.3km s-min=8.6km az=164.0

ISC 09 07:43:19.8, 0.7, 55.65S, 0.1, 28.8W, 0.2, h35km, n25, s=64.23, mb4.1/6, South Sandwich Islands region

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

ISC 09 07:57:53.4, 4.8, 36.24N, 71.10E, h189km, 37km, mb3.1/6, mb1 3.2/9, mb1mx3.0/54, mbtmpr3.7/9, Error ellipse: s-maj=50.2km s-min=30.0km az=149.0

ISCJB 09 07:57:57.1, 1.2, 36.8N, 0.1, 70.7E, 0.1, h188km, mb3.5/5, Error ellipse: s-maj=17.5km s-min=10.4km az=139.6

NNC 09 07:58:00.9, 5.2, 37.21N, 70.88E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=40.5km s-min=37.5km az=159.0

ISC 09 07:57:56.1, 1.6, 36.7N, 0.1, 70.9E, 0.1, h188km, n22, s=162.26, mb3.4/5, 3C-3D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AML Almayshu, UCH Uchtor, KZA Kyzart, etc.



9d 8h

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

2013 APR

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ASAR Alice Springs, WRA Warramunga Ar.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TX31 Lajitas Ar. Si, TXAR Lajitas Array.

IDC 09 08:01:04.1,2,9.5,85S:134.89E,h0km,mb3.3/1, mb1 3.5/4, mb1mx3.3/37, mbmtmp3.4/4, ML3.2/3, Error ellipse: s-maj=114.8km s-min=28.7km az=76.0, Azur Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SUJI Warramunga Ar, WRA Warramunga Ar, ASAR Alice Springs.

NIED 09 08:05:00,29.00N,142.70E,h5km,Mw4.0 Best double couple: M1, N2000,-1019, NP185,130.00000,-314.00000,-1.56.00000, NP23,-34.00000,879.00000,-1.98.00000,2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JMA 09 08:05:39.5,0.1,29.05N,142.69E,h77km,M3.9, ISCJB 09 08:05:40.3,0.7,29.06N,0.04,142.3E,0.2,h27km.

ISC 09 08:05:42.4,0.9,29.00N,0.06,142.4E,0.2,h27km,n17, n=10/17,mb3.777,Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CBJJ Chichi jima, CBJH Haha-jima-NKT2, JHU Hanno, JRY Ryogasaki san, JAG Ashikaga, MJAR Matsushiro, MAT Matsushiro, JNU Nakatsue, KRSR Korea Array, KLR Kuldrum, SONM Songjio Array, ZALV Zalesovo Beam, WRA Warramunga Ar, MKAR Makanchi Array, ASAR Alice Springs, ILAR Eielson Array, YKA Yellowknife Ar.

ISCJB 09 08:15:14.6,0.5,6.86N,0.03,73.14W,0.03,h156km,4km, mb3.0/2, Error ellipse: s-maj=6.0km s-min=4.1km az=33.2 IDC 09 08:15:15.0,0.8,6.77N,72.92W,h166km,10km,mb2.8/2, mb1 3.4/4, mb1mx3.0/30, mbmtmp3.6/4, Error ellipse: s-maj=39.4km s-min=7.9km az=131.0

RSNC 09 08:15:16.0,1.2,6.81N,73.15W,h150km,4km,ML3.7 ISC 09 08:15:17.0,0.9,6.86N,0.03,73.13W,0.04,h151km,6km, n30,r123/51,3C-80,Northern Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like GIRC Giron, Santand, BARC Barichara, BRRC Barranca, Sant, AKUT Akut, RUSC Rusc, CAPV Capacho, PTBC Puerto Berrio, OCAC Ocana, TAMC Tame, Arauca, ZARC Zaragoza, CAUC Tausa, Cundina, CTAB Cerro Tablazo, SMLC San Martn de, NORC Norcasia, CHIC Chingaza, ROSC El Rosal, ROSC El Rosal, ROSC Santa Helena, SOCV Socops, DBBC Dabeiba, CODC Agustn Codazz, SDV Santo Domingo, SDV Santo Domingo, ELOV Elorza, SJAC San Juan de Ar, PLMC San Jos del P, TXAR Lajitas Array, YKA Yellowknife Ar.

RSNC 09 08:18:52.9,1.1,3.38N,73.69W,h0km,5km,ML3.9,Mw4.0, 4C-2D, Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SJAC San Juan de Ar, VILC Villavicencio, PRAC Prado, CHIC Chingaza, GUVG Guvic, ROSC Rosal, CTAB Cerro Tablazo, CTUA Tausa, Cundina, BETC Betania, MARP Paez Belalcaza, NORC Norcasia, RUSC La Rusia, FLOC Florencia, YVOT Yotoco, Valle, PCON Cinco Dias, PLMC Popayan, Colombia, SOTA Sotobiano, PTBC Puerto Berrio, BARC Barichara, PTLC Puerto Leguiza, TAMC Tame, Arauca, MALC Bahía Malaga, BRRC Barranca, Sant, GIRC Giron, Santand, CRUC Cruz, GCUF Volcan Galeras, ZARC Zaragoza, CAUC, ZARC, DBBC Dabeiba, CAPV Capacho, ELOV Elorza, SOCV Socops, SDV Santo Domingo.

IDC 09 08:41:59.8,1.1,53.66N,164.39W,h0km,mb3.8/1,1, mb1 3.9/13, mb1mx3.6/79, mbmtmp3.8/13, ML3.6/3, MS2.6/1, MS1 2.8/1, ms1mx2.3/28, Error ellipse: s-maj=28.7km s-min=17.5km az=166.0

ISCJB 09 08:42:04.0,6.0,6.5,78N,0.06,164.26W,0.06,h51km,6km, mb3.9/10, Error ellipse: s-maj=11.3km s-min=3.9km az=158.8

NEIC 09 08:42:05.0,0.5,53.82N,164.36W,h61km,mb3.7/1, ML3.9(AEIC), After AEIC

ISC 09 08:42:04.1,1.9,53.73N,0.10,164.25W,0.04, h29km,12km,n59,r102/69,mb3.9/10,Unimak Island region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WESP Westhadl Peak, WEPT Westhadl Beart, AKSA Akutan Strait, BRPK Brown Peak, AKUT Akutan, SSSL Shishaldin Sou, AHB Akutan Harbor, ZRO Akutan Ziro, AKMO Akutan Morgan, AKGG Akutan Green G, AKGG Akutan Reef Bi, AKRB False Pass, UNV Unalaska Valle, MSW Makushin Table, MFER Makushin Reef, MSBL Makushin Switc, MGOD Makushin Gods, MCIR Makushin Cirqu, DTL Dutton Round H, DOL Dolgoi Island, PSVA Pavlov South-4, PVV Pavlov Volcano, OKER Okmok East Ring, OKWE Okmok Wng Wal, OKAK Okmok, SDPT Sand Point, NIKH Nikolski High, VNNS Veniaminof 8, CHIGN Chignik, ANPB Aniakhchak Pen, AZAC Aniakhchak, ANPW Aniakhchak Nort, SPIA Saint Paul Isl, KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, SVWZ Sparrebell, GAMB Gambell, DIVD Divisadero, BPWW Bear Paw Mtn, KLU Klutina, HARP HAARP, ILAR Eielson Array, SDPT Sand Point, ILB Eielson Array, DLBC Dease Lake, INK Inuvik, INK Inuvik, PEAT Petropavlovsk, PETK Petropavlovsk, YKA Yellowknife Ar, YKA Yellowknife Ar.

IDC 09 08:42:19.7,0.9,23.82S;64.72W,h0km,mb3.8/4, mb1 4.0/9, mb1mx3.8/29, mbmtmp3.7/9, ML3.7/5, MS3.0/2, MS1 3.0/2, ms1mx2.7/27, Error ellipse: s-maj=22.2km s-min=18.6km az=37.0

SJA 09 08:42:21.3,0.5,23.73S;64.75W,h20km,7km,ML4.0, Mw4.4

ISCJB 09 08:42:22.9,0.4,23.67S;0.04,64.57W,0.05,h33km,4.2/7, Error ellipse: s-maj=6.8km s-min=5.5km az=5.7

NEIC 09 08:42:24.3,1.3,23.63S;64.59W,h27km,7km,mb4.5/16, MD4.4(SJA), Error ellipse: s-maj=18.4km s-min=10.0km az=132.0

NEIC Felt [III] in the epicentral area. ISC 09 08:42:24.6,0.6,23.73S;0.05,64.60W,0.08,h35km,n44, n=9/47,mb4.3/17,1C, Jujuj Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like HJA Humahuaca, SLA San Lorenzo, SLA San Lorenzo, YJA Yavi, YJA Yavi, AHML Horco Molle, LVC Limon Verde, LVC Limon Verde, G001 G001, G002 IPOC Station P, PB04 IPOC Station P, PB10 IPOC Station P, G001 Chumizma, PB11 IPOC Station P, MNMC Minisy Miney, CPUP Villa Flora, CPUP Villa Flora, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, LPV La Paz, LPV La Paz, SIV Santo Domingo, SIV Santo Domingo, SIV Santo Domingo, SIV Santo Domingo, CFA Coronel Fontan, CFA Coronel Fontan, SDV Santo Domingo, JSC Jenkinsville, TKL Tuckaleechee C, LTX Lajitas, TXAR Lajitas Array, PBMO Poplar Bluff, CCM Comstock, K43A Burlington, D3C0 Great Sand Dune, SYO Syowa Base, TOAD Torodi Ar. Bea, TOAD Torodi Ar. Bea, TOA1 Torodi Ar. Bea, SRU San Rafael Swe, PD31 Pinedale Array, PDAR Pinedale Array, RMOW Moose Ponds, RMOW Moose Ponds, HLID Hailey, HRY Hry Hry, BMO Blue Mountains, YKA Yellowknife Ar, ASAR Alice Springs, MKAR Makanchi Array.

IDC 09 08:43:40.3,1.9,4.41N,128.09E,h0km,mb4.0/4, mb1 4.1/4, mb1mx3.5/55, mbmtmp4.0/4, Error ellipse: s-maj=163.0km s-min=25.0km az=66.0, North of Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA Warramunga Ar, ASAR Alice Springs, STAR Stephens Creek, MKAR Makanchi Array, WRA Warramunga Ar, ASAR Alice Springs, STAR Stephens Creek, MKAR Makanchi Array.

IDC 09 08:47:16.6,6.2,54.24N,87.39E,h0km,mb1 2.9/2, mb1mx2.7/65, mbmtmp2.9/2, ML2.5/2, Error ellipse: s-maj=66.0km s-min=25.6km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array.



Table with columns for station name, frequency, power, and signal strength. Includes stations like UGL Uglegorsk, ASAJ Asahikawa, and JCH Churui.

Table with columns for station name, frequency, power, and signal strength. Includes stations like JUNU Nakatsue, TJN Tajon, and ATKA Atka Island.

Table with columns for station name, frequency, power, and signal strength. Includes stations like SML Sawmill, WRH Wood River Hill, and ILAR Eielson Array.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like RES, YKA, YKWA, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like NEW, J04D, ARAO, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like IMW, RLMT, MOOW, etc.



KHC	R42A	Luebbering	78.11	46	P	x	09 07 56.3
		baz=321,SNR=5.2					09 07 34.8 -0.3
		Q47A	78.13	41	P		09 07 34.3 -0.9
		Cromwell					09 07 35.0 -0.2
		baz=322					
		M37A	78.17	47	P		09 07 34.8 -0.7
		Jillico Farms,					09 07 35.8 +0.1
		baz=321,SNR=9.3					09 07 36.0 +0.3
		BR10I	78.17	316	eP		09 07 35.8 +0.1
		BR13I	78.17	316	eP		09 07 36.0 +0.3
		keskin Array S					09 07 35.8 +0.1
		comp=Z,8,0nm,1.0s					
		BRTR	78.17	316	P		09 07 35.8 +0.1
		keskin Array B					09 07 34.9 -0.4
		comp=Z,4.3nm,0.9s,slow=7.2,slow=5.0,SNR=16					
		LATQ	78.19	30	P		09 07 34.9 -0.4
		La Tuque					09 07 35.3 -0.2
		baz=324					
		L48A	78.19	40	P		09 07 35.3 -0.2
		N Adams					09 07 35.6 0.0
		baz=324					09 07 35.5 -0.3
		GZR	78.20	326	iP		09 07 35.5 -0.3
		Gura Zlata					09 07 35.2 -0.6
		SFIN	78.24	42	eP		09 07 35.2 -0.6
		Lafayette					09 07 35.6 -0.2
		comp=Z,20nm,1.3s					
		SFIN	78.24	42	P		09 07 35.6 -0.2
		Lafayette					09 07 35.9 -0.4
		baz=323					09 07 36.3 +0.1
		P44A	78.32	334	eP		09 07 35.8 -0.4
		Sand Creek, Wi					09 46 24.6
		baz=322,SNR=11					
		GE2C	78.32	334	eP		09 07 35.6 -0.6
		GERESS Array S					09 07 35.5 -0.8
		comp=Z,4.1nm,0.7s					
		GE2C	78.32	334	eP		09 07 36.1 -0.2
		GERESS Array S					09 07 36.1 -0.2
		comp=Z,4.0nm,0.7s					
		GERES	78.32	334	P		09 07 37.1 -0.5
		GERESS Array B					09 07 36.6 -1.1
		comp=Z,2.7nm,0.6s,slow=28,slow=6.0,SNR=19					
		GERES	09 46	24.6	LR		
		comp=Z,1.53nm,18.1s,slow=38,slow=39					
		GEAO	78.33	334	eP		09 07 37.8 -0.1
		BANO	78.34	34	P		09 07 37.3 -0.5
		Bancroft					09 07 36.9 -1.0
		baz=327					09 07 37.8 -0.3
		L49A	78.35	39	P		09 07 38.1 -0.6
		Milan					09 07 38.2 -0.6
		baz=324					09 07 38.6 -0.3
		BZS	78.45	327	iP		09 07 37.2 0.0
		Buzias					09 07 36.9 +0.1
		CONA	78.45	332	eP		09 07 37.2 -0.2
		Conrad Observa					09 07 37.2 -0.2
		comp=Z,11nm,0.8s					
		N47A	78.48	41	P		09 07 37.2 0.0
		Urbana					09 07 37.2 -0.2
		baz=324					
		Q44A	78.49	44	eP		09 07 37.2 0.0
		Meyer Farm, Va					09 07 36.9 -0.3
		comp=Z,7.1nm,0.6s					
		Q44A	78.49	44	P		09 07 37.2 -0.2
		Meyer Farm, Va					09 07 37.2 -0.2
		baz=322,SNR=8.0					
		FVM	78.53	46	eP		09 07 37.2 -0.2
		French Village					
		comp=Z,10.0nm,0.6s					
		FVM	78.53	46	eP		09 07 37.2 -0.2
		French Village					
		comp=Z,10.0nm,0.6s					
		U40A	78.56	49	P		09 07 37.1 -0.5
		Yellville					09 07 37.8 -0.1
		baz=320,SNR=32					09 07 37.3 -0.5
		G55A	78.60	33	P		09 07 36.9 -1.0
		Calabogie					09 07 37.8 -0.1
		baz=328					09 07 37.3 -0.5
		P45A	78.61	43	eP		09 07 37.3 -0.5
		Graceland, Par					09 07 36.9 -1.0
		comp=Z,20nm,0.8s					
		P45A	78.61	43	P		09 07 37.3 -0.5
		Graceland, Par					09 07 37.8 -0.3
		baz=323					09 07 38.1 -0.6
		PLVO	78.65	33	P		09 07 38.2 -0.6
		Plevna					09 07 38.6 -0.3
		ACTO	78.67	36	P		09 07 38.6 -0.3
		Acton					09 07 38.1 -0.6
		baz=326					09 07 38.2 -0.6
		M49A	78.77	40	P		09 07 38.6 -0.3
		Liberty Center					09 07 38.6 -0.3
		baz=324					
		Q47A	78.78	42	P		09 07 38.6 -0.3
		Sheridan					09 07 38.6 -0.3
		baz=323					
		O46A	78.79	43	P		09 07 38.6 -0.3
		Rosedale					09 07 38.6 -0.3
		baz=323,SNR=8.0					
		N48A	78.80	41	P		09 07 38.6 -0.3
		Decatur					09 07 38.6 -0.3
		baz=324,SNR=6.6					
		L50A	78.81	39	P		09 07 38.6 -0.3
		Kingsville					09 07 39.5 +0.6
		baz=325					09 07 39.3 +0.1
		MEM	78.84	339	iP		09 07 39.5 +0.6
		Membach					09 07 39.3 +0.1
		STKA	78.89	190	eP		09 07 39.5 +0.6
		Stephens Creek					
		comp=Z,1.4nm,0.5s,slow=35,slow=6.6,SNR=4.9					
		STKA	09 47	46.2	LR		
		comp=Z,3.7nm,18.1s,slow=23,slow=40					
		STKA	78.89	190	eP		09 07 39.5 +0.3
		Stephens Creek					09 07 39.5 +0.3
		comp=Z,1.3nm,1.0s					
		STKA	78.89	190	eP		09 07 39.5 +0.3
		Stephens Creek					
		comp=Z,1.0nm,1.0s					
		Q45A	78.91	44	P		09 07 39.3 -0.2
		Warren Harvey,					09 07 38.9 -0.3
		baz=322,SNR=9.4					09 07 39.6 -0.3
		ALFO	78.96	32	P		09 07 39.6 -0.3
		Alfred					09 07 39.4 -0.4
		baz=329					09 07 39.6 -0.2
		W39A	78.96	50	eP		09 07 39.6 -0.3
		Magazine					09 07 39.8 -0.4
		comp=Z,2.3nm,1.4s					
		W39A	78.96	50	P		09 07 39.8 -0.4
		Magazine					09 07 40.0 0.0
		baz=320					
		R44A	78.98	45	P		09 07 39.8 -0.4
		Waltonville					09 07 40.0 0.0
		baz=322,SNR=5.3					
		S43A	79.02	46	P		09 07 39.7 -0.6
		Fulton Ridge,					09 07 39.9 -0.1
		baz=322,SNR=5.8					09 07 40.3 -0.1
		MOA	79.03	333	iP		09 07 39.9 -0.1
		Molin					09 07 40.3 -0.1
		comp=Z,7.3nm,1.0s					
		U41A	79.05	48	P		09 07 39.9 -0.1
		Viola					09 07 39.9 -0.1
		baz=321,SNR=7.3					09 07 40.3 -0.1
		UCC	79.06	340	iP		09 07 40.3 -0.1
		Uccle					09 07 40.5 -0.1
		OLIL	79.07	44	eP		09 07 40.5 -0.1
		Olney					09 07 40.5 -0.1
		comp=Z,18nm,0.9s					
		N49A	79.12	40	P		09 07 40.5 -0.1
		Columbus Grove					09 07 40.1 -0.5
		comp=Z,1.1nm,0.7s					
		N49A	79.12	40	P		09 07 40.1 -0.5
		Columbus Grove					09 07 40.0 0.0
		baz=324					09 07 57.1 +0.8
		BCLA	79.19	339	iP		09 07 41.1 -0.1
		Clavier					09 07 41.5 +0.2
		BCLA	09 07	40.8	pp		
		comp=Z,2.26nm,0.9s					
		JCT	79.19	57	eP		09 07 41.1 -0.1
		Junction City					09 07 41.5 +0.2
		comp=Z,58nm,1.5s					
		JCT	79.19	57	eP		09 07 41.5 +0.2
		Junction City					
		comp=Z,58nm,1.5s					
		JCT	79.19	57	eP		09 07 41.5 +0.2
		Junction City					
		comp=Z,58nm,1.5s					
		Q48A	79.22	41	P		09 07 41.4 +0.2
		Farmland					09 07 40.5 -0.7
		baz=324,SNR=5.6					09 07 41.3 -0.3
		T43A	79.30	46	P		09 07 41.3 -0.3
		Greenville					09 07 41.5 -0.2
		baz=322,SNR=6.5					
		S44A	79.33	45	P		09 07 41.5 -0.2
		Carbondale					09 07 41.7 -0.1
		baz=322,SNR=6.8					
		SIUC	79.33	45	eP		09 07 41.7 -0.1
		Southern Illin					09 07 41.2 -0.6
		comp=Z,32nm,1.1s					
		P47A	79.33	42	P		09 07 41.2 -0.6
		Martinsville					09 07 42.8 +1.2
		baz=323,SNR=5.6					09 07 42.8 +0.5
		SNF	79.34	340	iP		09 07 42.8 +0.5
		Geneffe					
</							





ISCJB 09 09:33:42.6±0.4, 44.68N±0.02; 110.38W±0.04, h8km, 3.3km, Error ellipse: s-maj=4.3km s-min=3.2km az=5.7

NEIC 09 09:33:42.3±0.0, 44.66N±110.46W, h1km, ML3.1(SLO), After SLC.

IDC 09 09:33:44.0±0.4, 44.51N±110.81W, h0km, mb1 2.9/2, mb1.0mx2.9/3, mbtmp2.6/2, ML2.7/2, Error ellipse: s-maj=38.1km s-min=2.7km az=58.0

ISC 09 09:33:42.7±0.0, 44.69N±0.02; 110.48W±0.03, h10km, 7km, h39, c164/58, Yellowstone region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like LKWW, HHTA, FLWY, etc.

IDC 09 09:35:52.0±0.9, 25.42N±141.51E, h0km, mb3.6/8, mb1 3.8/8, mb1mx3.6/40, mbtmp3.6/8, Error ellipse: s-maj=43.1km s-min=21.5km az=103.0

ISCJB 09 09:36:02.0±0.8, 25.4N±141.5E±0.3, h98km, mb3.5/8, Error ellipse: s-maj=34.3km s-min=18.5km az=12.5

ISC 09 09:36:04.0±0.9, 25.4N±141.5E±0.3, h98km, mb, c061/8, mb3.5/8, Volcano Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like WRA, ASAR, MKAR, etc.

SOME 09 10:07:28.8, 43.82N±69.71E, h0km, mb3.6, mpv3.0, NNC 09 10:07:33.2±1.9, 43.69N±69.71E, h0km, mb3.6, mpv3.0, 4C-2D, Error ellipse: s-maj=10.4km s-min=7.3km az=151.0, Suspected Mining explosion., Central Kazakhstan

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like BRLS, KK31, IUG, etc.

VIE 09 10:14:16±0.4, 47.87N±14.17E, h0km, mb-0.1/1, ml1.4/4, Error ellipse: s-maj=4.2km s-min=2.9km az=30.0, Suspected Mining explosion., Austria

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like MOA, KBA, KBA, etc.

CONA 1.0nm,0.2s 5g Sb 10 14 54.4 +0.4

ABTA Abfaltersbach 6.6nm,0.8s 1.59 226 Sg Sg 10 15 08.1 +1.0

KRAR 09 10:30:03.0±0.2, 0.1, 54.48N±86.33E, M2.2, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 09 10:30:06.3±0.1, 54.46N±87.06E, h0km, mb1 3.2/2, mb1mx2.9/5, mbtmp3.2/2, ML2.5/2, Error ellipse: s-maj=25.7km s-min=18.4km az=59.0, Southeastern Siberia

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like H46RU, ZALV, KURBB, etc.

IDC 09 10:36:14.7±2.1, 31.28S±115.56W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.7/33, mbtmp3.8/4, MS2.3/1, Ms1 2.3/1, mb1mx2.3/22, Error ellipse: s-maj=135.7km s-min=42.0km az=122.0, Southern East Pacific Rise

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like RPN, PDAR, YKA, etc.

KRSC 09 10:39:16.1±10.0, 54.86N±157.46E, h1km±10km, ML3.8, Kamchatka Peninsula

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like ESO, TURM, KZV, etc.

SOF 09 10:49:38.8, 42.24N±26.21E, h3km DDA 09 10:49:39.9, 42.20N±26.44E, h31km, 1km, ML2.9

ISCJB 09 10:49:42.3±0.4, 42.21N±26.27E±0.03, h33km, Error ellipse: s-maj=3.8km s-min=3.5km az=168.8

ISC 09 10:49:38.8±1.0, 42.19N±26.28E±0.02, h12km, gkm, n58, c121/72, 6C-1D, Bulgaria

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like JMB, EDRB, DIM, etc.

ENEZ 09 10:50:27±0.4, 4.16 184 PN Pg 10 50 27.2 +0.4

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like ENER, ZIRK, SART, etc.

KRBB Karabiga-Canak 1.95 157 PN Pb 10 50 14.6 +0.4

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like MMB, PSN, PSN, etc.

MEX 09 10:55:27.9±0.3, 16.01N±97.07W, h36km, 3km, MD3.5, Oaxaca

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like HUIG, PNIU, PNIU, etc.

THR 09 11:03:48.2±7.2, 79N±57.33E, h17km, ML3.3

IDC 09 11:03:55.7±1.0, 28.19N±57.20E, h0km, mb3.6/9, mb1 3.7/10, mb1mx3.5/36, mbtmp3.6/10, ML3.7/1, MS2.9/2, Ms1 2.9/2, mb1mx2.3/41, Error ellipse: s-maj=24.2km s-min=22.1km az=104.0

ISCJB 09 11:03:57.0±0.4, 28.27N±104.57E±0.08, h10km, mb3.6/9, MS3.0/1, Error ellipse: s-maj=11.1km s-min=4.4km az=17.6

TEH 09 11:03:59.2±28.30N±57.31E, h23km, ML3.5

ISC 09 11:03:57.8±0.6, 28.28N±104.57E±0.06, h10km, n41, c204/34, mb3.6/9, Southern Iran

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Lists stations like NIAN, GENO, NGRK, etc.

9d 11h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes entries for CPUP, LPAZ, SIV, TORD.

BUIJ 09 11:33:55.6, 21.125:178.31W, h538km, mb4.5/16, mb5.3/9

ISC/BJ 09 11:33:57.8, 0.2, 21.115:0.04:178.53W:0.05, h550km, mb4.5/67, Error ellipse: s-maj=6.2km s-min=5.0km

NEIC 09 11:33:58.0, 2.0, 21.005:178.44W, h542km, mb4.8/54, Error ellipse: s-maj=17.5km s-min=13.9km az=158.0

IDD 09 11:33:58.2, 1.4, 20.915:178.68W, h531km, 19km, mb3.6/17, mb1.3/8.18, mb1mx3.7/34, mbtmp4.4/18, Error ellipse: s-maj=17.7km s-min=11.2km az=143.0

ISC 09 11:33:58.7, 0.3, 21.035:0.07:178.48W:0.06, h550km, n194, s1922/216, mb4.7/68, 16C-24D, Fiji Islands region

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists numerous stations like RAO, NIUE, MARNC, PINNC, etc.

2013 APR

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists numerous stations like TPUB, SSSL, PETK, USRK, etc.

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Continuation of station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like GOPC, VRAC, JAVC, etc.

ISC 09 11:52:40.7, 1.3, 28.13N:51.85E, h0km, 287km, ML6.3

THN 09 11:52:46.2, 0.0, 28.31N:51.56E, h0km

ISC/BJ 09 11:52:48.6, 0.3, 28.42N:0.01:51.62E:0.01, h13km, 2km, mb5.8/447, MS6.3/793, Error ellipse: s-maj=2.3km s-min=1.2km az=28.7

IDD 09 11:52:48.2, 0.4, 28.45N:51.61E, h0km, mb5.3/42, mb1.5/30, mb1mx5.3/50, mbtmp5.3/50, ML4.5/7, MS6.2/49, MS1.6/249, ms1mx2.2/59, Error ellipse: s-maj=10.2km s-min=9.1km az=168.0

MOS 09 11:52:48.3, 0.9, 28.44N:51.59E, h13km, mb6.1/116, MS6.3/97, Error ellipse: s-maj=4.2km s-min=2.6km az=109.7

TEH 09 11:52:49.1, 28.47N:51.57E, h11km, ML6.3

NEIC 09 11:52:49.0, 1.2, 28.43N:51.59E, h12km, mb5.9/264, ME6.0, MS6.3/289, MW6.2, MW6.4, ML6.0(THR), MN6.1(TEH), Error ellipse: s-maj=2.5km s-min=1.7km az=20.0, Moment Tensor Solution. s86 Moment tensor: Scale 1018Nm; Mr:1.38; Ms:0.04; Mw:1.34; Mo:0.65; Mw:2.21; Mw:0.06; Best double couple: M2:700000.1018 NP1:3280.00000; s68.00000; A:34.00000; NP2: 0.182.00000; s59.00000; A:154.00000; Principal axes: T 2.0100; P1g9.00000; Azm147.00000; N 1.0300; P1g5.00000; Azm316.00000; P -3.0400; P1g6.00000; Azm53.00000; Broadband fault plane solution; P waves: NP1:305.00000; s45.00000; A:54.00000; NP2: 0.170.00000; s85.00000; A:120.00000; Principal axes: T 1.665.00000; Azm137.00000; N 1.90.00000; Azm0.00000; P 1.665.00000; P1g6.00000; Azm239.00000; Apparent Stress 0.21 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC At least 37 people killed, 850 injured, 200 families homeless, 700 houses damaged and power, telephone and water services disrupted in the Kaki area. Over 92 villages damaged in the Kaki-Sana-Sheh area. Landslides occurred at Kaki. Felt [IV] at Shiraz. Also felt [IV] at Abu Dhabi and [III] at Dubai, United Arab Emirates. Felt [III] at Manama, Bahrain, at Doha, Qatar and at Ad Damman, Saudi Arabia. Felt throughout the Persian Gulf region in Bahrain, Iran, Kuwait, Qatar, Saudi Arabia and United Arab Emirates.

OMAN 09 11:52:50.7, 0.5, 28.37N:51.61E, h10km, mb6.4/11, ms6.8/8, Mw6.6/28, Error ellipse: s-maj=7.9km s-min=4.6km az=47.0

NEIC 09 11:52:50.0, 0.2, 28.40N:51.25E, h11km, Moment Tensor Solution. s31 Moment tensor: Scale 1018Nm; Mr:2.83; Ms:1.12; Mw:1.72; Mw:3.12; Mw:2.54; Mw:2.89; Best double couple: M5:50000.1018 NP1:313.00000; s71.00000; A:85.00000; NP2: 0.147.00000; s20.00000; A:103.00000; Principal axes: T 4.8900; P1g3.00000; Azm215.00000; N 1.1100; P1g4.00000; Azm314.00000; P -6.0000; P1g25.00000; Azm46.00000;

BUIJ 09 11:52:50.0, 28.50N:51.60E, h20km, mb5.4/79, mb6.4/85, MS6.5/86, MS7.6/580

DSN 09 11:52:51.1, 0.4, 28.47N:51.59E, h10km, mb6.2/9, ML6.7/12, Error ellipse: s-maj=9.2km s-min=5.0km az=46.0

GCMT 09 11:52:53.9, 0.1, 29.27N:51.62E, h12km, MW6.3/128, Moment Tensor Solution. s128c282; s127c454; Duration: 3s4 Moment tensor: Scale 1018Nm; Mr:2.40; Ms:1.0; Mw:0.85; Mw:1.55; Mw:1.0; Mw:0.72; Mw:0.5; Mw:3.10; Mw:0.50; Ms:0.05; Best double couple: M3:49600x1018 NP1:303.00000; s54.00000; A:69.00000; NP2: 0.157.00000; s41.00000; A:117.00000; Principal axes: T 2.5690; P1g71.00000; Azm160.00000; N 1.8580; P1g17.00000; Azm316.00000; P -4.4240; P1g7.00000; Azm48.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=60s. Triangular moment-rate function.

ISC 09 11:52:50.2, 0.4, 28.45N:51.62E:0.02, h13km, 2km, h13km; PP-P. n2550, s1959/2324, mb5.9/470, MS6.3/823, 149C-3L, Southern Irian

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









Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Minicoy, Kerkira, Obninsk, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KWP, TAR1, FASA, MASS, etc.

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



9d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like UCC Uccle, PBA Port Blair, OSL Osl, NC602 NORARS Array S, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IRK Irkutsk, KMI Kunming, KMI KMI, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LRW comp=Z,117nm,0.7s, YLL Llanberis, EAU Auzonco, etc.



9d 11h

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like BLSI Bandar Lampung, SSSLB Suanglung, TATO Taipei, etc.

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Table with columns: SMRI Semarang, JOW Kunigami, GQP Guinayang, etc. Includes frequencies and power levels.

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Table with columns: MAT Matushiro, MJAR Matsushiro Arr, CGP Cagayan de Oro, etc. Includes frequencies and power levels.







E38A	comp=Z,8um,19.0s baz=32	98.21 335	P	P	12 06 26.3	-0.9	SPMN SPMN	Marine on St. 99.84 335	PFAKE LR	LR	12 06 50.0	+15	P47A	baz=34 Martinville	101.86 328	P	Pdif	12 06 44.8	+1.2	
N53A	baz=32 Lisbon	98.21 326	PFAKE LR	LR	12 06 40.0	+13	T58A	comp=Z,12um,20.0s Grand View Acr	99.87 322	P	Pdif	12 06 34.1	-0.7	R50A	baz=37 Paris	101.81 326	P	Pdif	12 06 43.5	-0.2
N53A	comp=Z,11um,21.0s Lisbon	98.21 326	P	P	12 06 26.4	-0.9	S56A	Natural Bridge	99.89 323	P	Pdif	12 06 34.2	-0.7	L40A	baz=43 Anamosa	101.98 333	PFAKE LR	LR	12 06 50.0	+6.2
J47A	baz=41 Summer	98.22 329	P	P	12 06 26.8	-0.5	Q53A	Leroy	100.03 325	P	Pdif	12 06 34.6	-0.8	O45A	comp=Z,11um,22.0s Potomac	101.91 329	P	Pdif	12 06 45.3	+1.5
L50A	baz=38 Kingsville	98.23 327	P	P	12 06 26.2	-1.1	O50A	Cable	100.08 327	P	Pdif	12 06 34.9	-0.7	T53A	Wise	101.97 324	P	Pdif	12 06 43.7	-0.5
AGMN	AGassiz Nation comp=Z,13nm,1.1s	98.23 339	eP	P	12 06 27.0	-0.2	K43A	Burlington	100.18 331	PFAKE LR	LR	12 06 50.0	+14	W57A	baz=40 Gilead	101.99 321	P	Pdif	12 06 43.7	-0.5
AGMN	comp=Z,15um,22.0s		LR	LR			K43A	Burlington	100.18 331	P	Pdif	12 06 35.1	-1.0	N43A	baz=42 Stutzman Famil	101.99 331	P	Pdif	12 06 43.6	-0.5
AGMN	AGassiz Nation baz=28	98.23 339	P	P	12 06 26.8	-0.4	N48A	Decatur	100.19 328	P	Pdif	12 06 35.2	-1.0	S51A	baz=35 Beattyville	102.01 325	PFAKE LR	LR	12 07 00.0	+16
K48A	Aggy	98.25 329	P	P	12 06 26.2	-1.2	T57A	Hunt	100.22 322	P	Pdif	12 06 35.4	-0.9	S51A	comp=Z,14um,22.0s Beattyville	102.01 325	P	Pdif	12 06 45.3	+1.0
F40A	baz=38 Park Falls	98.25 334	P	P	12 06 26.5	-0.9	R54A	Victor	100.27 324	P	Pdif	12 06 35.1	-1.4	SEUS	baz=39 St. Eustatius	102.03 297	PFAKE LR	LR	12 07 00.0	+15
CBN	baz=33 Corbin Frederi	98.32 322	PFAKE LR	LR	12 06 40.0	+12	U58A	Oxford	100.28 321	P	Pdif	12 06 36.2	-0.5	Q48A	comp=Z,8um,20.0s North Vernon	102.05 327	P	Pdif	12 06 45.1	+0.7
PLIO	comp=Z,10um,22.0s Pelee Island,	98.37 327	P	P	12 06 27.2	-0.7	S55A	Lewisburg	100.32 323	P	Pdif	12 06 35.4	-1.5	EGMT	baz=38 Eagleton	102.06 347	ePdif LR	Pdif	12 06 44.0	-0.4
AAM	baz=40 Ann Arbor	98.42 328	PFAKE LR	LR	12 06 40.0	+12	P51A	Williamsport	100.32 326	PFAKE LR	LR	12 06 50.0	+13	EGMT	comp=Z,11um,19.0s Eagleton	102.06 347	P	Pdif	12 06 44.1	-0.4
O54A	comp=Z,10um,21.0s Avella	98.45 325	P	P	12 06 27.6	-0.8	P51A	Williamsport	100.32 326	P	Pdif	12 06 35.7	-1.1	T52A	baz=17 Halle	102.11 324	P	Pdif	12 06 44.3	-0.5
M51A	baz=41 Elyria	98.47 327	P	P	12 06 27.7	-0.8	Q52A	Bidwell	100.33 325	P	Pdif	12 06 36.1	-0.7	FD	baz=40 Fort de France	102.13 294	PFAKE LR	LR	12 07 00.0	+15
H43A	baz=40 Windswept, Lux	98.50 332	PFAKE LR	LR	12 06 40.0	+11	J41A	Loganville	100.33 333	P	Pdif	12 06 36.1	-0.6	M46A	baz=34 Old House Fiel	100.36 329	PFAKE LR	LR	12 06 50.0	+13
H43A	baz=35 Windswept, Lux	98.50 332	P	P	12 06 27.6	-0.9	M46A	comp=Z,11um,21.0s Covington	100.39 327	PFAKE LR	LR	12 06 50.0	+13	L39A	Vinton	102.17 333	P	Pdif	12 06 45.5	+0.6
F39A	Loretta	98.56 335	P	P	12 06 27.9	-0.8	O49A	comp=Z,7um,20.0s Covington	100.39 327	P	Pdif	12 06 36.5	-0.5	M41A	baz=32 Milan	102.21 332	P	Pdif	12 06 45.1	0.0
MCWV	baz=33 Mont Chateau	98.57 324	PFAKE LR	LR	12 06 40.0	+11	O49A	Dagmar	100.42 344	PFAKE LR	LR	12 06 50.0	+13	BLO	baz=34 Bloomington	102.23 328	PFAKE LR	LR	12 07 00.0	+15
MCWV	comp=Z,7um,21.0s Mont Chateau	98.57 324	P	P	12 06 28.0	-0.9	DGMT	Dagmar	100.42 344	PFAKE LR	LR	12 06 50.0	+13	R49A	comp=Z,9um,22.0s Shelbyville	102.28 327	P	Pdif	12 06 45.5	+0.1
DIB	baz=42 Dawson Inlet,	98.62 2	PFAKE LR	LR	12 06 40.0	+11	DGMT	Dagmar	100.42 344	P	Pdif	12 06 36.0	-1.0	HDIL	baz=22 Hopedale	102.35 331	PFAKE LR	LR	12 07 00.0	+14
P55A	comp=Z,8um,20.0s Reedsville	98.67 324	P	P	12 06 27.7	-1.7	N47A	Urbana	100.48 328	P	Pdif	12 06 36.4	-1.1	HDIL	comp=Z,12um,21.0s Hopedale	102.35 331	P	Pdif	12 06 45.2	-0.5
K47A	baz=42 Vermontville	98.75 329	P	P	12 06 28.5	-1.1	I39A	Houston	100.52 334	PFAKE LR	LR	12 06 50.0	+12	ABVI	baz=35 Anegada Island	102.36 299	PFAKE LR	LR	12 07 00.0	+14
R58B	baz=38 Mineral	98.77 322	eP	P	12 06 28.6	-1.2	I39A	comp=Z,14um,22.0s Houston	100.52 334	P	Pdif	12 06 36.8	-0.8	Q47A	comp=Z,6um,22.0s Bedford North L	102.37 328	P	Pdif	12 06 45.9	+0.1
R58B	comp=Z,9um,22.0s		LR	LR			K42A	Prairie Point,	100.55 332	P	Pdif	12 06 37.1	-0.5	S50A	baz=39 Richmond	102.38 326	P	Pdif	12 06 46.0	+0.1
R58B	baz=43 Mineral	98.77 322	P	P	12 06 28.7	-1.2	V59A	Middlesex	100.56 321	P	Pdif	12 06 37.2	-0.7	ECS	baz=39 EROS Data Cent	102.49 337	P	Pdif	12 06 46.0	-0.3
H42A	Shiocton	98.78 332	PFAKE LR	LR	12 06 40.0	+10	BBOO	Buckleboo	100.58 122	ePdif LR	LR	12 06 37.1	-0.8	P45A	comp=Z,10um,19.0s Graceland, Par	102.50 329	PFAKE LR	LR	12 07 00.0	+14
G40A	comp=Z,14um,20.0s Rib Lake	98.82 334	eP	P	12 06 29.5	-0.5	J50A	comp=Z,17um,19.0s Jamesstown	100.59 327	P	Pdif	12 06 36.8	-1.1	P45A	comp=Z,10um,19.0s Graceland, Par	102.50 329	P	Pdif	12 06 45.9	-0.5
G40A	comp=Z,8um,21.0s Rib Lake	98.82 334	P	P	12 06 29.4	-0.6	J40A	Soldiers Grove	100.60 333	P	Pdif	12 06 37.0	-0.9	R48A	baz=36 Northridge Ran	102.53 327	P	Pdif	12 06 46.4	-0.2
M50A	baz=33 Fremont	98.83 327	PFAKE LR	LR	12 06 40.0	+10	T56A	Rocky Mt	100.62 323	P	Pdif	12 06 37.5	-0.6	LAO	baz=38 LASA Array	102.58 345	PFAKE LR	LR	12 07 00.0	+13
M50A	comp=Z,10um,19.0s Ashland	98.88 327	PFAKE LR	LR	12 06 40.0	+10	R53A	Hurricane	100.65 325	P	Pdif	12 06 37.3	-1.0	LAO	comp=Z,10um,20.0s LASA Array	102.58 345	PFAKE LR	LR	12 07 00.0	+13
P54A	comp=Z,8um,21.0s Burton	98.94 325	P	P	12 06 29.5	-1.1	BLA	Blacksburg	100.69 323	PFAKE LR	LR	12 06 50.0	+11	LAO	comp=Z,10um,20.0s LASA Array	102.58 345	P	Pdif	12 06 48.1	+1.4
L48A	baz=41 N Adams	99.06 328	P	Pdif	12 06 30.3	-0.8	BLA	Blacksburg	100.69 323	P	Pdif	12 06 37.4	-1.1	M40A	baz=20 Post Highland	102.58 332	P	Pdif	12 06 46.2	-0.6
K46A	baz=38 Dorr	99.09 330	P	Pdif	12 06 30.4	-0.8	O48A	Farmland	100.73 328	P	Pdif	12 06 37.3	-1.2	V54A	baz=41 Nebo	102.58 323	P	Pdif	12 06 46.9	0.0
S58A	baz=37 Poland Farm, P	99.12 322	PFAKE LR	LR	12 06 40.0	+8.6	CNNC	Cliffs of the	100.75 320	PFAKE LR	LR	12 06 50.0	+11	SUSD	baz=45 Miller	102.64 339	P	Pdif	12 06 47.0	0.0
S58A	comp=Z,8um,21.0s Poland Farm, P	99.12 322	P	Pdif	12 06 30.4	-1.0	CNNC	comp=Z,13um,21.0s						T51A	baz=33 Gray	102.71 325	P	Pdif	12 06 46.9	-0.5
I43A	comp=Z,8um,21.0s Langenfeld Bro	99.14 332	P	Pdif	12 06 30.9	-0.5	L43A	Garden Prairie	100.78 331	P	Pdif	12 06 38.0	-0.8	Y58A	baz=39 Scranton	102.72 320	P	Pdif	12 06 47.6	+0.1
H41A	baz=35 Junction City	99.15 333	PFAKE LR	LR	12 06 40.0	+8.6	JFWS	Jewell Farm	100.80 333	PFAKE LR	LR	12 06 50.0	+11	KMSC	baz=43 Kings Mountain	102.73 322	PFAKE LR	LR	12 07 00.0	+12
H41A	comp=Z,12um,21.0s Junction City	99.15 333	P	Pdif	12 06 30.8	-0.6	Q51A	comp=Z,8um,21.0s Peebles	100.81 326	PFAKE LR	LR	12 06 50.0	+11	S49A	comp=Z,7um,19.0s Springfield	102.74 326	P	Pdif	12 06 47.6	+0.1
G31A	baz=34 Holcombe	99.18 334	P	Pdif	12 06 30.9	-0.6	Q51A	Peebles	100.81 326	P	Pdif	12 06 38.4	-0.5	M39A	baz=32 Webster	102.78 333	P	Pdif	12 06 47.7	0.0
Q55A	baz=33 Buckhannon	99.18 324	P	Pdif	12 06 31.4	-0.4	N46A	Monticello	100.95 329	P	Pdif	12 06 38.1	-1.4	TZTN	baz=38 Tazewell	102.83 324	PFAKE LR	LR	12 07 00.0	+12
O52A	baz=42 Adamsville	99.23 326	PFAKE LR	LR	12 06 40.0	+8.1	T55A	Pulaski	100.95 323	P	Pdif	12 06 39.5	-0.2	TZTN	baz=40 Tazewell	102.83 324	P	Pdif	12 06 47.7	-0.3
O52A	comp=Z,11um,21.0s Adamsville	99.23 326	P	Pdif	12 06 31.0	-0.9	ANWB	Willy Bob	100.99 297	PFAKE LR	LR	12 06 50.0	+10	SCIA	State Center	102.83 334	PFAKE LR	LR	12 07 00.0	+12
PMG	comp=Z,8um,21.0s Port Moresby	99.25 96	PFAKE LR	LR	12 06 40.0	+7.7	R52A	comp=Z,7um,20.0s Cattlettsburg	100.99 325	P	Pdif	12 06 40.2	+0.4	U52A	comp=Z,14um,22.0s Thorn Hill	102.85 324	P	Pdif	12 06 48.7	+0.6
F37A	comp=Z,4um,22.0s Hinrichs Farm,	99.35 335	P	Pdif	12 06 31.8	-0.5	J39A	Decorah	101.03 334	P	Pdif	12 06 39.6	-0.2	WCI	baz=40 Wyandotte Cave	102.87 327	PFAKE LR	LR	12 07 00.0	+12
N50A	baz=39 Nevada	99.37 327	P	Pdif	12 06 31.9	-0.6	K41A	Shensburg	101.08 332	P	Pdif	12 06 39.3	-0.8	WCI	baz=37 Wyandotte Cave	102.87 327	P	Pdif	12 06 46.7	-1.4
H40A	baz=33 Chili	99.44 334	P	Pdif	12 06 32.4	-0.3	LLL	Lilloet	101.08 356	ePdif LR	Pdif	12 06 39.8	-1.2	N41A	baz=38 Harden Midland	102.89 332	PFAKE LR	LR	12 07 00.0	+12
I42A	baz=33 Draeger Farm,	99.45 332	PFAKE LR	LR	12 06 40.0	+7.2	P49A	Miami Univ. Ec	101.09 327	P	Pdif	12 06 39.2	-0.0	N41A	comp=Z,14um,20.0s Harden Midland	102.89 332	P	Pdif	12 06 47.9	-0.3
I42A	comp=Z,12um,20.0s Draeger Farm,	99.45 332	P	Pdif	12 06 32.5	-0.3	M44A	Midewin, Midew	101.13 330	P	Pdif	12 06 39.2	-1.1	R47A	baz=33 Wooly Knot Far	102.93 327	P	Pdif	12 06 48.1	-0.2
P53A	comp=Z,11um,21.0s Whipple	99.48 325	eP	P	12 06 33.6	+0.5	M44A	Midewin, Midew	101.13 330	P	Pdif	12 06 39.2	-1.1	P44A	baz=35 Sand Creek, Wi	102.95 329	P	Pdif	12 06 47.6	-0.8
P53A	comp=Z,23nm,0.9s		LR	LR			RABL	Rabaul	101.24 89	PFAKE LR	LR	12 06 50.0	+8.7	NEW	comp=					

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V52A	Sevierville	103.39 324	PFAKE	LR	12 07 00.0 +9.5	MPR	Mayaguez	104.81 300	PFAKE	LR	12 07 10.0 +13	KSU1	Kansas State U	106.56 335	PFAKE	LR	12 11 30.0 +15
V52A	Sevierville	103.39 324	P	Pdif	12 06 50.8 +0.3	MPR	Wood Farm, Sta	104.82 353	PFAKE	LR	12 07 10.0 +13	253A	Americus	106.58 322	PFAKE	LR	12 11 30.0 +15
O41A	Passleys Farm,	103.40 331	P	Pdif	12 06 50.7 +0.3	E09A	Luebbering	104.89 330	P	Pdif	12 06 57.1 0.0	Z50A	Ashland	106.61 324	PFAKE	LR	12 11 30.0 +15
R46A	Gibson Southern	103.46 328	P	Pdif	12 06 50.7 0.0	R42A	Cabo Rojo, PR	104.91 300	PFAKE	LR	12 07 10.0 +12	Z50A	Snow King Moun	106.64 347	PFAKE	LR	12 11 30.0 +14
C09A	Chrisman Ranch	103.56 353	PFAKE	LR	12 07 00.0 +9.0	CRPR	Longmire	104.92 355	PFAKE	LR	12 07 10.0 +13	SNOW	Teton Pass	106.65 347	PFAKE	LR	12 11 30.0 +14
Q44A	Meyer Farm, Va	103.59 329	PFAKE	LR	12 07 00.0 +8.7	LON	Dider Farm, El	104.94 353	PFAKE	LR	12 07 10.0 +13	TPAW	Midway	106.68 44	PFAKE	LR	12 11 30.0 +14
Q44A	Meyer Farm, Va	103.59 329	P	Pdif	12 06 51.6 +0.3	E08A	Sunnyside	104.95 354	PFAKE	LR	12 07 10.0 +13	TPAW	Sanae	106.71 196	PFAKE	LR	12 11 30.0 +16
Q44A	Jamestown	103.59 325	P	Pdif	12 06 52.0 +0.6	T45A	French Village	104.97 330	PFAKE	LR	12 07 10.0 +13	SNAA	Santo Domingo	106.75 302	PFAKE	LR	12 11 30.0 +14
NHSC	New Hope	103.60 320	PFAKE	LR	12 07 00.0 +8.6	T45A	Sparta	104.98 322	P	Pdif	12 06 57.9 +0.3	SDD	Red Top Meadow	106.75 347	PFAKE	LR	12 11 30.0 +14
P42A	Winchester	103.61 331	PFAKE	LR	12 07 00.0 +8.6	E07A	Calhoun	105.03 324	PFAKE	LR	12 11 20.0 +7.5	REDW	Tifton	106.76 321	PFAKE	LR	12 11 30.0 +14
P42A	Winchester	103.61 331	P	Pdif	12 06 51.7 +0.3	FVM	Sewanee	105.08 325	PFAKE	LR	12 11 20.0 +7.4	TIGA	Ogallala	106.77 339	PFAKE	LR	12 11 30.0 +14
TKL	Tuckaleechee C	103.63 324	PFAKE	LR	12 07 00.0 +8.4	FVM	Belgrade	105.08 337	PFAKE	LR	12 11 20.0 +7.5	OGNE	Bunnell	106.93 318	PFAKE	LR	12 11 30.0 +14
S47A	Hartford	103.65 327	P	Pdif	12 06 51.3 -0.3	BGNE	Hanford	105.08 354	PFAKE	LR	12 11 20.0 +7.7	H04A	Detroit Lake	107.00 355	PFAKE	LR	12 11 30.0 +14
MTP	Monte Pirata	103.67 299	PFAKE	LR	12 07 00.0 +8.0	HAWA	Smith Brothers	105.10 326	PFAKE	LR	12 11 20.0 +7.4	H04A	Boulder Array	107.05 346	PFAKE	LR	12 11 30.0 +14
W53A	Lullohee	103.68 323	P	Pdif	12 06 51.2 -0.7	V48A	Rosebud	105.13 331	P	Pdif	12 06 58.4 +0.3	BW06	Pinedale Array	107.05 346	ePdif	Pdif	12 07 04.7 -2.2
BG3	Lake Jocassee	103.70 323	PFAKE	LR	12 07 00.0 +8.1	R41A	Dillon	105.15 349	PFAKE	LR	12 11 20.0 +7.4	PDAR	Pinedale Array	107.05 346	ePdif	Pdif	12 07 16.6 +10
BG3	Lake Jocassee	103.70 323	P	Pdif	12 06 51.5 -0.4	DLMT	Fulton Ridge,	105.15 329	P	Pdif	12 06 57.4 -0.9	PDAR	Harrisburg	107.08 329	PFAKE	LR	12 11 34.2 +2.1
HRY	Holter Researc	103.73 328	PFAKE	LR	12 07 00.0 +8.1	DLMT	Liburn	105.16 323	PFAKE	LR	12 11 20.0 +7.2	PDAR	Harrisburg	107.08 329	PFAKE	LR	12 11 30.0 +14
USIN	University of	103.73 328	PFAKE	LR	12 07 00.0 +8.1	S43A	Godfrey	105.19 322	PFAKE	LR	12 11 20.0 +7.2	HBAR	Memphis-Engin	107.10 328	PFAKE	LR	12 11 30.0 +14
USIN	University of	103.73 328	P	Pdif	12 06 52.7 +0.6	GOGA	Lebam	105.23 357	PFAKE	LR	12 11 20.0 +7.5	MET	Corvallis	107.17 356	PFAKE	LR	12 11 30.0 +14
X54A	Belton	103.74 322	P	Pdif	12 06 52.0 0.0	GOGA	Beach Ranch, E	105.25 352	PFAKE	LR	12 11 20.0 +7.3	COR	Hailey	107.21 349	PFAKE	LR	12 11 30.0 +13
R45A	Skylar, Fairri	103.75 329	P	Pdif	12 06 52.0 0.0	F10A	Cathedral Cave	105.27 330	PFAKE	LR	12 11 20.0 +7.1	HLID	Lakeview Retre	107.34 324	PFAKE	LR	12 11 30.0 +13
Z57A	Bowman	103.75 320	P	Pdif	12 06 51.9 -0.2	F10A	Cathedral Cave	105.27 330	P	Pdif	12 06 58.2 -0.6	LRAL	Oxford	107.35 327	PFAKE	LR	12 11 30.0 +13
CBYP	Canovanas	103.80 300	PFAKE	LR	12 07 00.0 +7.3	CCM	Waverly	105.28 327	PFAKE	LR	12 11 20.0 +7.1	OXF	Neumayer-Watz	107.37 197	P	PKIKP	12 11 16.8 +1.2
CBYP	Canovanas	103.80 300	PFAKE	LR	12 07 00.0 +7.3	CCM	Belvidere	105.32 325	P	Pdif	12 06 57.3 -1.8	OXF	Izeze	107.37 353	PFAKE	LR	12 11 30.0 +13
T48A	Bowling Green	103.81 327	P	Pdif	12 06 52.6 +0.3	W49A	Patos De Minas	105.48 257	eP	PKIKP	12 11 12.9 -0.8	AHID	Auburn Hatcher	107.38 347	PFAKE	LR	12 11 30.0 +13
V51A	Loudon	103.81 324	PFAKE	LR	12 07 00.0 +7.6	PMNB	Brasilia	105.61 260	PP	PP	12 11 35.5 -	AHID	McAlpin	107.40 320	PFAKE	LR	12 11 30.0 +13
V51A	Loudon	103.81 324	P	Pdif	12 06 53.0 +0.6	PMNB	Brasilia	105.61 260	eP	PP	12 12 09.7 -	555A	Whigham	107.41 321	PFAKE	LR	12 11 30.0 +13
P41A	Barry, Barry	103.84 331	P	Pdif	12 06 53.3 +0.9	PMNB	Brasilia	105.61 260	eP	PP	12 12 03.7 -	VNA1	Neumayer-Stat	107.43 198	P	PKIKP	12 11 18.2 +2.6
Q43A	New Douglas	103.86 330	P	Pdif	12 06 53.4 +0.9	PMNB	Lake	105.51 347	PFAKE	LR	12 11 20.0 +6.5	PHWY	Pilot Hill	107.43 342	PFAKE	LR	12 11 30.0 +13
HUMP	Col San Antoni	103.87 300	PFAKE	LR	12 07 00.0 +7.1	PMNB	Montrose	105.60 322	PFAKE	LR	12 11 20.0 +6.4	PHWY	Pres de Saban	107.44 304	PFAKE	LR	12 11 30.0 +13
HUMP	Col San Antoni	103.87 300	PFAKE	LR	12 07 00.0 +7.1	PMNB	Brasilia	105.61 260	eP	PP	12 12 03.1 -	SDDR	Blakely	107.46 322	PFAKE	LR	12 11 30.0 +13
HODGE	Hodges	103.91 322	PFAKE	LR	12 07 00.0 +7.2	PMNB	Brasilia	105.61 260	eP	PP	12 23 52.4 -	352A	Rawlins	107.52 344	PFAKE	LR	12 11 30.0 +13
HODGE	Hodges	103.91 322	PFAKE	LR	12 07 00.0 +7.2	PMNB	Brasilia	105.61 260	eP	PP	12 25 41.9 -	352A	Whigham	107.52 344	PFAKE	LR	12 11 30.0 +13
Y55A	Saluda	103.92 322	P	Pdif	12 06 52.9 +0.1	W49A	Belvidere	105.32 325	P	Pdif	12 06 57.3 -1.8	RWWY	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
MSO	Missoula	103.95 350	PFAKE	LR	12 07 00.0 +7.1	W49A	Patos De Minas	105.48 257	eP	PKIKP	12 11 12.9 -0.8	RWWY	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
MSO	Missoula	103.95 350	P	Pdif	12 06 53.9 +1.0	PMNB	Brasilia	105.61 260	eP	PP	12 12 09.7 -	555A	Whigham	107.40 320	PFAKE	LR	12 11 30.0 +13
GRGR	Grenville	103.97 292	PFAKE	LR	12 07 00.0 +6.6	PMNB	Brasilia	105.61 260	eP	PP	12 12 03.7 -	VNA1	Neumayer-Stat	107.43 198	P	PKIKP	12 11 18.2 +2.6
GRGR	Grenville	103.97 292	PFAKE	LR	12 07 00.0 +6.6	PMNB	Brasilia	105.61 260	eP	PP	12 17 41.5 -	PHWY	Pilot Hill	107.43 342	PFAKE	LR	12 11 30.0 +13
U49A	Red Boiling Sp	103.98 326	P	Pdif	12 06 53.1 0.0	PMNB	Lake	105.51 347	PFAKE	LR	12 19 08.1 -	PHWY	Pres de Saban	107.44 304	PFAKE	LR	12 11 30.0 +13
Z56A	Williston	104.10 321	P	Pdif	12 06 54.0 +0.4	PMNB	Montrose	105.60 322	PFAKE	LR	12 20 03.7 -	SDDR	Blakely	107.46 322	PFAKE	LR	12 11 30.0 +13
SJG	San Juan	104.12 300	PFAKE	LR	12 07 10.0 +16	PMNB	Brasilia	105.61 260	eP	PP	12 20 33.1 -	352A	Rawlins	107.52 344	PFAKE	LR	12 11 30.0 +13
SJG	San Juan	104.12 300	PFAKE	LR	12 07 10.0 +16	PMNB	Brasilia	105.61 260	eP	PP	12 23 52.4 -	352A	Whigham	107.52 344	PFAKE	LR	12 11 30.0 +13
W52A	Murphy	104.14 324	PFAKE	LR	12 07 00.0 +6.1	LKWY	Lake	105.51 347	PFAKE	LR	12 25 41.9 -	RWWY	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
W52A	Murphy	104.14 324	PFAKE	LR	12 07 00.0 +6.1	LKWY	Lake	105.51 347	PFAKE	LR	12 11 20.0 +6.5	RWWY	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
CPCT	Cooper Cave	104.17 324	PFAKE	LR	12 07 10.0 +16	154A	Montrose	105.60 322	PFAKE	LR	12 11 20.0 +6.4	RWWY	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
CPCT	Cooper Cave	104.17 324	PFAKE	LR	12 07 10.0 +16	154A	Montrose	105.60 322	PFAKE	LR	12 11 20.0 +6.4	RWWY	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
D03D	Eldon	104.22 356	P	Pdif	12 06 54.8 +0.9	BDFB	Brasilia	105.61 260	eP	PP	12 11 22.3 -1.0	453A	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
T47A	Sharon Grove	104.25 327	PFAKE	LR	12 07 10.0 +16	BDFB	Brasilia	105.61 260	eP	PP	12 11 22.3 -1.0	453A	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
T47A	Sharon Grove	104.25 327	PFAKE	LR	12 07 10.0 +16	BDFB	Brasilia	105.61 260	eP	PP	12 11 22.3 -1.0	453A	Whigham	107.61 321	PFAKE	LR	12 11 30.0 +13
T47A	Sharon Grove	104.25 327	P	Pdif	12 06 55.2 +0.9	F07A	Phinny Hill Vi	105.61 354	PFAKE	LR	12 11 20.0 +6.7	250A	Grady	107.79 323	PFAKE	LR	12 11 30.0 +12
LTY	Liberty	104.33 355	PFAKE	LR	12 07 10.0 +15	F07A	Phinny Hill Vi	105.61 354	PFAKE	LR	12 11 20.0 +6.7	250A	Grady	107.79 323	PFAKE	LR	12 11 30.0 +12
LTY	Liberty	104.33 355	PFAKE	LR	12 07 10.0 +15	H17A	Grant Village	105.71 347	PFAKE	LR	12 11 30.0 +16	250A	Grady	107.79 323	PFAKE	LR	12 11 30.0 +12
SLM	Saint Louis	104.35 330	PFAKE	LR	12 07 10.0 +15	H17A	Grant Village	105.71 347	PFAKE	LR	12 11 30.0 +16	PINE	Pine Mountain	107.79 354	PFAKE	LR	12 11 30.0 +12
SLM	Saint Louis	104.35 330	PFAKE	LR	12 07 10.0 +15	H17A	Grant Village	105.71 347	PFAKE	LR	12 11 30.0 +16	PINE	Pine Mountain	107.79 354	PFAKE	LR	12 11 30.0 +12
D08A	Wollman Farm,	104.36 353	PFAKE	LR	12 07 10.0 +15	GRTK	Grand Turk	105.72 306	PFAKE	LR	12 11 30.0 +16	HHAR	Hobbs	107.92 331	PFAKE	LR	12 11 30.0 +12
D08A	Wollman Farm,	104.36 353	PFAKE	LR	12 07 10.0 +15	GRTK	Grand Turk	105.72 306	PFAKE	LR	12 11 30.0 +16	HHAR	Hobbs	107.92 331	PFAKE	LR	12 11 30.0 +12
S45A	Carrier Mills	104.39 328	P	Pdif	12 06 55.2 +0.3	PARMO	Parma	105.75 329	PFAKE	LR	12 11 20.0 +6.2	CBKS	Cedar Bluff	107.94 337	PFAKE	LR	12 11 30.0 +12
STKA	Stephens Creek	104.39 119	Pdif	Pdif	12 06 53.0 -1.8	PARMO	Parma	105.75 329	PFAKE	LR	12 11 20.0 +6.2	CBKS	Cedar Bluff				



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MOIG Morelia, MWH Mokuaweowe, GO01 Chuzmiza, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include PLCA Paso Flores, HIZ Huiti, SNZO South Karori, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include TORO Torodi Arr, TOA1 Torodi Arr, DBIC Dimbokro, etc.

ISC 09 12:04:45.0,3.28,43N,0.04,51.72E,0.04,h24km,n185,  
e1514/191,mb4.7,100,Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Kazeroun, Shiraz, Jahrom, Mehriz, Umh Al-Quwain, etc.

Table with columns: KEST, Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Kesra, Kazeroun, FIAO, FINESS Array S, etc.

Table with columns: WRI, WRA, ASAR, AS31, Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Warramunga Arr, Alice Springs, etc.

MOS 09 12:05:37.7,0.9,28.40N,51.60E,h12km,mb5.4/96, Error ellipse: s-maj=5.3km s-min=3.2km az=107.0  
BUJ 09 12:05:37.8,28.50N,51.70E,h2km,mb5.3/58,mb6.1/15, comp=Z,1.1nm,0.7s,baz=303,slow=6.5,SNR=16  
ISCJB 09 12:05:39.0,0.8,28.41N,0.02,51.63E,0.02,h19km,5km, mb5.3/25,MS6.2/1, Error ellipse: s-maj=3.6km s-min=2.3km az=20.7  
IDC 09 12:05:40.5,1.7,28.46N,51.68E,h16km,9km,mb5.1/43, mb1.5/1.50,mb1mx5.1/55,mbtmp5.2/50,ML4.2/6,MS5.4/3, Ms1.5.4/3,ms1mx4.7/69, Error ellipse: s-maj=9.2km s-min=8.6km az=175.0  
NEIC 09 12:05:41.0,0.0,28.46N,51.56E,h11km,mb5.4/200, ML5.1(THR),MN5.3(TEH),After TEH  
NEIC Fell (I) at Doha, Qatar. Fell (II) at Dubai, United Arab Emirates. Also fell at Abu Dhabi and Sharjah. Fell at Manama, Bahrain, at Al Muhadh, Kuwait and at Ad Dhamran and Dhahran, Saudi Arabia  
TEH 09 12:05:41.1,28.46N,51.56E,h11km,ML5.3  
THR 09 12:05:41.5,0.0,28.55N,51.53E,h36km  
ISC 09 12:05:40.5,0.5,28.41N,0.03,51.64E,0.03,h17km,2km, n845,e1519/941,mb5.4/328,34C-26,Southern Iran



Table with columns: IDI, Anoyia, 23.69 294 P P, 12 10 52.9 +1.4, AKASG Malin Array Be, 27.98 329 P P, 12 11 29.5 -0.7

Table with columns: NRRN, Naryn, 23.73 50 eP Pmax, 12 10 50.9 -1.3, AKASG comp=Z,3.1nm,0.5s,baz=100,slow=2.5,SNR=4.3, 12 16 23.1 +1.0

Table with columns: NRRN, Naryn, 23.73 50 eP Pmax, 12 10 50.9 -1.3, AKASG comp=Z,3.6nm,0.5s,baz=100,slow=2.5,SNR=4.3, 12 16 23.1 +1.0



9d 12h

2013 APR

Table with columns for station code, name, coordinates, and various performance metrics (e.g., GYA, PBRO, TOAO, etc.).

Table with columns for station code, name, coordinates, and various performance metrics (e.g., SCO, DAG, PMAR, PMOZ, etc.).

Table with columns for station code, name, coordinates, and various performance metrics (e.g., MAJO, MAT, MJAR, BILL, etc.).

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include SCRK Sand Creek, NWA0 Narragin (SRO), NWA0 Narragin (SRO), NWA0 Narragin (SRO), NWA0 Narragin (SRO), DOT Dot Lake, DAWY Dawson, PQI Presque Isle, DHY Denali Highway, SVW2 Sparrevohn, MENT Mentasta, CHGQ Chibougamau, YKWS Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, LATQ La Tuque, LSQO Label-sur-Quev, HYT Haines Junction, LBNH Lisbon, LBNH Lisbon, LBNH Lisbon, D54A Lac Fusel, ALFO Alfred, KDAK Kodiak Island, E54A Lac Daplat, LONY Lake Ozonia, LONY Lake Ozonia, F55A Otter Lake, D52A ZEK Kipawa Sen, E53A Dumoine, P51A Lot 18 Range I, P52A Pembroke, G55A Calabogie, ALGO Algonquin Park, E52A Mattawa, WRA Warramunga Arr, WR1 Warramunga Arr, WR1 Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, WRAB Tennant Creek, WB2 Warramunga Arr, H56A Elgin, PLVA Plevna, E51O G1948 Merrick, DLBC Dease Lake, FORT Fort Frances, H55A Tweed, BANO Bancroft, F52A Sundridge, D48A Paudash Townsh, DELO Deloro Mine, G53A Hallburton, G51A Arnstein, E50A Wahnapiitae, BUKO Buck Lake, FFC Flin Flon, FFC Flin Flon, D47A Chisleau, KLBO Killbear Provi, E48A Lockeyer, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, AS01 Alice Springs, BINY Binghamton, D46A Sault Ste Mari, F49A Sandfield, E47A Iron Bridge, F48A Evansville, E46A Sault Ste Mari, BWLO Walkerton, L55A Hingsdale, E44A Grand Marais A, MAW Mawson, MAW Mawson, MAW Mawson, MAW Mawson, JS2A Paris, C40A Isle Royale Na, G47A Hillman, ULM Lac du Bonnet, E43A Lone Tree Farm

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include M55A Ridgway, F44A Big Bay de Noc, SSPA Standing Stone, F43A Flat Rock, Esc, N55A Marion Center, J48A Bridge Port, G43A Wallace, E39A Mellen, G40A Rib Lake, P54A Burton, G39A Holcombe, H40A Chili, I42A Draeger Farm, S57A Dark Hollow, R, G54A Coxs Mills, O51A Pataaskala, J43A Natural Harves, T58A Grand View Acr, U55A TA2, Sparta, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, NV01 Mina Array Sit, INVAR Mina Array Sit, SIV San Ignacio, CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida, TXAR Lajitas Array, TXAR Lajitas Array, QSPA South Pole Qui, QSPA South Pole Qui, VVND Vanda, VVND Vanda, TGHU Teeguigalpa, LPZ La Paz, LPZ La Paz, CMIG Matias Romero, OTAV Otavalo, OTAV Otavalo, TRQA Torquait, TRQA Torquait, GO01 Chuzmistia, PB11 IPOC Station P, LVC Limon Verde, LVC Limon Verde, LVC Limon Verde, GO02 Mina Guanaco, RPZ Rata Peaks, LCO Las Campanas, LCO Las Campanas, GO04 Tololo Observa, PLCA Pico Flores, GO06 Curarrehue

SO F 09 12:09:28.9, 42°28'N, 26°21'E, h5km, Bulgaria
Code Station Name Az Az' Phase ID Time Res ISC h m s ISC
JMB Yambol 0.33 56 i Op P 12 09 35.2 +0.2
DIM Dimitrovgrad 1.15 46 i Pg P 12 09 39.5 0.0
ROIA ROIAK 0.58 246 P Pn 12 09 52.7 +0.6

IDC 09 12:12:31.0, 1.1, 28°35'N, 51°69'E, h0km, mb3.8/6, mb1 4.17, mb1mx3.7/52, mbtmp3.9/7, ML3.8/1, Error ellipse: s-maj=42.6km s-min=23.6km az=42.0
ISC/JB 09 12:12:32.7, 0.9, 28°3'N, 0°25'1.7E, 0.2, h24km, mb3.8/6, Error ellipse: s-maj=38.3km s-min=15.6km az=42.0
ISC 09 12:12:34.7, 1.0, 28°3'N, 0°25'1.7E, 0.2, h24km, n7, t1925/7, mb3.8/6, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include WSAR Wadi Sarin, FINES FINES Array B, NOA NORARS Array B, TORD Torodi Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, ASAR Alice Springs, ASAR Alice Springs

IDC 09 12:14:25.6, 1.5, 28°39'N, 51°61'E, h0km, mb4.2/5, mb1 3.8/5, mb1mx3.4/50, mbtmp3.7/5, Error ellipse: s-maj=42.8km s-min=35.9km az=53.0, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include FINES FINES Array B, NOA NORARS Array B, TORD Torodi Ar, YKA Yellowknife Ar, ASAR Alice Springs, ASAR Alice Springs

IDC 09 12:15:08.9, 0.7, 28°39'N, 51°61'E, h0km, mb4.2/5, mb1 4.4/29, mb1mx4.2/54, mbtmp4.3/29, ML4.0/4, Error ellipse: s-maj=17.0km s-min=13.4km az=12.0
ISC/JB 09 12:15:10.5, 0.3, 28°39'N, 0°35'1.5E, 0.0, h24km, mb4.3/48, Error ellipse: s-maj=5.5km s-min=2.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include NEIC 09 12:15:13.0, 0.0, 28°43'N, 51°57'E, h28km, mb4.4/30, MN4.4 (TEH), After TEH, TEH 09 12:15:13.1, 28°43'N, 51°57'E, h28km, ML4.4, DSN 09 12:15:13.1, 0.8, 28°57'N, 51°86'E, h10km, ML4.0/1, Error ellipse: s-maj=10.5km s-min=4.6km az=2.0, OMAN 09 12:15:15.9, 0.4, 28°70'N, 52°21'E, h20km, Error ellipse: s-maj=32.4km s-min=5.6km az=232.0, ISC 09 12:15:12.2, 0.4, 28°41'N, 0°05'51.5E, 0.05, h24km, n129, t1938/145, mb4.3/48, Southern Iran

9d 12h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I SC. Includes stations like Makanchi Array, Kurchatov, Klimovskoe, etc.

ISCJB 09 12:15:17.3-0.5, 23.93N-0.03, 122.66E-0.02, h23km, 4km, Error ellipse: s-maj=5.3km s-min=2.6km az=168.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I SC. Includes stations like YONG, YOJ, YOY, EOS1, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I SC. Includes stations like JKR5, WHF, EHY, etc.

ISK 09 12:18:07.9, 37.09N-28.47E, h5km, ML3.7/27, ISCJB 09 12:18:08.9, 37.12N-0.02, 28.43E-0.02, h6km, 3km, Error ellipse: s-maj=2.9km s-min=2.7km az=174.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I SC. Includes stations like YER, YOR, YOS, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I SC. Includes stations like KULA, KUL, SMG, etc.

ISC 09 12:18:06.2, 1.0, 28.20N-51.72E, h0km, mb3.9/13, mb1.4/1.7, mb1mx3.9/5.4, mbtmp4.0/17, ML3.9/4, Error ellipse: s-maj=22.9km s-min=17.0km az=163.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, I SC. Includes stations like IKAZ, SHI, JHRM, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like WSAR, GYA08, GNI, TBLG, etc.

ROM 09 12:27:03.7-0.1, 37.210N; 0.009-14.517E; 0.007, h26km, ML1.6/2, Error ellipse: s-maj=0.9km s-min=0.5km az=174.0, Sicily

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like HBSP, RAFF, HVZN, etc.

IDD 09 12:27:02.3-1.1, 28.31N; 51.68E, h0km, mb3.8/6, mb1 3.8/8, mb1mx3.5/60, mbtmp3.7/8, ML3.4/2, MS4.8/1, Ms1 4.8/1, ms1mx4.0/63, Error ellipse: s-maj=29.5km s-min=24.5km az=8.0

ISCJB 09 12:27:03.9-0.7, 28.17N; 0.08-51.66E; 0.09, h24km, mb3.8/6, MS4.6/1, Error ellipse: s-maj=11.9km s-min=10.6km az=147.7

TEH 09 12:27:05.9, 28.40N; 51.79E, h16km, ML3.4

ISC 09 12:27:06.0-0.9, 29.32N; 0.09-51.70E; 0.10, h24km, n17, <095/15, mb3.7/6, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like IKAZ, SHI, IPAR, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like IRAM, IMEH, IMEH, etc.

IDD 09 12:28:45.2-1.8, 28.35N; 51.63E, h0km, mb3.7/6, mb1 3.8/8, mb1mx3.4/58, mbtmp3.7/8, ML3.4/2, Error ellipse: s-maj=46.0km s-min=24.6km az=39.0

ISCJB 09 12:28:47.1-1.2, 28.4N; 0.2-51.7E; 0.12, h24km, mb3.7/6, Error ellipse: s-maj=34.4km s-min=19.3km az=42.9

ISC 09 12:28:48.9-1.3, 28.4N; 0.2-51.7E; 0.12, h24km, n8, <057/8, mb3.8/6, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like WSAR, BRTR, KURBB, etc.

IDD 09 12:31:35.8-0.8, 28.37N; 51.61E, h0km, mb4.0/5, mb1 4.1/29, mb1mx4.0/59, mbtmp4.1/29, ML3.5/2, Error ellipse: s-maj=18.5km s-min=13.2km az=7.0

ISCJB 09 12:31:36.8-0.3, 28.32N; 0.04-51.41E; 0.04, h24km, mb4.1/38, Error ellipse: s-maj=6.2km s-min=4.8km az=4.2

THR 09 12:31:37.6-0.0, 28.51N; 51.50E, h14km, TEH 09 12:31:37.8, 28.48N; 51.48E, h10km, ML4.1

NEIC 09 12:31:37.8, 28.48N; 51.48E, h10km, mb4.4/17, ML3.7(THR), MN4.1(TEH), After TEH

ISC 09 12:31:38.9-0.5, 28.30N; 0.06-51.51E; 0.05, h24km, n89, <129/94, mb4.1/38, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like GHIR, IKAZ, SHI, etc.

IDD 09 12:39:15.7-1.5, 28.43N; 51.54E, h0km, mb3.8/6, mb1 3.9/7, mb1mx3.5/54, mbtmp3.7/7, ML3.4/1, Error ellipse: s-maj=67.3km s-min=40.8km az=121.0

ISCJB 09 12:39:19.5-2.8, 28.41N; 0.3-51.5E; 0.13, h24km, n7, <057/27, mb3.7/6, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like BRTR, GERES, FINES, etc.

IDD 09 12:39:15.7-1.5, 28.43N; 51.54E, h0km, mb3.8/6, mb1 3.9/7, mb1mx3.5/54, mbtmp3.7/7, ML3.4/1, Error ellipse: s-maj=67.3km s-min=40.8km az=121.0

ISCJB 09 12:39:19.5-2.8, 28.41N; 0.3-51.5E; 0.13, h24km, n11, <057/41, mb3.5/9, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like WSAR, BRTR, BVAR, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like ZALV, ZAA1, FIA0, etc.

IDD 09 12:40:55.0-1.0, 28.58N; 52.49E, h0km, 210km, ML4.8

MOS 09 12:41:02.6-1.0, 28.39N; 51.63E, h13km, mb4.8/41, Error ellipse: s-maj=23.6km s-min=22.3km az=102.0

IDD 09 12:41:02.6-1.0, 28.35N; 51.66E, h0km, mb4.5/31, mb1 4.6/37, mb1mx4.5/57, mbtmp4.5/37, ML3.9/5, Error ellipse: s-maj=15.0km s-min=10.4km az=9.0

BUI 09 12:41:02.8, 28.40N; 51.70E, h10km, mb4.9/42, mb5.4/6, MS5.3/6, M57 5.1/6

THR 09 12:41:03.9-0.0, 28.70N; 51.56E, h25km

NEIC 09 12:41:04.0-0.0, 28.48N; 51.64E, h10km, mb4.7/76, ML3.7(THR), MN4.5(TEH), After TEH

NEIC Fell at Shiraz

TEH 09 12:41:04.6, 28.48N; 51.64E, h10km, ML4.5

ISCJB 09 12:41:05.6-2.8, 28.38N; 0.02-51.59E; 0.12, h33km, 5km, mb4.7/71, MS5.2/29, Error ellipse: s-maj=3.9km s-min=2.1km az=42.8

OMAN 09 12:41:09.9-1.3, 28.17N; 51.56E, h63km, 22km, mb5.2/2, Error ellipse: s-maj=21.0km s-min=10.4km az=49.0

DSN 09 12:41:29.2-5.2, 27.58N; 53.31E, h10km, ML4.2/10, Error ellipse: s-maj=56.4km s-min=11.4km az=136.0

ISC 09 12:41:04.9-0.6, 28.43N; 0.04-51.69E; 0.10, h13km, 3km, n382, <1857/427, mb4.7/139, 11C, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res, ISC. Includes stations like WSAR, BRTR, BVAR, etc.



9d 12h

2013 APR

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like SHI Shiraz, JHRM Jahrom, IPAR Pars, ZNGN Zangian, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like ASF Jabal al Asfar, KARS Kars, DAMY Dhamar, ZEI Tsey, KBL Kabul, etc.

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like LIT Litokhoron, VTS Vitosh, HYB Hyterabad, FNA Florina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, Res. Rows include stations like Vasula, Ulice, Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, Res. Rows include stations like Chaiyaphum, Nongkai, Xian, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, Res. Rows include stations like WSAR Wadi Sarin, BRTR Keskin Array, etc.

MEX 09 12:43:03.1±0.8, 15.73N-98.06W, h17km, 18km, DM3.8, Off coast of Guerrero

ISCN 09 12:44:30.9±1.1, 28.40N-51.76E, h0km, mb3.9/10, mb1.4/0.12, mb1mx3.7/56, mbtmp3.9/12, ML3.9/2, Error ellipse: s-maj=25.6km s-min=20.8km az=9.0







Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: FITZ, YKA, ASAR, and other station identifiers, along with frequency, power, and mode information.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for various radio stations.





Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Array B, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SUMG Summit, USRK Ussuriysk Arr, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like HLID Hailey, TMUT Trail Mountain, etc.

ISCJ 09 13:34:35.4-4.7, 15.875S:177.90W, h384km, 48km, mb3.8/15, mb1 4.0/15, mb1mx3.7/41, mbtp4.5/15, Error ellipse: s-maj=18.5km s-min=15.0km az=99.0

ISCJ/B 09 13:34:38.9-0.2, 15.875S:175.08W, h108.0/0.7, h432km, mb4.3/41, Error ellipse: s-maj=9.9km s-min=5.2km az=31.3

NEIC 09 13:34:42.9-0.8, 15.835S:178.12W, h465km, 9km, mb4.4/30, Error ellipse: s-maj=9.3km s-min=4.8km az=130.0

ISC 09 13:34:40.0-0.5, 15.875S:178.17W, h10.1, h432km, n95, a1913/93, mb4.4/41, Fijl Islands region

ISC 09 13:35:12.5-1.7, 28.10N:51.746E, h0km, mb3.5/3, mb1 3.7/4, mb1mx3.3/56, mbtp3.7/4, ML4.0/1, Error ellipse: s-maj=45.5km s-min=33.0km az=51.0, Southern Iran

ISC 09 13:36:33.4-0.7, 28.22N:51.62E, h0km, mb4.1/22, mb1 4.3/26, mb1mx1.1/55, mbtp4.1/26, ML3.7/4, Error ellipse: s-maj=18.0km s-min=12.8km az=2=0

ISC 09 13:36:34.0-0.3, 28.25N:51.51E, h0.03, h16km, mb4.2/38, Error ellipse: s-maj=5.1km s-min=3.6km az=41.7

NEIC 09 13:36:35.0-2.9, 28.19N:51.61E, h13km, 17km, mb4.2/16, ML3.9(THR), MN4.0(TEH), Error ellipse: s-maj=7.1km s-min=4.7km az=191.0

THR 09 13:36:36.7, 28.35N:51.51E, h14km, ML3.9 TEH 09 13:36:37.2, 28.43N:51.66E, h17km, ML4.0 DSN 09 13:36:42.1-0.9, 28.19N:51.97E, h10km, ML4.1/7, Error ellipse: s-maj=19.1km s-min=6.8km az=30.0

ISC 09 13:36:36.4-0.5, 28.30N:0.06S, h16km, n102, a1835/109, mb4.2/40, Southern Iran

Code Station Name Az El Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Resolution, h, m, s, ISC. Includes stations like WSAR Wadi Sarin, FINES FINESS Array B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like KHGB Koh Gabri, NAZ Nazwa, Dubai, and various array stations like MSFE Esma-Masafi.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like IKAZ Kazeroun, SHI Shiraz, and various array stations like GURO Guroymak-BITLIS.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like IKAZ Kazeroun, SHI Shiraz, and various array stations like NOA NORSAR Array B.

ISK 09 13:38:16.3, 38°27N, 43°23E, h26km, ML2.8/6
DDA 09 13:38:17.3, 38°27N, 43°17E, h7km, 6km, ML2.9
ISCJB 09 13:38:18.0, 0.7, 38°29N, 0.03, 43°22E, 0.03, h12km, 8km, Error ellipse: s-maj=5.9km s-min=4.3km az=38.3

TEH 09 13:42:04.1, 28°39N, 51°59E, h0km, mb3.9/14, mb1.4/17, mb1mx3.9/44, mbtmp4.0/17, ML3.5/3, Error ellipse: s-maj=23.4km s-min=18.7km az=19.0
ISCJB 09 13:42:06.0, 28°30N, 0.1, 0.6, 28°30N, 0.1, 0.6, h24km, mb3.9/18, Error ellipse: s-maj=8.2km s-min=7.3km az=149.1

ISCJB 09 13:55:42.0, 6.21, 30S, 0°03, 68°6W, 0.1, h135km, 7km, mb3.4/2, Error ellipse: s-maj=15.8km s-min=6km az=2.1
GUC 09 13:55:43.0, 0.5, 21°31S, 68°54W, h136km, 3km, ML3.3
ISC 09 13:55:43.0, 0.1, 21°29S, 0.04, 68°48W, 0.09, h127km, 9km, n21, 0.987/36, 10C, 5D, Chile-Bolivia border region



az=148.0
MOS 09 14:35:55.0+0.7,50.76N:160.27E,h41km,mb4.5/3,Error
ellipse: s-maj=12.6km s-min=4.3km az=101.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like KODTR, KODTR, KODTR, etc.

Table with columns: BRVK, Borovoye, 52.06 310, eP, P, 14.45 01.7 -0.4. Rows include AAK, NVAR, PDAR, etc.

ISON 09 14:44:44.8+1.1, 28.06N:51.87E, h8km, mb4.8/4,
BJU 09 14:44:50.4, 28.40N:51.70E, h10km, mb4.8/4.5, mb5.0/1.9,
Ms4.5/1.1, Ms7.4/4.1/1
IDC 09 14:44:51.1+0.4, 28.42N:51.68E, h0km, mb4.6/4.1,
mb1.4/7.0, mb1mx4.6/6.7, mbtmp4.6/5.0, ML3.9/7, MS4.0/2,
ms1.4/0.2, ms1mx3.3/4.5, Error ellipse: s-maj=10.1km
s-min=7.7km az=26.0
MOS 09 14:44:51.3+1.1, 28.47N:51.64E, h12km, mb4.9/5.0,
Ms4.0/5.1, Error ellipse: s-maj=5.8km s-min=3.8km
az=103.2
NEIC 09 14:44:52.5-0.2, 28.41N:51.67E, h10km, mb4.8/7.7,
ML4.6(THR), MN4.7(TEH), Error ellipse: s-maj=3.7km
s-min=2.7km az=191.0
NEIC Felt at Doha, Qatar and at Dubai, United Arab Emirates.
ISCJB 09 14:44:53.0+0.1, 28.41N:51.59E, h2km, mb4.8/1.61, Error ellipse: s-maj=2.9km s-min=1.7km
az=38.0
THR 09 14:44:54.2, 28.52N:51.53E, h30km, ML4.6
TEH 09 14:44:54.3, 28.49N:51.59E, h20km, ML4.7
OMAN 09 14:44:56.0+0.1, 28.41N:51.60E, h25km, mb5.3/4, ml5.1/9,
ms4.9/1, Error ellipse: s-maj=4.5km s-min=1.0km az=44.0
DSN 09 14:44:56.2+0.7, 28.55N:51.90E, h10km, mb4.9/3,
ML4.9/1.1, Error ellipse: s-maj=14.4km s-min=6.0km
az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include GHIR, GHIR, GHIR, etc.

Table with columns: KRSH, Karshahi, 5.54 4 ePn, Pn, 14.46 15.9 -0.1. Rows include ALNE, ALNE, ALNE, etc.





Table of seismic events for 9th 15h, listing station names, magnitudes, depths, and times. Includes stations like CHIANG MAI, CM31, CMAR, etc.

Table of seismic events for 2013 APR, listing station names, magnitudes, depths, and times. Includes stations like SUMG, USRK, TGY, etc.

Table of seismic events for 506, listing station names, magnitudes, depths, and times. Includes stations like WSAR, MKAR, ZALV, etc.

Table with header 'SJA 09 14:49:57.3... MW3.6, Juyjuy Province' and columns for Code, Station Name, Magnitude, Depth, Phase ID, Time, Res.

Table with header 'IDC 09 14:50:43.6... mb3.4/7, mb1.3/8...' and columns for Code, Station Name, Magnitude, Depth, Phase ID, Time, Res.

Table with header 'ISJCJB 09 15:00:21.0... mb3.5/4, Error ellipse: s-maj=12.8km...' and columns for Code, Station Name, Magnitude, Depth, Phase ID, Time, Res.

Table with header 'ISJCJB 09 15:05:44.8... mb4.2/4, MS4.0/2, Error ellipse: s-maj=3.9km...' and columns for Code, Station Name, Magnitude, Depth, Phase ID, Time, Res.

Table with header 'ISJCJB 09 15:05:45.9... mb4.2/4, MS4.0/2, Error ellipse: s-maj=3.9km...' and columns for Code, Station Name, Magnitude, Depth, Phase ID, Time, Res.



9d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Esma-Masafi, Al Faqa, Hatta, Cheشمه madani, Ashiyah, etc.

THR 09 15:26:10.8, 28.46N, 51.84E, h36km, ML3.5
IDC 09 15:26:11.3, 0.9, 28.30N, 51.55E, h0km, mb3.9/14,
mb1 4.0/17, mb1mx3.8/43, mbtmp3.9/17, ML3.6/3, Error
ellipse: s-maj=20.3km s-min=18.0km az=170.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ghir-Karzin, Kazeroun, Shiraz, Jahrom, Pars, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Keskin Array B, Akbulak array, Aktyubinsk, etc.

ISJCJB 09 15:34:01.6, 1.2, 28.4N, 0.2, 51.1E, 0.1, h10km, mb3.5/9,
Error ellipse: s-maj=25.0km s-min=17.7km az=169.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Keskin Array B, Aktyubinsk, Borovoye Arra, etc.

DRS 09 15:38:32.5, 0.0, 41.80N, 46.01E, h8km, ML2.6/2
THR 15:38:37.8, 0.4, 19.2N, 46.16E, h11km, f1km,
ISJCJB 09 15:38:39.0, 0.5, 41.78N, 0.3, 46.32E, 0.04, h33km, Error
ellipse: s-maj=5.1km s-min=3.2km az=148.5

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TKB, Tkbuli, ISCJB 09 15:49:03.3, etc.

ROM 09 15:59:32.0, 1.46, 135N, 0.007, 11.18E, 0.01, h10km,
Mdl1.6/3, ML3.5/1, Error ellipse: s-maj=1.0km
s-min=0.6km az=314.0, Northern Hemisphere

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

ISJCJB 09 16:02:09.4, 0.6, 7.63N, 0.03, 126.67E, 0.06, h74km, 6km,
mb3.8/13, Error ellipse: s-maj=9.3km s-min=4.4km
az=170.1

IDC 09 16:02:11.6, 2.0, 7.70N, 126.69E, h80km, 19km, mb3.6/13,
mb1 3.8/15, mb1mx3.6/51, mbtmp4.0/15, MS2.8/1,
Ms1 2.8/1, mb1mx2.4/45, Error ellipse: s-maj=25.0km
s-min=11.8km az=74.0

MAN 09 16:02:11.3, 7.65N, 126.41E, h23km, MS3.4
ISJCJB 09 16:02:10.2, 0.8, 7.61N, 0.03, 126.64E, 0.06, h64km, 8km,
n38, r187/56, mb3.8/13, 3C-5D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Bislig, Mati, Davao City, Musuan, etc.









Table of seismic data for stations 9d and 17h, including columns for station name, time, and magnitude.

Main table of seismic data for stations ULM, Lac du Bonnet, and MEX, including columns for station name, time, and magnitude.

Table of seismic data for stations IDC, ISCJB, and various international stations like MJAR, H1N1, H1N2, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KK31 Karant Array, KK31 3.6nm,0.6s, KK31 3.0nm,0.3s, etc.

IDC 09 17:51:28.0, 28.66N, 106.78E, h0km, mb3.77, mb1 3.79, mb1mx3.5/50, mbtmpp3.6/9, ML3.4/2, MS3.3/1, Ms1 3.3/1, ms1mx2.5/48, Error ellipse: s-maj=49.2km s-min=16.5km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like CMAR Chiang Mai Arr, SONM Songino Array, JNU Nakatsue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KAZERON Kazeroun, SHIRAZ Shiraz, JHRM Jahrom, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like AKTO comp=Z,0.6nm,0.3s, AAK Ala-Archa, MLR Muntele Rosu, etc.

IDC 09 18:09:51.6, 1.7, 28.30N, 51.82E, h0km, mb3.4/6, mb1 3.5/8, mb1mx3.4/48, mbtmpp3.6/9, ML3.1/2, Error ellipse: s-maj=36.0km s-min=25.7km az=26.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like WSAR Wadi Sarin, BRTR Keskin Array B, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like SCPH Surgaog, BUTP Butuan, BIFP Bislig, etc.

s-min=10.8km az=3.0 ISCJB 09 18:31:53.2, 0.2, 2.87S, 102.139E, 0.03, h46km, mb4.9/97, MS4.2/27, Error ellipse: s-maj=4.4km s-min=3.5km az=178.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like SAUI Saumlaki, PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like WB2 Warramunga Arr, WB2 Warramunga Arr, WB1 Warramunga Arr, etc.







9d 19h

Table of station data for 9d 19h, including station names like SHME, TVBK, IKLH, and various parameters such as frequency, power, and status.

2013 APR

Main table of station data for 2013 APR, listing stations like Alexandroupoli, Storozhevoje, KDJ, and their respective frequencies and powers.

518

Table of station data for 518, including stations like DBIC, SEY, MA2, and their parameters.

ISCJB 09 19:03:58.740.5, 7.03S, 0.04, 129.70E, 0.07, h150km, mb3.67, Error ellipse: s-maj=10.5km s-min=6.2km az=3.2

Table of station data for 518, including stations like Code, Station Name, and various parameters.

PRU 09 19:04:57.0, 50.28N x 18.83E, h0km, Poland

Table of station data for PRU 09 19:04:57.0, 50.28N x 18.83E, h0km, Poland, including stations like CHZP, OKC, and their parameters.

ISN 09 19:10:24.3, 1.4, 27.92N, 52.04E, h31km, 712km, ML2.8, DSN 09 19:10:39.6, 1.0, 28.40N, 52.15E, h10km, ML3.79, Error ellipse: s-maj=18.7km s-min=5.0km az=15.0

Table of station data for 518, including stations like IKAZ, SHI, ISRV, and their parameters.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like KRBR, TVBK, NAZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like BVAR, MAKZ, KURBB, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like JUNU, KSRSS, H11N1, etc.

ICD 09 19:30:40.6, 0.9, 2.73S: 139.30E, h0km, mb3.6/6, mb1 3.9/9, mb1mx3.6/42, mbtmt3.8/9, ML3.8/3, MS3.1/2, MS1 3.1/2, ms1mx2.7/30, Error ellipse: s-maj=22.9km s-min=12.9km az=164.0





























Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like COLL, FINES, NOA, TORO, etc.

ISC 09 22:28:06.9.3.0, 14.138N, 52.14E, h0km, mb3.7/10, mb1.3/9.10, mb1mx3.6/36, mbtmp3.7/10, MS3.6/3, Ms1.3/3, ms1mx2.9/52, Error ellipse: s-maj=65.5km s-min=26.3km az=13.0

ISCJB 09 22:28:07.1.2.4, 14.14N, 0.4:5E, 1E:0.2, h15km, mb3.6/10, MS3.5/3, Error ellipse: s-maj=52.7km s-min=20.6km az=13.7

ISC 09 22:28:09.1.2.7, 14.41N, 0.4:52E, 0.2, h15km, n12, 0.956/10, mb3.5/10, MS3.2/3, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like BRTR, KBZ, AAK, AKASG, etc.

ISCJB 09 22:28:15.8.0.5, 9.15S, 0.06:120.57E, 0.03, h19km, 4km, mb3.8/5, Error ellipse: s-maj=10.0km s-min=5.5km az=2.4

DJA 09 22:28:18.8.0.4, 9.15S, 4:12E, h86km, 6km, MB3.7/10, MLV3.7/10

ISC 09 22:28:23.9.3.4, 8.60S, 121.55E, h173km, 25km, mb3.4/5, mb1.3/5.8, mb1mx3.2/44, mbtmp3.9/8, Error ellipse: s-maj=119.0km s-min=11.9km az=57.0

ISC 09 22:28:16.5.0.8, 9.27S, 0.07:120.57E, 0.04, h114km, 7km, n17, 1.981/27, mb3.7/5, Sumba region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like WSI, BASI, EDFI, etc.

ISCJB 09 22:26:11.8.0.4, 28.09N, 0.03:51.57E, 0.04, h10km, mb3.6/10, MS4.2/1, Error ellipse: s-maj=6.1km s-min=2.4km az=153.2

ISC 09 22:26:12.1.1.3, 28.16N, 51.51E, h0km, mb3.6/10, mb1.3/6.11, mb1mx3.5/43, mbtmp3.6/11, ML3.7/1, MS3.4/3, Ms1.3/4.3, ms1mx2.8/43, Error ellipse: s-maj=27.6km s-min=20.3km az=166.0

TEH 09 22:26:13.1.28, 14N, 51.56E, h16km, ML3.6, THR 09 22:26:16.7.28, 14N, 51.78E, h14km, ML3.4, DSN 09 22:26:17.3.0.9, 28.14N, 51.95E, h10km, ML3.6/8, Error ellipse: s-maj=15.9km s-min=6.8km az=27.0

OMAN 09 22:26:18.6.0.4, 28.15N, 51.99E, h18km, 17km, mb3.8/8, Error ellipse: s-maj=24.4km s-min=9.1km az=25.0

ISC 09 22:26:13.4.0.7, 28.04N, 0.06:51.56E, 0.07, h10km, n68, 1.940/69, mb3.5/10, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like GHIR, IKAZ, SHI, JHRM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like ASUD, NGRK, ICHK, etc.

DJA 09 22:46:57.5.0.9, 0.13S, 9.19E, h10km, M4.8/6, mb5.0/6, mb5.4/2, ML4.7/3, Mw(mb)4.8/2

ISCJB 09 22:47:01.9.0.8, 0.35S, 0.1:91.94E, 0.07, h10km, mb4.0/10, MS3.4/3, Error ellipse: s-maj=15.2km s-min=9.4km az=19.2

ISC 09 22:47:02.1.1.0, 0.45S, 91.83E, h0km, mb3.9/10, mb1.4/12, mb1mx3.9/36, mbtmp4.0/12, ML3.5/2, MS3.4/3, Ms1.3/4.3, ms1mx2.8/54, Error ellipse: s-maj=33.6km s-min=16.6km az=44.0

ISC 09 22:47:03.7.0.9, 0.45S, 0.1:91.9E, 0.1, h10km, n21, 0.690/19, mb4.1/10, MS3.4/3, South Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like GSI, MSLI, KCSI, etc.

ISC 09 22:47:03.7.0.9, 0.45S, 0.1:91.9E, 0.1, h10km, n21, 0.690/19, mb4.1/10, MS3.4/3, South Indian Ocean

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

ISC 09 22:55:59.5, 35.34N, 27.67E, h13km, 3km, ML2.5/2, Error ellipse: s-maj=7.1km s-min=1.6km az=327.0

ISC 09 22:55:59.1, 35.32N, 27.64E, h6km, ML2.8/13, THE 09 22:56:00.4, 35.46N, 27.65E, h0km, 2km, ML2.7/2, Error ellipse: s-maj=5.6km s-min=1.4km az=148.0

ISCJB 09 22:56:02.4.0.5, 35.30N, 0.05:27.64E, 0.06, h33km, Error ellipse: s-maj=9.2km s-min=0.5km az=141.0

ISC 09 22:55:59.3.1.4, 35.39N, 0.05:27.66E, 0.03, h7km, 10km, n34, 1.906/48, Dodecanese Islands

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

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

ISC 09 23:00:16.8.0.5, 22.77S, 69.18E, h0km, mb4.1/21, mb1.4/2.21, mb1mx4.1/62, mbtmp4.1/21, MS3.9/19, Ms1.3/19, ms1mx3.6/47, Error ellipse: s-maj=16.7km s-min=15.8km az=44.0

ISCJB 09 23:00:17.1.0.4, 0.2:82S, 0.08:69.17E, 0.06, h14km, mb4.4/46, MS4.0/21, Error ellipse: s-maj=11.3km s-min=8.5km az=178.7

BUI 09 23:00:17.3.22, 99S, 69.66E, h4km, mb4.7/28, MB5.0/11, Ms4.6/2, Ms7.4/32

NEIC 09 23:00:18.3.0.2, 22.79S, 69.17E, h10km, mb4.6/17, Error ellipse: s-maj=7.0km s-min=5.4km az=179.0

ISC 09 23:00:19.1.0.5, 22.85S, 0.1:69.11E, h14km, n96, 1.925/67, mb4.3/48, MS3.9/21, 1.1, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like MRIV, H0BS1, etc.

ISC 09 23:00:19.1.0.5, 22.85S, 0.1:69.11E, h14km, n96, 1.925/67, mb4.3/48, MS3.9/21, 1.1, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Includes stations like MRIV, H0BS1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Warramunga Arr, Tennant Creek, Elat, Kashi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like South Pole Qui, Vanda, San Ignacio, LPaz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HATD Hatta, Dubai, ASHO Hatta, Dubai, ASHO Ashiyah, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ALNE, KHMZ, HQC, DMV, WSAR, etc.

ISCJB 09 23:19:41.9,0.5,7.55S:0.05:127.94E:0.08,h142km, mb3.7/10, Error ellipse: s-maj=10.8km s-min=7.3km az=169.0

IDC 09 23:19:45.9,1.9,7.58S:127.81E,h162km,18km,mb3.6/11, mb1.3/8/10, mb1mx3.6/43, mbtmp4.1/14, Error ellipse: s-maj=19.2km s-min=16.4km az=210.0

ISC 09 23:19:43.0,0.7,7.74S:0.06:128.02E:0.09,h142km,n17, az=206/20,mb3.9/10,Banda Sea

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

ISCJB 09 23:20:05.0,8.0,28.2N:0.1:51.9E:0.1,h15km,mb3.5/6, MS3.3/1, Error ellipse: s-maj=20.9km s-min=8.3km az=44.2

IDC 09 23:20:06.2,1.7,28.3N:51.78E,h0km,mb3.6/6, mb1.3/8/10, mb1mx3.5/45, mbtmp3.7/10, ML3.3/4, MS3.4/1, Ms1.3/4/1, ms1mx2.5/35, Error ellipse: s-maj=30.9km s-min=26.4km az=176.0

ISC 09 23:20:08.0,1.0,28.3N:0.1:51.9E:0.1,h15km,n11, az=118/11,mb3.5/6,Southern Irian

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WSAR, GEYT, KBZ, BRTR, AKTO, etc.

ISCJB 09 23:29:10.4,0.6,56.15S:0.08:26.8W:0.2,h100km, mb4.1/9, Error ellipse: s-maj=14.5km s-min=10.1km az=148.3

NEIC 09 23:29:10.8,1.6,56.33S:26.75W,h94km,15km,mb4.1/1, Error ellipse: s-maj=13.1km s-min=10.8km az=56.0

IDC 09 23:29:13.8,10.0,56.33S:26.75W,h119km,93km,mb3.8/8, mb1.3/9/8, mb1mx3.7/25, mbtmp4.2/8, Error ellipse: s-maj=24.0km s-min=21.0km az=56.0

ISC 09 23:29:11.8,0.6,56.22S:0.10:26.9W:0.1,h100km,n24, az=140/20,mb4.1/9,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HOPE, VNA1, VNA3, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like H10S3, H10S1, H10N1, etc.

ISCJB 09 23:32:51.6,1.9,28.3N:0.1:51.9E:0.1,h24km, Error ellipse: s-maj=20.2km s-min=10.5km az=30.4

TEH 09 23:32:53.6,28.42N:51.63E,h19km,ML3.7, THR 09 23:32:54.0,2,28.3N:50.47E,h15km, ISC 09 23:32:55.4,2,28.4N:0.1:51.6E:0.1,h24km,n22, az=106/23,Southern Irian

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GHIR, ISRV, JHRM, etc.

ISCJB 09 23:32:59.0,0.6,36.26N:0.06:71.14E:0.07,h100km, mb3.4/3, Error ellipse: s-maj=9.7km s-min=6.0km az=37.3

IDC 09 23:33:00.6,4.8,36.19N:71.13E,h122km,33km,mb3.1/4, mb1.3/0/10, mb1mx2.9/48, mbtmp3.5/10, Error ellipse: s-maj=20.3km s-min=20.8km az=154.0

NNC 09 23:33:05.3,5.4,37.05N:71.12E,h0km,mb4.0,mpv3.6, Error ellipse: s-maj=46.7km s-min=34.1km az=150.0

ISC 09 23:32:59.0,9.3,35.2N:0.08:71.21E:0.07,h100km,n21, az=196/26,mb3.5/3,4C-20,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KK31, AAK, AAK, etc.

IDC 09 23:33:29.9,0.7,28.11N:51.82E,h0km,mb4.0/23, mb1.4/2/6, mb1mx4.1/43, mbtmp4.0/26, ML4.0/3, MS3.3/7, Ms1.3/3/7, ms1mx2.9/40, Error ellipse: s-maj=17.9km s-min=12.6km az=12.0

NEIC 09 23:33:31.8,0.4,28.19N:51.87E,h10km,mb4.2/20, ML3.8(THR), Error ellipse: s-maj=8.2km s-min=4.9km az=183.0

TEH 09 23:33:32.0,28.19N:51.95E,h10km,ML4.3, ISCJB 09 23:33:40.2,0.2,28.15N:0.03:51.84E:0.03,h26km, mb4.1/48, MS3.3/4, Error ellipse: s-maj=4.6km s-min=2.7km az=44.7

DSN 09 23:33:35.5,1.1,28.26N:52.23E,h10km,ML4.0/9, Error ellipse: s-maj=20.9km s-min=5.7km az=14.0

OMAN 09 23:33:36.1,9.28,27N:52.21E,h177km,38km,ml4.1/7, Error ellipse: s-maj=38.7km s-min=18.9km az=66.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JHRM, SHI, IKAZ, etc.

ISCJB 09 23:32:55.4,2,28.4N:0.1:51.6E:0.1,h24km,n22, az=106/23,Southern Irian

NAZ Nazwa, Dubai 4.67 132 i P Pn 23 34 43.9 +1.1

MAZ Madha, Dubai 4.92 124 i P Pn 23 34 46.1 +0.0

ASUD AI Ashush, Dub 4.73 137 P Pn 23 34 44.9 +1.4

ASUD AI Ashush, Dub 4.73 137 e Pn 23 35 38.9 +1.4

ASUD AI Ashush, Dub 4.73 137 e Pn 23 34 45.2 +1.7

ISZF Zefreh 4.74 5 e Pn 23 34 43.6 -0.3

MSFE Esma-Masafi 4.78 125 i P Pn 23 34 44.4 +0.1

MSFE Esma-Masafi 4.78 125 e Pn 23 34 44.7 +0.4

FAO AI Faqa, Dubai 4.80 134 i P Pn 23 34 45.3 +0.8

FAO AI Faqa, Dubai 4.80 134 P Pn 23 34 45.5 +1.0

FAO AI Faqa, Dubai 4.80 134 e Pn 23 34 46.6 +0.8

MDH Madha 4.92 124 i P Pn 23 34 46.1 +0.0

MDH Madha 4.92 124 e Pn 23 34 46.6 +0.6

MDH Madha 4.92 124 e Pn 23 35 41.3 +0.9

HATD Hatta, Dubai 5.10 130 i P Pn 23 34 49.6 +0.9

ASHO Ashiyah 5.14 131 i P Pn 23 34 49.6 +0.4

ASHO Ashiyah 5.14 131 P Pn 23 34 49.7 +0.4

ASHO Ashiyah 5.14 131 e Pn 23 34 49.7 +0.4

IKLH Kolahrood 5.14 358 e Pn 23 34 50.7 +1.2

CHMN Cheshme madani 5.29 70 e Pn 23 34 52.2 +0.6

ALNE AI Ain 5.41 138 i P Pn 23 34 53.9 +1.0

ALNE AI Ain 5.41 138 e Pn 23 34 54.2 +1.3

KRSH Karshahi 5.80 3 e Pn 23 34 59.1 +0.7

SOHO SOHO 5.84 132 P Pn 23 34 58.9 +0.1

SOHO SOHO 5.84 132 S Pn 23 36 05.5 +0.6

TPRV Parvadeh(Tabas 6.42 40 e Pn 23 35 08.5 +1.7



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

MEX 09 23:44:25.6-0.4, 15.47N-93.00W, h124km, 4km, MD3.8, Mexico-Guatemala border region

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

ICD 09 23:49:30.6-0.5, 22.06S-170.29E, h0km, mb4.6/17, mb1.4/7.18, mb1.7x4.0/2.7, mbtmp4.0/18, ML, 4.6/1, MS3.9/12, Ms1.3/19, ms1mx3.7/23, Error ellipse: s-maj=17.5km s-min=15.9km az=95.0

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

Table with columns: ILB, Station Name, Time, Res, h, m, s, ISC. Includes stations like TXAR, WMQ, MKAR, etc.

IDC 09 23:52:30.7-26.0, 22.52S-172.96W, h0km, mb4.4/4, s-maj=476.9km s-min=150.1km az=76.0, Tonga Islands region

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

HEL 09 23:56:07.9, 67.81N-20.19E, h0km, ML1.5, Explosion UPP 09 23:56:08.3-0.1, 67.84N-20.19E, h0km, ML1.9, Explosion, Sweden







Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for various stations including MJAR, KSRs, H1N12, etc.

ISN 10 01:00:12.1+0.7, 28.03N:51.97E, h0km, 165km, ML4.9
BUI 10 01:00:18.5, 28.47N:51.42E, h5km, mb4.8/47, mb4.9/29,
MS4.6/26, MS7.4/325

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other details for stations in Southern Iran like GHIR, IKAZ, SHI, etc.

Main table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for stations including NAZ, ASUD, MSFE, FAQ, MDH, HATD, etc.

Main table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for stations including TVAN, CLDR, VMUR, SRMT, etc.



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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like UZH, BRV, TREB, HAPS, KWP, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ZAA1, ZAA1, GOPC, etc.

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

Table with columns: Station, Location, Frequency, Power, Mode, and other parameters. Includes stations like DSB Dublin, MVO Moncorvo, PMRV Marv'20, etc.

Table with columns: Station, Location, Frequency, Power, Mode, and other parameters. Includes stations like FFC Flin Flon, ASAR Alice Springs, AS31 Alice Springs, etc.

Table with columns: Station, Location, Frequency, Power, Mode, and other parameters. Includes stations like H11N3 WAKE ISLAND Hy, QIZ Qiongzong, QIZ Qiongzong, etc.



MEX 10 01:21:22.5.0.5, 16.44N-93.53W, h135km, gkm, MD3.8, Chiapas
Code Station Name Az Phase ID Time Res
PCIG Comitan 1.35 96 eP Sn 01 21 48.0 -3.2

IDC 10 01:23:48.4.6.5, 14.98Sx173.55W, h0km, mb3.7/4, mb1 4.1/4, mb1mx3.7/44, mbtmp3.7/4, MS3.2/1, Ms1 3.2/1, ms1mx2.8/51, Error ellipse: s-maj=323.0km
Code Station Name Az Phase ID Time Res
PPT Papeete 23.15 100 LR LR 01 35 06.3

IDC 10 01:28:29.5.1.5, 28.29N:51.64E, h0km, mb3.6/5, mb1 3.7/7, mb1mx3.4/59, mbtmp3.7/7, ML3.5/2, MS3.0/1, Ms1 3.0/1, ms1mx2.4/51, Error ellipse: s-maj=33.3km
Code Station Name Az Phase ID Time Res
GHIR Ghir-Karzin 1.24 84 eAML AML 01 29 15.5

THR 10 01:29:36.8, 36.06N-53.67E, h15km, ML3.9
TEH 10 01:29:36.4, 36.05N-53.63E, h14km, ML4.1
IDC 10 01:29:37.0, 3.0, 36.27N:53.41E, h0km, mb3.4/2, mb1 3.7/5, mb1mx3.3/59, mbtmp3.6/5, ML3.5/3, Error ellipse: s-maj=36.6km s-min=16.9km az=10.0
Code Station Name Az Phase ID Time Res
IKIA Kiasar 0.14 42 eP Pg 01 29 40.6 -0.4

IMHD Mahdasht 2.39 261 ePn Pn 01 30 18.4 +2.2
KRRSH Karshahi 2.43 209 ePn Pn 01 30 17.0 +0.2
GHRV GHOM 2.47 230 ePn Pn 01 30 19.5 +2.3

TEH 10 01:30:41.8, 35.96N-53.55E, h28km, ML3.6, Northern and central Iran
Code Station Name Az Phase ID Time Res
ISHM Shahmirzad 0.26 234 ePn Pn 01 30 49.0 +1.0

THR 10 01:38:37.3, 28.06N-50.91E, h26km, ML3.4
IDC 10 01:38:43.6, 3.4, 28.40N:51.55E, h0km, mb3.8/4, mb1 3.8/5, mb1mx3.4/55, mbtmp3.8/5, ML3.9/1, Error ellipse: s-maj=66.5km s-min=33.5km az=43.0
Code Station Name Az Phase ID Time Res
GHIR Ghir-Karzin 1.27 94 eAML AML 01 39 39.4

THR 10 01:38:49.8, 1.0, 28.33N:51.90E, h10km, ML3.4/7, Error ellipse: s-maj=25.6km s-min=8.0km az=53.0
TEH 10 01:38:49.1, 28.69N-51.53E, h16km, ML3.5
IDC 10 01:38:47.1, 4.2, 28.39N:51.56E:0.1, h24km, n24, s1937/28, mb3.7/4, Southern Iran
Code Station Name Az Phase ID Time Res
GHIR Ghir-Karzin 1.27 94 eAML AML 01 39 39.4

WRA Warramunga Arr 31.88 250 P P 01 39 51.3 -0.9
ASAR Alice Springs 33.20 243 P P 01 40 04.6 +0.8
ILAR Eielson Array 83.15 18 P P 01 45 52.4 0.0

WRA Warramunga Arr 49.80 256 P P 01 32 43.8 +0.4
ASAR Alice Springs 50.10 252 P P 01 32 44.9 -0.8
ILAR Eielson Array 82.07 11 P P 01 36 09.7 -0.5

WRA Warramunga Arr 49.80 256 P P 01 32 43.8 +0.4
ASAR Alice Springs 50.10 252 P P 01 32 44.9 -0.8
ILAR Eielson Array 82.07 11 P P 01 36 09.7 -0.5

WRA Warramunga Arr 49.80 256 P P 01 32 43.8 +0.4
ASAR Alice Springs 50.10 252 P P 01 32 44.9 -0.8
ILAR Eielson Array 82.07 11 P P 01 36 09.7 -0.5













10d 1h

2013 APR

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Table with columns: Station, Frequency, Power, Direction, and other metrics. Includes stations like KONO, NB2, NOA, etc.

Table with columns: Station, Frequency, Power, Direction, and other metrics. Includes stations like SWN1, NRK1, NRK2, etc.

Table with columns: Station, Frequency, Power, Direction, and other metrics. Includes stations like XAN, XAN, XAN, etc.

PCVE	Castro Verde	50.21 297	eP	P	02 07 24.3 +0.5
PTOM	Tomar	50.25 299	eP	P	02 07 24.3 +0.3
PCAS	Casimio, Conde	50.27 300	eP	P	02 07 26.6 +2.4
KCSI	Kotacane, Aceh	50.27 111	P	P	02 07 23.1 -1.5
OZUM	Ouz	50.38 288	P	P	02 07 27.0 +1.6
AVE	Averroes	50.42 291	iP	S	02 07 25.5 0.0
ALMR	Almeirim	50.43 299	eP	P	02 07 24.9 -0.5
ALMR	Almeirim	50.43 299	eP	AMB	02 07 29.0
ALMR	Almeirim	50.43 299	eP	P	02 07 27.6 +2.2
ALMR	Almeirim	50.43 299	eP	P	02 07 24.9 -0.5
PNCL	Nicolau V. Gran	50.53 297	eP	P	02 07 27.8 +1.6
IGLA	Glengowla, Co	50.65 317	eP	P	02 07 26.3 -0.5
MORF	Marmelete	50.74 296	eP	AMB	02 07 27.3 -0.5
MORF	Marmelete	50.74 296	eP	P	02 07 30.7 -0.5
PFVI	Vila Bisbo	50.90 296	eP	P	02 07 29.0 0.0
PFVI	Vila Bisbo	50.90 296	eP	P	02 07 31.2 +2.2
TIY	Taiyuan	50.94 63	eP	S	02 07 30.5 +1.1
TIY	Taiyuan	50.94 63	eP	S	02 14 46.7 +0.9
TIY	Taiyuan	50.94 63	eP	S	02 07 30.5 +1.1
TIY	Taiyuan	50.94 63	eP	S	02 14 46.7 +0.9
TIY	Taiyuan	50.94 63	eP	S	02 07 30.5 +1.1
TIY	Taiyuan	50.94 63	eP	S	02 14 46.7 +0.9
TIY	Taiyuan	50.94 63	eP	S	02 07 30.5 +1.1
TIY	Taiyuan	50.94 63	eP	S	02 14 46.7 +0.9
SRHM	Skhour des Reh	50.99 290	P	P	02 07 32.0 +2.1
CIT	Chita	51.01 44	eP	P	02 07 29.3 -0.4
VAL	Valentia	51.09 315	eP	P	02 07 29.9 -0.3
GSI	Gunungsitoli	51.39 113	eP	P	02 07 33.1 +0.2
GSI	Gunungsitoli	51.39 113	eP	P	02 07 32.5 -0.4
HSPB	Hornsund (broa	51.53 350	eP	S	02 07 33.5 +0.3
HSPB	Hornsund (broa	51.53 350	eP	S	02 14 53.2 +0.5
HSPB	Hornsund (broa	51.53 350	eP	S	02 07 32.6 -0.6
PSI	Prapat	51.63 111	eP	P	02 07 34.0 -0.9
PSI	Prapat	51.63 111	eP	P	02 07 33.9 -1.0
PSI	Prapat	51.63 111	eP	P	02 07 33.9 -1.0
KULM	Kulim	51.71 107	eP	P	02 07 34.3 -1.1
KULM	Kulim	51.71 107	eP	P	02 07 34.3 -1.1
KULM	Kulim	51.71 107	eP	P	02 07 36.0 +0.7
BOD	Bodaibo	51.74 37	eP	S	02 07 34.6 -0.4
BOD	Bodaibo	51.74 37	eP	S	02 14 56.3 +0.2
SPAO	Spitsbergen Ar	52.31 351	eP	P	02 07 38.9 -0.1
SPITS	Spitsbergen Ar	52.31 351	eP	P	02 07 38.9 -0.1
IPM	Iph	52.46 108	eP	P	02 07 39.0 -1.9
IPM	Iph	52.46 108	eP	P	02 07 39.0 -1.9
KOWA	Kowa	53.27 267	PFAKE	LR	02 08 00.0 +1.3
MNSI	Mandailing Nat	53.31 112	P	P	02 07 47.4 +0.2
KBS	Kingsbay	53.46 351	eP	P	02 07 47.8 +0.3
KBS	Kingsbay	53.46 351	eP	P	02 07 47.8 +0.3
KBS	Kingsbay	53.46 351	eP	P	02 07 49.4 +2.0
KBS	Kingsbay	53.46 351	eP	P	02 07 49.4 +2.0
KBS	Kingsbay	53.46 351	eP	P	02 07 47.0 -0.5
BJT	Baijatuau	53.48 60	eP	P	02 07 51.2 +3.0
BJT	Baijatuau	53.48 60	eP	P	02 07 51.2 +3.0
BJT	Baijatuau	53.48 60	eP	P	02 07 51.2 +3.0
BJT	Baijatuau	53.48 60	eP	P	02 07 51.2 +3.0
BJT	Baijatuau	53.48 60	eP	P	02 07 51.2 +3.0
BJI	Beijing	53.49 60	eP	P	02 07 48.5 +0.3
BJI	Beijing	53.49 60	eP	P	02 08 55.4 +0.3
BJI	Beijing	53.49 60	eP	P	02 15 22.3 +1.9
BJI	Beijing	53.49 60	eP	P	02 07 47.6 -0.9
BJI	Beijing	53.49 60	eP	P	02 07 49.1 -0.1
BJI	Beijing	53.49 60	eP	P	02 15 22.4 0.0
BJI	Beijing	53.49 60	eP	P	02 15 29.5 -0.9
BJI	Beijing	53.49 60	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ	Qiongzong	53.59 87	eP	P	02 15 29.5 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 17 39.7 +0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 47.6 -0.9
QIZ	Qiongzong	53.59 87	eP	P	02 07 49.1 -0.1
QIZ	Qiongzong	53.59 87	eP	P	02 15 22.4 0.0
QIZ					



WLV0	Wesleyville	94.75	326	P	P	02 11 48.5	-0.9
BINY BINY	Binghamton	94.79	324	PFAKE	LR	02 12 00.0	+1.0
BINY	Binghamton	94.79	324	P	P	02 11 48.5	-1.2
ODNJ	Ogdensburg	94.85	322	PFAKE	LR	02 12 00.0	+1.0
H52A	Weyale	94.94	328	P	P	02 11 49.2	-1.0
J55A	Hilton	94.95	326	P	P	02 11 49.1	-1.2
PKRO	Pickering	95.05	327	P	P	02 11 49.6	-1.1
F49A	Sandfield	95.07	330	P	P	02 11 49.9	-0.9
E47A	Iron Bridge	95.08	331	P	P	02 11 49.6	-1.2
BRNJ	Basking Ridge	95.11	322	PFAKE	LR	02 12 00.0	+8.9
TOBO	Tobermory, Bru	95.25	329	P	P	02 11 50.8	-0.9
F48A	Evansville	95.28	330	P	P	02 11 50.6	-1.1
MNMY	Mt. Morris Dam	95.39	325	eP	P	02 11 53.8	+1.4
K55A	Perry	95.47	325	P	P	02 11 52.1	-0.6
E46A	Sault Ste Mari	95.59	331	P	P	02 11 51.7	-1.5
N59A	State Game Lan	95.59	323	eP	P	02 11 54.9	+1.6
N59A	State Game Lan	95.59	323	P	P	02 11 52.2	-1.1
BMRO	Merriville Lake	95.59	328	P	P	02 11 52.5	-0.7
ACTO	Acton	95.79	327	P	P	02 11 52.9	-1.3
BWLO	Walkerton	95.92	328	P	P	02 11 53.3	-1.4
L55A	Hinsdale	96.06	325	P	P	02 11 54.2	-1.2
MAW	Mawson	96.09	176	eP	P	02 11 55.1	+0.4
MAW	Mawson	96.09	176	eP	P	02 11 55.3	+0.6
I51A	Listowel	96.10	328	P	P	02 11 55.1	-0.5
PSUB	Penn St. - Bra	96.12	322	eP	P	02 11 57.2	+1.5
PSUB	State Game Lan	96.12	322	PFAKE	LR	02 12 10.0	+1.2
BASE	Ashfield	96.24	328	P	P	02 11 55.4	-0.8
G47A	Hillman	96.33	330	P	P	02 11 55.5	-1.1
MVL	Millersville	96.56	323	eP	P	02 11 59.1	+1.4
ULM	Lac du Bonnet	96.57	340	P	P	02 11 56.5	-1.1
ULM	Lac du Bonnet	96.57	340	eP	P	02 11 55.3	-2.3
PAGS	Pennsylvania G	96.59	323	PFAKE	LR	02 12 10.0	+1.2
E43A	Lone Tree Farm	96.70	333	PFAKE	LR	02 12 10.0	+1.2
ELFO	Elginfield	96.71	327	P	P	02 11 57.5	-0.9
M55A	Ridgway	96.75	325	P	P	02 11 57.3	-1.3
D41A	Chassel	96.76	334	PFAKE	LR	02 12 10.0	+1.2
F44A	Big Bay de Noc	96.79	332	P	P	02 11 57.7	-0.9
ERPA	Erie	96.88	326	PFAKE	LR	02 12 10.0	+1.1
SSPA	Standing Stone	96.91	324	eP	P	02 12 01.9	+2.6
SSPA	Standing Stone	96.91	324	P	P	02 11 58.2	-1.1
H48A	Sherman Twp	97.04	329	P	P	02 11 58.3	-1.5
EYMN	Ely	97.11	336	PFAKE	LR	02 12 10.0	+1.0
M54A	Oil Creek Stat	97.17	325	PFAKE	LR	02 12 10.0	+9.4
SDMD	Soldier's Dell	97.24	322	eP	Pdof	02 12 02.6	+1.7
N55A	Marion Center	97.37	325	P	P	02 12 00.1	-1.3
O56A	Blue Knob Sta	97.53	324	PFAKE	LR	02 12 10.0	+7.8
I47A	Gladwin	97.53	330	P	P	02 12 01.7	-0.3
SYO	Syowa Base	97.55	184f	eP	Pdof	02 12 01.6	+0.3
N54A	Moraine State	97.55	184f	eP	sP	02 12 09.2	+1.2
COEN	Coen	97.77	102	eP	Pdof	02 12 05.4	+1.8
J48A	Bridge Port	97.77	329	P	P	02 11 59.5	-3.6
COWI	Conover	97.78	334	PFAKE	LR	02 12 10.0	+6.8
G43A	Wallace	97.89	332	PFAKE	LR	02 12 10.0	+6.3
K49A	Clarkson	98.02	328	P	P	02 12 02.9	-1.4
F41A	Three Lakes	98.06	333	PFAKE	LR	02 12 10.0	+5.5
G42A	Mountain	98.20	333	PFAKE	LR	02 12 20.0	+1.5
E38A	The Farm, Brul	98.27	335	PFAKE	LR	02 12 20.0	+1.5
AGMN	Agassiz Nation	98.29	339	eP	Pdof	02 12 06.6	+1.2
AGMN	Agassiz Nation	98.29	339	P	P	02 12 04.2	-1.1
K48A	Perry	98.31	329	P	P	02 12 04.8	-0.8
CBN	Corbin Frederi	98.40	322	PFAKE	LR	02 12 20.0	+1.4
AAM	Ann Arbor	98.49	328	PFAKE	LR	02 12 20.0	+1.4
O54A	Avella	98.52	325	P	P	02 12 05.7	-0.9
F39A	Loretta	98.62	335	P	P	02 12 06.2	-0.7
MCWV	Mont Chateau	98.64	324	PFAKE	LR	02 12 20.0	+1.3
K47A	Vermontville	98.81	329	P	P	02 12 07.2	-0.6
R58B	Mineral	98.85	322	PFAKE	LR	02 12 20.0	+1.2

G40A	Rib Lake	98.88	334	PFAKE	LR	02 12 20.0	+1.2
P54A	Burton	99.01	325	P	Pdof	02 12 07.9	-0.9
S58A	Poland Farm, P	99.19	322	P	Pdof	02 12 07.7	-1.9
H41A	Union City	99.21	333	PFAKE	LR	02 12 20.0	+1.0
Q55A	Buckhannon	99.26	324	P	Pdof	02 12 08.7	-1.3
O52A	Adamsville	99.30	326	PFAKE	LR	02 12 20.0	+1.0
I42A	Drager Farm,	99.51	332	PFAKE	LR	02 12 20.0	+9.1
P53A	Whipple	99.56	325	eP	Pdof	02 12 13.6	+2.4
P53A	Whipple	99.56	325	P	Pdof	02 12 10.8	-0.4
S57A	Dark Hollow, R	99.58	322	P	Pdof	02 12 10.7	-0.7
O54A	Coxs Mills	99.65	324	P	Pdof	02 12 11.0	-0.7
O51A	Pataksala	99.66	326	P	Pdof	02 12 11.8	-0.9
ACSO	Alum Creek Sta	99.78	326	PFAKE	LR	02 12 20.0	+7.8
ACSO	Alum Creek Sta	99.78	326	P	Pdof	02 12 11.2	-1.0
N49A	Columbus Grove	99.81	328	PFAKE	LR	02 12 20.0	+7.7
P52A	Corning	99.82	326	P	Pdof	02 12 12.5	+0.1
MDND	Maddock	99.82	341	PFAKE	LR	02 12 20.0	+7.8
SPMN	Marine on St.	99.90	335	PFAKE	LR	02 12 20.0	+7.4
K43A	Burlington	100.25	331	PFAKE	LR	02 12 20.0	+5.8
T57A	Hurt	100.30	322	P	Pdof	02 12 13.4	-1.1
P51A	Williamsport	100.39	326	PFAKE	LR	02 12 20.0	+5.1
M46A	Old House Fiel	100.43	329	PFAKE	LR	02 12 20.0	+5.0
O49A	Covington	100.46	327	PFAKE	LR	02 12 30.0	+1.5
O49A	Covington	100.46	327	P	Pdof	02 12 14.3	-0.9
I39A	Houston	100.58	334	PFAKE	LR	02 12 30.0	+1.4
BLA	Blacksburg	100.76	323	PFAKE	LR	02 12 30.0	+1.3
CNCC	Cliffs of the	100.82	320	PFAKE	LR	02 12 30.0	+1.3
JFWS	Jewell Farm	100.87	333	PFAKE	LR	02 12 30.0	+1.3
Q51A	Peebles	100.89	326	PFAKE	LR	02 12 30.0	+1.3
T55A	Pulaski	101.03	323	P	Pdof	02 12 17.0	-0.9
L42A	Oliver, Polo	101.38	332	PFAKE	LR	02 12 30.0	+1.1
SFIN	Lafayette	101.59	329	PFAKE	LR	02 12 30.0	+1.0
U55A	TA2, Sparta	101.63	323	P	Pdof	02 12 20.2	-0.4
SMRT	St. Maarten	101.87	298	PFAKE	LR	02 12 30.0	+8.1
L40A	Anamosa	101.97	333	PFAKE	LR	02 12 30.0	+8.1
S51A	Beattyville	102.08	325	PFAKE	LR	02 12 30.0	+7.5
EGMT	Eagleton	102.11	347	PFAKE	LR	02 12 30.0	+7.5
HDIL	Hopedale	102.42	331	PFAKE	LR	02 12 30.0	+6.1
P45A	Graceland, Par	102.57	329	PFAKE	LR	02 12 30.0	+5.4
V54A	Nebo	102.65	323	P	Pdof	02 12 24.5	-0.5
KM5C	Kings Mountain	102.80	322	PFAKE	LR	02 12 40.0	+1.4
SCIA	State Center	102.89	334	PFAKE	LR	02 12 40.0	+1.4
TZTN	Tazewell	102.90	324	PFAKE	LR	02 12 40.0	+1.4
WCI	Wyandotte Cave	102.94	327	PFAKE	LR	02 12 40.0	+1.4
N41A	Harden Midland	102.96	332	PFAKE	LR	02 12 40.0	+1.4
NEW	Newport	103.02	352	P	Pdof	02 12 26.2	-0.3
B08A	Colville Reser	103.16	354	PFAKE	LR	02 12 40.0	+1.3
V53A	Saluda	103.19	323	PFAKE	LR	02 12 40.0	+1.2
OLIL	Olney	103.38	329	PFAKE	LR	02 12 40.0	+1.2
J5C	Jenkinsville	103.41	321	PFAKE	LR	02 12 40.0	+1.2
T49A	Edmonton	103.46	326	PFAKE	LR	02 12 40.0	+1.1
C09A	Chrisman Ranch	103.60	353	PFAKE	LR	02 12 40.0	+1.1
P42A	Winchester	103.67	331	PFAKE	LR	02 12 40.0	+1.0
MTP	Monte Pirata	103.76	300	PFAKE	LR	02 12 40.0	+1.0
W53A	Culwhee	103.76	323	P	Pdof	02 12 30.1	0.0
BG3	Lake Jocassee	103.77	323	PFAKE	LR	02 12 40.0	+1.0
T48A	Bowling Green	103.88	327	P	Pdof	02 12 30.0	-0.4
V51A	Louden	103.89	324	PFAKE	LR	02 12 40.0	+9.5
M5O	Missoula	103.99	350	PFAKE	LR	02 12 40.0	+9.1
W52A	Murphy	104.22	324	PFAKE	LR	02 12 40.0	+7.9

W52A	Cooper Cave	104.25	324	PFAKE	LR	02 12 40.0	+7.8
STKA	Stephens Creek	104.31	119	Pdof	Pdof	02 12 33.2	+0.9
T47A	Sharon Grove	104.32	327	PFAKE	LR	02 12 40.0	+7.6
LTY	Liberty	104.36	355	PFAKE	LR	02 12 40.0	+7.5
SLM	Saint Louis	104.41	330	PFAKE	LR	02 12 40.0	+7.2
R5SD	Black Hills	104.48	342	PFAKE	LR	02 12 40.0	+6.7
R5SD	Bozeman (W)	104.80	348	PFAKE	LR	02 12 40.0	+5.4
W50A	Signal Mountai	104.84	325	PFAKE	LR	02 12 40.0	+5.1
MPR	Mayaguez	104.90	301	PFAKE	LR	02 12 50.0	+1.5
LON	Longmire	104.96	355	PFAKE	LR	02 17 00.0	+1.0
T45A	Paducah	105.02	328	PFAKE	LR	02 17 00.0	+1.0
FVM	French Village	105.04	330	PFAKE	LR	02 17 00.0	+1.0
X51A	Calhoun	105.11	324	PFAKE	LR	02 17 00.0	+9.5
BGNE	Belgrade	105.14	337	PFAKE	LR	02 17 00.0	+1.0
SWET	Sewanee	105.15	325	PFAKE	LR	02 17 00.0	+9.4
V48A	Smith Brothers	105.17	326	PFAKE	LR	02 17 00.0	+9.4
Y52A	Liburn	105.23	323	PFAKE	LR	02 17 00.0	+9.2
GOGA	Godfrey	105.26	322	PFAKE	LR	02 17 00.0	+9.2
F10A	Beach Ranch, E	105.28	352	PFAKE	LR	02 17 00.0	+9.3
CCM	Cathedral Cave	105.34	330	PFAKE	LR	02 17 00.0	+9.2
LKWY	Lake	105.55	347	PFAKE	LR	02 17 00.0	+8.6
154A	Montrose	105.67	322	PFAKE	LR	02 17 00.0	+8.4
BDFB	Brassilia	105.69	261	PFAKE	LR	02 17 00.0	+7.9
H17A	Grant Village	105.75	347	PFAKE	LR	02 17 00.0	+8.2
255A	Hazlehurst	105.84	321	PFAKE	LR	02 17 00.0	+8.1
GLAT	Glass	105.93	328	PFAKE	LR	02 17 00.0	+8.0
PVMO	Portageville	106.00	328	PFAKE	LR	02 17 00.0	+7.9
FLWY	Flagg Ranch	106.08	347	PFAKE	LR	02 17 00.0	+7.7
HALT	Halls	106.25	328	PFAKE	LR	02 17 00.0	+7.5
X48A	Hartselle	106.31	325	PFAKE	LR	02 17 00.0	+7.3
PLAL	Pickwick Lake	106.39	326	PFAKE	LR	02 17 00.0	+7.1
BMO	Blue Mountains	106.40	352	PFAKE	LR	02 17 00.0	+7.2
MOOW	Moose Ponds	106.41	347	PFAKE	LR	02 17 00.0	+7.0
Y49A	Blount Mountai	106.46	325	PFAKE	LR	02 17 00.0	+7.0
K22A	Casper	106.50	343	PFAKE	LR	02 17 00.0	+6.9
152A	Waverly Hall	106.50	323	PFAKE	LR	02 17 00.0	+6.9
LOHW	Long Hollow	106.51	347	PFAKE	LR	02 17 00.0	+6.8
KSU1	Kansas State U	106.62	335				



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like R15V, R15V, CUM, CUM, EZSV, EZSV, MMIG, MMIG, ZIIG, ZIIG.

TEH 10 02:48:03.8, 28.20N, 51.86E, h20km, ML4.5
IDC 10 02:48:03.6, 4.3, 28.08N, 51.95E, h21km, mb4.0/21,
mb1.4/2.25, mb1.3mx3.9, mbtpm3.9/15, ML4.0/4, MS4.0/10,
Ms1.4/0.10, ms1mx3.5/4.9, Error ellipse: s-maj=19.2km
s-min=13.1km az=178.0

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

IDC 10 02:26:55.8, 1.1, 28.32N, 51.76E, h0km, mb3.8/13,
mb1.4/0.15, mb1.3mx3.8/3.9, mbtpm3.9/15, ML4.0/2, Error
ellipse: s-maj=27.8km s-min=17.7km az=163.0

OMAN 10 02:48:06.0, 8.2, 28.09N, 51.82E, h33km, mb4.6/1, m4.3/9,
Error ellipse: s-maj=40.9km s-min=10.6km az=36.0
DSN 10 02:48:08.8, 2.2, 28.16N, 52.37E, h10km, mb4.4/2, ML4.0/9,
Error ellipse: s-maj=34.0km s-min=6.9km az=87.0

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

THR 10 02:26:59.3, 28.51N, 51.89E, h14km, ML3.4
TEH 10 02:27:01.5, 28.25N, 51.85E, h34km, ML3.8
DSN 10 02:27:01.5, 1.3, 28.06N, 52.04E, h10km, ML3.7/7, Error
ellipse: s-maj=24.2km s-min=9.1km az=29.0

ISOCBJ 10 02:26:57.4, 0.4, 28.20N, 0.03, 51.76E, 0.05, h26km,
mb3.8/13, Error ellipse: s-maj=7.1km s-min=3.4km
az=147.7

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

ISOC 10 02:26:59.3, 0.6, 28.22N, 0.05, 51.80E, 0.06, h26km, n62,
c133/69, mb3.9/13, Southern Iran

ISRV Sarvestan 1.62 42 ePn Pn 02 48 33.2 -1.0
IPAR Pars 1.95 32 ePn Pn 02 48 37.6 +1.1
IPAR Pars 1.95 32 ePn Pn 02 48 37.2 +0.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR101, BR101, BR101, BR131, BR131, BR131, BR131, BR131, BR131, BR131.

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

IRAM Ramesheh 3.61 8 ePn Pn 02 27 54.2 +0.4
IRAM Ramesheh 3.61 8 ePn Pn 02 28 09.7

IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.9 +0.2
IRAM Ramesheh 3.64 7 ePn Pn 02 48 59.6 -0.1
IRAM Ramesheh 3.64 7 ePn Pn 02 50 18.6

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

MOS 10 02:47:59.6, 1.3, 28.05N, 51.95E, h8km, mb4.6/22, Error
ellipse: s-maj=6.6km s-min=5.3km az=100.4
NEIC 10 02:48:01.4, 0.2, 28.14N, 51.76E, h12km, mb4.4/39,
ML4.4(THR), MN4.5(TEH), After TEH.
THR 10 02:48:02.0, 0.0, 28.01N, 51.76E, h40km
ISOCBJ 10 02:48:03.4, 0.2, 28.18N, 0.02, 51.93E, 0.03, h26km,
mb4.4/64, MS3.9/7, Error ellipse: s-maj=4.0km
s-min=2.1km az=138.7





Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
ZALV	Zalesovo Beam	0.83 37	Pg	03 32 19.9	+0.2
ZALV	Zalesovo Beam	0.83 37	Pg	03 32 19.9	+0.2
ZALV	Zalesovo Beam	0.83 37	Pg	03 32 19.9	+0.2
ZALV	Zalesovo Beam	0.83 37	Pg	03 32 19.9	+0.2

IDC 10 03:35:50.1±1.2, 28°16'N-51°54'E, h0km, mb3.8/10, mb1 3.9/12, mb1mx3.7/47, mbtmp3.8/12, ML3.7/2, Error ellipse: s-maj=25.3km s-min=22.0km az=5.0, ISCJB 10 03:35:52.0±0.5, 28°22'N-0°03:51:57E±0.05, h24km, mb3.7/10, Error ellipse: s-maj=7.8km s-min=2.9km az=150.3

TEH 10 03:35:53.3, 28°35'N-51°67'E, h19km, ML3.6  
 THR 10 03:35:54.6, 28°15'N-51°73'E, h14km, ML3.9  
 OMAN 10 03:35:55.7, 0.2° 28'46"N-51°00'E, h20km, ml4.3/5, Error ellipse: s-maj=66.4km s-min=6.4km az=235.0  
 DSN 10 03:35:55.6±1.1, 28°49'N-52°11'E, h10km, ML3.9/6, Error ellipse: s-maj=36.6km s-min=6.2km az=60.0  
 ISC 10 03:35:54.4±0.8, 28°30'N-0°07:51:67E±0.07, h24km, n61, ±130/73, mb3.8/10, Southern Iran

Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
GHIR	Ghir-Karzin	1.16 91	ePn	03 36 15.7	+0.5
GHIR	Ghir-Karzin	1.16 91	ePn	03 36 15.7	+0.5
GHIR	Ghir-Karzin	1.16 91	ePn	03 36 15.7	+0.5
GHIR	Ghir-Karzin	1.16 91	ePn	03 36 15.7	+0.5
GHIR	Ghir-Karzin	1.16 91	ePn	03 36 15.7	+0.5

ISCJB 10 03:38:39.8±1.6, 22°22'S-05°17'13E±0.1, h12km, mb3.9/6, Error ellipse: s-maj=69.1km s-min=11.2km az=170.3  
 IDC 10 03:38:43.9±4.9, 21°79'S-171°10'E, h128km, 34km, mb3.7/6, mb1 3.9/7, mb1mx3.6/35, mbtmp4.0/7, Error ellipse: s-maj=81.3km s-min=25.5km az=154.0  
 ISC 10 03:38:41.2±1.7, 22°05'S-05°17'13E±0.1, h12km, n7, ±056/10, mb4.0/6, Southeast of Loyalty Islands

Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
DZM	Mont Dzumac	4.49 269	Pn	03 39 47.5	+0.3
DZM	Mont Dzumac	4.49 269	Pn	03 39 47.5	+0.3
DZM	Mont Dzumac	4.49 269	Pn	03 39 47.5	+0.3
DZM	Mont Dzumac	4.49 269	Pn	03 39 47.5	+0.3
DZM	Mont Dzumac	4.49 269	Pn	03 39 47.5	+0.3

ISCJB 10 03:42:54.4±0.8, 28°19'N-0°06:51:58E±0.08, h24km, mb3.6/3, Error ellipse: s-maj=10.7km s-min=7.6km az=154.0  
 TEH 10 03:42:54.4, 28°22'N-51°62'E, h5km, ML3.4  
 IDC 10 03:42:54.4±3.5, 28°50'N-51°73'E, h2km, mb3.6/3, mb1 3.7/4, mb1mx3.3/47, mbtmp3.5/4, ML3.0/1, Error ellipse: s-maj=78.6km s-min=44.7km az=126.0  
 ISC 10 03:42:56.9±1.0, 28°31'N-0°06:51:75E±0.08, h24km, n18, ±098/19, mb3.5/3, 2C-1D, Southern Iran

Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
IKAZ	Kazeroun	1.47 3	ePn	03 43 22.2	0.0
IKAZ	Kazeroun	1.47 3	ePn	03 43 22.2	0.0
IKAZ	Kazeroun	1.47 3	ePn	03 43 22.2	0.0
IKAZ	Kazeroun	1.47 3	ePn	03 43 22.2	0.0
IKAZ	Kazeroun	1.47 3	ePn	03 43 22.2	0.0

MEX 10 03:42:59.0±0.3, 15°74'N-92°85'W, h159km, 4km, MD3.8, Mexico-Guatemala border region  
 PCIG Comitan 0.87 52 ePn S 03 43 20.3 -1.4  
 CCIG Comitan 0.87 52 ePn S 03 43 20.3 -1.5  
 CCIG Comitan 0.87 52 ePn S 03 43 20.3 -1.5

IDC 10 03:45:54.4±2.0, 0°45'S-91°42'W, h0km, mb4.0/12, mb1 4.2/12, mb1mx4.0/41, mbtmp4.0/12, MS3.4/1, Ms1 3.4/1, ms1mx2.7/25, Error ellipse: s-maj=63.0km s-min=22.9km az=27.0  
 ISCJB 10 03:45:56.0±0.0, 0°05'N-91°09'W±0.1, h9km, mb4.2/25, Error ellipse: s-maj=24.3km s-min=6.5km az=139.2  
 NEIC 10 03:45:59.6±1.5, 0°20'S-91°01'W, h24km, 2km, mb4.4/22, Error ellipse: s-maj=26.5km s-min=9.9km az=216.0  
 ISC 10 03:45:56.3±1.5, 0°20'S-91°2'W±0.2, h10km, n49, ±129/38, mb4.2/25, Galapagos Islands

Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
PAYG	Puerto Ayora	0.97 111	Op	03 46 15.9	+0.2
PAYG	Puerto Ayora	0.97 111	Op	03 46 15.9	+0.2
PAYG	Puerto Ayora	0.97 111	Op	03 46 15.9	+0.2
PAYG	Puerto Ayora	0.97 111	Op	03 46 15.9	+0.2
PAYG	Puerto Ayora	0.97 111	Op	03 46 15.9	+0.2

ISCJB 10 03:48:39.8±1.6, 22°22'S-05°17'13E±0.1, h12km, mb3.9/6, Error ellipse: s-maj=69.1km s-min=11.2km az=170.3  
 IDC 10 03:38:43.9±4.9, 21°79'S-171°10'E, h128km, 34km, mb3.7/6, mb1 3.9/7, mb1mx3.6/35, mbtmp4.0/7, Error ellipse: s-maj=81.3km s-min=25.5km az=154.0  
 ISC 10 03:38:41.2±1.7, 22°05'S-05°17'13E±0.1, h12km, n7, ±056/10, mb4.0/6, Southeast of Loyalty Islands

Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
INX	Resolute Bay	74.35 345	eP	03 57 34.0	+0.2
INX	Resolute Bay	74.35 345	eP	03 57 34.0	+0.2
INX	Resolute Bay	74.35 345	eP	03 57 34.0	+0.2
INX	Resolute Bay	74.35 345	eP	03 57 34.0	+0.2
INX	Resolute Bay	74.35 345	eP	03 57 34.0	+0.2

IDC 10 04:25:12.5±1.6, 28°37'N-51°59'E, h0km, mb3.9/9, mb1 4.0/11, mb1mx3.7/51, mbtmp3.9/11, ML3.6/2, Error ellipse: s-maj=36.8km s-min=23.6km az=30.0  
 ISCJB 10 04:25:12.6±2.0, 28°31'N-0°03:51:50E±0.05, h24km, mb3.8/9, Error ellipse: s-maj=7.3km s-min=3.3km az=150.1  
 TEH 10 04:25:15.7, 28°38'N-51°58'E, h7km, ML3.7  
 THR 10 04:25:15.8, 28°46'N-51°57'E, h25km, ML3.4  
 DSN 10 04:25:21.6±0.7, 28°43'N-52°27'E, h10km, ML3.4/8, Error ellipse: s-maj=15.0km s-min=5.5km az=33.0  
 OMAN 10 04:25:21.3±1.7, 28°33'N-51°91'E, h27km, ml3.6/5, Error ellipse: s-maj=59.3km s-min=19.8km az=41.0  
 ISC 10 04:25:16.3±0.8, 28°37'N-0°06:51:80E±0.08, h24km, n62, ±193/70, mb3.8/9, 4C-1D, Southern Iran

Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
GHIR	Ghir-Karzin	1.23 93	ePn	04 25 39.9	+0.8
GHIR	Ghir-Karzin	1.23 93	ePn	04 25 39.9	+0.8
GHIR	Ghir-Karzin	1.23 93	ePn	04 25 39.9	+0.8
GHIR	Ghir-Karzin	1.23 93	ePn	04 25 39.9	+0.8
GHIR	Ghir-Karzin	1.23 93	ePn	04 25 39.9	+0.8

Code	Station Name	Δ° AZZ	Phase ID	Time Res	Res
Code	Station Name	Δ° AZZ	Phase ID	h m s ISC	h m s ISC
ASAR	Alice Springs	94.62 114	P	04 38 35.0	-0.5
ASAR	Alice Springs	94.62 114	P	04 38 35.0	-0.5
ASAR	Alice Springs	94.62 114	P	04 38 35.0	-0.5
ASAR	Alice Springs	94.62 114	P	04 38 35.0	-0.5
ASAR	Alice Springs	94.62 114	P	04 38 35.0	-0.5





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Iron Bridge, Webster, Label-sur-Quev, Shullsburg, Chibougamau, Preston, Lockeyer, Post Highland, Val d'Or, Fountain, Evansville, Glayling, Lot 18 Range I, Sandfield, Mio, Reed City, G1948 Merrick, ZEK Kipawa Sen, Howard City, Yates City, Waltham Townsh, Sherman Twp, Tobernory, Bru, Arnstein, Passleys Farm, Lac Fusel, La, Mattawa, Barry, Barry, Summer, Sundridge, Killbear Provi, Dumoine, Ponti, La Daplat, Po, Buck Lake, Meriville Lake, Algonquin Park, Bridge Port, Vermontville, Winchester, Lajitas, Lajitas, Lajitas Ar. Si, Lajitas Array, Lajitas Array, Marlette, Wyevale, Golden Eagle, La Tuque, Haliburton, Rosebud, Pembroke, Monticello, Cathedral Cave, Cathedral Cave, Cathedral Cave, Bancroft, Lafayette, Sand Creek, Wi, Yelville, Orleans, Innes, Pickering, Alfred, Deloro Mine, Tweed, Wesleyville, Junction City, Viola, Greenville, Mount Ida, Mount Ida, Mount Ida, Woolly Hollow, Gary Mavity, Torodi, Torodi, Torodi, La Paz, La Paz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TASB, TASBURUN-IGDIR, DIGO, TUTA, CLDR, CLDR, CLDR, VMUR, VMUR, EAK, ADCV, SENK, HOMI, HOMI, AKDM.

ISCJB 10 04:58:00.3, 0.7, 28.17N, 0.05:51.75E, 0.07, h15km, mb3.5/3, MS3.9/2, Error ellipse: s-maj=9.5km s-min=-5.8km az=141.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GHIR, GHIR, SHI, SHI, SHI, IKAZ, IKAZ, JHRM, ISRV, ISRV, IPAR, IPAR, IPAR, KLNJ, IRAM, IRAM, IMEH, IMEH, ISAD, ISAD, ISAD, IGAR, IGAR, SHME, NGRK, ICHK, ICHK, KHGB, IZEF, IZEF, IZEF, IMEH, IMEH, TVBK, YZKH, MDH, IKLH, IKLH, HATD, ASHO, CHHM, KHMZ, KRSH, ISFB, GEYT, BRTR, MKAR, FINES, TORD, BOSA, PETK.

ISCJB 10 05:17:20.4, 1.6, 28.12N, 51.65E, h0km, mb3.7/4, mb1 3.8/6, mb1mx3.5/37, mbtmp3.7/6, ML3.5/2, Error ellipse: s-maj=38.3km s-min=28.8km az=12.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GHIR, GHIR, SHI, SHI, SHI, IKAZ, IKAZ, JHRM, IPAR, IPAR, KLNJ, IRAM, IRAM, IMEH, IMEH, ISAD, ISAD, ISAD, IGAR, IGAR, SHME, NGRK, ICHK, ICHK, KHGB, IZEF, IZEF, IZEF, IMEH, IMEH, TVBK, YZKH, MDH, IKLH, IKLH, HATD, ASHO, CHHM, KHMZ, KRSH, ISFB, GEYT, BRTR, MKAR, FINES, TORD, BOSA, PETK.

ISCJB 10 05:06:50.0, 1.6, 28.17N, 51.64E, h0km, mb3.7/5, mb1 3.8/7, mb1mx3.5/43, mbtmp3.7/7, ML3.6/2, Error ellipse: s-maj=32.5km s-min=27.3km az=177.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GHIR, GHIR, SHI, SHI, SHI, IKAZ, IKAZ, JHRM, IPAR, IPAR, KLNJ, IRAM, IRAM, IMEH, IMEH, ISAD, ISAD, NGRK, ICHK, IZEF, IZEF, IZEF, IMEH, IMEH, TVBK, YZKH, MDH, IKLH, IKLH, HATD, ASHO, CHHM, KHMZ, KRSH, ISFB, GEYT, BRTR, MKAR, FINES, TORD, BOSA, PETK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB, FINES, ARCES, TORD, DJA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GMJI, GMJI, PWJI, PWJI, PCJI, JAGI, WOGI, WOGI, GRJI, GRJI, KMI, YOGI, YOGI, DNP, DNP, SMRI, KPJI, CISI, PLAI.

ISCJB 10 05:17:20.4, 1.6, 28.12N, 51.65E, h0km, mb3.7/4, mb1 3.8/6, mb1mx3.5/37, mbtmp3.7/6, ML3.5/2, Error ellipse: s-maj=38.3km s-min=28.8km az=12.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GHIR, GHIR, SHI, SHI, SHI, IKAZ, IKAZ, JHRM, IPAR, IPAR, KLNJ, IRAM, IRAM, IMEH, IMEH, ISAD, ISAD, ISAD, IGAR, IGAR, SHME, NGRK, ICHK, ICHK, KHGB, IZEF, IZEF, IZEF, IMEH, IMEH, TVBK, YZKH, MDH, IKLH, IKLH, HATD, ASHO, CHHM, KHMZ, KRSH, ISFB, GEYT, BRTR, MKAR, FINES, TORD, BOSA, PETK.

ISCJB 10 05:17:20.4, 1.6, 28.12N, 51.65E, h0km, mb3.7/4, mb1 3.8/6, mb1mx3.5/37, mbtmp3.7/6, ML3.5/2, Error ellipse: s-maj=38.3km s-min=28.8km az=12.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GHIR, GHIR, SHI, SHI, SHI, IKAZ, IKAZ, JHRM, IPAR, IPAR, KLNJ, IRAM, IRAM, IMEH, IMEH, ISAD, ISAD, ISAD, IGAR, IGAR, SHME, NGRK, ICHK, ICHK, KHGB, IZEF, IZEF, IZEF, IMEH, IMEH, TVBK, YZKH, MDH, IKLH, IKLH, HATD, ASHO, CHHM, KHMZ, KRSH, ISFB, GEYT, BRTR, MKAR, FINES, TORD, BOSA, PETK.

MEX 10 05:29:47.8, 0.3, 16.06N, 98.61W, h3km, 3km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG, PNIG, TLIG, TLIG, VHO, VHO.

NIED 10 05:34:00.34, 20N:139.90E, h92km, Mw3.8 Best double couple: M6.27000:1014 NP1:89.00000, 835.00000, 1.76.00000, NP2:89.1900000, 888.00000, 1.55.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMKN, JMKN, JNIO, JNIO, JSHK, JSHK, JTHY, JTHY, JIMO, JIMO, JKO, BSO3, BSO3, BSO1, BSO1.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IZUSHIMODA, HACHIOJI JIMA, and various amateur radio operators.

IDC 10 05:40:00.7.3.3.28.65N:141.21E, h0km, mb3.8/4, mb1 3.9/4, mb1mx3.4/48, mbtmp3.8/4, Error ellipse: s-maj=177.4km s-min=25.3km az=79.0

ISCJB 10 05:40:47.9.0.2.28.21N:070.140.3E:0.2, h450km, mb3.2/4, Error ellipse: s-maj=20.1km s-min=7.6km az=166.7

JMA 10 05:40:48.8.0.1.28.41N:140.81E, h458km, M3.7, ISC 10 05:40:48.9.0.2.28.26N:0109.140.5E:0.2, h450km, n11, e=097.13, mb3.3/4, Bonin Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CHICHI JIMA, HAHAI-JIMA-NKT2, and various amateur radio operators.

IDC 10 05:43:12.9.0.9.28.16N:151.64E, h0km, mb4.1/16, mb1 4.1/18, mb1mx3.9/48, mbtmp4.1/18, ML3.5/2, MS2.9/2, Ms1 2.9/2, ms1mx2.5/44, Error ellipse: s-maj=21.7km s-min=17.2km az=161.0

ISCJB 10 05:43:14.0.0.4.28.16N:03.5154E:0.05, h16km, mb4.0/26, MS3.0/1, Error ellipse: s-maj=6.7km s-min=3.2km az=145.0

DSN 10 05:43:14.5.0.8.28.38N:51.70E, h10km, ML3.8/6, Error ellipse: s-maj=17.1km s-min=5.1km az=61.0

NEIC 10 05:43:14.4.1.2.29.17N:51.64E, h10km, 2km, mb4.1/12, MN3.6(TEH), Error ellipse: s-maj=21.9km s-min=18.3km az=181.0

TEH 10 05:43:16.1.28.33N:51.60E, h10km, ML3.5, THR 10 05:43:17.4.28.49N:51.74E, h7km, ML3.4

OMAN 10 05:43:18.0.2.0.28.26N:51.83E, h18km, ml3.9/6, Error ellipse: s-maj=25.7km s-min=18.3km az=320.0

ISC 10 05:43:16.0.0.6.28.23N:03.6155E:0.06, h16km, n72, e=110.79, mb4.1/26, Southern Iran

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GHIR-GHARZIN, GHIR-GHARZIN, and various amateur radio operators.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KAZEROUN, SHIRAZ, JAHROM, and various amateur radio operators.

IDC 10 05:58:15.2.1.9.13.83N:88.12W, h0km, mb3.3/3, mb1 3.7/5, mb1mx3.4/52, mbtmp3.4/5, ML3.4/2, MS2.8/1, Ms1 2.8/1, ms1mx2.4/13, Error ellipse: s-maj=82.8km s-min=28.7km az=46.0

ISCJB 10 05:58:17.6.0.6.12.88N:07.885W:0.05, h67km, gkm, mb3.3/3, Error ellipse: s-maj=13.6km s-min=3.6km az=31.1

UCR 10 05:58:18.2.1.9.12.86N:88.86W, h45km, 30km, MD3.9, ISC 10 05:58:19.7.1.1.12.98N:07.8879W:0.05, h66km, gkm, n36, e=139.51, mb3.2/3, Off coast of central America

YKA Yellowknife Arr 89.92 354 P P 05 56 09.6 +0.3

ASAR Alice Springs 94.52 114 P P 05 56 34.6 -1.5

IDC 10 05:58:19.7.1.1.12.98N:07.8879W:0.05, h66km, gkm, n36, e=139.51, mb3.2/3, Off coast of central America

UESV Ojushatda 0.40 0 Op ISC h m s ISC 05 58 30.0 +1.6

UESV Ojushatda 0.40 0 Op Es 05 58 44.3 +4.5

UESV Ojushatda 0.40 0 Op Es 05 58 44.3 +4.5

UESV Ojushatda 0.40 0 Op Es 05 58 44.3 +4.5

UESV Ojushatda 0.40 0 Op Es 05 58 44.3 +4.5

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UESV Ojushatda 0.40 0 Op Es 05 58 44.3 +4.5

UESV Ojushatda 0.40 0 Op Es 05 58 44.3 +4.5

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GHIR-GHARZIN, GHIR-GHARZIN, and various amateur radio operators.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SAN VICENTE, LACAYO, SAN MIGUEL, and various amateur radio operators.

IDC 10 06:18:29.8.0.9.28.19N:51.67E, h0km, mb4.2/16, mb1 4.4/20, mb1mx4.2/43, mbtmp4.3/20, ML3.7/4, MS3.4/9, Ms1 3.4/9, ms1mx3.1/50, Error ellipse: s-maj=21.1km s-min=15.9km az=171.0

MOS 10 06:18:31.2.1.2.28.30N:51.73E, h13km, mb4.4/21, Error ellipse: s-maj=7.8km s-min=5.2km az=100.9

ISCJB 10 06:18:31.9.0.3.28.33N:03.5172E:0.03, h15km, mb4.3/66, MS3.4/9, Error ellipse: s-maj=4.5km s-min=3.1km az=20.8

NEIC 10 06:18:32.6.2.28.29N:51.70E, h10km, 1km, mb4.4/31, MN4.1(TEH), Error ellipse: s-maj=20.4km s-min=9.1km az=191.0

TEH 10 06:18:33.1.28.34N:51.70E, h28km, ML4.1, THR 10 06:18:33.9.28.44N:51.79E, h17km, ML3.6

ISC 10 06:18:32.8.0.5.28.29N:05.5177E:0.04, h15km, n180, e=196.3/188, mb4.3/66, MS3.4/9, 15C-3D, Southern Iran

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GHIR-GHARZIN, GHIR-GHARZIN, and various amateur radio operators.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GHIR-GHARZIN, GHIR-GHARZIN, and various amateur radio operators.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GHIR-GHARZIN, GHIR-GHARZIN, and various amateur radio operators.

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Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GHIR-GHARZIN, GHIR-GHARZIN, and various amateur radio operators.



Table of station data for the first 10 days of April, including station names like KARs, ZEI, KBL, KBZ, KIV, SOC, BR101, etc., with columns for time, frequency, and other parameters.

Table of station data for the next 10 days of April, including station names like MK31, MK32, MKAR, MKAR, KURK, etc., with columns for time, frequency, and other parameters.

Table of station data for the final 10 days of April, including station names like ATH, SKO, VAY, VAY, VAY, etc., with columns for time, frequency, and other parameters.



AYDN	Tasoluk	22.05 301	iP	P	07 15 34.9	-1.1	DOPR	Dopca	27.27 318	iP	P	07 16 25.3	-0.1	MYKA	Terra Mystica	34.95 312	iP	P	07 17 34.2	+1.2
AYDN	comp=Z,358nm,0.6s						BIZ	Bicaz	27.38 320	iP	P	07 16 25.9	+0.2	UPC	Upice	34.95 319	eP	P	07 17 32.7	-0.1
YL	Yalova	22.09 310	iP	P	07 15 38.4	+2.0	ARR	Arges	27.43 316	iP	P	07 16 27.9	+1.1	UPC	Upice	34.95 319	eP	P	07 17 32.7	-0.1
BODT	Bodrum	22.31 299	P	P	07 15 38.5	-0.2	STP	Stip	27.52 307	eP	P	07 16 27.1	-0.6	MOA	Moline	34.95 314	iP	P	07 17 32.6	-0.3
AML	Almalyashu	22.60 46	P	P	07 15 41.3	-0.8	FNA	Florina	27.82 305	eP	P	07 16 29.7	-0.6	MBAR	Mbarara	35.03 219	P	P	07 17 34.7	+0.6
AKTO	AKTyubinsk	22.68 10	P	P	07 15 41.9	+0.5	FNA	Florina	27.82 305	eP	P	07 16 29.7	-0.6	MBAR	Mbarara	35.03 219	eP	P	07 17 35.0	+0.9
AKTO	comp=Z,8.3nm,0.8s,baz=197,slow=12,SNR=19						KRUS	Krusevo	28.09 306	iP	P	07 16 33.4	+0.6	MBAR	Mbarara	35.03 219	eP	P	07 17 35.0	+0.9
STEP	BALIKESIR_Sava	22.76 305	iP	P	07 15 43.0	-0.5	AKASA	Malin Array Be	28.16 329	P	P	07 16 31.9	-1.3	ZAAO	Zalesovo Arra	35.26 34	P	P	07 17 35.2	-0.2
STEP	comp=Z,5.79nm,20.3s,baz=194,slow=42						AKBB	Malin Array Si	28.16 329	eP	P	07 16 31.5	-1.7	ZALV	Zalesovo Beam	35.26 34	P	P	07 17 34.2	-1.2
EKS2	Erkin-Say	22.93 45	P	P	07 15 48.9	+3.6	AKBB	Malin Array Si	28.16 329	eP	P	07 16 31.5	-1.7	ZAA1	Zalesovo Arra	35.26 34	P	P	07 17 34.2	-1.2
KSH	Kashi	23.00 54	P	P	07 15 43.3	-2.7	KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	KBA	Koelnbreinsper	35.28 313	iP	P	07 17 35.8	-0.2
KSH	comp=Z,200nm,0.2s						KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
KSH	Kashi	23.00 54	P	P	07 15 43.3	-2.7	KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
KSH	Erkin-Say	22.93 45	P	P	07 15 48.9	+3.6	KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
KSH	comp=Z,2.27nm,0.7s						KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
KSH	comp=Z,350nm,4.5s						KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
KSH	comp=Z,930nm,7.8s						KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
KSH	comp=Z,800nm,7.5s						KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
KSH	comp=Z,2um,15.6s						KIEV	Kiev	28.16 329	eP	P	07 16 31.2	-4.0	GOPC	GO Peeny, Ondr	35.41 318	eP	MLR	07 17 37.9	+1.0
UCH	Uchter	23.18 47	P	P	07 15 51.3	+3.1	AK11	Malin Array Si	28.26 332	eP	P	07 16 31.3	-1.9	PRU	Pruhonice	35.59 318	AMS	AMS	07 37 00.0	
AAK	Ala-Archa	23.37 46	P	P	07 15 50.9	+1.0	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	comp=Z,5.4nm,0.6s,baz=213,slow=7,SNR=14						BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	P	P	07 15 53.4	+3.6	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	comp=Z,3um,18.1s,baz=234,slow=41						BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	P	P	07 15 50.9	+1.0	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	eP	P	07 15 50.9	+1.0	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	eP	P	07 15 51.1	+1.3	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	eP	P	07 15 50.7	+0.9	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	P	P	07 15 51.2	+1.3	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	P	P	07 15 51.2	+1.3	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	P	P	07 15 51.2	+1.3	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
AAK	Ala-Archa	23.37 46	P	P	07 15 51.2	+1.3	BURAR	Bucovina Arra	28.26 332	eP	P	07 16 31.5	+0.7	GEAO	GERESS Array S	35.65 316	eP	P	07 17 38.0	-1.0
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
FRU1	Bishkek	23.55 46	eP	P	07 15 51.0	-0.4	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+1.0	BRVK	Borovyoe	28.35 24	eP	P	07 16 33.4	-1.5	KHC	Kasperske Hory	35.84 316	eP	P	07 17 40.2	-0.4
SANT	Santorini	23.58 297	eP	P	07 15 52.8	+														



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALVO Zalesovo Beam, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRAR 10 07:43:51.6, 0.0, 53.69N; 101.06E, M2.2, Industrial explosion (after): The Earthquakes of Russia in 2012, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ISJ 10 07:59:53.4, 0.5, 28.20N; 51.70E, h0km, 118km, ML5.2, BUI 10 07:59:56.6, 28.40N; 51.70E, h8km, mb5.0/60, MS5.3/57, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like MZR Muzera, ALNE AI Ain, and SOHO SOHO.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like BTLR Botlikh, MAK Makhachkala, and OFRI Ofer.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like BOLV comp=Z,2um,0.6s, AKAS Kas, and AUMIH MIHALICIK.





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

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like CM31, CMAR, CM01, etc.

10d 7h

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Table with columns: TOAD, Torodi Ar. Sit, SNR=5.7, 48.83 263 P, P, 08 08 45.1 0.0

Table with columns: ZEA, comp=E,2um,14.0s, MLR, MLR, 59.30 21 eP, P, 08 10 00.2 -0.5

Table with columns: DRLN, Deer Lake, 80.38 321 eP, P, 08 12 10.9 +0.1

N59A	baz=39	State Game Lan	95.62 323 P	P		08 13 25.0 -0.1
BMRO	baz=44	Merriville Lake	95.62 328 P	P		08 13 25.2 +0.2
E46A	baz=40	Sault Ste Mari	95.62 331 P	P		08 13 25.4 +0.2
BWLO	baz=38	Walkerton	95.95 328 P	P		08 13 27.4 +0.9
MAW	baz=40	Mawson	96.06 176 LR	LR		08 50 25.0
L55A	baz=42	Grand Marais A	96.08 332 P	P		08 13 26.8 -0.4
E44A	baz=37	Lac du Bonnet	96.61 340 P	P		08 13 30.8 +1.4
ULM	comp=Z.2,275nm,1.0s	Ulm	96.98 325 P	P		08 13 24.8 -2.4
SYO	comp=Z.2,275nm,1.0s	Syowa Base	97.51 1841eX			08 59 26.8
O51A	comp=Z.2,275nm,1.0s	Pataskala	99.69 326 P	Pdf		08 13 30.8 -1.9
H39A	comp=Z.2,275nm,1.0s	Augusta	99.83 334 P	Pdf		08 13 42.4 -1.0
N49A	comp=Z.2,275nm,1.0s	Columbus Grove	99.84 328 P	Pdf		08 13 44.2 +0.2
PS2A	comp=Z.2,275nm,1.0s	Corning	99.84 326 P	Pdf		08 13 44.8 +0.7
P54A	comp=Z.2,275nm,1.0s	Pinedale Array	107.13 346 PKKP			08 13 43.9 -0.2
NVAR	comp=Z.2,275nm,1.0s	Mina Array Bea	112.89 352 PKPKP			08 29 54.3
SIV	comp=Z.2,275nm,1.0s	San Ignacio	117.24 266 PKP	PKPdf		08 29 54.3
CPUC	comp=Z.2,275nm,1.0s	Villa Florida	117.82 254 PKP	PKPdf		08 18 45.6 -0.8
CHIC	comp=Z.2,275nm,1.0s	Chingaza	118.13 293 eP	PKPpdf		08 18 46.7 -1.1
QSPA	comp=Z.2,275nm,1.0s	South Pole Qui	118.22 180 ePKPpdf	PKPpdf		08 18 46.7 -1.1
DBBC	comp=Z.2,275nm,1.0s	Dabeiba	118.70 297 eP	PKPpdf		08 18 45.6 -0.4
PRAC	comp=Z.2,275nm,1.0s	Prado	118.70 297 eP	PKPpdf		08 18 48.9 +0.3
PRAC	comp=Z.2,275nm,1.0s	Prado	119.60 293 eP	PKPpdf		08 18 48.9 +0.3
YOTC	comp=Z.2,275nm,1.0s	Yotoco, Valle	120.62 294 eP	PKPpdf		08 18 48.8 -1.5
FLOC	comp=Z.2,275nm,1.0s	Florenca	121.44 291 eP	PKPpdf		08 18 50.5 -1.7
PCON	comp=Z.2,275nm,1.0s	Cinco Dias	121.62 293 eP	PKPpdf		08 18 53.1 -0.6
SOTA	comp=Z.2,275nm,1.0s	Rioblanco	121.91 293 eP	PKPpdf		08 18 53.1 -0.6
SOTA	comp=Z.2,275nm,1.0s	Rioblanco	121.91 293 eP	PKPpdf		08 18 53.1 -0.6
LPAZ	comp=Z.2,275nm,1.0s	La Paz	123.57 269 PKP	PKPpdf		08 18 54.0 -1.2
LPAZ	comp=Z.2,275nm,1.0s	La Paz	123.57 269 PKP	PKPpdf		08 18 54.0 -1.2
OTAV	comp=Z.2,275nm,1.0s	Otavallo	124.50 292 ePKPKP	PKPpdf		08 18 58.2 -0.2
OTAV	comp=Z.2,275nm,1.0s	Otavallo	124.50 292 ePKPKP	PKPpdf		08 18 58.2 -0.2
GO01	comp=Z.2,275nm,1.0s	Chuzmisza	125.79 265 ePKPpdf	PKPpdf		08 18 58.0 +0.5
PB11	comp=Z.2,275nm,1.0s	IPOC Station P	126.23 265 ePKPpdf	PKPpdf		08 19 01.3 +0.8
LVC	comp=Z.2,275nm,1.0s	Limon Verde	126.56 262 PKP	PKPpdf		08 19 01.3 +0.2
CFA	comp=Z.2,275nm,1.0s	Coronel Fontan	128.45 251 PKP	PKPpdf		08 19 03.3 +0.2
PLCA	comp=Z.2,275nm,1.0s	Paso Flores	131.67 239 PKP	PKPpdf		08 19 04.2 +0.1
PPT2	comp=Z.2,275nm,1.0s	Papeete	157.66 eLR	LR		08 19 07.2 -0.1
						09 13 07.0

IDC 10 08:06:59.5-1.6,28.46N-51.68E,h0km,mb3.8/3,  
mb1 4.1/4,mb1mx3.6/47,mbtmp3.9/4,ML3.8/1,Error  
ellipse: s-maj=45.5km s-min=35.2km az=40.0, Southern  
Iran

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
WSAR	Wadi Sarin	8.14 128	Op	08 08 58.9	-0.1
FINES	FINES Array B	37.13 340	P	08 14 11.3	-0.3
TORD	Tordi Ar. Bea	48.80 263	P	08 15 46.6	-0.1
YKA	Yellowknife Ar	88.70 354	P	08 19 54.7	+0.1

MOS 10 08:08:33.0-0.8,28.40N-51.68E,h12km,mb4.5/14,Error  
ellipse: s-maj=11.5km s-min=6.9km az=75.3,  
IDC 10 08:08:33.0-0.6,28.40N-51.68E,h0km,mb4.4/21,  
mb1 4.5/25,mb1mx4.3/49,mbtmp4.4/25,ML4.1/4,Error  
ellipse: s-maj=16.0km s-min=14.0km az=12.0  
NEIC 10 08:08:34.8-1.2,28.41N-51.68E,h10km,mb4.5/18,  
MN4.3(TEH),Error ellipse: s-maj=19.1km s-min=15.9km  
az=178.0  
THR 10 08:08:36.5,28.55N-51.72E,h11km,ML4.0  
TEH 10 08:08:36.2,28.47N-51.62E,h18km,ML4.3  
ISCBJ 10 08:08:37.4-0.5,28.39N-0.0351.66E,0.0/4,h46km,4km,  
mb4.3/47,MS4.4/2,Error ellipse: s-maj=7.1km  
s-min=3.5km az=152.3  
OMAN 10 08:08:40.6-1.9,28.08N-51.67E,h16km,Error ellipse:  
s-maj=39.5km s-min=14.8km az=4.0  
DSN 10 08:08:42.5-0.8,28.40N-52.29E,h10km,ML4.2/8,Error  
ellipse: s-maj=21.2km s-min=7.7km az=47.0  
ISC 10 08:08:36.0-1.7,28.44N-0.0551.70E,0.05,h18km,8km,  
n126.51/38/140,mb4.4/47,SC Southern Iran

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
IKAZ	Kazeroun	1.34 5	ePg	08 09 01.2	-0.8
IKAZ	Kazeroun	1.34 5	ePg	08 09 19.8	+0.1
SHI	Shiraz	1.60 30	ePn	08 09 23.8	-0.2
SHI	Shiraz	1.60 30	ePn	08 09 23.8	-0.2
JHRM	Jahrom	1.65 87	IAMB	08 09 45.1	
JHRM	Jahrom	1.65 87	IAMB	08 09 45.1	
IPAR	Pars	1.83 40	ePn	08 09 06.8	-1.0
IPAR	Pars	1.83 40	ePn	08 09 43.7	
IPAR	Pars	1.83 40	ePn	08 09 06.8	-1.0
IPAR	Pars	1.83 40	ePn	08 09 43.7	
IRAM	Rameshah	3.41 10	ePn	08 09 09.2	0.0
IRAM	Rameshah	3.41 10	ePn	08 09 18.6	+1.6
IRAM	Rameshah	3.41 10	ePn	08 09 30.0	+1.4
IRAM	Rameshah	3.41 10	ePn	08 09 50.4	
ZNGN	Zangian	3.74 349	ePn	08 09 34.2	+1.0
ISAD	Sadabad	3.87 26	ePn	08 09 37.0	+2.1
IMEH	Mehriz	3.88 40	ePn	08 09 38.2	+3.2
IMEH	Mehriz	3.88 40	ePn	08 09 39.2	
ROKH	Rokh	3.94 352	ePn	08 09 36.6	+0.8
IGAR	Garnah	3.96 4	ePn	08 09 37.5	+1.3
IGAR	Garnah	3.96 4	ePn	08 09 39.9	
IPIR	Pirpir	4.29 351	ePn	08 09 41.7	+1.0
IPIR	Pirpir	4.29 351	ePn	08 10 38.3	
ICHK	Chekchek	4.46 31	ePn	08 09 45.1	+2.2
ICHK	Chekchek	4.46 31	ePn	08 09 45.5	
IREF	Zefreh	4.48 7	ePn	08 09 44.8	+1.5
IREF	Zefreh	4.48 7	ePn	08 09 45.5	
SHME	Shamm	4.61 120	iP	08 09 46.1	+1.2
YZKH	Yazd	4.66 32	ePn	08 09 47.8	+2.1
YZKH	Yazd	4.66 32	ePn	08 09 48.2	
KRBR	Kerman	4.68 70	ePn	08 09 48.8	+2.7
KRBR	Kerman	4.68 70	ePn	08 09 48.8	+2.7
TVBK	TV Kerman	4.68 70	ePn	08 09 49.2	+3.0
AJN	Ajban	4.85 142	iP	08 09 51.8	+3.6
IKLH	Kolahrood	4.87 359	ePn	08 09 49.2	+0.6
IKLH	Kolahrood	4.87 359	ePn	08 09 52.3	
NAZ	Nazwa, Dubai	4.93 133	iP	08 09 51.7	+2.4
NAZ	Nazwa, Dubai	4.93 133	iP	08 09 51.7	+2.4
ASUD	Ai Ashush, Dub	5.00 139	iP	08 09 52.9	+2.7
MSFE	Esmā-Masafi	5.02 127	iP	08 09 52.3	+1.8

FAQ	SNR=50	Ai Faqa, Dubai	5.06 136	iP	Pn	08 09 53.1	+2.1
MDH	SNR=24	Madha	5.16 126	iP	Pn	08 09 53.8	+1.4
HATD	SNR=17	Hatta, Dubai	5.35 131	iP	Pn	08 09 58.0	+2.9
ASHO	SNR=17	Ashtiyah	5.40 133	iP	Pn	08 09 57.3	+1.6
ASHO	SNR=32	Ashtiyah	5.40 133	S	Sn	08 10 57.1	-0.5
ASHO	SNR=32	Ashtiyah	5.40 133	S	Sn	08 09 57.6	+1.8
ASHO	SNR=6.1	Ashtiyah	5.49 345	ePn	Pn	08 10 58.7	+1.2
KHMZ	SNR=6.1	Khameyn	5.49 345	ePn	Pn	08 09 59.2	+2.0
KHMZ	SNR=6.1	Khameyn	5.49 345	ePn	Pn	08 09 59.2	+2.0
ALNE	SNR=20	Al Ain	5.68 139	iP	Pn	08 10 01.8	+2.3
ALNE	SNR=20	Al Ain	5.68 139	iP	Pn	08 10 01.8	+2.3
ALNE	SNR=6.1	Al Ain	5.68 139	ePn	Pn	08 10 01.9	+2.0
GHRV	SNR=6.1	Ghom	6.04 357	ePn	Pn	08 10 06.2	+1.7
GHRV	SNR=6.1	Ghom	6.04 357	ePn	Pn	08 10 06.2	+1.7
SOHO	SNR=50	Soho	6.09 134	iP	Pn	08 10 06.6	+1.3
SOHO	SNR=50	Soho	6.09 134	iP	Pn	08 10 06.6	+1.3
TABS	SNR=1	Tabas	6.97 40	ePn	Pn	08 11 15.1	+0.5
TABS	SNR=1	Tabas	6.97 40	ePn	Pn	08 11 15.1	+0.5
SMDO	SNR=1	Samad	7.83 132	iP	Pn	08 10 19.3	+2.0
SMDO	SNR=1	Samad	7.83 132	iP	Pn	08 10 19.3	+2.0
SMDO	SNR=1	Samad	7.83 132	iP	Pn	08 10 32.1	+2.8
JMDO	SNR=7.7	Jabal Madar	8.36 135	P	Sn	08 10 37.2	+0.7
JMDO	SNR=7.7	Jabal Madar	8.36 135	P	Sn	08 10 37.2	+0.7
WBK	SNR=6	Wadi Bani Khal	8.76 130	S	Sn	08 10 42.8	+0.9
WBK	SNR=6	Wadi Bani Khal	8.76 130	S	Sn	08 10 42.8	+0.9
DMYT	SNR=8	Alibek	10.88 28	Pn	Pn	08 11 11.9	+0.9
DMYT	SNR=8	Alibek	10.88 28	Pn	Pn	08 11 11.9	+0.9
DMTO	SNR=24	Tsey	11.08 164	P	P	08 11 14.4	+0.8
DMTO	SNR=24	Tsey	11.08 164	P	P	08 11 14.4	+0.8
ZEI	SNR=1	Tsey	15.65 338	ePm	Pm	08 12 15.4	-0.4
ZEI	SNR=1	Tsey	15.65 338	ePm	Pm	08 12 15.4	-0.4
NEY	SNR=1	Neytrino	16.46 336	iP	Pn	08 12 22.3	-3.9
NEY	SNR=1	Neytrino	16.46 336	iP	Pn	08 12 22.3	-3.9
KBZ	SNR=2.3nm,0.3s	Khabaz	16.86 337	Pn	Pn	08 12 31.2	+0.7
KBZ	SNR=2.3nm,0.3s	Khabaz	16.86 337	Pn	Pn	08 12 31.2	+0.7
BRI11	SNR=4.1	Keeskin Array S	18.69 312	eP	Pn	08 12 53.9	0.0
BRI11	SNR=4.1	Keeskin Array S	18.69 312	eP	Pn	08 12 53.9	0.0
BRTR	SNR=9.8	Keeskin Array B	18.69 312	P	P	08 12 53.9	0.0
BRTR	SNR=9.8	Keeskin Array B	18.69 312	P	P	08 12 53.9	0.0
BR131	SNR=9.8	Keeskin Array S	18.69 312	eP	Pn	08 12 53.7	-0.1
BR131	SNR=9.8	Keeskin Array S	18.69 312	eP	Pn	08 12 53.7	-0.1
KK31	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.3	0.0
KK31	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.3	0.0
KK31	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.3	0.0
KK31	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.3	0.0
KK31	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.9	+0.6
KK31	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.9	+0.6
KKAR	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.9	+0.6
KKAR	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.9	+0.6
KKAR	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.9	+0.6
KKAR	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.9	+0.6
KKAR	SNR=0.8s	Karatay Array	21.08 41	eP	Pm	08 13 19.9	+0.6
ABKAR	SNR=0.8s	Abkulkar Array	21.73 15	eP	Pm	08 13 26.8	+0.5
ABKAR	SNR=0.8s	Abkulkar Array	21.73 15	eP	Pm	08 13 26.8	+0.5
AKTO	SNR=0.6s	Aktyubinsk	22.49 11	P	P	08 13 35.2	+0.8
AKTO	SNR=0.6s	Aktyubinsk	22.49 11	P	P	08 13 35.2	+0.8
KSH	SNR=0.6s	Kashi	22.89 55	P	P	08 13 36.4	-2.5
KSH	SNR=0.6s	Kashi	22.89 55	P	P	08 13 42.4	-1.9
KSH	SNR=0.6s	Kashi	22.89 55	P	P	08 13 47.0	+0.4
KSH	SNR=0.6s	Kashi	22.89 55	P	P	08 13 47.0	+0.4
AAK	SNR=1.2s	Ala-Archa	23.24 46	eP	P	08 13 43.9	+1.4
AAK	SNR=1.2s	Ala-Archa	23.24 46	eP	P	08 13 43.9	+1.4
AAK	SNR=1.2s	Ala-Archa	23.24 46	eP	P	08 13 42.5	0.0
AAK	SNR=1.2s	Ala-Archa	23.24 46	eP	P	08 13 42.5	0.0
IDI	SNR=0.8s	Anoyia	23.73 294	P	P	08 13 48.9	+1.6
IDI	SNR=0.8s	Anoyia	23.73 294	P	P	08 13 48.9	+1.6
BOOM	SNR=4.6	Boomsokoy usch	24.11 48	eP	P	08 13 53.1	+2.2

Table with columns: JHO, Hitachi, 1.19 236 P, Pn, 08 27 42.1 -0.1, etc.

ISK 10 08:34:33.5, 38°53'N, 34°84'E, h3km, ML2, 1.6
ISCJB 10 08:34:35.1, 0.8, 38°56'N, 0.06, 34°78'E, 0.06, h10km, 6km,
Error ellipse: s-maj=9.8km s-min=6.7km az=22.7

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

ISC 10 08:41:31.2, 1.6, 28°07'N, 51°79'E, h0km, mb3.6/5,
mb1 3.77, mb1mx3.4/44, mbmt3.6/7, ML3, 3.2, Error
ellipse: s-maj=36.1km s-min=26.3km az=1.0

ISCJB 10 08:41:32.1, 0.8, 27°97'N, 0.06, 51°78'E, 0.07, h24km,
mb3.6/5, Error ellipse: s-maj=9.9km s-min=7.1km
az=147.1

TEH 10 08:41:35.8, 28°35'N, 51°58'E, h31km, ML3.2
ISC 10 08:41:34.9, 1.0, 28°15'N, 0.08, 51°78'E, 0.08, h24km, n19,
r19, 10/22, Turkey

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

ISCJB 10 08:51:53.2, 0.5, 19°30'S, 0.05, 69°28'W, 0.09, h127km, 5km,
mb3.6/3, Error ellipse: s-maj=14.9km s-min=7.5km
az=161.1

GUC 10 08:51:53.3, 0.6, 19°27'S, 69°18'W, h123km, km, ML3.6
ISC 10 08:51:54.0, 1.7, 19°31'S, 69°27'W, h120km, 18km, mb3.4/1,
mb1 3.5/6, mb1mx3.4/32, mbmt3.7/6, MS3.8/1, Ms1 3.8/1,
ms1mx3.1/15, Error ellipse: s-maj=28.9km s-min=16.3km
az=92.0

ISC 10 08:51:53.7, 0.8, 19°26'S, 0.05, 69°19'W, 0.09, h116km, 7km,
n15, r15/07/22, mb3.8/3, 6C-1D, Northern Chile

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

Table with columns: BDFB, Brasilia, 20.51 83 P, P, 08 56 23.3 +0.3, etc.

ISCJB 10 08:56:35.5, 0.7, 41°07'N, 0.04, 143°39'E, 0.08, h30km,
mb3.6/7, Error ellipse: s-maj=9.7km s-min=4.5km az=31.6
JMA 10 08:56:36.8, 0.1, 41°10'N, 143°27'E, h48km, 3km
IDC 10 08:56:39.6, 2.8, 41°08'N, 143°22'E, h48km, 27km, mb3.4/7,
mb1 3.5/9, mb1mx3.4/48, mbmt3.6/9, ML2, 7/2, Error
ellipse: s-maj=32.7km s-min=19.2km az=84.0

ISC 10 08:56:37.4, 0.9, 41°12'N, 0.06, 143°31'E, 0.07, h30km, n29,
r080/28, mb3.6/7, 1C, Hokkaido region

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

ISC 10 08:59:48.7, 0.9, 28°38'N, 51°70'E, h0km, mb4.1/12,
mb1 4.2/15, mb1mx3.9/49, mbmt3.4/15, ML3, 8/3, Error
ellipse: s-maj=21.1km s-min=19.4km az=35.0

NEIC 10 08:59:50.3, 0.2, 28°41'N, 51°70'E, h10km, 1km, mb4.1/11,
MNA (QTEH), Error ellipse: s-maj=20.9km s-min=17.1km
az=204.0

ISCJB 10 08:59:50.4, 0.3, 28°32'N, 0.03, 51°63'E, 0.04, h24km,
mb4.0/19, Error ellipse: s-maj=5.6km s-min=2.6km
az=148.9

OMAN 10 08:59:51.3, 0.3, 28°46'N, 51°61'E, h29km, mL4, 3/6, Error
ellipse: s-maj=15.3km s-min=9.9km az=43.0

TEH 10 08:59:51.2, 28°43'N, 51°63'E, h20km, ML4.1
THR 10 08:59:52.3, 28°59'N, 51°67'E, h18km, ML4.0/8, Error
ellipse: s-maj=26.6km s-min=17.4km az=21.0

ISC 10 08:59:52.6, 0.5, 28°41'N, 0.05, 51°70'E, 0.06, h24km, n104,
r099/111, mb4.1/19, Southern Iran

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

ISCJB 10 09:09:21.8, 39°72'N, 30°72'E, h2km, ML2, 1/11, Suspected
Mining explosion.

ISCJB 10 09:09:22.9, 0.5, 39°72'N, 0.03, 30°70'E, 0.05, h0km, Error
ellipse: s-maj=5.7km s-min=3.8km az=152.4

DDA 10 09:09:22.7, 39°74'N, 30°68'E, h7km, km, ML2.8
ISC 10 09:09:22.9, 0.9, 39°74'N, 0.03, 30°74'E, 0.03, h0km, n19,
r055/22, Turkey

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

Table with columns: MSFE, Esma-Masafi, 5.01 126 i P, Pn, 09 01 06.7 +0.3, etc.

ISCJB 10 09:09:22.9, 0.5, 39°72'N, 0.03, 30°70'E, 0.05, h0km, Error
ellipse: s-maj=5.7km s-min=3.8km az=152.4

DDA 10 09:09:22.7, 39°74'N, 30°68'E, h7km, km, ML2.8
ISC 10 09:09:22.9, 0.9, 39°74'N, 0.03, 30°74'E, 0.03, h0km, n19,
r055/22, Turkey

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

ISCJB 10 09:10:57.1, 0.7, 28°27'N, 0.03, 51°53'E, 0.07, h24km, Error
ellipse: s-maj=9.5km s-min=3.4km az=157.7

TEH 10 09:10:58.7, 28°40'N, 51°62'E, h9km, ML3.6
THR 10 09:10:58.7, 28°46'N, 51°61'E, h7km, km, ML3.6
OMAN 10 09:11:00.2, 1.0, 28°30'N, 51°79'E, h17km, km, 7/5, Error
ellipse: s-maj=28.8km s-min=19.3km az=42.0





10d 9h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MBRI Mt Berech, EIL Elat, etc.

ADC 109:29:28.1, 7.1, 41.98N, 82.29E, h0km, mb3.5/4, mb1 3.8/7, mb1mx3.5/55, mbtmp3.6/7, ML3.0/3, Error ellipse: s-maj=43.8km s-min=21.9km az=96.0

SOME 109:29:30.0, 42.15N, 82.25E, h5km, mb4.2, mpv3.9, NNC 109:29:31.7, 1.9, 42.11N, 82.25E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=14.1km s-min=8.5km az=156.0

BUI 109:29:33.9, 42.17N, 82.24E, h6km, ML3.6/11, ISC 109:29:30.8, 1.0, 42.07N, 0.06, 82.21E, 0.04, h10km, Res, e2=18/75, mb3.5/4, 15C-5D, Northern Xinjiang

Main table of station data for the 10d 9h period, including stations like Keitmen, Shalkode, Podgornye, etc.

2013 APR

Table of station data for 2013 APR, including stations like KUU Kurly, KST Keston, MK31 Makanchi Array, etc.

ADC 109:29:51.7, 1.1, 28.35N, 51.65E, h0km, mb4.0/13, mb1 4.1/16, mb1mx3.9/52, mbtmp4.0/16, ML3.4/4, MS3.3/5, Ms1 3.3/5, ms1mx2.9/46, Error ellipse: s-maj=24.2km s-min=19.9km az=10.0

NEIC 109:29:53.0, 0.0, 28.36N, 51.65E, h14km, mb4.3/20, ML4.4(THR), MN4.1(TEH), After THR.

NEIC Fell at Dashi Shabankareh, TEH 109:29:53.5, 28.44N, 51.70E, h12km, ML4.4, ISCJB 109:29:53.6, 0.3, 28.36N, 0.02, 51.62E, 0.03, h24km, mb4.3/32, MS3.4/4, Error ellipse: s-maj=4.7km s-min=2.9km az=145.4

THR 109:29:53.3, 28.36N, 51.65E, h14km, ML4.4, DSN 109:29:57.2, 1.5, 28.21N, 51.81E, h10km, ML3.7/4, Error ellipse: s-maj=26.7km s-min=11.7km az=32.0

OMAN 109:29:59.4, 2.1, 28.23N, 51.83E, h21km, ml3.8/5, Error ellipse: s-maj=51.3km s-min=20.1km az=41.0

ISC 109:29:55.2, 0.5, 28.39N, 0.05, 51.62E, 0.05, h24km, n104, e134/112, mb4.3/32, MS3.3/4, Southern Iran

Main table of station data for the 2013 APR period, including stations like Kazeroun, Shiraz, Jahrom, etc.

572

Table of station data for 572, including stations like KRSH, SOHO, Parvadeh/Tabas, etc.

ADC 109:41:16.3, 1.0, 28.42N, 51.65E, h0km, mb3.9/10, mb1 3.9/12, mb1mx3.7/45, mbtmp3.9/12, ML3.8/2, MS3.5/1, Ms1 3.5/1, ms1mx2.6/44, Error ellipse: s-maj=25.9km s-min=19.4km az=150.0

THR 109:41:17.1, 28.41N, 51.64E, h6km, ML3.5, ISCJB 109:41:18.1, 0.5, 28.44N, 0.04, 51.63E, 0.06, h24km, mb3.8/10, MS3.4/1, Error ellipse: s-maj=8.2km s-min=3.8km az=150.5

TEH 109:41:18.7, 28.60N, 51.71E, h10km, ML3.8, DSN 109:41:22.2, 2.1, 28.59N, 52.15E, h10km, ML3.6/7, Error ellipse: s-maj=49.0km s-min=12.4km az=27.0

ISC 10 09:41:19.0-0.7, 28.45N, 0.07-51.66E, 0.07, h24km, n54, c171/54, mb3.8/10, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like GHIR, IKAZ, SHI, JHRM, IPAR, etc.

ISK 10 09:45:20.2, 37.54N, 35.62E, h14km, 1km, ML1.8/3
ISCJB 10 09:45:21.5, 0.6, 37.49N, 0.05-35.64E, 0.04, h11km, 5km, Error ellipse: s-maj=7.8km s-min=5.7km az=167.5

DDA 10 09:45:21.1, 37.50N, 35.64E, h7km, 2km, ML2.5
ISC 10 09:45:21.1, 0.3, 37.48N, 0.04-35.64E, 0.03, h14km, 8km, n8, o6/63/14, Turkey

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

TEH 10 10:05:30.3, 28.36N, 51.66E, h14km, ML3.4
OMAN 10 10:05:34.6, 0.9, 27.89N, 51.66E, h13km, mb3.4/4, Error ellipse: s-maj=16.7km s-min=10.5km az=285.0

ISC 10 10:05:30.5, 0.8, 28.29N, 0.05-51.64E, 0.08, h24km, n33, c1504/45, mb4.0/5, 1, Southern Iran

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

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

IDC 10 10:05:52.4, 1.9, 2.02N, 99.27E, h117km, 10km, mb3.1/3, mb1 3.3/3, mb1mx3.0/4.5, mbmtmp3.4/3, Error ellipse: s-maj=113.6km s-min=22.4km az=55.0, Northern

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

KRSC 10 10:08:32.8, 10.0, 54.95N, 165.68E, h28km, 10km, ML4.0, Komandorski Islands region

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

MEX 10 10:13:28.6, 0.5, 17.02N, 99.82W, h33km, 8km, MD3.8, Guerrero

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

IGQ 10 10:21:04.3, 0.3, 2.2S, 87.0W, h10km, MLV3.7, Near coast of Ecuador

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

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

JMA 10 10:21:25.6, 0.1, 30.47N, 139.63E, h484km, M3.7
ISCJB 10 10:21:27.6, 0.7, 30.46N, 0.05-139.69E, 0.2, h450km, mb2.9/2, Error ellipse: s-maj=19.8km s-min=6.4km az=174.2

IDC 10 10:21:28.1, 3.3, 29.82N, 138.46E, h355km, 100km, mb2.8/2, mb1 3.0/5, mb1mx2.6/3.9, mbmtmp3.7/5, Error ellipse: s-maj=140.2km s-min=34.4km az=46.0

ISC 10 10:21:27.8, 1.0, 30.46N, 0.08-139.79E, 0.2, h450km, n13, c171/15, Southeast of Honshu

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

IDC 10 10:35:16.3, 2.1, 2.11N, 127.83E, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.4/4.6, mbmtmp3.6/3, MS3.4/1, Ms1 3.4/1, ms1mx2.5/3.7, Error ellipse: s-maj=130.4km s-min=27.0km az=67.0, Northern Molucca Sea

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

ISCJB 10 10:35:28.8, 0.8, 38.52N, 140.141, 78E, 0.1, h59km, 5km, mb3.7/3, Error ellipse: s-maj=12.9km s-min=5.6km az=16.2

IDC 10 10:35:28.8, 1.6, 38.56N, 141.93E, h49km, 7km, mb3.4/3, mb1 3.5/6, mb1mx3.2/5.0, mbmtmp3.5/6, Error ellipse: s-maj=41.3km s-min=20.4km az=76.0

JMA 10 10:35:30.2, 38.54N, 141.71E, h54km, 1km, M3.5
JMA Fellt UJ
ISC 10 10:35:29.3, 1.1, 38.51N, 0.05-141.32E, 0.09, h50km, 6km, n25, o6/90/32, mb3.7/3, Near east coast of eastern Honshu

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

IDC 10 10:54:50.7, 1.0, 28.40N, 51.65E, h0km, mb4.1/1.2, mb1 4.2/1.3, mb1mx3.9/5.3, mbmtmp4.1/1.3, ML4.4/1, MS3.3/4, Ms1 3.3/4, ms1mx2.9/3.7, Error ellipse: s-maj=24.4km s-min=19.9km az=39.0

THR 10 10:54:52.8, 28.42N, 51.60E, h21km, ML3.9

ISCJB 10 11:54:52.70.4, 28.37N, 01:03:51.60E, 0.05, h24km, mb4.0/13, MS3.8/1, Error ellipse: s-maj=6.9km s-min=2.7km az=152.2

TEH 10 10:54:54.8, 28.47N, 01:16:2E, h14km, ML3.8

DSN 10 10:54:57.4, 1.0, 28.38N, 51.96E, h10km, ML4.1/9, Error ellipse: s-maj=13.0km s-min=4.9km az=0.0

OMAN 10 10:54:58.0, 0.3, 28.27N, 51.85E, h16km, m14/27, Error ellipse: s-maj=10.7km s-min=4.3km az=226.0

ISC 10 10:54:54.0, 7.2841N, 0.05:51.64E, 0.06, h24km, n76, r=132/87, mb4.0/13, 2C, Southern Iran

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Kazeroun, Shiraz, Jahrom, Pars, Kerman, etc.

THR 10 11:11:45.7, 28.55N, 51.77E, h22km, ML3.3

ISCJB 10 11:11:47.6, 0.9, 28.47N, 0:03:51.87E, 0.09, h15km, Error ellipse: s-maj=11.9km s-min=3.7km az=164.8

TEH 10 11:11:49.4, 28.58N, 51.58E, h5km, ML3.2

DSN 10 11:11:50.0, 1.4, 28.62N, 52.11E, h10km, ML3.2/6, Error ellipse: s-maj=29.6km s-min=7.3km az=19.0

OMAN 10 11:11:51.5, 1.0, 28.49N, 51.98E, h23km, m13/34, Error ellipse: s-maj=41.3km s-min=16.3km az=237.0

ISC 10 11:11:48.9, 1.4, 28.52N, 0.05:51.81E, 0.09, h15km, n22, r=132/29, 1C, Southern Iran

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Kazeroun, Shiraz, Sarvestan, Jahrom, Pars, Kerman, etc.

TEH 10 11:14:51.2, 28.52N, 51.50E, h16km, ML3.2, Southern Iran

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Kazeroun, Shiraz, Sarvestan, Jahrom, Pars, Kerman, etc.

ATH 10 11:14:51.1, 39.69N, 22.75E, h19km, 3km, ML2.0/9, Error ellipse: s-maj=3.8km s-min=0.8km az=138.0

THE 10 11:14:51.3, 39.69N, 22.73E, h2km, 26km, ML1.9/11, Error ellipse: s-maj=26.2km s-min=0.4km az=166.0, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like Fytoko, Volos, Litokhoron, etc.

AGG AGG comp=E,312um,0.3s

AGG AGG comp=N,333um,0.4s

AGG AGG comp=E,312um,0.3s

AGG AGG comp=N,333um,0.4s

AGG AGG comp=E,196um,0.5s

AGG AGG comp=N,153um,0.3s

AGG AGG comp=E,196um,0.5s

AGG AGG comp=N,153um,0.3s

AGG AGG comp=N,153um,0.3s

AGG AGG comp=N,234um,0.3s

AGG AGG comp=N,234um,0.3s

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AGG AGG comp=N,234um,0.3s

AGG AGG comp=N,234um,0.3s

AGG AGG comp=N,234um,0.3s

Table with columns: IPAR, Pars, 1.83 40 ePn, Pb, 11 20 53.5 -0.4, 11 21 19.6, ...

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

DDA 10 11:24:17.3, 40.87N, 31.29E, h7km, 2km, ML2.1, Turkey

ISCJB 10 11:37:54.6, 0.9, 28.05N, 0.07, 51.6E, 0.1, h16km, mb3.6/5, MS3.1/2, Error ellipse: s-maj=15.4km s-min=7.3km az=144.5

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

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

DDA 10 11:53:26.4, 36.98N, 31.34E, h7km, 4km, ML2.8

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

Table with columns: GAZI, Gazipasa, 1.08 133 i P, Sg, Sn, 11 54 03.4 -0.2, ...

DDA 10 12:13:48.0, 39.50N, 28.08E, h7km, 4km, ML2.7

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

IDC 10 12:16:29.8, 0.9, 28.08N, 51.76E, h0km, mb3.9/16, mb1.4/0.19, mb1mx3.9/48, mbtmp3.9/19, ML3.5/4, MS3.5/6, Ms1.3.5/6, ms1mx3.1/39, Error ellipse: s-maj=20.9km s-min=1.0km az=174.0

ISCJB 10 12:16:32.0, 0.4, 28.10N, 0.03, 51.75E, 0.04, h26km, ms3.9/16, MS3.7/6, Error ellipse: s-maj=6.0km s-min=2.8km az=148.6

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

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

ISC 10 12:16:32.6, 28.14N, 51.78E, h26km, ML3.8

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

Table with columns: ASHO, Ashiyah, 5.16 131 ePn, S, Sn, 12 18 48.5 +0.1, ...

Table with columns: ASHO, Ashiyah, 5.16 131 ePn, S, Sn, 12 18 48.5 +0.1, ...

GII 10 12:40:15.8, 0.0, 28.45N, 51.72E, h10km

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

MOS 10 12:40:16.0, 0.0, 28.45N, 51.58E, h15km, mb4.7/42, Error ellipse: s-maj=6.2km s-min=3.5km az=107.9

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

IDC 10 12:40:19.6, 2.1, 28.30N, 51.59E, h27km, 13km, mb4.4/36, mb1.4/5.43, mb1mx4.4/56, mbtmp4.6/43, ML4.4/8, MS3.6/20, Ms1.3.6/20, ms1mx3.5/39, Error ellipse: s-maj=11.8km s-min=9.9km az=178.0

OMAN 10 12:40:22.1, 0.7, 28.37N, 51.60E, h26km, ml4.8/9, Error ellipse: s-maj=33.5km s-min=12.5km az=225.0

ISCN 10 12:40:54.6, 0.8, 30.44N, 52.65E, h0km, 70km, ML4.9

ISC 10 12:40:20.1, 1.28, 33N, 0.04, 51.60E, 0.04, h27km, 7km, n496, r125/515, mb4.7/143, MS3.7/18, 24C-9D, Southern Iran

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



comp-Z,10.0nm,1.1s					
VAT Valandovo	26.99 306	iP	P	12 46 00.0 +0.5	
VYS Vitosha	26.99 309	eP	P	12 45 59.3 -0.5	
VTS Vitosha	26.99 309	iP	P	12 46 00.7 +0.9	
VTS Vitosha	26.99 309	eP	P	12 45 59.3 -0.5	
VOIR VOIR	27.07 316	iP	P	12 46 01.8 +1.5	
DOPR Dopca	27.14 318	iP	P	12 46 01.8 +0.9	
BIZ Bicaz	27.25 320	iP	P	12 46 02.9 +1.1	
STIP Stip	27.39 307	iP	P	12 46 02.4 -0.8	
KFL Anninata	27.46 299	P	P	12 46 04.5 +0.7	
Florina Florina	27.68 305	eP	P	12 46 06.2 +0.4	
FNA Florina	27.68 305	eP	P	12 46 06.2 +0.4	
FNA Florina			pmax		
comp-Z,12nm,0.7s					
LKD2 Lefkada Island	27.70 300	P	P	12 46 05.9 -0.1	
KRUS Krusevo	27.95 306	iP	P	12 46 09.4 +1.1	
AKASG Malin Array Be	28.03 329	P	P	12 46 08.2 -0.6	
comp-Z,2.5nm,0.3s,baz=134,slow=8.5,SNR=12					
AKBB Malin Array S	28.03 329	eP	P	12 46 07.8 -0.9	
AKBB Malin Array Si	28.03 329	eP	P	12 46 07.8 -0.9	
AKBB			pmax		
comp-Z,11nm,0.6s					
KIEV Kiev	28.03 329	eP	P	12 46 07.8 -1.0	
comp-Z,11nm,0.6s					
KIEV Kiev	28.03 329	iP	P	12 46 08.2 -0.6	
KIEV Kiev	28.03 329	iP	P	12 46 08.0 -0.7	
SNR=7.5					
KIEV Kiev	28.03 329	eP	P	12 46 07.8 -1.0	
KIEV Kiev			pmax		
comp-Z,11nm,0.6s					
AK11 Malin Array Si	28.04 329	eP	P	12 46 07.5 -1.3	
BURAR Bucovina Array	28.12 320	iP	P	12 46 10.4 +0.6	
BUR08 Bucovina Ar. S	28.15 320	eP	P	12 46 10.2 +0.2	
comp-Z,9.3nm,1.0s					
OHR Ohrid	28.19 305	iP	P	12 46 10.6 +0.1	
BRVK Borovoye	28.30 24	P	P	12 46 10.6 -0.6	
BRVK			pmax		
comp-Z,5.0nm,1.0s					
BVAR Borovoye Array	28.32 24	P	P	12 46 11.3 0.0	
comp-Z,4.9nm,0.7s,baz=221,slow=7.9,SNR=14					
BVAR			PcP		
comp-Z,2.3nm,0.7s,baz=204,slow=1.1,SNR=5.1					
BVAR			LR		
comp-Z,8.8nm,20.4s,baz=217,slow=39					
ARU Arti	28.52 8	eP	P	12 46 12.4 -0.6	
comp-Z,12nm,1.4s					
ARU Arti	28.52 8c	iP	P	12 46 14.7 +1.7	
ARU			S	12 47 04.4	
ARU			SS	12 51 05.7 +6.6	
ARU			SnSn	12 52 24.4 +5.3	
ARU			pmax		
comp-Z,9.0nm,1.5s					
MDVR Moldova	28.89 313	iP	P	12 46 17.4 +1.0	
OBN Obninsk	28.89 342	P	P	12 46 15.1 -1.2	
comp-Z,8.6nm,0.4s,baz=146,slow=7.3,SNR=3.4					
TIR Tirane	28.94 305	eP	P	12 46 16.8 -0.1	
comp-Z,3.8nm,1.1s					
TIR Tirane	28.94 305	eP	P	12 46 16.8 -0.1	
TIR			pmax		
comp-Z,3.8nm,1.1s					
SVE Sverdlovsk	29.20 10	eP	P	12 46 20.4 +1.4	
MAKZ Makanchi	30.06 44	eP	P	12 46 27.0 +0.1	
comp-Z,7.1nm,1.0s					
MAKZ Makanchi	30.06 44	P	P	12 46 27.6 +0.7	
MAKZ			pmax		
comp-Z,6.0nm,0.9s					
KURBB Kurchatov Arra	30.17 35	P	P	12 46 27.9 +0.2	
KURBB			PcP		
comp-Z,3.5nm,0.8s,baz=235,slow=8.8,SNR=18					
KURBB			LR		
comp-Z,0.6nm,0.6s,baz=246,slow=2.4,SNR=4.1					
KURBB			ScP		
comp-Z,1.2nm,0.8s,baz=233,slow=3.9,SNR=9.3					
MK01 Makanchi Array	30.24 44	eP	P	12 46 28.3 -0.2	
MK31 Makanchi Array	30.25 44	eP	P	12 46 28.3 -0.2	
comp-Z,3.4nm,0.9s					
MK31 Makanchi Array	30.25 44	eP	P	12 46 28.4 -0.1	
MK31			pmax		
comp-Z,3.0nm,0.9s					
MKAR Makanchi Array	30.25 44	P	P	12 46 28.6 0.0	
comp-Z,2.7nm,0.7s,baz=225,slow=6.7,SNR=16					
MKAR			PcP		
comp-Z,0.4nm,0.6s,baz=246,slow=2.6,SNR=5.5					
MKAR			ScP		
comp-Z,0.8nm,0.8s,baz=225,slow=1.5,SNR=5.1					
MKAR			LR		
comp-Z,1.93nm,18.6s,baz=241,slow=40					
MKUR Kurchatov	30.27 35	eP	P	13 00 45.6	
comp-Z,5.5nm,0.9s					
KURK Kurchatov	30.27 35	eP	P	12 46 28.8 +0.2	
KURK			pmax		
comp-Z,8.0nm,1.3s					
KIRV Kirov	30.28 358	P	P	12 46 28.4 -0.2	
comp-Z,1.6nm,0.6s,baz=141,slow=5.8,SNR=4.5					
KWP Kalwarja	30.63 322	eP	P	12 46 32.2 +0.4	
comp-Z,2.9nm,0.6s					
KWP Kalwarja	30.63 322	eP	P	12 46 32.2 +0.4	
KWP			pmax		
comp-Z,2.2nm,0.6s					
TIP Timpane	30.75 300	eP	P	12 46 33.2 +0.1	
comp-Z,1.6nm,1.0s					
TIP Timpane	30.75 300	iP	P	12 46 34.3 +1.1	
CEL Celeste	30.78 298	eP	P	12 46 36.9 -0.9	
comp-Z,1.5nm,0.9s					
PSZ Piszkesteto	31.37 317	eP	P	12 46 37.9 -0.6	
comp-Z,4.1nm,0.7s					
PSZ Piszkesteto	31.37 317	eP	P	12 46 37.9 -0.6	
PSZ			pmax		
comp-Z,4.0nm,0.7s					
BLY Banja Luka	31.85 310	eP	P	12 46 42.8 +0.1	
comp-Z,8.1nm,0.9s					
WDD Wied Dalam	32.15 293	eP	P	12 46 46.2 +0.8	
comp-Z,3.2nm,0.6s					
LANS Liptovska Anna	32.20 319	eP	P	12 46 46.6 +0.9	
LANS Liptovska Anna	32.20 319	eP	P	12 46 46.6 +0.9	
VYHS Vyhne	32.27 318	eP	P	12 46 46.2 -0.1	
VYHS			pmax		
comp-Z,5.0nm,1.6s					
VYHS Vyhne	32.27 318	eP	P	12 46 46.2 -0.1	
OJC Ojcow	32.54 321	eP	P	12 46 47.8 -0.8	
comp-Z,2.9nm,0.7s					
OJC Ojcow	32.54 321	eP	P	12 46 47.8 -0.8	
OJC			pmax		
comp-Z,2.9nm,0.7s					
WMQ Urumqi	32.72 52	eP	P	12 46 51.9 +1.5	
WMQ			pP		
WMQ			pP		
WMQ			sP		
comp-Z,2.3nm,0.7s					
WMQ			pmax		
comp-Z,2.3nm,0.6s					
WMQ			pmax		
comp-Z,5.10nm,20.5s					
WMQ			LR		
comp-Z,3.90nm,17.1s					
SUW Suwalki	33.00 329	eP	P	12 46 51.9 -0.7	
comp-Z,2.8nm,1.1s					
SUW Suwalki	33.00 329	eP	P	12 46 51.9 -0.7	
SUW			pmax		
comp-Z,2.8nm,1.1s					
JAVC Velka Javorina	33.12 318	eP	P	12 46 54.6 +0.8	
MODS Modra-Piesok	33.15 317	eP	P	12 46 53.0 -1.0	
MODS Modra-Piesok	33.15 317	eP	P	12 46 53.0 -1.0	
OKC Ostrava-Krasne	33.28 319	eP	P	12 46 54.8 -0.3	
OKC Ostrava-Krasne	33.28 319	eP	P	12 46 54.8 -0.3	
OKS Ojcow	33.29 311	iP	P	12 46 56.7 +0.6	
BOJS Bojanci	33.39 311	iP	P	12 46 57.7 +0.6	
KLMR Klimovskoe	33.53 349	eP	P	12 49 37.8 +0.6	
KLMR Klimovskoe	33.53 349	eP	P	12 46 53.8 -3.3	
KLMR Klimovskoe	33.53 349	eP	P	12 52 14.7 -2.5	
KLMR Klimovskoe			pmax		
comp-Z,2.1nm,0.5s					
KLMR Klimovskoe	33.53 349	eP	P	12 46 53.8 -3.3	
KLMR			AMP		
comp-Z,2.1nm,0.5s					
KLMR Klimovskoe			eS		
KLMR			S		
comp-Z,2.1nm,0.5s					
KLMR Klimovskoe			eS		
KLMR			S		
PRGR Permogore	33.54 355	eP	P	12 46 55.0 -2.2	
PRGR			pmax		
comp-Z,10.0nm,0.8s					
MORC Moravsky Berou	33.60 319	eP	P	12 46 56.6 -1.4	
MORC Moravsky Berou	33.60 319	iP	P	12 46 57.7 -0.3	
MORC Moravsky Berou	33.60 319	eP	P	12 46 56.6 -1.4	
MORC			pmax		

comp-Z,7.0nm,0.7s					
MORC Moravsky Berou	33.60 319	eP	P	12 46 57.7 -0.3	
VISS Visnje	33.76 311	iP	P	12 47 00.1 +0.8	
VISS		iP	PcP		
CONA Conrad Observa	33.84 315	iP	P	12 49 38.8 +0.4	
comp-Z,8.6nm,1.1s					
SOKA Soboth	33.92 313	iP	P	12 47 01.3 +0.5	
comp-Z,1.7nm,0.6s					
VRAC Vranov	33.95 318	eP	P	12 47 00.8 -0.2	
KRUC Kralkovsky	33.97 317	eP	P	12 47 00.8 -0.3	
KRLC Kralicky	34.18 319	eP	P	12 47 02.5 -0.5	
KRLC Kralicky	34.18 319	eP	P	12 47 02.5 -0.5	
OBKA Obir	34.18 312	iP	P	12 47 05.1 +2.0	
comp-Z,7.9nm,1.1s					
JAYS Javornik	34.30 311	iP	P	12 47 04.1 -0.1	
JAYS		eP	PcP		
PALK Pallekele	34.56 122	P	P	12 49 40.8 +8.0	
comp-Z,1.0nm,0.9s,baz=297,slow=7.3,SNR=4.4					
DPC Dobruska-Polom	34.56 319	eP	P	12 47 05.9 -0.4	
DPC Dobruska-Polom	34.56 319	eP	P	12 47 05.9 -0.4	
DGZ Jazzator, Alta	34.60 42	iP	P	12 47 06.3 -0.5	
DGZ			pmax		
comp-Z,2.0nm,1.1s					
MYKA Terra Mystica	34.81 312	iP	P	12 47 08.8 +0.3	
comp-Z,11nm,1.4s					
UPC Upice	34.81 319	eP	P	12 47 08.6 +0.2	
UPC Upice	34.81 319	eP	P	12 47 08.6 +0.2	
MOA Mollin	34.81 314	iP	P	12 47 08.3 -0.2	
comp-Z,7.2nm,0.6s					
MBAR Mbarara	35.04 218	P	P	12 47 09.9 -1.0	
comp-Z,4nm,0.3s,baz=32,slow=11,SNR=6.4					
KBA Koelnbreinspre	35.14 313	iP	P	12 47 12.1 +0.6	
comp-Z,7.8nm,0.6s,SNR=6.0					
ZAAO Zalesovo Array	35.24 34	eP	P	12 47 11.9 -0.1	
ZALV Zalesovo Beam	35.24 34	P	P	12 47 11.4 -0.6	
comp-Z,5.4nm,0.5s,baz=245,slow=8.7,SNR=14					
ZALV			PcP		
comp-Z,1.2nm,0.5s,baz=221,slow=4.4,SNR=2.7					
ZALV			ScP		
comp-Z,1.3nm,0.8s,baz=260,slow=4.4,SNR=3.5					
ZALV			LR		
comp-Z,9.9nm,18.1s,baz=250,slow=40					
ZALV Zalesovo Beam	35.24 34	eP	P	12 47 12.0 0.0	
ZALV Zalesovo Beam	35.24 34	eP	P	12 47 12.0 0.0	
GEAO GERESS Array S	35.25 316	eP	P	12 47 13.7 -0.9	
GEAO			eP		
GERES GERESS Array B	35.52 316	eP	P	12 49 43.5 0.0	
comp-Z,1.6nm,0.6s,baz=99,slow=8.2,SNR=7.0					
GERES			PcP		
comp-Z,2.2nm,0.5s,baz=144,slow=3.7,SNR=9.9					
GERES			LR		
comp-Z,1.93nm,18.7s,baz=134,slow=40					
ABTA Abfattersbach	35.59 312	iP	P	12 47 15.6 +0.4	
comp-Z,1.0nm,1.0s					
KHC Kasperske Hory	35.70 316	eP	P	12 47 16.1 0.0	
KHC Kasperske Hory	35.70 316	eP	P	12 47 16.1 0.0	
BRG Berggiesshobel	36.16 319	iP	P	12 47 19.4 -0.5	
BRG Berggiesshobel	36.16 319	iP	P	12 47 19.4 -0.5	
BRG			pmax		
comp-Z,7.0nm,0.7s					
WTTA Wattenberg	36.31 312	iP	P	12 47 21.4 -0.2	
comp-Z,1.5nm,0.7s					
KEST Kesra	36.36 293	P	P	12 47 22.5 +0.6	
comp-Z,9.8nm,0.7s,baz=328,slow=2.5,SNR=12					
KEST			PcP		
comp-Z,1.6nm,0.4s,baz=136,slow=2.2,SNR=4.4					
KEST			PcP		
comp-Z,1.4nm,0.9s					



10d 13h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include SKYB Yellowknife Ar, WRA Warramunga Arr, FFC Filin Flon, ASAR Alice Springs, PLCA Paso Flores.

ANF 10 12:43:09.1±0.3, 33.18N:115.62W, ML2.6/18, Error ellipse: s-maj=2.6km s-min=1.6km az=137.0

SCEDC 10 12:43:09.2, 33.18N:115.62W, Southern California

Main table for station SWSC Sam W. Stewart, BC3 Big Chuckawall, IKP In-Ko-Pah, GLA Glamis, MONP2 Monument Peak, PFO Pinyon Flats, BELC Belle Mt. Jns, IRM Iron Mountain, Y12C Blythe, 109C Camp Elliot, MURC Murrieta, GMRG Granite Mounta, PDMCI Parker Dam, LAK, HEC Hector, BFSC Mount Baldy Ra, TUQ Turquoise Mountain, GSC Goldstone, EDW2 Edwards Air Fo.

ISCJB 10 12:43:32.0±0.5, 33.15N:115.65W:0.03, h6km, 5km, Error ellipse: s-maj=6.0km s-min=3.5km az=163.5

PAS 10 12:43:33.6, 33.18N:115.62W, ML2.8

SCEDC 10 12:43:33.3, 33.18N:115.62W

ANF 10 12:43:33.0±0.2, 33.17N:115.65W, h16km, 2km, ML2.7/9, Error ellipse: s-maj=2.1km s-min=1.3km az=156.0

NEIC 10 12:43:33.6±0.0, 33.18N:115.62W, h0km, ML2.8(PAS), After PAS.

ISC 10 12:43:33.7±1.1, 33.16N:115.64W:0.02, h12km±11km, n18, c0664/27, Southern California

Main table for station SWSC Sam W. Stewart, BC3 Big Chuckawall, IKP In-Ko-Pah, GLA Glamis, MONP2 Monument Peak, PFO Pinyon Flats, BAR Barrett, IRM Iron Mountain, Y12C Blythe, 109C Camp Elliot, MURC Murrieta, 113A Mohawk Valley, LDFC Landfair, MWC Mount Wilson, Y14A Wickenburg.

THE 10 12:44:23.4, 39.71N:22.75E, h2km, 22km, ML1.7/3, Error ellipse: s-maj=22.5km s-min=0.5km az=308.0

ATH 10 12:44:23.3, 39.68N:22.73E, h19km, 5km, ML1.8/2, Error ellipse: s-maj=5.4km s-min=1.0km az=151.0, Greece

Main table for station FYTO Fytoko, Volos, LIT Litokhoron, XOR Xorichti, AGG Agios Georgios.

2013 APR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include SKIA Skiathos, PAIG Paliouri, PAIG Paliouri, PLG Polygyros, HRT Hortiatis, AOS Alonnissos.

MOS 10 13:00:46.8±1.9, 49.74N:157.23E, h52km, mb4.2/1, Error ellipse: s-maj=38.2km s-min=5.9km az=82.8

KRSC 10 13:00:46.8±2.0, 49.74N:157.23E, h52km, 10km, ML4.2

SKHL 10 13:00:47.5±0.6, 49.68N:157.26E, h35km, mb4.4/3

ISC 10 13:00:46.1±3.3, 49.71N:157.10E:0.07, h9km, 13km, n39, c097/62, East of Kuril Islands

Main table for station SKR Severo-Kuril's, SKR Severo-Kuril's, SKR 273nm, 0.4s, SKR 2jnm, 0.4s, SKR 949nm, 0.4s, ALID Alaid, PAU Pauzhetka, KDR Khodutka, Kamc, ASAK Asacha, ASAK Asacha, MTRV Mutnovka, RUS Russkaya, RUS Russkaya, KRM Karymshinskij, KRM Karymshinskij, APC Apacha, APC Apacha, PET Petropavlovsk, PET Petropavlovsk, DAL Dalky, DAL Dalky, UGL Uglovaya, UGL Uglovaya, AVH Avacha, AVH Avacha, SMAR Somma, SMAR Somma, KRER Koryakskii, KRER Koryakskii, SDL Sedlovina, SDL Sedlovina, SPN Mys Shipunskii, SPN Mys Shipunskii, MKZ Mys Kozlova, MKZ Mys Kozlova, KBTR Krutoberegovo, KBTR Krutoberegovo.

BUI 10 13:04:28.0±17.80S:167.80E, h5km, mb4.9/15, mB5.3/5, Ms4.9/2, Ms7.4/6/1

IDC 10 13:04:28.7±0.8, 17.63S:167.77E, h0km, mb4.2/12, mb1.4/4/14, mb1mx4.2/35, mbtmp4.3/14, ML4.4/2, MS3.8/12, Ms1.3/8/12, ms1mx3.6/27, Error ellipse: s-maj=23.6km s-min=18.2km az=118.0

NEIC 10 13:04:29.8±0.4, 17.75S:167.81E, h10km, mb4.6/12, Error ellipse: s-maj=10.5km s-min=6.9km az=89.0

ISCJB 10 13:04:32.0±0.4, 17.82S:167.66E:0.08, h32km, mb4.5/25, MS3.9/14, Error ellipse: s-maj=11.2km s-min=6.2km az=178.1

ISC 10 13:04:33.5±0.5, 17.80S:167.7E:0.1, h32km, m61, c142/56, mb4.5/24, MS3.9/14, 1C, Vanuatu Islands

Main table for station MARNC Mare, Loyalty, DZM Mont Dzumac, DZM 280nm, 1.2s, DZM 4.9nm, 0.3s, DZM 4.8nm, 0.3s, DZM 3.5m, 0.2s, DZM 3.5m, 0.2s, ONTNC Ouen Toro, PINNC Pines Island, HNR Honiara, HNR Honiara, OUZ Omahuta, ARMA Arma, CTA Charters Tower, PMG Port Moresby, URZ Urewera.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include URZ Urewera, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, JAY Jayapura, RAR Rarotonga, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASO1 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, BBOO Buckleboob, FITZ Fitzroy Crossi, TBI Tubuai, PPT2 Papeete2, TAOE Nuku Hiva Isla, SBA Scott Base, MJAR Matushiro Arr, NJ2 Nanjing, PETK Petropavlovsk, GSPA Gaspard Pole Qui, CN2 Changchun, XAN Xian, XAN Xian, XAN Xian, KMI Kunming, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, HHC Hu-ho-hao, HHC Hu-ho-hao, HHC Chengdu, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, ULN Ulaanabatar, SONM Songino Array, BILL Biibino, SYO Syowa Base, NVAR Mina Array Base, NVAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, LPIG Lajiz, SNA Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, WMQ Urumqi, WMQ Urumqi, TXAR Lajitas Array, MKAR Matuchei Array, ARCES ARCESS Array B, BERG Bergshubel, BFO Black Forest, TORD Torodi Arr, TORD Torodi Arr, IDC 10 13:21:41.0±3.6, 16.47S:175.18W, h0km, mb4.1/3, mb1.4/3/3, mb1mx3.7/25, mbtmp4.1/3, Error ellipse: s-maj=162.8km s-min=75.5km az=154.0, Tonga Islands

ISC 10 13:21:41.0±3.6, 16.47S:175.18W, h0km, mb4.1/3, mb1.4/3/3, mb1mx3.7/25, mbtmp4.1/3, Error ellipse: s-maj=162.8km s-min=75.5km az=154.0, Tonga Islands

ISC 10 13:21:41.0±3.6, 16.47S:175.18W, h0km, mb4.1/3, mb1.4/3/3, mb1mx3.7/25, mbtmp4.1/3, Error ellipse: s-maj=162.8km s-min=75.5km az=154.0, Tonga Islands

ISC 10 13:21:41.0±3.6, 16.47S:175.18W, h0km, mb4.1/3, mb1.4/3/3, mb1mx3.7/25, mbtmp4.1/3, Error ellipse: s-maj=162.8km s-min=75.5km az=154.0, Tonga Islands

ISC 10 13:21:41.0±3.6, 16.47S:175.18W, h0km, mb4.1/3, mb1.4/3/3, mb1mx3.7/25, mbtmp4.1/3, Error ellipse: s-maj=162.8km s-min=75.5km az=154.0, Tonga Islands

Main table for station STKA Stephens Creek, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASO1 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, BBOO Buckleboob, FITZ Fitzroy Crossi, TBI Tubuai, PPT2 Papeete2, TAOE Nuku Hiva Isla, SBA Scott Base, MJAR Matushiro Arr, NJ2 Nanjing, PETK Petropavlovsk, GSPA Gaspard Pole Qui, CN2 Changchun, XAN Xian, XAN Xian, XAN Xian, KMI Kunming, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, HHC Hu-ho-hao, HHC Hu-ho-hao, HHC Chengdu, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, ULN Ulaanabatar, SONM Songino Array, BILL Biibino, SYO Syowa Base, NVAR Mina Array Base, NVAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, LPIG Lajiz, SNA Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, WMQ Urumqi, WMQ Urumqi, TXAR Lajitas Array, MKAR Matuchei Array, ARCES ARCESS Array B, BERG Bergshubel, BFO Black Forest, TORD Torodi Arr, TORD Torodi Arr, IDC 10 13:40:11.8±1.6, 10.07N:84.16W, h0km, mb3.5/6, mb1.3/8/6, mb1mx3.7/28, mbtmp3.5/6, MS3.5/4, Ms1.3/5/4, ms1mx3.1/21, Error ellipse: s-maj=48.1km s-min=11.3km az=10.0

ISC 10 13:40:11.8±1.6, 10.07N:84.16W, h0km, mb3.5/6, mb1.3/8/6, mb1mx3.7/28, mbtmp3.5/6, MS3.5/4, Ms1.3/5/4, ms1mx3.1/21, Error ellipse: s-maj=48.1km s-min=11.3km az=10.0

ISC 10 13:40:11.8±1.6, 10.07N:84.16W, h0km, mb3.5/6, mb1.3/8/6, mb1mx3.7/28, mbtmp3.5/6, MS3.5/4, Ms1.3/5/4, ms1mx3.1/21, Error ellipse: s-maj=48.1km s-min=11.3km az=10.0

ISC 10 13:40:11.8±1.6, 10.07N:84.16W, h0km, mb3.5/6, mb1.3/8/6, mb1mx3.7/28, mbtmp3.5/6, MS3.5/4, Ms1.3/5/4, ms1mx3.1/21, Error ellipse: s-maj=48.1km s-min=11.3km az=10.0

ISC 10 13:40:11.8±1.6, 10.07N:84.16W, h0km, mb3.5/6, mb1.3/8/6, mb1mx3.7/28, mbtmp3.5/6, MS3.5/4, Ms1.3/5/4, ms1mx3.1/21, Error ellipse: s-maj=48.1km s-min=11.3km az=10.0

Main table for station JTS JuntasAbangare, JTS JuntasAbangare, CASO Castillo, LCR2 La Lucha 2, HRC Heredia, ARE1 Arenal 1, FORC Fortuna, CEDE Laguna Cededo, EDDO Dominical, AMAS Alto Masais, ACAL Aguas Claras.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like CUI Cuipilapa, PTEN Parque Tenorio, HORNC Hornillos, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like SSV Crater Summit, SSV Soufriere Volc, SSV Belmont, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like TYV comp=E,10.0nm,0.9s, TYV Tymovskoe, GRNR Gornyy, etc.

IDC 10 13:43:08.7±18.0, 17.36S; 179.43W, h611km, 183km, mb2.8/3, mbl 3.0/3, mb1mx2.6/3.4, mbtmp3.8/3, Error ellipse: s-maj=149.8km s-min=86.4km az=109.0, Fiji Islands region

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

DJA 10 13:58:28.6±0.3, 15.33°S; 12.0E, h1010km, M3.8/9, MLV3.8/9, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like APSI Ampana, MPMI Mapaga, LUWI Luwuk, etc.

MEX 10 14:20:46.2±0.5, 14.83N-93.79W, h16km, 460km, MD3.9, Near coast of Chiapas

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

ISCJB 10 14:28:28.7±0.3, 15.98N; 0103.6193W, 0.06, h188km, 2km, mb3.8/8, Error ellipse: s-maj=10.7km s-min=3.5km az=159.1

TRN 10 14:28:28.1, 16.07N-61.81W, h191km, MD3.9

IDC 10 14:28:29.8±0.2, 15.95N; 62.02W, h182km, 19km, mb3.5/8, mb1 3.8/11, mb1mx3.4/4.3, mbtmp4.1/11, Error ellipse: s-maj=33.7km s-min=15.2km az=36.0

ISC 10 14:28:29.7±0.7, 15.99N; 0104.6192W, 0.07, h186km, 5km, n58, r1903/85, mb3.7/8, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like TBG Guadaloupe-3, TBDA Terre de Bas, MDPO Domica, etc.

IGQ 10 14:40:33.9±0.9, 3.5°S; 82°W, h1010km, MLV3.7, Near coast of northern Peru

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like SALI Salinas, MORR Playas El Morr, MCRA Macar, Loja, etc.

NIED 10 15:03:00.46; 60N; 141.80E, h11km, Mw3.6 Best double couple: Mo=2.91000e+1014 NP1:0e1, 0.00000, 0.46, 0.00000, 0.72, 0.00000, NP2:0e2, 0.00000, 0.47, 0.00000, 0.7, 0.00000, MOS 10 15:03:34.5±1.5, 46.54N; 141.81E, h10km, mb4.2/1, Error ellipse: s-maj=19.8km s-min=10.2km az=92.5

MOS Felt (I) at Nevel'sk, IDC 10 15:03:34.9±1.0, 46.59N; 141.94E, h0km, mb3.6/8, mb1 3.8/10, mb1mx3.6/3.7, mbtmp3.6/10, ML2.92, MS3.0/2, Ms1 3.0/2, ms1mx2.5/4.7, Error ellipse: s-maj=22.5km s-min=18.0km az=9.0

ISC 10 15:03:35.6±0.6, 46.55N; 0141.80E; 0.05, h13km, 4km, mb3.6/8, MS3.3/1, Error ellipse: s-maj=5.3km s-min=3.8km az=7.6

JMA 10 15:03:35.4±0.2, 46.63N; 141.85E, h22km, M3.6 SKHL 10 15:03:36.1±0.2, 46.48N; 142.04E, h10km, 3km, mb4.5/5, Error ellipse: s-maj=19.8km s-min=10.2km az=92.5

ISC 10 15:03:37.0±1.1, 46.45N; 0141.94E; 0.03, h17km, 8km, n34, r1970/50, mb3.8/8, Sakhalin Island

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like YSS Yuzh-Sakhalins, YSS 376nm, 0.5s, YSS 1µm, 0.5s, etc.

IDC 10 15:12:57.7±0.9, 55.47S; 28.92W, h0km, mb4.0/5, mb1 4.1/6, mb1mx3.8/29, mbtmp4.0/6, ML 4.4/1, Error ellipse: s-maj=37.6km s-min=21.5km az=58.0

ISCJB 10 15:12:58.0±0.6, 55.40S; 0109.29W; 0.1W; 0.2, h10km, mb4.2/6, Error ellipse: s-maj=17.9km s-min=9.7km az=143.2

NEIC 10 15:12:58.2±4.2, 55.52S; 29.04W, h5km, 25km, mb4.4/4, Error ellipse: s-maj=14.4km s-min=8.0km az=47.0

ISC 10 15:12:59.0±0.6, 55.55S; 01129.1W; 0.1, h10km, n37, r1918/32, mb4.1/6, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GSTD, GSMY, GSGI, ATKA, etc.

IDC 10 15:32:45.9-0.9,28.41N-51.69E, h0km, mb3.9/1.4, mb1.4/1.8, mb1mx3.9/4.6, mbtmp4.0/1.8, ML3.3/4, MS3.3/3, Ms1.3/3.3, ms1mx2.8/4.4, Error ellipse: s-maj=19.7km s-min=17.7km az=17.0

THR 10 15:32:47.7, 28.43N-51.67E, h16km, ML3.7 ISCBJ 10 15:32:47.9, 28.41N-51.70E, h14km, mb3.9/1.9, MS3.7/2, Error ellipse: s-maj=5.5km s-min=3.1km az=14.0

NEIC 10 15:32:47.3-0.4, 28.40N-51.68E, h10km, mb4.0/7, ML3.7(THR), MN3.7(TEH), Error ellipse: s-maj=7.4km s-min=5.3km az=189.0

TEH 10 15:32:49.4, 28.45N-51.64E, h14km, ML3.7 OMAN 10 15:32:54.0-2.5, 28.05N-51.41E, h30km, mb6.8/1.1, ml3.8/6, Error ellipse: s-maj=74.9km s-min=14.9km az=34.0

ISC 10 15:32:49.0-0.5, 28.42N-51.68E, h24km, n82, e1916/87, mb4.0/19, 1C, Southern Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GHIR, IKAZ, SHI, KLNJ, IRAM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GYA0B, DMT0, KBL, KBZ, CSS, etc.

KRSC 10 15:44:30.3-10.0, 50.75N-157.68E, h41km, 10km, ML3.5, Kuril Islands

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

IDC 10 15:54:57.5-1.4, 2.18S-139.18E, h0km, mb3.1/3, mb1.3/4.4, mb1mx3.2/2.6, mbtmp3.2/4, ML3.3/1, MS3.6/1, Ms1.2/9.2, ms1mx2.7/3.8, Error ellipse: s-maj=26.4km s-min=32.5km az=65.0, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JAY, BATI, WRA, FITZ, ASAR, etc.

THR 10 16:15:10.2, 28.14N-51.63E, h36km, ML3.3 TEH 10 15:15:12.4, 28.27N-51.72E, h11km, ML3.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GHIR, IKAZ, SHI, JHRM, IRAM, etc.

CHIC 10 16:15:08.3-2.4, 28.15N-51.86E, h0km, mb3.6/6, mb1.3/7.7, mb1mx3.4/2.6, mbtmp3.6/7, ML3.1/1, MS3.3/2, Ms1.3/3.2, ms1mx2.6/5.7, Error ellipse: s-maj=54.8km s-min=27.5km az=152.0

Table with columns: Code, Name, Time, Diff, and other metrics. Rows include ROSC El Rosal, MAPC Malpelo, MAPC Malpelo, NORC Norcasia, AZAP Zapla, SLA San Lorenzo, RUSC La Rusia, RUSC La Rusia, HELC Santa Helena, HELC Santa Helena, SOLC Bahia Solano, SOLC Bahia Solano, PTBC PUERTO BERRIO, PTBC PUERTO BERRIO, GO03 Copiapi, BARC Barichara, BARC Barichara, TAMC Tame, Arauca, TAMC Tame, Arauca, FSA Cafayate, DBBC Dabeiba, DBBC Dabeiba, BRRC Barranca, Sant, BRRC Barranca, Sant, GIRC Giron, Santand, GIRC Giron, Santand, PAYG Puerto Ayora, PTGA Pitinga, PTGA Pitinga, PTGA Pitinga, UREC San Jos de Ur, UREC San Jos de Ur, AHML Horco Molle, LCO Las Campanas, LCO Las Campanas, OCAC Ocana, OCAC Ocana, SMLC San Martn de, SMLC San Martn de, AGUA AGUACOL, CYA Choya, GO04 Tololo Observa, AROD Rodeo, ACLC CERRO LA CRUZ, ACDD Cuesta del Vie, SDV Santo Domingo, SDV Santo Domingo, SDV Santo Domingo, SDV Santo Domingo, BCIP Isla Barro Col, BCIP Isla Barro Col, ACCO Cerro Coronel, SJCC San Jacinto, C, CODC Agustn Codazz, CODC Agustn Codazz, AMOG MIOGNA, APIL PUNTA DE LOS L, AQDB Aquidauana, RTLS Leoncito, CFA Coronel Fontan, RTCV Cerro Valdivia, AUSP Espallata, ROCI El Roble, PEL Peldehue, ACAN Cantantal, TCA Tanti, CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida, JTS JuntasAbangare, JTS JuntasAbangare, MRA San Martn, ESPN Las Esplanzas, TRCB Terra Rica, ITRB Iturama, PTGB Pitanga, GRGR Greenville, BDFB Brasilia, BDFB Brasilia, ITAB Concordia, FRFB Fatura, MDP Montages des, BB19B Bebedouro, SVB Belmont, CPSB Cacapava Do Su, TJU01 Garuru-PR, GO06 Curarahue, PLTB Pedras Altas, MTDJ Mount Denham, CNLB Canela, SPB Sao Paulo, TRQA Torunquist, TRQA Torunquist, CRPR Cabo Rojo, PR, ICMP Isla Caja de M, OBIP Obispado Ponce, MPR Mayaguez, OGAU Aigu, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, SJC San Jos de Ur, TER01 Tubaro-SC, HUMP Col San Antoni, MTP Monte Pirata, CBYP Canovanas, JANB Januaria, CUPR Culebra, Puert, BSCB Bom Sucesso, MC18 Montes Claros, MC19 Montes Claros, MC16 Montes Claros, SMRT St. Maarten

Table with columns: Code, Name, Time, Diff, and other metrics. Rows include ANWB Willy Bob, CCG Comitan, ESAR Angra dos Reis, CAM01 Campos-RJ, NBMO Morrinhos-CE, TLIG Tiapa, NBPA Ranch. RN, RCBR Rachiuelo, 657A Interlachen, 556A Lake Butler, 555A McAlpin, 555A McAlpin, 452A Marianna, LNIG Linares, ZAIG Zacatecas, ZAIG Tifton, 256A Glennville, 255A Hazlehurst, 255A Hazlehurst, 349A Repton, 253A Americus, 252A Lumpkin, 158A Hollywood, 157A Early Branch, 156A Sylvania, 155A Kite, 154A Montrose, 154A Montrose, 250A Grady, 250A Grady, NHSC New Hope, NHSC New Hope, 249A Camden, 258A St. Stephen, BBRS BB Station, 151A Opelika, 152A Waverly Hall, 152A Waverly Hall, Z57A Bowman, 150A Eclectic, Z54A Sparta, 149A Jones, Z54A Monticello, Z52A Williamston, Y60A Bolivia, GOGA Godfrey, GOGA Godfrey, Y57A Sumter, Y55A Saluda, Z50A Ashland, Z50A Ashland, Y54A Tignall, LRAL Lakeview Retre, LRAL Lakeview Retre, Z49A Columbian, HKT Hockley, Y53A Monroe, VBMS Vicksburg, JSC Jenkinsville, Y52A Liburn, Y52A Liburn, X60A Albin Glenn T, HODGE Hodges, 833A Chaparral WMA, 833A Chaparral WMA, X56A White Oak, Y51A Rockmart, X55A Graceyn & Ava, Y50A Piedmont, Y54A Belton, Y49A Blount Mountai, Y49A Blount Mountai, X53A Estanollee, W58A Raeford, PAUL Pauline, X52A Dahlonega, W57A Gilead, W56A Indian Trail, KMSC Kings Mountain, KMSC Kings Mountain, X50B Fort Payne, W54A Cherokee Point, NATX Nacogdoches, NATX Nacogdoches, NATX Nacogdoches, X49A Woodville, W53A Cullowhee, V60A Jim Taylor Roa

Table with columns: Code, Name, Time, Diff, and other metrics. Rows include X48A Hartselle, X48A Hartselle, V59A Middlesex, W51A Cleveland, X47A Russellville, V56A Mocksville, V57A Coltrane Farms, W50A Signal Mountai, W50A Signal Mountai, V55A Taylorsville, V54A Nebo, V53A Saluda, CPCT Cooper Cave, W49A Belvidere, SWET Sewanee, U59A Littleton, W48A Pulaski, OXF Oxford, OXF Oxford, U58A Oxford, V52A Sevierville, PLAL Pickwick Lake, V51A Loudon, V51A Loudon, V50A Pickle, W47A Westpoint, U55A Tall Sparta, WLAR White Oak Lake, V49A McMinnville, U53A Fall Branch, U54A Nelsons Funny, V48A Smith Brothers, V48A Smith Brothers, U52A Thorn Hill, T59A Double "B" Far, T58A Grand View Acr, U51A La Follette, HP1G, T57A Hurt, TZTN Tazewell, TZTN Tazewell, T56A Rocky Mt, U50A Janestown, U55A Pulaski, T54A Tazewell, BLA Blacksburg, BLA Blacksburg, T53A Wise, U49A Red Boiling Sp, UALR University of, WVT Waverly, WVT Waverly, SLBS Sierra La Lagu, T52A, T51A Gray, S58A Poland Farm, P, MIAR Mount Ida, MIAR Mount Ida, TXAR Lajitas Array, TX31 Lajitas Ar. Si, S56A Dark Hollow Bridge, T50A Nancy, S57A Dark Hollow, R, W41B Gary Mavity, V, W41B Gary Mavity, V, S55A Lewisburg, R58B Mineral, WHAR Woolly Hollow, T49A Edmonton, T49A Edmonton, S53A Williamson, T48A Bowling Green, S51A Beattyville, S51A Beattyville, T47A Sharon Grove, T47A Sharon Grove, W39A Magazine, W39A Magazine, S50A Victrola, X37A Clayton, R54A, R54A, ABTX Abilene, Hawle, ABTX Abilene, Hawle, R55A Marlinton

**10d 16h**

746A	Princeton	49.05	347	P	P	16 28 57.4	-1.1
S49A	Springfield	49.24	350	P	P	16 28 58.8	-1.1
S48A	Wiedeman Farm,	49.26	349	P	P	16 29 00.6	+0.6
R53A	Hurricane	49.29	353	P	P	16 28 60.0	-0.3
S47A	Hartford	49.37	348	P	P	16 28 59.9	-0.9
R52A	Cattlettsburg	49.38	352	P	P	16 29 02.4	+1.5
U41A	Viola	49.45	342	P	P	16 29 00.5	-1.0
R51A	Hillsboro	49.47	351	P	P	16 29 01.2	-0.4
R50A	Paris	49.57	351	P	P	16 29 01.9	-0.5
S46A	Don Dixon Farm	49.63	347	P	P	16 29 03.3	+0.4
T43A	Greenville	49.68	344	P	P	16 29 02.2	-1.0
R49A	Shelbyville	49.72	350	P	P	16 29 02.9	-0.6
U40A	Yellville	49.75	341	P	P	16 29 03.2	-0.6
Q55A	Buckhannon	49.76	355	P	P	16 29 04.4	+0.6
Q53A	Leroy	49.76	354	P	P	16 29 03.8	0.0
Q54A	Coxs Mills	49.81	354	P	P	16 29 03.9	-0.3
S45A	Carrier Mills	49.82	346	P	P	16 29 04.2	0.0
WCI	Wyandotte Cave	49.86	349	eP	P	16 29 02.0	-2.6
WCI	Wyandotte Cave	49.86	349	eP	P	16 29 04.0	-0.6
USIN	University of	49.89	347	eP	P	16 29 01.8	-3.0
Q52A	Bidwell	49.95	353	P	P	16 29 07.2	+2.0
R48A	Northridge Ran	49.95	349	P	P	16 29 05.5	+0.3
R47A	Woolly Knot Far	49.97	348	P	P	16 29 04.4	-1.0
S44A	Carbondale	50.00	346	P	P	16 29 04.9	-0.7
SIUC	Southern Illin	50.01	346	eP	P	16 29 03.4	-2.3
HHAR	Hobbs	50.03	340	eP	P	16 29 04.6	-1.3
Q50A	Georgetown	50.06	351	P	P	16 29 05.4	-0.7
S43A	Fulton Ridge,	50.09	345	P	P	16 29 05.2	-1.1
Q51A	Peebles	50.15	352	eP	P	16 29 04.8	-2.0
Q51A	Peebles	50.15	352	P	P	16 29 07.4	+0.6
P55A	Reedsville	50.25	355	P	P	16 29 07.5	0.0
TUL1	Leonard	50.34	338	eP	P	16 29 07.4	-0.8
TUL1	Leonard	50.34	338	P	P	16 29 08.3	0.0
R45A	Skylar, Fairfri	50.34	347	P	P	16 29 07.9	-0.3
Q49A	Aurora	50.37	350	P	P	16 29 07.5	-0.9
P53A	Whipple	50.37	354	eP	P	16 29 07.9	-0.5
P53A	Whipple	50.37	354	P	P	16 29 08.7	+0.3
P54A	Burton	50.40	355	P	P	16 29 08.8	+0.2
MCWV	Mont Chateau	50.40	355	eP	P	16 29 08.1	-0.6
MCWV	Mont Chateau	50.40	355	P	P	16 29 08.5	-0.1
Q48A	North Vernon	50.44	349	P	P	16 29 08.1	-0.8
WMOK	Wichita Mounta	50.47	335	P	P	16 29 08.7	-0.6
R44A	Waltonville	50.48	346	P	P	16 29 09.0	-0.3
S41A	Jilco Farms,	50.56	343	P	P	16 29 08.6	-1.2
P51A	Williamsport	50.56	352	P	P	16 29 09.3	-0.5
FVM	French Village	50.57	345	eP	P	16 29 08.0	-1.9
Q47A	Bedord North L	50.57	349	P	P	16 29 09.1	-0.8
P52A	Corning	50.60	353	P	P	16 29 09.3	-0.8
OLIL	Olney	50.72	347	eP	P	16 29 09.6	-1.4
P50A	Jamestown	50.79	352	P	P	16 29 11.0	-0.5
BLO	Bloomington	50.82	349	eP	P	16 29 10.2	-1.6
CCM	Cathedral Cave	50.85	344	eP	P	16 29 09.3	-2.8
CCM	Cathedral Cave	50.85	344	P	P	16 29 11.2	-0.8
P49A	Miami Univ. Ec	50.85	351	P	P	16 29 10.9	-1.1
P48A	Milroy	50.90	350	P	P	16 29 11.1	-1.3
O55A	Ligonier	50.91	356	P	P	16 29 12.3	-0.1
O56A	Blue Knob Stat	50.92	357	eP	P	16 29 11.4	-1.1
O56A	Blue Knob Stat	50.92	357	P	P	16 29 13.0	+0.4
R42A	Luebbering	50.94	344	P	P	16 29 11.8	-0.9
O52A	Adamsville	51.04	354	P	P	16 29 14.1	+0.6
P47A	Martinsville	51.08	349	P	P	16 29 12.8	-0.9
Q44A	Meyer Farm, Va	51.09	346	eP	P	16 29 11.8	-2.0
Q44A	Meyer Farm, Va	51.09	346	P	P	16 29 12.5	-1.3
O53A	New Philadelph	51.11	354	P	P	16 29 15.7	+1.8
R41A	Rosebud	51.12	344	P	P	16 29 13.4	-0.7
MNTX	Cornudas Mount	51.15	327	eP	P	16 29 12.9	-1.5
MNTX	Cornudas Mount	51.15	327	P	P	16 29 13.8	-0.6
O51A	Pataskala	51.16	353	P	P	16 29 14.4	+0.1
SSPA	Standing Stone	51.25	358	eP	P	16 29 14.4	-0.6
SSPA	Standing Stone	51.25	358	P	P	16 29 15.2	+0.2
Q43A	New Douglas	51.29	346	P	P	16 29 15.0	-0.3
ACSO	Alum Creek Sta	51.29	352	eP	P	16 29 13.7	-1.6
ACSO	Alum Creek Sta	51.29	352	P	P	16 29 14.5	-0.8
O50A	Cable	51.29	352	P	P	16 29 15.6	+0.3
P46A	Rosedale	51.38	348	P	P	16 29 16.5	+0.6
P45A	Graceland, Par	51.41	348	P	P	16 29 15.7	-0.4
O49A	Covington	51.44	351	eP	P	16 29 14.4	-2.0
O49A	Covington	51.44	351	P	P	16 29 15.0	-1.4
N55A	Marion Center	51.46	356	P	P	16 29 16.9	+0.4
Q42A	Golden Eagle	51.47	345	P	P	16 29 16.4	-0.3
N59A	State Game Lan	51.48	360	eP	P	16 29 14.1	-2.7
N59A	State Game Lan	51.48	360	P	P	16 29 17.7	+1.0
P44A	Sand Creek, Wi	51.54	347	P	P	16 29 16.4	-0.7
PAL	Palisades	51.59	1	P	P	16 29 17.5	+0.1

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N53A	Lisbon	51.62	355	P	P	16 29 18.1	+0.4
MSTX	Muleshoe	51.62	331	eP	P	16 29 15.2	-2.8
MSTX	Muleshoe	51.62	331	P	P	16 29 17.8	-0.2
O48A	Farmland	51.63	350	P	P	16 29 16.9	-0.9
Q41A	Truxton	51.69	344	P	P	16 29 17.5	-0.8
N54A	Moraine State	51.70	356	eP	P	16 29 16.2	-2.1
N54A	Moraine State	51.70	356	P	P	16 29 18.0	-0.3
O47A	Sheridan	51.79	349	P	P	16 29 18.2	-0.8
N50A	Nevada	51.84	352	P	P	16 29 19.4	0.0
N51A	Ashland	51.89	353	P	P	16 29 21.3	+1.5
P43A	Skaggs, Pawnee	51.91	346	P	P	16 29 19.0	-0.9
P42A	Winchester	52.06	345	P	P	16 29 18.9	-2.1
O45A	Potomac	52.10	348	P	P	16 29 19.6	-1.7
SFIN	Lafayette	52.10	349	P	P	16 29 19.6	-1.6
M55A	Ridgway	52.13	357	P	P	16 29 21.2	-0.3
N49A	Columbus Grove	52.13	352	eP	P	16 29 19.7	-1.8
N49A	Columbus Grove	52.13	352	P	P	16 29 20.5	-1.0
N48A	Decatur	52.20	351	P	P	16 29 21.7	-0.3
M54A	Oil Creek Stat	52.22	356	P	P	16 29 22.4	+0.2
M53A	WI Miller and	52.23	355	P	P	16 29 21.6	-0.7
P41A	Barry Barry	52.33	345	P	P	16 29 22.3	-0.7
N47A	Urbana	52.33	350	P	P	16 29 22.3	-0.7
M50A	Fremont	52.45	353	P	P	16 29 24.0	+0.2
O43A	Sugar Creek Fa	52.48	347	P	P	16 29 22.8	-1.3
N46A	Monticello	52.53	349	P	P	16 29 23.5	-0.9
O41A	Passleys Farm,	52.69	345	P	P	16 29 24.2	-1.5
N44A	Piper City	52.71	348	P	P	16 29 25.6	-0.1
BINY	Binghamton	52.77	359	eP	P	16 29 25.0	-1.2
BINY	Binghamton	52.77	359	P	P	16 29 26.7	+0.5
L55A	Hinsdale	52.82	357	P	P	16 29 26.7	0.0
ERPA	Erie	52.85	356	P	P	16 29 27.4	+0.6
L54A	Sinclairville	52.92	356	P	P	16 29 27.3	0.0
N43A	Stutzman Famil	53.07	347	P	P	16 29 27.3	-1.1
121A	Cookes Peak, D	53.10	325	P	P	16 29 30.0	+0.9
319A	Douglas	53.10	323	eP	P	16 29 29.2	+0.2
N42A	Yates City	53.16	346	P	P	16 29 28.1	-1.0
L49A	Milan	53.24	352	P	P	16 29 28.7	+0.1
N41A	Harden Midland	53.25	345	eP	P	16 29 28.4	-1.3
N41A	Harden Midland	53.25	345	P	P	16 29 28.7	-1.1
L47A	Sherwood	53.32	351	P	P	16 29 30.2	0.0
K55A	Perry	53.35	357	P	P	16 29 30.1	-0.4
KSU1	Kansas State U	53.48	339	P	P	16 29 30.9	-0.6
M43A	Waltham Townsh	53.50	347	P	P	16 29 30.8	-0.8
BNN	Barren Site	53.71	328	eP	P	16 29 32.2	-1.3
TYNO	Tyneside	53.82	356	P	P	16 29 33.7	-0.2
J55A	Hilton	53.88	358	P	P	16 29 34.4	+0.1
K48A	Perry	53.97	352	P	P	16 29 34.8	-0.2
J52A	Paris	54.01	355	P	P	16 29 34.7	-0.5
ELFO	Elginfield	54.03	355	P	P	16 29 34.2	-1.3
K46A	Dorr	54.10	350	P	P	16 29 35.1	-0.8
L43A	Garden Prairie	54.17	348	P	P	16 29 36.4	0.0
L42A	Oliver, Polo	54.19	347	P	P	16 29 36.6	0.0
ANMO	Albuquerque	54.23	328	eP	P	16 29 36.9	-0.4
ANMO	Albuquerque	54.23	328	P	P	16 29 37.7	+0.4
TASM	ASL Pad, Albuq	54.23	328	P	P	16 29 37.6	+0.3
TASM	ASL Pad, Albuq	54.23	328	P	P	16 29 37.5	+0.1
M39A	Webster	54.31	344	P	P	16 29 36.4	-1.1
ACTO	Action	54.34	356	P	P	16 29 37.7	0.0
CBKS	Cedar Bluff	54.38	337	eP	P	16 29 36.7	-1.4
CBKS	Cedar Bluff	54.38	337	P	P	16 29 37.6	-0.5
J48A	Bridge Port	54.41	352	P	P	16 29 38.3	+0.2
L41A	Preston	54.45	346	P	P	16 29 36.9	-1.6
J47A	Sumner	54.49	351	P	P	16 29 37.8	-1.0
PECO	Prince Edward	54.52	359	P	P	16 29 37.1	-1.8
WLVO	Wesleybud	54.56	357	P	P	16 29 38.9	-0.3
PKRO	Pickering	54.63	357	P	P	16 29 39.6	-0.2
TUC	Tucson	54.66	323	eP	P	16 29 38.8	-1.5
TUC	Tucson	54.66	323	P	P	16 29 40.5	+0.2
I52A	Shelburne	54.81	356	P	P	16 29 40.7	-0.4
I55A	Frankford	54.82	358	P	P	16 29 40.7	-0.4
K42A	Prairie Point,	54.86	347	P	P	16 29 41.1	-0.3
L39A	Vinton	54.87	345	P	P	16 29 40.7	-0.8
LBNH	Lisbon	54.89	3	P	P	16 29 42.5	+0.9
T25A	Trinidad	54.97	332	eP	P	16 29 42.2	-0.4
T25A	Trinidad	54.97	332	P	P	16 29 42.8	+0.1
BRCO	Bruce Peninsul	55.09	355	P	P	16 29 42.2	-0.8
DELO	Deloro Mine	55.12	358	P	P	16 29 43.0	-0.2
H55A	Twined	55.14	358	P	P	16 29 42.4	-1.0
H56A	Elgin	55.16	359	P	P	16 29 43.3	-0.2
LONV	Lake Ozonia	55.19	1	eP	P	16 29 42.7	-1.0
LONV	Lake Ozonia	55.19	1	P	P	16 29 44.1	+0.3
FRNY	Flat Rock	55.42	2	eP	P	16 29 45.1	-0.3
SADO	Sadowa	55.44	357	eP	P	16 29 44.0	-1.5
J41A	Loganville	55.57	347	P	P	16 29 46.4	-0.1
214A	Organ Pipe Nat	55.64	321	P	P	16 29 47.6	+0.3

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G53A	Halliburton	55.76	357	P	P
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Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, and other parameters. Includes stations like Casper, Chibougama, Black Hills, etc.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, and other parameters. Includes stations like I07A, F10A, M02C, etc.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, and other parameters. Includes stations like KBZ, AKTO, BVAR, etc.

THR 10:16:29:41.2,28:32N:51:30E, h26km, ML3.6
IDC 10:16:29:42.7,1.6,28:35N:51:89E, h0km, mb3.6/10,
mb1 3.7/12, mb1mx3.5/50, mbtmp3.6/12, ML3.6/2, MS2.6/1,
Ms1 2.6/1, ms1mx2.5/53, Error ellipse: s-maj=35.1km
s-min=20.2km az=42.0
TEH 10:16:29:43.3,28:36N:51:47E, h7km, ML3.7
ISCJB 10:16:29:43.4,0.5,28:39N:51:69E, h15km,
mb3.5/10, Error ellipse: s-maj=7.8km s-min=3.3km
az=158.9
OMAN 10:16:29:47.9,0.5,28:59N:51:96E, h30km, ml3.8/7, Error
ellipse: s-maj=32.5km s-min=10.1km az=44.0
DSN 10:16:29:47.1,0.5,28:46N:51:99E, h10km, ML3.5/6, Error
ellipse: s-maj=32.8km s-min=7.3km az=17.0
ISC 10:16:29:48.0,9,28:37N:0:05:51:65E, h15km, n48,
@1222:56, mb3.7/10, 2D, Southern Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, and other parameters. Includes stations like GHIR, KAZEROUN, SHIRAZ, etc.





Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like MDH Madha, HATD Hatta, ASHO Ashijah, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like VRI Vrincioia, PLOR Plostina, MLR Muntele Rosu, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like Jaya Genyem, GENI Genyem, JAY Jayapura, etc.

ISCJB 10 17:09.30.4.2.4.28.4N.0.2.142.6E.0.7, h10km, mb3.7/8, Error ellipse: s-maj=96.6km s-min=13.5km az=169.2

10d 18hr

DBIC	Dimbokro	144.14 277	PKP	PKPdf	17 34 49.5	-1.0
DBIC	Dimbokro	144.14 277	ePKPdf	PKPbc	17 34 49.2	+0.5
CPUP	Villa Florida	146.75 152	PKPbc	PKPbc	17 34 58.1	+1.7
comp=2.0,7nm,0.5s,baz=270,slow=2.0,SNR=1.7						
LPAZ	La Paz	146.81 126	PKPbc	PKPbc	17 34 59.4	+1.8
comp=2.0,7nm,0.7s,baz=346,s1ow=4.2,SNR=2.5						
LPAZ	La Paz	146.81 126	ePKPdf	PKPdf	17 34 54.3	-1.5
LPAZ	La Paz	146.81 126	PKPbc	PKPbc	17 34 59.4	+1.8

MEX 10 17:19:47.1-0.5,1578N-96.83W,h6km,12km,MD3.8,  
Near coast of Oaxaca

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
HUIG	Huautlco	0.70 82	eP	Pg	17 19 59.6	-1.0
HUIG	Huautlco	0.70 82	eS	Sg	17 20 08.5	-1.1
VHO	Vista Hermosa	1.39 4	iP	Pn	17 20 10.2	-3.1
VHO	Vista Hermosa	1.39 4	iS	Sb	17 20 27.5	-4.3
PNIG	Pinotepa	1.44 300	eP	Pn	17 20 10.5	-3.3
PNIG	Pinotepa	1.44 300	eS	Sb	17 20 29.3	-3.6
CMIG	Matias Romero	2.34 53	iP	Pn	17 20 29.3	-3.3
CMIG	Matias Romero	2.34 53	iS	Sb	17 20 51.3	-4.0
TLIG	Tlapa	2.51 319	eP	Pn	17 20 29.9	+0.2
TLIG	Tlapa	2.51 319	eS	Sb	17 21 01.4	+1.8

ISC 10 17:23:27.4-0.7,37.12N:141.46E,h0km,mb3.1,Error  
ellipse: s-maj=93.2km s-min=34.3km az=15.0, Near east  
coast of eastern Honshu

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
MJAR	Matsushiro Arr	2.67 258	Op	Pn	17 24 11.3	-0.4
0.2nm,0.3s,baz=76,slow=18,SNR=7.0						
MJAR	Matsushiro Arr	2.67 258	Op	Sb	17 24 45.2	+0.5
0.2nm,0.3s,baz=37,slow=18,SNR=6.2						
H1N2	WAKE ISLAND Hy 28.16 121 T		T	T	17 58 57.8	
0.2nm,0.3s,baz=75,SNR=13						
H1N1	WAKE ISLAND Hy 28.16 121 T		T	T	17 59 00.6	
0.2nm,0.3s,baz=75,SNR=16						
H1N3	WAKE ISLAND Hy 28.18 121 T		T	T	17 59 02.5	
0.2nm,0.3s,baz=75,SNR=17						
H1S1	WAKE ISLAND Hy 28.88 123 T		T	T	17 59 54.3	
0.2nm,0.6s,baz=65,SNR=6.9						
H1S3	WAKE ISLAND Hy 28.88 123 T		T	T	17 59 55.6	
0.2nm,0.6s,baz=75,SNR=6.3						
H1S2	WAKE ISLAND Hy 28.89 123 T		T	T	17 59 55.1	
0.2nm,0.6s,baz=75,SNR=7.6						
WRA	Warramunga Arr	57.15 188 P		P	17 33 15.3	-0.7
0.2nm,0.6s,baz=5.9,slow=7.7,SNR=4.2						
ASAR	Allice Springs	60.88 188 P		P	17 33 42.3	+0.5
0.3nm,0.9s,baz=9.3,slow=4.9,SNR=3.1						

MEX 10 17:31:25.2-1.1,1572N-96.80W,h5km,MD3.9,Near  
coast of Oaxaca

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
HUIG	Huautlco	0.67 86	eP	Pg	17 31 37.1	-1.0
HUIG	Huautlco	0.67 86	eS	Sg	17 31 46.2	-0.7
VHO	Vista Hermosa	1.35 3	iP	Pn	17 31 47.2	-3.7
VHO	Vista Hermosa	1.35 3	iS	Sb	17 32 04.2	-4.4
PNIG	Pinotepa	1.44 298	eP	Pn	17 31 47.9	-4.1
PNIG	Pinotepa	1.44 298	eS	Sb	17 32 09.2	-2.0
CMIG	Matias Romero	2.29 53	eP	Pn	17 31 59.6	-4.1
CMIG	Matias Romero	2.29 53	eS	Sb	17 32 34.9	-0.8
TLIG	Tlapa	2.50 318	eS	Sb	17 32 40.5	-1.2

MEX 10 17:44:04.2-0.6,1575N-96.80W,h5km,MD3.6,Near  
coast of Oaxaca

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
HUIG	Huautlco	0.67 89	eP	Pg	17 44 16.2	-0.8
HUIG	Huautlco	0.67 89	eS	Sg	17 44 25.9	-0.4
VHO	Vista Hermosa	1.31 3	iP	Pn	17 44 25.8	-3.8
VHO	Vista Hermosa	1.31 3	iS	Sb	17 44 44.2	-2.3
PNIG	Pinotepa	1.43 297	eP	Pn	17 44 27.3	-3.5
PNIG	Pinotepa	1.43 297	eS	Sb	17 44 44.7	-5.2

KRSC 10 17:49:47.1-10.0,49.16N:156.67E,h26km,10km,ML3.7,  
Kuril Islands

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
SKR	Severo-Kuril's	1.57 347	eP	Pn	17 50 13.4	+0.1
SKR	Severo-Kuril's	1.57 347	eS	Sb	17 50 34.1	-0.8
ALID	Alaid	1.86 338	eP	Pn	17 50 17.4	0.0
ALID	Alaid	1.86 338	eS	Sb	17 50 57.2	+2.2
PAU	Pauzhetka	2.32 2	eP	Pn	17 50 25.7	+2.2
PAU	Pauzhetka	2.32 2	eS	Sb	17 50 54.6	-1.7
KDTR	Khodutka, Kame	2.81 18	eS	Sb	17 51 06.7	+3.6
MTVR	Mutnovka	3.47 15	eP	Pn	17 51 43.4	+4.1
MTVR	Mutnovka	3.47 15	eS	Sb	17 51 24.4	+4.7
RUS	Russkaya	3.48 19	eP	Pn	17 50 43.0	+3.5
RUS	Russkaya	3.48 19	eS	Sb	17 51 23.0	+3.1
KRMR	Karymsinskiy	3.79 13	eP	Pn	17 50 48.2	+4.4
PET	Petropavlovsk	4.07 17	eP	Pn	17 50 52.7	+5.1
DALK	Dalny	4.10 18	eP	Pn	17 50 52.1	+4.1
DALK	Dalny	4.10 18	eS	Sb	17 51 40.6	+5.6
UGLR	Uglovaya	4.28 18	eP	Pn	17 50 55.3	+4.7
AVH	Avacha	4.32 17	eP	Pn	17 50 56.2	+5.1
SMAR	Somma	4.33 17	eP	Pn	17 50 57.1	-5.4
SDLR	Sedlovina	4.36 18	eP	Pn	17 50 55.8	+4.1
SPN	Mys Shipunski	4.48 27	eP	Pn	17 51 49.9	+5.5
SPN	Mys Shipunski	4.48 27	eS	Sb	17 51 20.8	+3.3
MKZ	Mys Kozlova	6.25 28	eP	Pn	17 51 46.6	+5.3
KBTR	Krutoberegovo	7.99 26	eP	Pn	17 51 46.6	+5.3

KRSC 10 18:11:55.0-10.0,50.75N:157.67E,h40km,10km,ML3.5,  
Kuril Islands

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
PAU	Pauzhetka	0.90 323	eP	Pn	18 12 12.9	+1.7
PAU	Pauzhetka	0.90 323	eS	Sb	18 12 25.0	+1.9
KDTR	Khodutka, Kame	1.09 13	eP	Pn	18 12 15.0	+1.2
KDTR	Khodutka, Kame	1.09 13	eS	Sb	18 12 29.2	+1.5
ALID	Alaid	1.35 276	eP	Pn	18 12 18.9	+1.3
ALID	Alaid	1.35 276	eS	Sb	18 12 35.8	+1.4
MTVR	Mutnovka	1.77 10	eP	Pn	18 12 25.3	+2.1
MTVR	Mutnovka	1.77 10	eS	Sb	18 12 46.5	+2.0
RUS	Russkaya	1.77 17	eP	Pn	18 12 24.2	+1.1
RUS	Russkaya	1.77 17	eS	Sb	18 12 45.9	+1.3
KRMR	Karymsinskiy	2.10 8	eP	Pn	18 12 30.7	+3.0
KRMR	Karymsinskiy	2.10 8	eS	Sb	18 12 56.8	+4.2
PET	Petropavlovsk	2.36 15	eP	Pn	18 12 34.1	+2.9
PET	Petropavlovsk	2.36 15	eS	Sb	18 13 01.5	+2.6
DALK	Dalny	2.38 16	eP	Pn	18 12 33.8	+2.3
DALK	Dalny	2.38 16	eS	Sb	18 13 19.9	+2.4
UGLR	Uglovaya	2.56 16	eP	Pn	18 12 37.8	+3.6
AVH	Avacha	2.60 14	eP	Pn	18 12 38.5	+3.8
SMAR	Somma	2.61 15	eP	Pn	18 12 38.3	+3.4
SDLR	Sedlovina	2.64 16	eP	Pn	18 12 37.2	+2.0
KRER	Koryakskii	2.64 14	eP	Pn	18 12 39.1	+3.8

KRSC 10 18:13:58.7-10.0,55.81N:165.16E,h45km,10km,ML3.7,  
ISCJB 10 18:13:59.4-0.9,55.82N:0.04:165.09E,0.07,h17km,9.3km,  
mb3.2/4, Error ellipse: s-maj=7.1km s-min=5.8km az=32.7

ISC 10 18:13:59.1-1.8,56.12N:164.88E,h0km,mb3.2/4,  
mb1 3.4/6, mb1mx3.2/56, mbtmp3.3/6, ML3.2/2, MS3.0/1,  
Ms1 3.0/1, ms1mx2.4/18, Error ellipse: s-maj=62.7km  
s-min=18.7km az=152.0

ISC 10 18:13:58.6-2.2,55.88N:0.06:165.11E,0.08,h4km,17km,  
n32, r1939/41, mb3.2/4, Komandorskiy islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
BKI	Bering	0.83 144	eP	Pg	18 14 14.4	-0.2
BKI	Bering	0.83 144	eS	Sg	18 14 24.9	-0.5
KBTR	Krutoberegovo	1.33 285	eP	Pn	18 14 21.5	-2.3
KBG	Krutoberegovo	1.40 287	eP	Pn	18 14 22.8	-2.0
KBG	Krutoberegovo	1.40 287	eS	Sb	18 14 40.7	-3.0
SMKR	Semkarak	2.15 291	eP	Pn	18 14 35.0	-0.2
SMKR	Semkarak	2.15 291	eS	Sb	18 15 02.5	+0.1

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BDR	Baidarnaya	2.29 289	eP	Pn	18 14 37.3	+0.2
BDR	Baidarnaya	2.29 289	eS	Sb	18 15 06.9	+1.2
SRKR	Sorokina	2.33 291	eP	Pn	18 14 37.8	+0.1
SRKR	Sorokina	2.33 291	eS	Sb	18 15 07.0	+0.2
MKZ	Mys Kozlova	2.34 237	eP	Pn	18 14 36.9	-0.9
MKZ	Mys Kozlova	2.34 237	eS	Sb	18 15 06.2	+0.2
UGLR	Uglovaya	2.49 277	eP	Pn	18 14 41.1	+1.0
UGLR	Uglovaya	2.49 277	eS	Sb	18 14 39.2	-1.2
KLY	Klyuchi	2.53 282	eP	Pn	18 15 08.3	-3.4
TUMD	Tumrok D	2.76 258	eP	Pn	18 14 44.4	+0.8
TUMD	Tumrok D	2.76 258	eS	Sb	18 15 18.2	+0.9
KZY	Kizimen	2.84 256	eP	Pn	18 15 04.4	-2.6
TUMR	Tumrok	2.86 260	eP	Pn	18 14 46.8	+1.5
SRDR	Sredinnyy	3.05 281	eP	Pn	18 14 48.8	+1.2
SRDR	Sredinnyy	3.05 281	eS	Sb	18 15 26.7	+2.2
SDLR	Sedlovina	4.46 237	eP	Pn	18 15 07.7	+0.7
SDLR	Sedlovina	4.46 237	eS	Sb	18 15 57.1	+2.2
KRER	Koryakskii	4.51 238	eP	Pn	18 15 09.1	+1.4
SMAR	Somma	4.51 237	eP	Pn	18 15 08.5	+0.8
UGLR	Uglovaya	4.53 236	eP	Pn	18 15 08.9	+0.9
AVH	Avacha	4.54 237	eP	Pn	18 15 09.3	+1.3
DALK	Dalny	4.66 235	eP	Pn	18 15 10.3	+0.5
DALK	Dalny	4.66 235	eS	Sb	18 16 02.7	+1.7
PET	Petropavlovsk	4.73 235	eP	Pn	18 15 10.1	-0.4
KRMR	Karymsinskiy	5.09 236	eP	Pn	18 15 17.0	+1.4
KRMR	Karymsinskiy	5.09 236	eS	Sb	18 16 14.1	-0.7
PETK	Petropavlovsk-	5.13 240	Op	Pn	18 15 16.9	+0.7
0.1nm,0.3s,baz=71,slow=17,SNR=1.4						

PETK	Petropavlovsk-	5.13 240	Op	Sb	18 16 17.0	+1.3
1.5nm,0.3s,baz=50,slow=17,SNR=3.2						
RUS	Russkaya	5.19 231	eP	Pn	18 15 16.8	-0.1
MTVR	Mutnovka	5.30 233	eP	Pn	18 15 19.4	+0.8
ASAJ	Asahikawa	18.55 240 P		P	18 18 10.8</	

Table with columns: AAA, Alma-Ata, 2.37 343 Pg, Pb, 18 57 06.4 +1.0, DJR, 109nm,0.4s, eS, Sg, 18 58 19.9 -0.9, KRBR, Kerman, 4.83 69 ePn, Pn, 18 58 14.9 +0.8

Table with columns: ARSB, Arslanbob, 3.70 277f eP, Pn, 18 57 20.9 +1.0, ARSB, Nazwa, 4.93 0 ePn, Pn, 18 58 15.6 +0.2, MRKS, Merke, 3.90 299 Pg, Pb, 18 57 33.0 +1.4, MRKS, Merke, 3.90 299 eP, Pn, 18 57 33.0 +1.4, MRKS, Merke, 3.90 299 eS, Sg, 18 58 25.4 -2.8, TDK, Taldyqorghan, 4.07 5 Pg, Pb, 18 57 36.3 +1.8, TDK, Taldyqorghan, 4.07 5 eP, Pn, 18 58 31.2, TDK, Taldyqorghan, 4.07 5 eP, Pn, 18 57 36.2 +1.8, TDK, Madha, 5.24 125 iP, Pn, 18 58 31.2 -2.5, TDK, Madha, 5.24 125 P, Pn, 18 57 44.5 +3.2, KAPS, Kapalarasan, 4.47 14 Pg, Pb, 18 58 45.0, KAPS, Kapalarasan, 4.47 14 eP, Pn, 18 57 44.5 +3.2, KAPS, Kapalarasan, 4.47 14 eS, Sg, 18 59 41.8 -4.3, KK31, Karatay Array, 5.88 294 iPg, Pn, 18 58 09.9 +4.7, KK31, Karatay Array, 5.88 294 iPg, Pn, 18 59 26.5, IUG, Iuzhnyy, 6.00 284 eP, Pb, 18 59 11.3 +4.1, IUG, Iuzhnyy, 6.00 284 eP, Pb, 18 58 10.9 -4.4, BRLL, Borolday, 6.33 292 eS, Sg, 18 58 17.7 +4.8, BRLL, Borolday, 6.33 292 eS, Sg, 18 59 41.8 -4.3, MAKZ, Makanchi, 6.57 26 iPg, Pn, 18 57 59.8 +0.7, MAKZ, Makanchi, 6.57 26 iPg, Pn, 18 58 41.2, MAKZ, Makanchi Array, 6.66 27 iPg, Pn, 18 59 08.2, MAKZ, Makanchi Array, 6.66 27 iPg, Pn, 18 58 41.2, MK31, Makanchi Array, 6.66 27 iPg, Pn, 18 59 17.5 +1.3, MK31, Makanchi Array, 6.66 27 iPg, Pn, 18 59 50.0, MKAR, Makanchi Array, 6.66 27 Pn, 18 58 01.4 +0.9, MKAR, Makanchi Array, 6.66 27 Pn, 18 59 14.9 -1.3, MKAR, Makanchi Array, 6.66 27 Pn, 18 59 50.6, WMQ, Urumqi, 7.83 65 eP, Pn, 18 58 16.7 +0.3, WMQ, Urumqi, 7.83 65 eP, Pn, 18 59 45.2 +0.3, WMQ, Urumqi, 7.83 65 eP, Pn, 18 58 22.3 +1.5, WMQ, Urumqi, 7.83 65 eP, Pn, 18 58 50.0 +5.0, ZSN, Zaisan, 8.22 35 Pg, Pb, 19 00 38.0, ZSN, Zaisan, 8.22 35 eP, Pn, 18 58 50.0 +5.0, ZSN, Zaisan, 8.22 35 eS, Sg, 19 00 38.0 -8.5, OTUK, Ortayu, 8.29 334 iPg, Lg, 19 00 39.7, THW, Thame Wali, 9.49 213 P, Pn, 18 58 38.4 -0.9, THW, Thame Wali, 9.49 213 P, Pn, 18 58 42.9 +1.1, KURBB, Kurban, 9.69 3 Pn, 19 01 28.1, KURBB, Kurban, 9.69 3 Pn, 19 01 28.1, BVAR, Borovoye Array, 13.11 340 Pn, 18 59 25.6 -3.0, BVAR, Borovoye Array, 13.11 340 Pn, 18 59 25.6 -3.0, ZALV, Zaitun, 13.82 17 Pn, 18 59 37.9 -0.5, ZALV, Zaitun, 13.82 17 Pn, 18 59 37.9 -0.5, ZALV, Zaitun, 13.82 17 Pn, 19 03 41.1, SONM, Songino Array, 21.44 62 P, 19 01 10.8 0.0, SONM, Songino Array, 21.44 62 P, 19 09 53.4, WSRW, Wadi Sarin, 23.93 228 LR, 19 12 15.2, WSRW, Wadi Sarin, 23.93 228 LR, 19 13 13.0, KBZ, Khabaz, 25.88 208 LR, 19 04 29.9 -1.7, NOA, NORSAR Array B, 44.24 320 P, 19 07 38.4 -2.7, TORO, Torodi Arr. Bea, 71.09 271 P, 19 07 38.4 -2.7

Table with columns: KRBR, Kerman, 4.83 69 ePn, Pn, 18 58 14.9 +0.8, KRBR, Kerman, 4.83 69 ePn, Pn, 18 58 14.9 +0.8, IKLH, Kolahard, 4.93 0 ePn, Pn, 18 58 15.6 +0.2, IKLH, Kolahard, 4.93 0 ePn, Pn, 18 58 15.6 +0.2, NAZ, Nazwa, 4.99 132 iP, Pn, 18 58 18.4 +2.4, NAZ, Nazwa, 4.99 132 iP, Pn, 18 58 18.4 +2.4, NAZ, Nazwa, 4.99 132 iP, Pn, 18 59 14.1 +1.1, NAZ, Nazwa, 4.99 132 iP, Pn, 18 58 19.5 +2.9, ASUD, Ashush, Dub, 5.04 137 iP, Pn, 18 58 19.6 +2.9, ASUD, Ashush, Dub, 5.04 137 iP, Pn, 18 58 19.6 +2.9, ASUD, Ashush, Dub, 5.04 137 iP, Pn, 18 59 16.4 +2.2, ASUD, Ashush, Dub, 5.04 137 iP, Pn, 18 58 18.7 +1.2, MSFE, Esma-Masafi, 5.10 125 iP, Pn, 18 58 19.0 +1.5, MSFE, Esma-Masafi, 5.10 125 ePn, Pn, 18 58 19.9 +2.2, FAQ, Al Faqa, Dubai, 5.12 134 P, Pn, 18 58 20.3 +1.0, MDH, Madha, 5.24 125 iP, Pn, 18 58 20.5 +1.1, MDH, Madha, 5.24 125 P, Pn, 18 58 20.5 +1.1, MDH, Madha, 5.24 125 P, Pn, 18 59 17.4 -1.6, HATD, Hatta, Dubai, 5.42 130 iP, Pn, 18 58 23.5 +1.7, HATD, Hatta, Dubai, 5.42 130 ePn, Pn, 18 58 23.7 +1.8, CHMN, Cheshme madani, 5.45 73 ePn, Pn, 18 58 23.1 +0.5, ASHO, Ashiyah, 5.46 131 iP, Pn, 18 58 24.0 +1.5, ASHO, Ashiyah, 5.46 131 iP, Pn, 18 58 24.2 +1.6, ASHO, Ashiyah, 5.46 131 iP, Pn, 18 59 24.5 -0.2, KHMZ, Khomeyn, 5.52 346 ePn, Pn, 18 58 23.7 +0.2, KHMZ, Khomeyn, 5.52 346 ePn, Pn, 18 58 23.7 +0.2, KRSH, Karahi, 5.60 55 ePn, Pn, 18 58 28.4 +2.3, ALNE, Al Ain, 5.72 138 ePn, Pn, 18 58 29.1 +3.0, ALNE, Al Ain, 5.72 138 ePn, Pn, 18 58 29.1 +3.0, ISFB, Seifdab, 5.95 6 ePn, Pn, 18 58 29.2 +0.6, SOHO, Sohad, 6.15 132 P, Pn, 18 58 33.1 +1.2, SOHO, Sohad, 6.15 132 P, Pn, 18 59 39.9 -1.7, TPRV, Parvadeh(Tabas), 6.41 42 ePn, Pn, 18 58 35.7 +0.1, TPRV, Parvadeh(Tabas), 6.41 42 ePn, Pn, 18 58 35.7 +0.1, TNSJ, Nastan, 7.06 37 ePn, Pn, 18 58 44.2 +0.7, TKDS, Koohestak(Taba), 7.08 41 ePn, Pn, 18 59 00.1 +0.3, WSAJ, Wadi Sarin, 8.18 127 Pn, 19 00 25.6 -5.9, WSAJ, Wadi Sarin, 8.18 127 Pn, 19 00 25.6 -5.9, WSAJ, Wadi Sarin, 8.18 127 Pn, 19 00 25.6 -5.9, JLN, Jalaan Bani Buq, 8.94 129 P, Pn, 18 59 16.5 -0.5, JLN, Jalaan Bani Buq, 8.94 129 P, Pn, 18 59 16.5 -0.5, BRTR, Keskin Arr B, 18.63 312 P, 19 01 18.4 -0.1, BRTR, Keskin Arr B, 18.63 312 P, 19 01 18.4 -0.1, AKTO, Aktyulay, 22.58 11 P, Pn, 19 02 01.9 +0.8, AKTO, Aktyulay, 22.58 11 P, Pn, 19 02 01.9 +0.8, FINES, FINESS Array B, 37.17 340 P, 19 04 10.0 -1.3, FINES, FINESS Array B, 37.17 340 P, 19 04 10.0 -1.3, NB2, NORSAR Subarra, 42.28 332 P, 19 04 55.7 +1.8, NB2, NORSAR Subarra, 42.28 332 P, 19 04 55.7 +1.8, NOA, NORSAR Array B, 42.28 332 P, 19 04 53.6 -0.3, NOA, NORSAR Array B, 42.28 332 P, 19 04 53.6 -0.3, ARCES, ARCES Array B, 43.86 347 P, 19 05 06.5 -0.1, ARCES, ARCES Array B, 43.86 347 P, 19 05 06.5 -0.1, CMAR, Chiang Mai Arr, 44.36 92 P, 19 05 10.0 -1.2, CMAR, Chiang Mai Arr, 44.36 92 P, 19 05 10.0 -1.2, TORO, Torodi Arr. Bea, 48.67 263 P, 19 05 44.4 -0.7, TORO, Torodi Arr. Bea, 48.67 263 P, 19 05 44.4 -0.7

ISC/JB 10 19:12:04.0, 2, 11:37S; 0'03.166; 23E; 0'04. h10km, mB5.0/92, MS4.5/22, Error ellipse: s-maj=5.5km, s-min=3.8km az=150.6, BUI 10 19:12:04.0, 11:20S; 166'40E, h10km, mb4.8/30, mB5.2/22, Ms5.0/12, Ms7.4/8/12, NEIC 10 19:12:05.8, 0.2, 11:32S; 166'24E, h10km, mb5.3/66, Error ellipse: s-maj=4.5km s-min=3.6km az=80.0, IDC 10 19:12:08.4, 2.6, 11:42S; 166'25E, h26km, 16km, mb4.6/19, mb1.4/7/22, mb1mx4.6/36, mbtmpp3.6/8, ML2.9/1, MS4.4/18, Ms4.4/18, ms1mx4.3/27, Error ellipse: s-maj=17.7km, s-min=12.7km az=80.0, GCMT 10 19:12:12.8, 0.1, 11:45S; 0'01.165; 97E; 0'01, h35km, 1km, MW5.3/100, Moment Tensor Solution, s84.c128; s100.c183; Duration: 1s2, Moment tensor: Scale 10^17 Nm; Mw=0.92±.02; Ms=0.92±.02; Mv=0.92±.02; Mh=0.53±.03; Mh=0.50±.02; Mh=0.70±.04; Best double couple: Mo1.34400x10^17 NP1.595900000°; d85.00000°, λ-143.00000°. NP2.325.00000°; d53.00000°, λ-6.00000°. Principal axes: T 1.1840, P1g21.0000°, Azm186.0000°; N 0.3190, P1g53.0000°, Azm65.0000°; P -1.5040, P1g29.0000°, Azm288.0000°; nst1 refers to body waves, cutoff=4s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, HNR, Honiara, 6.51 287 Op, ISC, h m s ISC, 19 13 44.3 +2.8, HNR, Honiara, 6.51 287 eP, Sn, 19 14 55.8 -0.1, HNR, Honiara, 6.51 287 eP, Sn, 19 16 29.4, HNR, Honiara, 6.51 287 eP, Sn, 19 13 43.0 +1.5, HNR, Honiara, 6.51 287 eP, Sn, 19 14 50.0 -5.9, HNR, Honiara, 6.51 287 eP, Sn, 19 13 43.1 +1.6, HNR, Honiara, 6.51 287 eP, Sn, 19 14 55.8 -0.1, MARNC, Mare, Loyalty, 10.19 171 ePn, Pn, 19 14 34.2 +2.2, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 14 40.9 +2.7, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 14 40.9 +2.7, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 16 32.7 -4.8, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 16 54.7, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 17 06.7, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 14 40.7 +2.5, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 16 35.3 -2.2, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 14 40.0 +1.7, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 16 35.3 -2.2, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 14 45.9 +2.9, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 14 49.2 +2.9, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 15 29.2 +1.2, DZM, Mont Dzumac, 10.63 179 ePn, Pn, 19 15 48.6 +1.7, PMG, Port Moresby, 18.89 274 P, Pn, 19 16 26.7 -0.4, PMG, Port Moresby, 18.89 274 P, Pn, 19 16 26.5 0.0, PMG, Port Moresby, 18.89 274 P, Pn, 19 16 26.5 0.0, PATS, Pohpei, 19.75 336 P, Pn, 19 16 39.4 +2.0, EIDS, Eidsvold, 20.00 224 eP, Pn, 19 16 39.4 -0.8, EIDS, Eidsvold, 20.00 224 eP, Pn, 19 16 41.3 +1.1, MANU, Manus Island, 20.91 295 eP, Pn, 19 16 49.7 -1.4, CTA, Charters Tower, 21.10 243 P, Pn, 19 16 51.3 +0.8, CTA, Charters Tower, 21.10 243 P, Pn, 19 16 51.9 +1.4, LHI, Lord Howe Island, 21.12 197 eP, Pn, 19 16 51.6 +1.0, LHI, Lord Howe Island, 21.12 197 eP, Pn, 19 16 53.7 +3.2, MTSU, Mount Surprise, 22.25 250 P, Pn, 19 17 04.3 +1.4, ROMQ, Roma, 22.21 225 P, Pn, 19 17 05.3 +1.8, COEN, Coen, 22.67 261 eP, Pn, 19 17 08.2 +0.8, COEN, Coen, 22.67 261 eP, Pn, 19 17 07.8 +0.4, ARMA, Armidale, 23.31 213 eP, Pn, 19 17 15.7 +1.6, ARMA, Armidale, 23.31 213 eP, Pn, 19 17 16.1 +2.0, NGRK, Negar Kerman, 4.72 73 ePn, Pn, 19 18 12.8 +0.7, NGRK, Negar Kerman, 4.72 73 ePn, Pn, 19 18 13.0 +0.5, KHGB, Koh Gabri, 4.75 64 ePn, Pn, 19 18 13.1 +0.3, NIAN, Nian, 4.75 99 ePn, Pn, 19 18 12.2 -0.5, YZKH, Yazd, 4.79 33 ePn, Pn, 19 18 13.7 +0.4



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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like HDC Heredia, LCR2 La Lucha 2, WBCY West Bay, Gran, etc.

2013 APR

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

10d 19h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like NHSC New Hope, NHSC New Hope, Z57A Bowman, etc.



10d 19h

Table with columns: Station ID, Name, Comp, Z, SNR, P, M, L, R, S, and values. Includes stations like V51A Loudon, X37A Clayton, SJG San Juan, etc.

2013 APR

Table with columns: Station ID, Name, Comp, Z, SNR, P, M, L, R, S, and values. Includes stations like S44A Carbondale, SIUC Southern Illin, U58A Oxford, etc.

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Table with columns: Station ID, Name, Comp, Z, SNR, P, M, L, R, S, and values. Includes stations like EPT El Paso, P46A Rosedale, P49A Miami Univ, etc.

Table with columns for station ID, name, frequency, power, and various performance metrics. Includes stations like N53A Lisbon, M46A Old House Field, and JFW5 Jewell Farm.

Table with columns for station ID, name, frequency, power, and various performance metrics. Includes stations like JFW5 Jewell Farm, SDCCO Great Sand Dun, and BGNE Belgrade.

Table with columns for station ID, name, frequency, power, and various performance metrics. Includes stations like I52A Shelburne, H47A Mio, and H40A Chilli.

PLVO	Plevna	30.57	14	P	P	19 20 16.5 +0.4
E43A	Lone Tree Farm	30.68	0	eP	P	19 20 16.4 -0.7
E43A	Lone Tree Farm	30.68	0	eP	P	19 20 16.6 -0.5
E45A	Wooded Hills,	30.71	3	P	P	19 20 17.2 -0.1
E42A	Champion	30.74	359	P	P	19 20 17.4 -0.3
E46A	Sault Ste Mari	30.77	4	P	P	19 20 17.1 -0.8
FFD	Franklin Falls	30.78	22	eP	P	19 20 18.7 +0.6
W13A	Hualapai Mount	30.80	314	eP	P	19 20 18.9 +0.3
E41A	Kenton	30.80	358	P	P	19 20 17.6 -0.7
E39A	Mellen	30.81	355	P	P	19 20 18.2 -0.1
F52A	Sundridge	30.82	11	P	P	19 20 19.3 +0.9
E40A	Wakefield	30.83	356	P	P	19 20 18.5 0.0
LONY	Lake Ozonia	30.84	18	eP	P	19 20 20.2 +1.6
LONY				LR	LR	
LONY	Lake Ozonia	30.84	18	P	P	19 20 19.8 +1.2
F51A	Arnstein	30.85	10	P	P	19 20 18.7 +0.1
G55A	Calabogie	30.85	15	P	P	19 20 19.4 +0.7
E47A	Iron Bridge	30.93	5	P	P	19 20 19.8 +0.5
E44A	Grand Marais A	30.94	2	P	P	19 20 19.7 +0.2
E48A	Lockeyer	31.07	7	P	P	19 20 20.7 +0.1
SRU	San Rafael Swe	31.09	323	eP	P	19 20 22.4 +1.3
SRU				eP	P	19 20 22.4 +1.3
PKCU	Pink Cliffs	31.09	319	eP	P	19 20 23.7 +2.4
SWSC	Sam W. Stewart	31.12	309	P	P	19 20 22.0 +0.9
E38A	The Farm, Brul	31.12	354	eP	P	19 20 21.3 +0.2
E38A	The Farm, Brul	31.12	354	P	P	19 20 21.0 -0.1
PEMO	Pembrook	31.13	14	P	P	19 20 21.9 +0.8
NEE2	Needles Airpor	31.14	313	P	P	19 20 23.4 +2.0
VT1	Waterbury	31.15	20	eP	P	19 20 21.8 +0.4
KNB	Kanab	31.16	318	eP	P	19 20 23.7 +1.9
KNB	Kanab	31.16	318	eP	P	19 20 23.7 +1.9
BC3	Big Chuckawall	31.19	310	P	P	19 20 23.1 +1.1
E50A	Wahnapitae	31.20	9	P	P	19 20 21.0 -0.7
IRM	Iron Mountain	31.21	311	P	P	19 20 22.9 +0.9
RWWY	Rawlins	31.21	330	eP	P	19 20 23.5 +1.3
ALGO	Algonquin Park	31.22	12	P	P	19 20 22.8 +0.9
IKP	In-Ko-Pah, Jac	31.22	308	P	P	19 20 23.0 +0.8
FRNY	Flint Rock	31.23	319	eP	P	19 20 24.0 +1.1
Q16A	Castle Valley	31.34	322	eP	P	19 20 24.7 +1.4
ORIO	Orleans, Innes	31.34	16	P	P	19 20 23.5 +0.6
LBNH	Lisbon	31.36	21	eP	P	19 20 25.4 +2.3
LBNH	Lisbon	31.36	21	eP	P	19 20 25.5 +2.3
LBNH	Lisbon	31.36	21	P	P	19 20 24.4 +1.2
MTPU	Mount Pierson	31.38	320	eP	P	19 20 24.9 +1.0
D41A	Chassel	31.39	358	eP	P	19 20 23.9 +0.5
D41A	Chassel	31.39	358	P	P	19 20 22.7 -0.6
E52A	Mattawa	31.42	11	P	P	19 20 24.3 +0.7
PTGA	Pittinga	31.43	119	eP	P	19 20 24.4 +0.3
PTGA				LR	LR	
PTGA	Pittinga	31.43	119	eP	P	19 20 25.3 +1.2
P17A	Butcher Ranch,	31.45	324	eP	P	19 20 25.6 +1.3
F55A	Otter Lake	31.49	15	P	P	19 20 24.9 +0.6
E51A	G1948 Merrick	31.50	10	P	P	19 20 24.8 +0.4
D47A	Chapleau	31.55	5	P	P	19 20 24.7 -0.1
MONP2	Monument Peak	31.56	308	P	P	19 20 27.8 +2.4
TMUT	Trail Mountain	31.61	323	eP	P	19 20 28.2 +2.4
K22A	Casper	31.64	332	eP	P	19 20 26.9 +1.0
K22A	Casper	31.64	332	P	P	19 20 27.4 +1.4
ALFO	Alfred	31.68	17	P	P	19 20 27.1 +1.2
MSU	Marysvale	31.68	321	eP	P	19 20 28.2 +1.9
MSU	Marysvale	31.68	321	eP	P	19 20 28.2 +1.9
SZCU	Shurtz Canyon	31.68	319	eP	P	19 20 28.8 +2.4
E53A	Dumoine, Ponti	31.70	13	P	P	19 20 26.3 +0.1
BELC	Belle Mtn. Jos	31.75	311	P	P	19 20 28.8 +1.8
D48A	Paudash Townsh	31.80	7	P	P	19 20 26.1 -0.9
RSSD	Black Hills	31.82	337	eP	P	19 20 28.5 +1.0
RSSD	Black Hills	31.82	337	eP	P	19 20 28.5 +1.0
RSSD	Black Hills	31.82	337	P	P	19 20 29.1 +1.5
CCUT	Cedar City	31.83	318	eP	P	19 20 28.9 +1.3
E54A	Lac Daplat, P	31.86	13	P	P	19 20 28.4 +0.8
GMRC	Granite Mounta	31.88	312	P	P	19 20 29.6 +1.5
TCRU	Three Creeks R	31.90	321	eP	P	19 20 24.5 -3.8
PFO	Pinyon Flats O	31.91	310	eP	P	19 20 29.9 +1.6
PFO				LR	LR	
PFO	Pinyon Flats O	31.91	310	eP	P	19 20 29.9 +1.6
PFO				MLR	MLR	
PFO	Pinyon Flats O	31.91	310	P	P	19 20 30.1 +1.8
D51A	Lot 18 Range I	32.06	10	P	P	19 20 29.5 +0.2
1059	Camp Elliot, M	32.08	308	P	P	19 20 30.8 +1.1
D52A	ZEK Kipawa Sen	32.13	11	P	P	19 20 30.9 +1.0
MOQ	Mont Ord	32.19	20	eP	P	19 20 30.9 +0.4
C40A	Isle Royale Na	32.28	358	eP	P	19 20 31.4 +0.3
TRQ	Mont Tremblant	32.31	17	eP	P	19 20 33.0 +1.4
MPU	Maple Canyon	32.33	324	eP	P	19 20 33.3 +1.3

HEC	Hector,Ludlow	32.39	312	P	P	19 20 34.3 +1.9
TUQ	Turquoise Moun	32.40	313	P	P	19 20 34.2 +1.6
SHPR	Sheep Range	32.42	315	eP	P	19 20 33.9 +1.0
EYMN	Ely	32.45	355	eP	P	19 20 32.3 -0.4
EYMN				LR	LR	
EYMN	Ely	32.45	355	P	P	19 20 31.6 -1.1
MURC	Murkota	32.46	309	P	P	19 20 34.6 +1.6
WVL	Waterville	32.47	24	eP	P	19 20 33.6 +0.7
NLU	North Lily Min	32.54	323	eP	P	19 20 34.9 +0.9
BBRC	Big Bear Solar	32.55	310	eP	P	19 20 35.6 +1.5
JLU	Jordanelle	32.62	325	eP	P	19 20 35.2 +0.6
D54A	Lac Fusel, L	32.66	13	P	P	19 20 35.6 +1.0
PSUT	Pine Spring	32.72	319	eP	P	19 20 37.8 +2.3
CTU	Camp Tracy	32.85	324	eP	P	19 20 37.8 +1.2
SHOC	Shoshone, Teco	32.88	313	P	P	19 20 38.3 +1.6
RRX	Edwin Barstow	32.89	311	P	P	19 20 38.8 +2.1
TCUT	Toone Canyon	32.95	325	eP	P	19 20 38.6 +1.1
GSC	Goldstone, Bar	32.96	312	eP	P	19 20 38.1 +0.7
GSC	Goldstone, Bar	32.96	312	eP	P	19 20 38.1 +0.7
GSC				pmx	pmx	
GSC	Goldstone, Bar	32.96	312	P	P	19 20 38.7 +1.2
BFSO	Mount Baldy Ra	33.08	310	P	P	19 20 39.2 +0.5
DUG	Dugway, Toeole	33.13	323	eP	P	19 20 39.8 +0.8
DUG	Dugway, Toeole	33.13	323	eP	P	19 20 39.8 +0.8
DUG				LR	LR	
DUG	Dugway, Toeole	33.13	323	eP	P	19 20 39.8 +0.8
DUG				pmx	pmx	
DUG	Dugway, Toeole	33.13	323	P	P	19 20 41.2 +2.3
PD31	Pinedale Array	33.16	329	eP	P	19 20 39.4 +0.1
PDAR	Pinedale Array	33.16	329	eP	P	19 20 40.8 +1.5
PDAR				PcP	PcP	19 23 22.5 +0.2
BW06	Boulder Array	33.16	329	eP	P	19 20 39.4 0.0
BW06				LR	LR	
BW06	Boulder Array	33.16	329	P	P	19 20 40.2 +0.9
PKME	Peaks-Kenny Pk	33.20	23	eP	P	19 20 40.4 +1.5
PKME				LR	LR	
PKME	Peaks-Kenny Pk	33.20	23	P	P	19 20 41.1 +1.8
SCI2	San Clemente I	33.22	307	P	P	19 20 42.5 +2.9
CIS	Catalina Islan	33.29	308	P	P	19 20 40.6 +0.3
FMP	Fort Macarthur	33.33	308	P	P	19 20 41.2 +0.6
HWUT	Hardware Ranch	33.37	326	eP	P	19 20 42.7 +1.6
HWUT				LR	LR	
MWC	Mount Wilson	33.37	309	eP	P	19 20 41.7 +0.5
MWC	Mount Wilson	33.37	309	eP	P	19 20 41.7 +0.5
MWC				pmx	pmx	
AGMN	Agassiz Natn	33.38	349	eP	P	19 20 40.4 -0.4
AGMN				LR	LR	
AGMN	Agassiz Natn	33.38	349	P	P	19 20 40.4 -0.4
VLDQ	Val Or	33.40	12	eP	P	19 20 41.8 +0.8
EMMW	East Machias	33.48	26	eP	P	19 20 42.4 +0.7
FURC	Furnace Creek,	33.57	314	P	P	19 20 43.5 +0.9
DECC	Green Verdugo	33.59	309	P	P	19 20 43.7 +0.8
EDW2	Edwards Air Fo	33.62	311	P	P	19 20 44.7 +1.5
SPUT	South Promonto	33.66	325	eP	P	19 20 44.5 +0.9
LRMC	Laurel Mtn Rad	33.67	312	eP	P	19 20 45.7 +2.0
R11A	Troy Canyon, C	33.72	318	P	P	19 20 45.6 +1.4
R11A	Troy Canyon, C	33.72	318	P	P	19 20 46.6 +2.4
BGU	Big Grassy Moun	33.73	324	eP	P	19 20 44.5 +0.3
MDND	Maddock	33.75	345	eP	P	19 20 44.3 +0.2
MDND	Maddock	33.75	345	P	P	19 20 43.5 -0.5
MPMC	Manual Propsec	33.81	313	P	P	19 20 46.2 +1.2
LATQ	La Tuque	33.87	18	P	P	19 20 46.2 +1.1
AHID	Auburn Hatcher	33.94	328	eP	P	19 20 47.4 +1.3
AHID				LR	LR	
DAC	Darwin (Calif)	33.99	313	eP	P	19 20 47.3 +0.7
DAC	Darwin (Calif)	33.99	313	eP	P	19 20 47.3 +0.7
DAC				pmx	pmx	
GGN	Saint George	34.07	26	eP	P	19 20 48.6 +1.8
BLG	Laguna Peak, P	34.08	309	P	P	19 20 48.8 +1.6
SNCO	San Nicolas Is	34.08	307	P	P	19 20 47.5 +0.3
HVU	Hansel Valley	34.15	325	eP	P	19 20 49.2 +1.3
HVU	Hansel Valley	34.15	325	eP	P	19 20 49.2 +1.3
HVU				pmx	pmx	
GRAC	Grapevine Rang	34.19	314	P	P	19 20 49.8 +1.6
REDW	Red Top Meadow	34.24	329	eP	P	19 20 48.6 -0.1
SNOW	Snow King Moun	34.27	329	eP	P	19 20 49.7 +0.7
LOHW	Long Hollow	34.30	329	eP	P	19 20 50.0 +0.8
ISA	Isabella, Lake	34.33	311	eP	P	19 20 50.4 +1.1
ISA	Isabella, Lake	34.33	311	eP	P	19 20 50.4 +1.1
ISA				pmx	pmx	
ISA	Isabella, Lake	34.33	311	P	P	19 20 51.3 +2.0
ARVC	Arvin	34.34	310	P	P	19 20 51.4 +2.0
TPAW	Teton Pass	34.39	329	eP	P	19 20 51.2 +1.2
LSQQ	Lebel-sur-Quev	34.40	12	P	P	19 20 50.3 +0.6
CWC	Cottonwood Cre	34.41	313	P	P	19 20 50.6 +0.4
MOOW	Moose Ponds	34.47	329	eP	P	19 20 51.1 +0.4
FWXY	Fox Creek	34.53	329	eP	P	19 20 52.4 +1.2

IMW	Indian Meadow	34.68	329	eP	P	19 20 53.8 +1.2
FLWY	Flagg Ranch	34.70	330	eP	P	19 20 54.2 +1.6
SBC	Santa Barbara	34.70	309	P	P	19 20 54.4 +1.9
RLMT	Red Lodge	34.81	332	eP	P	19 20 54.6 +1.0
RLMT				LR	LR	
RLMT	Red Lodge	34.81	332	P	P	19 20 54.7 +1.0
LAO	Las Arroy	34.81	337	eP	P	19 20 54.2 +0.8
LAO				LR	LR	
LAO	Las Arroy	34.81	337	P	P	19 20 54.6 +1.2
TIN	Tinemaha, Big	34.82	314	P	P	19 20 55.1 +1.5
VES	Vestal, Richgr	34.85	311	P	P	19 20 55.5 +2.1
PQI	Presque Isle	34.86	23	eP	P	19 20 55.8 +1.7
H17A	Grant Village	34.87	330	eP	P	19 20 56.6 +2.5
H17A	Grant Village	34.87	330	P	P	19 20 56.0 +1.8
YPP	Pitchstone Pla	34.89	330	eP	P	19 20 56.5 +2.1
LKWY	Lakeview	34.91	331	eP	P	19 20 56.7 +2.2
LKWY				LR	LR	

WVOR	Wild Horse Val	37.97 321	eP	P	19 21 22.0 +1.5
WVOR	Wild Horse Val		LR	LR	
WVOR	Wild Horse Val	37.97 321	eP	P	19 21 22.0 +1.5
WVOR	Wild Horse Val		pmx	pmx	
WVOR	Wild Horse Val		MLR	MLR	
MSO	Missoula	38.26 330	eP	P	19 21 23.9 +1.0
MSO	Missoula	38.26 330	eP	P	19 21 24.2 +1.4
ORV	Oroville	38.28 315	eP	P	19 21 25.0 +2.0
ORV	Oroville	38.28 315	eP	P	19 21 25.0 +2.0
ORV	Oroville		pmx	pmx	
J08A	Circle Bar Ran	38.41 322	eP	P	19 21 26.2 +2.0
MMNC	Minye Minye	38.62 153	eP	P	19 21 27.4 +1.1
MMNC	Minye Minye	38.62 153	iP	P	19 21 27.9 +1.5
BMO	Blue Mountains	38.66 325	eP	P	19 21 27.2 +0.9
BMO	Blue Mountains		LR	LR	
BMO	Blue Mountains	38.66 325	eP	P	19 21 27.2 +0.9
BMO	Blue Mountains		pmx	pmx	
BMO	Blue Mountains		MLR	MLR	
MOD	Modoc Plateau	38.70 319	eP	P	19 21 27.8 +1.1
O03E	Paynes Creek	38.84 316	eP	P	19 21 28.5 +0.6
PB11	IPOC Station P	39.15 153	eP	P	19 21 31.0 +0.4
PB11	IPOC Station P	39.15 153	iP	P	19 21 31.4 +0.8
PB11	IPOC Station P		IAmb	IAmb	
GO01	Chusmiza	39.27 153	eP	P	19 21 32.6 +0.6
F10A	Beach Ranch, E	39.34 327	eP	P	19 21 33.2 +1.3
I07A	Izeze	39.44 323	eP	P	19 21 34.1 +1.3
O02D	Mt. Diablo Mer	39.45 315	eP	P	19 21 34.3 +1.4
K05A	Summer Lake	39.51 320	eP	P	19 21 34.8 +1.3
M04C	Macdoel	39.61 318	eP	P	19 21 35.5 +1.2
PB08	IPOC Station P	39.70 153	iP	P	19 21 36.9 +1.4
PB08	IPOC Station P		IAmb	IAmb	
KCPM	Cahto Peak	39.76 314	eP	P	19 21 36.5 +0.8
N02D	Trinity Center	39.77 317	eP	P	19 21 35.3 -0.3
G08A	Pilot Rock	39.85 325	eP	P	19 21 36.3 +0.1
WALA	Waterton Lakes	39.87 333	eP	P	19 21 37.3 +1.0
K04D	Chiloquin, OR	39.99 319	eP	P	19 21 37.5 +0.1
J05D	Fort Rock, OR	40.02 321	eP	P	19 21 38.1 +0.3
M02C	Callahan	40.07 317	eP	P	19 21 38.5 +0.4
KMRM	Mali Ridge	40.09 315	eP	P	19 21 39.2 +0.9
PINE	Pine Mountain	40.12 321	eP	P	19 21 39.8 +1.2
L04D	Klamath Falls	40.13 318	eP	P	19 21 39.1 +0.5
YBH	Yreka Blue Hor	40.15 318	LR	LR	19 42 47.4
YBH	Yreka Blue Hor	40.15 318	LR	LR	19 21 38.8 +0.1
YBH	Yreka Blue Hor	40.15 318	eP	P	19 21 38.8 +0.1
YBH	Yreka Blue Hor		pmx	pmx	
E09A	Wood Farm, Sta	40.17 327	eP	P	19 21 39.6 +0.8
PB01	IPOC Station P	40.36 154	eP	P	19 21 41.2 +0.6
PB01	IPOC Station P	40.36 154	iP	P	19 21 41.7 +1.1
PB01	IPOC Station P		IAmb	IAmb	
KHMM	Horse Mountain	40.41 316	eP	P	19 21 42.0 +1.1
PB02	IPOC Station P	40.43 155	iP	P	19 21 42.3 +1.1
PB02	IPOC Station P		IAmb	IAmb	
J04D	Umpqua Nationa	40.54 320	eP	P	19 21 42.6 +0.5
JCC	Jacoby Creek	40.58 316	eP	P	19 21 44.1 +1.9
E08A	Dider Farm, El	40.65 326	eP	P	19 21 43.0 +0.3
I05D	Terrebonne, OR	40.67 322	eP	P	19 21 44.0 +0.1
FFC	Flin Flon	40.69 347	eP	P	19 21 43.2 +0.3
FFC	Flin Flon		LR	LR	
FFC	Flin Flon	40.69 347	eP	P	19 21 43.2 +0.3
FFC	Flin Flon		pmx	pmx	
FFC	Flin Flon		MLR	MLR	
HUM0	Hull Mountain	40.74 319	eP	P	19 21 43.9 +0.4
G06A	Carlson Farm,	40.77 323	eP	P	19 21 44.0 +0.3
PB07	IPOC Station P	40.80 155	iP	P	19 21 45.5 +1.1
PB07	IPOC Station P		IAmb	IAmb	
NEW	Newport	40.81 329	eP	P	19 21 45.4 +1.4
NEW	Newport		LR	LR	
NEW	Newport	40.81 329	eP	P	19 21 45.4 +1.4
NEW	Newport		pmx	pmx	
NEW	Newport		MLR	MLR	
NEW	Newport	40.81 329	eP	P	19 21 45.0 +0.9
HAWA	Hanford	40.84 326	eP	P	19 21 45.5 +1.2
HAWA	Hanford		LR	LR	
D08A	Wollman Farm,	40.93 327	eP	P	19 21 46.4 +1.4
L02E	Cave Junction	40.94 318	eP	P	19 21 45.5 +0.4
I04A	Tendick Farm,	41.02 320	eP	P	19 21 46.7 +0.8
C09A	Christmas Ranch	41.07 328	eP	P	19 21 47.9 +1.7
E07A	Sunnyside	41.12 326	eP	P	19 21 48.0 +1.4
PB09	IPOC Station P	41.13 154	iP	P	19 21 48.5 +1.4
PB03	IPOC Station P	41.14 155	iP	P	19 21 48.3 +1.1
PB03	IPOC Station P		IAmb	IAmb	
G05D	Wamic, OR	41.16 323	eP	P	19 21 48.6 +1.6
PB04	IPOC Station P	41.24 156	eP	P	19 21 48.8 +0.8
PB04	IPOC Station P	41.24 156	iP	P	19 21 49.1 +1.1
K02D	Willamette Mer	41.24 318	eP	P	19 21 48.3 +0.6
H04A	Detroit Lake	41.36 322	eP	P	19 21 50.2 +1.6
DRLN	Deer Lake	41.38 29	eP	P	19 21 49.5 +0.8
I03D	Drain, OR	41.55 320	eP	P	19 21 50.6 +0.5
H04D	Lebanon	41.61 321	eP	P	19 21 51.2 +0.6
F05D	White Salmon	41.62 324	eP	P	19 21 53.0 +2.4
J01E	Myrtle Point	41.64 319	eP	P	19 21 52.3 +1.4

KEBM	Edson Butte	41.76 318	eP	P	19 21 54.0 +2.0
B08A	Colville Reser	41.98 328	eP	P	19 21 55.0 +1.3
LTY	Liberty	41.99 326	eP	P	19 21 54.9 +1.1
LVC	Limon Verde	41.99 154	eP	P	19 21 55.2 +0.9
LVC	Limon Verde		LR	LR	
LVC	Limon Verde	41.99 154	iP	P	19 21 55.9 +1.5
LVC	Limon Verde		IAmb	IAmb	
LVC	Limon Verde	41.99 154	eP	P	19 21 55.2 +0.9
LVC	Limon Verde		pmx	pmx	
LVC	Limon Verde		MLR	MLR	
LVC	Limon Verde	41.99 154	eP	P	19 21 53.5 -0.9
I02D	Swisshome	42.07 320	eP	P	19 21 56.2 +1.8
PB10	IPOC Station P	42.15 157	eP	P	19 21 55.8 +0.6
PB10	IPOC Station P	42.15 157	iP	P	19 21 56.4 +1.2
SCHO	Schefferville	42.21 17	eP	P	19 21 56.0 +0.5
SCHO	Schefferville		PcP	PcP	
SCHO	Schefferville	42.21 17	eP	P	19 23 49.5 +0.1
SCHO	Schefferville		LR	LR	
SCHO	Schefferville	42.21 17	eP	P	19 21 55.8 +0.4
SCHO	Schefferville		PcP	PcP	
SCHO	Schefferville	42.21 17	eP	P	19 23 49.5 +0.1
SCHO	Schefferville		PcP	PcP	
PB15	IPOC Station P	42.29 155	iP	P	19 21 57.1 +0.5
PB15	IPOC Station P		IAmb	IAmb	
LON	Longmire	42.32 325	eP	P	19 21 58.2 +1.8
LON	Longmire		pmx	pmx	
LON	Longmire	42.32 325	eP	P	19 21 59.1 +1.1
C06D	Leavenworth	42.52 326	eP	P	19 21 58.7 -0.2
F04D	Rainier, OR	42.62 323	eP	P	19 21 59.5 +0.6
E04D	Cinebar	42.63 324	eP	P	19 22 01.1 +1.9
D05A	Enumclaw	42.67 325	eP	P	19 22 04.3 +3.5
F03A	Seaside	42.86 323	eP	P	19 22 01.3 +3.5
D04E	Lakebay	43.04 324	eP	P	19 22 03.2 +0.5
YJA	Yavi	43.14 150	iP	P	19 22 04.1 +0.3
YJA	Yavi		IAmb	IAmb	
B06A	Marblemount	43.19 327	eP	P	19 22 04.5 +1.1
PB14	Bryant	43.21 157	iP	P	19 22 05.1 +0.9
B05A	Bryant	43.27 326	eP	P	19 22 05.1 +0.2
D03D	Eldon	43.48 325	eP	P	19 22 06.2 +0.4
NLWA	Neilton Lookou	43.84 324	eP	P	19 22 10.9 +2.2
NLWA	Neilton Lookou		LR	LR	
A04D	Lumil Island	43.96 326	eP	P	19 22 10.3 +0.7
GO02	Mina Guanaco	44.01 157	eP	P	19 22 11.3 +0.7
HJA	Humahuaca	44.07 151	iP	P	19 22 12.3 +1.1
HJA	Humahuaca		IAmb	IAmb	
LLBL	Lillooet	44.69 329	eP	P	19 22 17.1 +1.6
AZAP	Zapla	45.10 151	iP	P	19 22 19.7 +0.4
AZAP	Zapla		IAmb	IAmb	
SLA	San Lorenzo	45.33 152	iP	P	19 22 21.8 +0.8
SLA	San Lorenzo		IAmb	IAmb	
GO03	Copiap	45.98 159	eP	P	19 22 26.2 +0.2
GO03	Copiap	45.98 159	iP	P	19 22 26.6 +0.5
FSA	Cafayete	46.32 153	eP	P	19 22 28.9 +0.1
LCO	Las Campanas	47.13 160	eP	P	19 22 35.7 +0.5
LCO	Las Campanas		LR	LR	
LCO	Las Campanas	47.13 160	eP	P	19 22 36.0 +0.8
LCO	Las Campanas		IAmb	IAmb	
LCO	Las Campanas	47.13 160	eP	P	19 22 36.9
LCO	Las Campanas		pmx	pmx	
LCO	Las Campanas	47.13 160	eP	P	19 22 35.7 +0.5
LCO	Las Campanas		MLR	MLR	
LCO	Las Campanas	47.13 160	eP	P	19 22 33.2 -2.1
AHML	Horco Molle	47.19 153	iP	P	19 22 35.9 +0.4
AHML	Horco Molle		IAmb	IAmb	
AQDB	Aquidauana	47.36 138	eP	P	19 22 34.6 -2.2
GO04	Tololo Observa	48.18 161	eP	P	19 22 43.6 +0.3
GO04	Tololo Observa	48.18 161	iP	P	19 22 44.0 +0.7
AGUA	GUANDACOL	48.33 158	iP	P	19 22 45.5 +1.1
CYA	Choya	48.44 155	iP	P	19 22 45.1 -0.1
CYA	Choya		IAmb	IAmb	
AROD	Rodeo	48.61 159	iP	P	19 22 48.4 +1.7
AROD	Rodeo		IAmb	IAmb	
ACDV	Cuesta del Vie	48.73 159	iP	P	19 22 49.2 +1.7
ACDV	Cuesta del Vie		IAmb	IAmb	
ACLCL	CERRO LA CRUZ	48.85 156	iP	P	19 22 48.3 -0.1
ACLCL	CERRO LA CRUZ		IAmb	IAmb	
ACCO	Cerro Coronel	49.13 159	iP	P	19 22 51.5 +0.7
ACCO	Cerro Coronel		IAmb	IAmb	
BDFB	Brasilia	49.62 127	eP	P	19 22 53.0 -1.5
BDFB	Brasilia		LR	LR	
BDFB	Brasilia	49.62 127	eP	P	19 24 16.6 +0.6
BDFB	Brasilia		LR	LR	
AMOC	MOGNA	49.65 159	iP	P	19 22 55.0 +0.6
AMOC	MOGNA		IAmb	IAmb	
APLL	PUNTA DE LOS L	49.88 156	iP	P	19 22 55.9 -0.3
APLL	PUNTA DE LOS L		IAmb	IAmb	
RTLS	Leoncito	50.16 160	iP	P	19 22 56.6 +1.1
RTLS	Leoncito		IAmb	IAmb	
ITRB	Iturama	50.44 133	eP	P	19 22 59.0 -1.6
RTOCV	Cerro Valdivia	50.48 159	iP	P	19 23 01.3 +0.7
RTOCV	Cerro Valdivia		IAmb	IAmb	
AUSP	Yspallata	50.53 160	iP	P	19 23 02.6 +1.3
YKA	Yellownife Ar	50.66 344	eP	P	19 23 02.1 +0.6
YKA	Yellownife Ar		PcP	PcP	
YKA	Yellownife Ar	50.66 344	eP	P	19 24 19.2 +0.3
YKA	Yellownife Ar		LR	LR	
YKA	Yellownife Ar	50.66 344	eP	P	19 23 00.9 -0.6
YKB5	Yellownife Ar	50.72 344	eP	P	19 24 19.3 +0.4
YKW3	Yellownife Ar	50.72 344	eP	P	19 23 02.4 +0.4
ROCI	El Roble	50.72 162	eP	P	19 23 02.2 -0.5
ROCI	El Roble		IAmb	IAmb	
ROCI	El Roble	50.72 162	iP	P	19 23 02.9 +0.2
CPUP	Villa Florida	50.81 145	eP	P	19 23 00.6 -2.6
CPUP	Villa Florida		PcP	PcP	
CPUP	Villa Florida	50.81 145	eP	P	19 24 20.8 +0.8
CPUP	Villa Florida		LR	LR	
CPUP	Villa Florida	50.81 145	eP	P	19 48 12.5
CPUP	Villa Florida		PcP	PcP	
CPUP	Villa Florida	50.81 145	eP	P	19 23 00.6 -2.6
CPUP	Villa Florida		PcP	PcP	
CPUP	Villa Florida	50.81 145	eP	P	19 23 00.6 -2.6
CPUP	Villa Florida		PcP	PcP	
CPUP	Villa Florida	50.81 145	eP	P	19 23 01.0

CPUP	Villa Florida	50.81 145	eP	P	19 23 01.0
CPUP	Villa Florida		P	P	
TRCB	Terra Rica	51.00 138	eP	P	19 23 01.9 -2.9
ASAL	Salagasta	51.04 160	iP	P	19 23 06.1 +1.1
ASAL	Salagasta		IAmb	IAmb	
ARCO	CERRO ARCO	51.24 160	iP	P	19 23 07.5 +0.9
ARCO	CERRO ARCO		IAmb	IAmb	
TCA	Tanti	51.48 155	iP	P	19 23 07.4 -0.8
TCA	Tanti		IAmb	IAmb	
AAGR	Agrelo	51.50 160	iP	P	19 23 09.1 +0.7
AAGR	Agrelo		IAmb	IAmb	
MRA	San Martin	51.99 157	iP	P	19 23 11.3 -0.8
MRA	San Martin		IAmb	IAmb	
JANB	Januaria	52.19 124	eP	P	19 23 12.7 -1.



Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like Tiksi, Tamitsa, Kalwaria Pacia, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like Talaya, Matushiro, Kurchatov, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like Alice Springs, Chiang Mai, Mahe Island, etc.







KLV	comp=N,1306µm,0.5s	AML	AML	19 28 20.2			
KLV	comp=E,1294µm,0.6s	AML	AML	19 28 20.3			
PTL	Penteli	1.68	24	P	Sb	19 27 52.3 +1.5	
GVD	Gavdhos	1.89	152	P	Pb	19 27 58.1 +1.6	
SAP3	Santorini-Thir	1.89	92	P	Pn	19 27 55.5 +1.8	
THRS	Thira Island,	1.90	92	P	Pn	19 27 55.4 +1.7	
THN	Thira Island,	1.94	92	P	Pn	19 27 56.1 +1.8	
CMBO	Columbo, Santo	1.94	90	P	Pn	19 27 56.1 +1.8	
THR6	Thira Island,	1.94	94	P	Pn	19 27 56.1 +1.8	
IDI	Anoyia	1.96	128	Pn	Pn	19 27 55.5 +0.8	
IDI	comp=E,8.6nm,0.3s,baz=293,slow=1.0,SNR=81					19 28 18.9 +0.3	
THR2	Thira Island,	1.96	91	P	Pn	19 27 56.4 +1.7	
SANT	Santorini	1.99	93	P	Pn	19 27 56.5 +1.5	
SANT	Santorini	1.99	93	P	Pn	19 27 56.8 +1.8	
AREA	Ererira	2.00	21	P	Pn	19 27 57.4 +1.6	
APE	Apeiranthos	2.11	94	P	Pn	19 27 58.1 +1.4	
APE	Apeiranthos	2.11	74	P	Pn	19 27 59.1 +1.2	
APE	Apeiranthos	2.11	74	P	Pn	19 27 59.1 +1.2	
MRKA	Markates	2.24	12	P	Pn	19 28 00.1 +1.6	
LAST	Lasithi	2.42	123	P	Pn	19 28 02.5 +1.4	
NPS	Nesoplos	2.46	120	P	Pn	19 28 03.1 +1.6	
AGG	Agios Georgios	2.56	348	P	Pn	19 28 05.4 +2.5	
AOS	Alonissos	2.75	14	P	Pn	19 28 06.8 +1.4	
XEO	Neokhori	2.80	4	P	Pn	19 28 07.5 +1.4	
XOR	Xorichti	2.85	3	P	Pn	19 28 08.5 +1.6	
ZKR	Zakros	2.96	117	eP	Pb	19 28 12.6 -2.3	
URLA	Izmiri	3.41	56	eP	Pn	19 28 15.5 +1.0	
KARP	Karpathos	3.51	105	eP	Pn	19 28 17.9 +2.0	
SIGR	SIGRI	3.52	39	eP	Pn	19 28 17.4 +1.4	
STIP	Stip	5.21	353	iP	Pn	19 28 39.9 +0.6	
TIP	Tipamgrande	5.61	300	iP	Pn	19 28 47.2 +2.4	
FASA	Fasano	6.16	316	eP	Pn	19 28 52.7 +0.4	
MASS	Massara	6.19	314	eP	Pn	19 28 54.4 +2.1	
SG1	Sgolgore (BA)	6.57	313	eP	Pn	19 29 00.0 +2.1	
BARI	Bari	6.62	316	eP	Pn	19 29 00.4 +1.7	
MMAI	Mount Meron Ar	10.78	105	eP	Pn	19 29 55.0 -0.8	
MMAI	comp=E,0.8nm,0.3s,baz=306,slow=1.1,SNR=51					19 31 50.6 -5.2	
EIL	Eilat	12.12	121	Pn	Pn	19 30 11.6 -2.5	
EIL	comp=E,0.5nm,0.3s,baz=313,slow=1.6,SNR=6					19 32 20.7 -7.8	
GERES	GERES Array B	14.08	334	Pn	P	19 30 47.3 -1.1	
MKAR	Makanchi Array	44.51	57	eP	P	19 35 32.6 +0.2	
ZALV	Zalesovo Beam	45.35	47	P	P	19 35 40.1 +1.1	
SONM	Songino Array	59.99	51	P	P	19 37 29.7 +2.2	
SONM	comp=E,0.2nm,0.6s,baz=289,slow=4.4,SNR=2.0						

IDD 10 19:41:53.8±0.7,28°29'N-51°72'E,h0km,mb3.9/19,  
mb1.4/1.23,mb1mx4.0/42,mbtmp3.9/23,ML3.5/4,Error  
ellipse: s-maj=18.0km s-min=14.9km az=20.0

ISCJB 10 19:41:56.2±0.3,28°33'N-0°02'51"E,0.0/4,h24km,  
mb4.0/26,Error ellipse: s-maj=5.1km s-min=2.4km  
az=150.4

TEH 10 19:41:57.4,28°45'N-51°67'E,h20km,ML4.2  
THR 10 19:41:57.5,28°45'N-51°55'E,h30km,ML3.9  
NEIC 10 19:41:58.2±0.0,28°46'N-51°73'E,h19km,mb4.1/7,  
MN4.0(TEH),After TEH

DSN 10 19:42:00.6±1.1,28°46'N-52°07'E,h10km,ML3.9/9,Error  
ellipse: s-maj=20.5km s-min=5.4km az=16.0

OMAN 10 19:42:01.4±0.4,28°02'N-51°57'E,h19km,ml4.2/9,Error  
ellipse: s-maj=12.8km s-min=4.7km az=32.0

ISC 10 19:41:57.8±0.5,28°38'N-0°05'51"E,0.0/5,h24km,n121,  
r=137/140,mb4.0/26,2C,Southern Iran

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
GHIR	Ghir-Karzin	1.20	94	eP	Pb	19 42 21.0 +1.0	
GHIR	Ghir-Karzin	1.20	94	eAML	AML	19 42 46.2	
GHIR	Ghir-Karzin	1.20	94	eP	Pb	19 42 21.0 +1.0	
GHIR	Ghir-Karzin	1.20	94	eP	Pb	19 42 22.0 +0.0	
IKAZ	Kazeroun	1.41	8	eP	Pn	19 42 22.0 -0.2	
IKAZ				IAMB	IAMB	19 42 51.5	
SHI	Shiraz	1.48	31	eP	Pn	19 42 24.2 +1.0	
SHI				eSg	Sb	19 42 25.0 +0.7	
SHI				eP	Pn	19 42 45.5	
ISRV	Sarvestan	1.64	52	eP	Pn	19 42 26.4 +0.9	
ISRV				IAMB	IAMB	19 43 00.8	
JHRM	Jahrom	1.72	85	eP	Pn	19 42 27.6 +1.2	
JHRM				IAMB	IAMB	19 43 02.0	
IPAR	Pars	1.92	40	eP	Pn	19 42 30.7 +1.4	
IPAR				IAMB	IAMB	19 43 03.0	
IRAM	Ramesheh	3.48	11	eP	Pn	19 42 51.3 +0.5	
IRAM				IAMB	IAMB	19 44 04.7	
JHAD	Jahran bid	3.93	348	eP	Pn	19 42 58.2 +1.2	
ISAD	Sadabud	3.95	26	eP	Pn	19 42 59.0 +1.8	
ISAD				IAMB	IAMB	19 43 05.1	
IMEH	Mehriz	3.97	40	eP	Pn	19 42 59.7 +2.3	
IMEH				IAMB	IAMB	19 43 05.2	
ROKH	ROKH	3.99	353	eP	Pn	19 42 59.3 +1.6	
IGAR	Garnah	4.03	5	eP	Pn	19 42 59.2 +0.9	
IGAR				IAMB	IAMB	19 43 01.6	
BNDS	Bandar-Abbas	4.14	103	eAML	AML	19 43 50.9	
GENO	Geno	4.14	103	eP	Pn	19 43 00.6 +0.9	
IPHR	Pirpir	4.34	352	eP	Pn	19 43 03.3 +0.7	
ICHK	Chekchek	4.54	31	eP	Pn	19 43 06.1 +1.5	
ICHK				IAMB	IAMB	19 44 03.8	
IZEF	Zefreh	4.54	7	eP	Pn	19 43 06.1 +0.7	
SHME	Shamm	4.64	119	iP	Pn	19 43 06.8 +0.3	
SHME				S	Sn	19 43 58.5 -1.1	
SHME	Shamm	4.64	119	eP	Pn	19 43 07.3 +0.8	
NGRK	Negar Kerman	4.64	73	eP	Pn	19 43 07.5 +0.6	
KHGB	Koh Gabri	4.68	64	eP	Pn	19 43 08.1 +0.9	
NIAN	Nian	4.68	99	eP	Pn	19 43 08.1 +0.9	
YZKH	Yazd	4.75	32	eP	Pn	19 43 09.3 +1.3	
YZKH	Yazd	4.75	32	eP	Pn	19 43 09.3 +1.3	
KRRB	Kerman	4.77	69	eP	Pn	19 43 10.3 +1.9	
KRRB	Kerman	4.77	69	eP	Pn	19 43 10.3 +1.9	
AJN	Ajnan	4.85	141	eP	Pn	19 43 11.7 +2.4	
AJN	Ajnan	4.85	141	eP	Pn	19 43 11.7 +2.4	
IKLH	Kolahrood	4.93	360	eP	Pn	19 43 11.2 +0.6	
IKLH				IAMB	IAMB	19 44 48.9	
NAZ	Naqwa, Dubai	4.94	132	iP	Pn	19 43 12.5 +1.9	
NAZ	Naqwa, Dubai	4.94	132	iP	Pn	19 43 12.6 +2.0	
NAZ	Naqwa, Dubai	4.94	132	iP	Pn	19 44 07.9 +0.9	
NAZ	Naqwa, Dubai	4.94	132	iP	Pn	19 44 13.2 +0.9	
ASUD	AI Ashush, Dub	5.00	138	P	Pn	19 43 13.8 +2.1	
ASUD	AI Ashush, Dub	5.00	138	P	Pn	19 43 13.8 +2.5	
MSFE	Esmā-Masafi	5.04	126	iP	Pn	19 43 12.8 +0.8	
MSFE	Esmā-Masafi	5.04	126	eP	Pn	19 43 13.1 +1.1	
FAQ	AI Faqa, Dubai	5.07	135	iP	Pn	19 43 13.9 +1.6	
FAQ	AI Faqa, Dubai	5.07	135	iP	Pn	19 43 14.1 +1.8	
FAQ				P	Pn	19 43 14.2 +1.8	
FAQ				S	Sn	19 44 11.0 +0.8	
FAQ	AI Faqa, Dubai	5.07	135	eP	Pn	19 43 13.9 +1.6	
MDH	Madha	5.18	125	iP	Pn	19 43 14.4 +0.6	

MDH	Madha	5.18	125	P	Pn	19 43 14.8 +1.0	
MDH	Madha	5.18	125	S	Sn	19 44 11.5 -1.4	
HATD	Hatta, Dubai	5.36	130	iP	Pn	19 43 14.9 +1.0	
HATD	Hatta, Dubai	5.36	130	P	Pn	19 43 17.3 +0.9	
HATD	Hatta, Dubai	5.36	130	P	Pn	19 43 18.0 +1.6	
HATD	Hatta, Dubai	5.36	130	S	Sn	19 44 18.7 +1.3	
CHMD	Cheshme madani	5.38	73	eP	Pn	19 43 18.0 +1.1	
ASHO	Ashiyah	5.41	132	iP	Pn	19 43 18.0 +0.9	
ASHO	Ashiyah	5.41	132	P	Pn	19 43 18.4 +1.3	
ASHO	Ashiyah	5.41	132	S	Sn	19 44 18.3 -0.3	
ASHO	Ashiyah	5.41	132	eP	Pn	19 43 18.3 +1.3	
KHMH	Khomeyn	5.53	345	eP	Pn	19 43 19.3 +0.4	
KHMH	Khomeyn	5.53	345	eP	Pn	19 43 19.3 +0.4	
KRSH	Karshahi	5.59	4	eP	Pn	19 43 19.3 +0.2	
ALNE	Al Ain	5.68	138	iP	Pn	19 43 22.4 +1.7	
ALNE	Al Ain	5.68	138	eP	Pn	19 43 22.5 +1.7	
ISFB	Sofhad	5.98	5	eP	Pn	19 43 24.9 0.0	
SOHO	Sohad	6.10	133	P	Pn	19 43 27.3 +0.7	
SOHO				S	Sn	19 44 35.8 +0.2	
TPRV	Parvadeh(Tabas)	6.36	42	eP	Pn	19 43 30.7 +0.5	
ARQ	Araji	6.68	138	P	Pn	19 43 35.5 +1.0	
ARQ				S	Sn	19 44 49.6 -0.3	
HOQ	Hoqain	7.00	132	P	Pn	19 43 40.3 +1.4	
HOQ				S	Sn	19 44 55.2 -2.5	
HOQ	Hoqain	7.00	132	eP	Pn	19 44 39.6 +0.4	
TNSJ	Nastaji	7.02	36	eP	Pn	19 43 40.2 +0.7	
TKDS	Koodahst(Taba)	7.04	41	eP	Pn	19 43 50.2 +1.2	
IDHR	Dehrash	7.73	326	eP	Pn	19 43 51.7 +1.1	
SMDO	Samad	7.85	31	S	Sn	19 45 17.9 -0.8	
WSAR	Wadi Sarin	8.12	127	Pn	Pn	19 45 53.4 -0.9	
WSAR	Wadi Sarin	8.12	127	Pn	Pn	19 45 17.5 -7.9	
WSAR	Wadi Sarin	8.12	127	Pn	Pn	19 43 54.1 -0.7	
WSAR	Wadi Sarin	8.12	127	Pn	Pn	19 45 22.4 -3.0	
WBK	Wadi Bani Khal	8.77	129	P	Pn	19 44 04.1 +0.8	
MHTO	MHTO	9.35	141	P	Pn	19 44 11.5 +0.4	
MHTO				S	Sn	19 45 51.6 -3.8	
JLN	Jalan Bani Buh	9.38	130	P	Pn	19 44 11.1 -0.5	
JLN				S	Sn	19 45 53.8 -2.6	
SBZV	Sabzevar	9.45	31	eP	Pn	19 44 13.4 +0.7	
ISFR	Sfrayin	10.18	30	eP	Pn	19 44 23.7 +1.0	
WHFO	Wadi Hawf	10.59	169	P	Pn	19 46 18	



10d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ANM, RDOG, Vnda, GNI, MAW, PRGR, ATD, KBZ, KIV, RC01, COLD, BCA, TOLK, VRH, ILAR, LKLMR, VSR, LPSR, TMCR, ANN, OBN, ASF, EIL, BR101, ARAD, FIAO, AKASG, KIEV, TESR, VRI, MLR, NOA, TOR, TOA1, TKL, PLCA, JTS, CPUP.

JMA 10 19:59:58.7±0.1, 24.59N±121.71E, h76km±2km, M2.8
ISCJB 10 19:59:59.6±0.3, 24.67N±0.01±1.21, 76E±0.02, h73km±2km,
Error ellipse: s-maj=2.5km s-min=2.0km az=34.4
TAP 10 20:00:00.4, 24.65N±121.73E, h64km, ML3.6, A
ISC 10 19:59:59.9±1.2, 24.67N±0.02±1.21, 75E±0.02, h71km±4km,
n124, e06/82/222, Taiwan

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TIBP, YHNB, TWA, NHDH, EOS1, TATO, TATO, TWB1, NWF, WFSB, NNSB, NNS, TAP, TWLT, WLB, YMO1, NACB, YM10, YMO7, YM11, YM04, YM05, ETLL, TWS1, YM08, YMO3, ANP, NTST, NCU, NCUH, TWD, TWY, TWT, TDCB, NSTT, WHF, WHF, HWA, SBCB, HSN, ENLB, CHGB, WHP, WHP, NMLH, OWD, ESL, NSY.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NSY, TWQ1, PTBS, PCYT, EGFH, WDJ, WDW, YWDT, YWDT, SMLT, JYNG, TCY, TYC, SSSL, SSSL, YOJ, YOJ, HGSD, HGSD, EHY, WCHH, WCHH, WNT, WNT, WJS, WJS, WHYT, WHYT, YULB, YULB, TWF1, TWF1, ALS, ALS, CHNS, CHNS, WGK, WGK, WDLH, WDLH, RLNB, RLNB, FULB, FULB, WTCT, CHKT, CHKT, ELDTW, ELDTW, CHN2, CHY, CHY, TPUB, TPUB, STYT, STYT, TWK, TWK, IRIF, IRIF, SNST, SNST, CHN1, CHN1, SGST, SGST, CHN8, CHN8, TWG, TWG, TWGB, TWGB, SLGT, SLGT, PTTC, PTTC, SCLT, SCLT, JKRS, JKRS, VWUC, VWUC, SSD, SSD, ECL, ECL.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like IJJI Ishigaki jima, MATB Ma-tsu, PNG Penghu, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like HOQ SNR=5.9, TNSJ Nastanj, TKDS Kooohdash(Taba), etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like MDH Madha, MDH Madha, HATD Hatta, Dubai, etc.

IDC 10 20:04:03.2:1.0, 28:31N:51.60E, h0km, mb3.6/8, mb1 3.8/10, mb1mx3.6/46, mbmp3.6/10, ML3.6/2, Error ellipse: s-maj=32.9km s-min=19.0km az=32.0

ISCJB 10 20:04:05.3:0.5, 28:31N:0.03:51.53E:0.05, h24km, mb3.6/8, Error ellipse: s-maj=6.7km s-min=3.3km az=152.4

THR 10 20:04:05.8, 28:38N:51.52E, h32km, ML3.6, TEH 10 20:04:07.4, 28:51N:51.65E, h20km, ML3.6

OMAN 10 20:04:10.0:5.7, 28:82N:52.39E, h23km, ml3.4/6, ms2.7/1, Error ellipse: s-maj=12.1km s-min=33.9km az=63.0

DSN 10 20:04:11.3:0.6, 28:32N:52.11E, h10km, ML3.2/9, Error ellipse: s-maj=18.0km s-min=5.8km az=46.0

ISC 10 20:04:07.1:0.7, 28:37N:0.06:51.60E:0.06, h24km, n61, r1917/0, mb3.6/8, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like TAP 10 20:04:12.5, 24:11N:121.60E, h34km, ML1.7, C, Taiwan, NACB Ninganchiao, etc.

IDC 10 20:08:29.8:0.8, 28:39N:51.70E, h0km, mb3.9/17, mb1 3.9/19, mb1mx3.8/53, mbmp3.9/19, ML3.6/2, MS4.2/1, Ms1 4.2/1, m1mx2.9/64, Error ellipse: s-maj=19.9km s-min=16.2km az=3.0

ISCJB 10 20:08:31.4:0.3, 28:35N:0.03:51.58E:0.04, h24km, mb3.8/19, MS4.3/1, Error ellipse: s-maj=5.2km s-min=3.5km az=145.6

TEH 10 20:08:32.6, 28:52N:51.72E, h10km, ML3.8, NEIC 10 20:08:33.8:0.0, 28:51N:51.63E, h23km, mb4.4/3, ML3.8/1(THR), After THR, Error ellipse: s-maj=12.1km s-min=33.9km az=63.0

THR 10 20:08:33.1, 28:44N:51.62E, h32km, ML3.7, DSN 10 20:08:35.4:1.1, 28:47N:52.07E, h10km, ML3.6/9, Error ellipse: s-maj=21.8km s-min=6.0km az=16.0

ISC 10 20:08:33.2:0.6, 28:39N:0.06:51.66E:0.05, h24km, n68, r1918/93, mb3.9/19, Southern Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like AKTO Aktyubinsk, AAK Atchaba, BVAR Borovoye Array, etc.

IDC 10 20:09:58.3:0.9, 28:78N:76.90E, h0km, mb3.5/8, mb1 3.7/10, mb1mx3.4/59, mbmp3.5/10, ML3.2/2, Error ellipse: s-maj=34.1km s-min=17.7km az=55.0

ISCJB 10 20:10:00.1:1.1, 29:01N:0.03:76.60E:0.06, h7km, 8km, mb3.5/8, Error ellipse: s-maj=8.2km s-min=4.7km az=12.1

NDI 10 20:10:00.8:1.8, 28:97N:76.20E, h10km, ML3.5, ISC 10 20:10:00.7:1.4, 28:97N:0.04:76.63E:0.05, h10km, n10km, n20, r1977/32, mb3.6/8, Northern India

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like GHIR Ghir-Karzin, GHIR Ghir-Karzin, Kazeroun, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like HOQ SNR=5.9, TNSJ Nastanj, TKDS Kooohdash(Taba), etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like BHGR Bahadurgarh, BHGR Bahadurgarh, NDI New Delhi, etc.





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMAFR, IFR, YMAS, YARA, etc.

IDC 10:20:19:13.9,29.0,16.99S,175.28W, h0km, mb4.5/4, mb1 4.6/4, mb1mx3.9/5.1, mbtmp4.5/4, Error ellipse: s-maj=579.9km s-min=91.2km az=90.0, Tonga Islands

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

NIED 10:20:20:02:21.00N:122.10E, h5km, Mw5.8 Best double couple: M0:48000\*1017 NP1:36186.00000\*338.00000\*1.61.00000\*...

ellipse: s-maj=3.2km s-min=2.6km az=97.0, Moment Tensor Solution, s42 Moment tensor. Scale 1017Nm; Mn:5.36, M0:0.81; Mb:6.18; M0:3.18; Mb:3.69; Mw:6.10; Best double couple: M0:70000\*1017 NP1:36186.00000\*338.00000\*1.80.00000\*...

NEIC Felt [V PIVS] at Basco, Itbayat, Ivana and Mahatao and [IV PIVS] at Sabtang and Uyugan. Recorded [2 TAP] in Taitung and [1 TAP] in Pingtung, Taiwan. BUJ 10:20:20:27.0, 21.05N:122.10E, h10km, mb5.8/70, mb6.2/72, Ms6.2/96, Ms7.6.1/86

GCMT 10:20:28.8, 0.1, 20.82N, 0.1, 122.06E, h12km, Mw5.8/125, Moment Tensor Solution, s107:c211; s125:c375; Duration: 2s0 Moment tensor. Scale 1017 Nm; Mn:5.27; M0:0.98; Mb:6.25; Mw:6.52; Mw:6.13; Mw:4.62; Mw:2.08; Mw:1.4; Best double couple: M0:27200\*1017 NP1:36186.00000\*338.00000\*1.69.00000\*...

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

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

Table with columns: Station Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like PTSB Yuanli, YHNB Yeheng, NMLH Miaoili, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like HKPS Hong Kong Po S, MCO Taipa Grande, JIH Iheya, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like JKN2 Miekikohoku, KMI Kunming, KMI Kunming, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PHET, SANI, MSHR, CN2, etc.

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

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

10d 20h

Table with columns for station name, frequency, power, and coordinates. Includes stations like XMAS Christmas Isla, MOY Monday, NKL Nikolayevsk, etc.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like YAK, MBWA Maribou, H11N1 WAKE ISLAND, etc.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.











Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like Mt. Diablo Mer, Papeete, Papeete2, etc.

Table with columns: Station ID, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like Auburn Hatcher, AHID, AHID, etc.

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







Table with columns: ARU, SP1A, ANM, GNI, KBZ, KIV, KIV, KLMR, IM3, SIRT, BPAW, TOLK, RND, MDM, PMR, WRH, KWK, ILAR, ILB, RIDG, SPA0, SPITS, ARA0, ARCES, SCRK, DOT, MENT, CUSAR, EGAK, FIA0, FINES, DAWY, EPYK, DELI, PELI, INK, BR10, BR13, BRTR, AKAS, AKBB, KIEV, KKUL, TLCR, CFCF, TIRB, TLB, ICOR, TESR, VRI, PLOR, BIZ, BURAR, OZUR, MLR, VOIR, KWP, ARR, HUMR, TRPA, VLD, ENZ, NOA, RES, GZR, OJC, SIRR, JMJC, LANS, VTS, VTS, MDRV, VYHS, STIP, JAVO, DPC, VRAC, AGG, FNA, BRG, PRU, CONA, CLL, CLL, ITM, YKA, YKBS, KMBO, KHC, GEC2, GERES, KEST, TOA1, TORD

Table with columns: comp=Z, 0.8nm, 0.9s, 4z1, slow=6.4, SNR=3.7, PBO1, G001, ISCJB, IDC, ISC, Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: H11N2, H11N3, H11S3, H11S1, H11S2, WRA, ZALV, ZALV, NUR, KURB, ASAR, BRVK, KBZ, ILAR, YKA, ISCJB, GRAL, ISC, Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TIXI, BR10, AKASG, AKKB, KIEV, etc.

JMA 10 22:09:12.8-0.3, 43.96N:148.36E, h0km, M3.5
SKHL 10 22:09:14.7-0.6, 44.23N:148.57E, h1km, 2km, mb3.0/3
ISC 10 22:09:00.1-4.9, 43.93N:0.1-149.2E:0.3, h7km, 15km, n9

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

ISK 10 22:11:20.6, 38.62N:43.44E, h21km, ML1.8/4
ISCJB 10 22:11:21.1-1.5, 38.58N:0.09:43.5E:0.1, h23km, 8km,
Error ellipse: s-maj=21.6km s-min=6.7km az=41.1

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

ISCJB 10 22:18:34.0-0.9, 9.11N:0.06:39.98E:0.05, h10km,
mb3.6/5, Error ellipse: s-maj=9.4km s-min=6.0km
az=148.0
EAF 10 22:18:35.3-1.1, 9.11N:39.94E, h0km, 20km

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

ISC 10 22:19:31.8-1.2, 20.69N:122.11E, h0km, mb3.6/7,
mb1.3/8, mb1mx3.4/44, mbtmp3.6/8, ML2.4/1, Error
ellipse: s-maj=41.0km s-min=22.8km az=62.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW, SONM, MKAR, etc.

ISC 10 22:25:46.5-1.2, 20.61N:122.19E, h0km, mb3.7/6,
mb1.3/7, mb1mx3.5/44, mbtmp3.7/8, ML2.2, MS3.9/3,
Ms1.3/9.3, ms1mx3.0/57, Error ellipse: s-maj=37.9km
s-min=22.9km az=68.0

ISCJB 10 22:25:50.0-0.8, 20.74N:0.07:122.4E:0.1, h33km,
mb3.6/6, MS3.8/3, Error ellipse: s-maj=16.4km
s-min=6.5km az=29.2

JMA 10 22:25:50.9-0.6, 20.99N:122.06E, h151km, M3.4
ISC 10 22:25:51.7-1.1, 20.72N:0.10:122.3E:0.1, h35km, n25,
0.960/22, mb3.7/6, MS4.2/3, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATJ, JYNG, IRIF, etc.

ISC 10 22:27:03.5-1.3, 20.77N:122.24E, h0km, mb3.4/4,
mb1.3/4.5, mb1mx3.3/41, mbtmp3.4/5, ML2.9/1, Error
ellipse: s-maj=47.2km s-min=24.2km az=67.0,
Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW, SONM, MKAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11N2, H11N3, H11S3, etc.

ISC 10 22:36:22.7-1.4, 20.65N:122.21E, h0km, mb3.4/3,
mb1.3/4.4, mb1mx3.2/45, mbtmp3.4/4, ML2.8/1, Error
ellipse: s-maj=49.5km s-min=25.3km az=71.0,
Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW, SONM, MKAR, etc.

NIED 10 22:53:00.21:00N:122.20E, h38km, Mw4.5 Best double
couple: M6: 17000x1015 N1: 154.00000, 838.00000,
x-11.00000, NP2: 253.00000, 883.00000,
z-126.00000

ISC 10 22:53:19.7-0.7, 20.63N:122.22E, h0km, mb4.0/16,
mb1.4/17, mb1mx3.9/61, mbtmp4.0/18, ML3.6/2, MS3.5/7,
Ms1.3/7.5, ms1mx3.3/41, Error ellipse: s-maj=23.1km
s-min=14.2km az=71.0

JMA 10 22:53:51.8-0.3, 21.00N:122.18E, h0km, M4.3
BUI 10 22:53:51.9, 20.68N:122.08E, h19km, mb4.3/15, MB4.7/14,
Ms4.2/15, Ms7.3/9/14

NEIC 10 22:53:51.7-0.4, 20.72N:122.15E, h10km, mb4.3/16, Error
ellipse: s-maj=8.6km s-min=5.8km az=88.0
NEIC Felt [IV PIVS] at Basco,
ISCJB 10 22:53:53.6-0.4, 20.81N:0.10:4:122.20E:0.05, h33km,
mb4.1/34, MS3.5/7, Error ellipse: s-maj=7.1km
s-min=3.7km az=35.3

MAN 10 22:53:54.8, 20.55N:121.86E, h11km, MS4.9
MAN INTENSITY IV - BASCO BATANES,
ISC 10 22:53:55.8-0.6, 20.80N:0.06:122.19E:0.05, h35km, n85,
0.1986/4, mb4.1/35, MS3.4/7, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWG, YULI, Ta-pu, etc.

QIZ comp=N, 690nm, 11.8s LR LR
QIZ comp=E, 450nm, 13.2s LR LR

WNN Wuhan 12.00 326 P Pn 22 56 45.6 +1.3
KS15 Wonju Array Si 17.31 15 ePn P 22 57 54.5 -0.1

KSAR Korea Array Be 17.31 15 P P 22 57 55.1 -0.7
KSRS Korea Array W 17.33 15 P P 22 57 55.1 +0.2

KSRS Korea Array W 17.33 15 P P 22 57 55.2 +0.9
CMAR Chiang Mai Arr 22.15 268 LR 22 40 08.1

SONM Songino Array 29.98 338 P 22 31 55.9 -1.0
MKAR Makanchi Array 41.59 318 P 22 33 36.8 +0.5

H11N1 WAKE ISLAND Hy 41.72 83 T 23 18 34.5
H11N2 WAKE ISLAND Hy 41.73 83 T 23 18 34.8

H11N3 WAKE ISLAND Hy 41.74 83 T 23 18 39.2
H11S3 WAKE ISLAND Hy 41.74 85 T 23 18 32.7

H11S1 WAKE ISLAND Hy 41.75 85 T 23 18 34.6
H11S2 WAKE ISLAND Hy 41.76 85 T 23 18 34.0

WRR Warramunga Arr 42.08 163 P 22 33 39.6 -0.9
ZALV Zalevovo Beam 43.73 329 P 22 34 07.2 -0.7

KURBB Kurchatov Arra 45.36 322 P 22 34 07.2 -0.0
CTA Charters Tower 46.83 149 LR 22 52 10.4

WSAR Wadi Sarin 58.71 285 LR 23 03 41.2
YKA Yellowknife Ar 85.79 23 P 22 38 28.6 +1.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW, SONM, MKAR, etc.





Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like PKI Pulchoki, GUN 14.89 120 eP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like GHIR Ghar-Karzin, GHIR Ghar-Karzin, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like SHME Shamm, SHME Shamm, ICHK Chekchek, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like MLR Muntele Rosu, MLR Muntele Rosu, VTS Vitosa, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ASUD AI Ashush, MSFE Esma-Masafi, CHMN Cheshme madani, etc.

ISCJB 11 00:06:26.2, 0.5, 51.47N, 0.02, 16.19E, 0.03, h0km, Error ellipse: s-maj=3.5km s-min=2.6km az=18.3

IPEC 11 00:06:27.1, 0.3, 51.57N, 16.30E, h0km, ML2.4/4, Error ellipse: s-maj=2.6km s-min=1.6km az=62.0

PRU 11 00:06:28.5, 0.0, 51.49N, 16.19E, h0km

IDC 11 00:06:29.1, 1.1, 51.45N, 16.23E, h0km, mb1 3.5/4, mb1mx3.1/48, mbtmp3.3/4, ML2 6/4, Error ellipse: s-maj=17.9km s-min=8.8km az=104.0

ISC 11 00:06:26.2, 0.6, 51.62N, 0.03, 16.23E, 0.02, h0km, n44, r122/84, 2C-30, Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KSP Ksiaz, DPC Dobruska-Polom, PVCC Panska Ves, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like LANS Liptovska Anna, MODS Modra-Piesok, VYHS Vyhne, etc.

NNC 11 00:24:49.3, 11.0, 37.07N, 70.67E, h0km, mb3.5, mpv3.4, 2D, Error ellipse: s-maj=112.8km s-min=68.0km

az=154.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KK31 Karatay Array, AAK Ala-Archa, AB31 Akbulak array, etc.

RSNC 11 00:25:47.8, 1.2, 6.84N, 73.15W, h150km, 4km, ML3.4, Mw3.6, 6C-2D, Northern Chouba

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like GIRC Giron, SNTAND, BARC Barichara, etc.

ISC 11 00:33:42.3, 1.2, 44.99N, 0.03, 14.99E, 0.05, h9km, 15km, n8, 0.066/15, Adriatic Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NVLJ Novalja, BOJS Bojanci, GBRG Gornja Briga, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like VHO Vista Hermosa, VHO Pinotepa, etc.

NDI 11 01:02:18.0, 1.3, 28.95N, 76.68E, h9km, 12km, ML2.0, Northern India

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NDI New Delhi, KUDL Kundal, KHET Khetri, etc.

IDC 11 01:05:22.2, 1.3, 39.33N, 74.08E, h0km, mb3.8/5, mb1 3.8/9, mb1mx3.5/49, mbtmp3.7/9, ML3.3, 1/4, Error ellipse: s-maj=25.0km s-min=17.1km az=116.0

KRNET 11 01:05:23.4, 0.1, 39.43N, 74.07E, mb3.7, SOME 11 01:05:24.6, 3.9, 55N, 74.28E, h10km, NNC 11 01:05:26.1, 3.9, 70N, 73.96E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=23.3km s-min=11.8km az=164.0

ISCJB 11 01:05:27.1, 0.9, 39.29N, 0.05, 74.11E, 0.05, h47km, 9km, mb3.9/7, Error ellipse: s-maj=8.3km s-min=5.9km az=162.0

NEIC 11 01:05:30.8, 2.7, 39.58N, 74.11E, h57km, 9km, mb4.4/3, Error ellipse: s-maj=16.7km s-min=13.0km az=222.0

ISC 11 01:05:23.8, 1.7, 39.62N, 0.05, 74.25E, 0.03, h2km, 11km, n76, r158/102, mb3.9/7, 32C-12D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ARSB Arslanbob, NRN Naryn, AML Almayashu, etc.

Table with columns: DGS, Degeres, 3.79 17 Pg, Pg, 01 06 34.6 -1.9, etc. Includes stations like DGS, IUG, MDOK, KNDC, KOTS, KTBS, etc.

Table with columns: AKAS, Kas, 0.99 107, P, Pn, 01 06 10.8 +2.0, etc. Includes stations like KSL, TAVA, BODR, NISIR, etc.

Table with columns: IMMV, comp=N,359um,0.3s, AML, AML, 01 07 35.4, etc. Includes stations like DION, GVD, VLY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like MRSB, DALY, TURUNC, etc.

Table with columns: SHUT, Suhut-Afyon, 2.63 39, P, Pn, 01 06 31.6 +0.8, etc. Includes stations like SHUT, CHOS, LAST, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like BSO3, BSO4, JIM2, etc.



IPAR	comp=Z,0.0nm,0.6s	1.94	41	ePn	Pn	02 03 56.9 +0.7
IPAR	Pars	1.94	41	ePn	IAMB	02 03 57.3 +1.1
IPAR	Pars	1.94	41	ePn	IAMB	02 04 48.8
KLNJ	Kolanjah	2.62	0	ePn	Pn	02 04 06.2 +0.7
IRAM	Ramesheh	3.48	11	ePn	Pn	02 04 17.8 +0.4
IRAM	Ramesheh	3.48	11	ePn	IAMB	02 04 17.7 +0.4
IRAM	Ramesheh	3.48	11	ePn	IAMB	02 04 36.1
ZNGN	Zangian	3.78	351	ePn	Pn	02 04 21.7 +0.3
JHBN	Jahan bin	3.92	349	ePn	Pn	02 04 23.9 +0.5
ISAD	Sadrabad	3.96	27	ePn	Pn	02 04 25.2 +1.2
ISAD	Sadrabad	3.96	27	ePn	IAMB	02 05 19.9
ROKH	Rokh	3.98	353	ePn	Pn	02 04 24.2 +0.1
IMEH	Mehriz	3.99	41	ePn	Pn	02 04 25.9 +1.6
IMEH	Mehriz	3.99	41	ePn	IAMB	02 04 27.4
IGAR	Gharmeh	4.03	6	ePn	Pn	02 04 25.6 +0.8
IGAR	Gharmeh	4.03	6	ePn	IAMB	02 05 15.3
GENO	Geno	4.18	102	ePn	Pn	02 04 27.3 +0.5
PIPIR	Pirpir	4.33	352	ePn	Pn	02 04 29.3 +0.3
PIPIR	Pirpir	4.33	352	ePn	IAMB	02 05 32.1
SHGR	Shooshtar-Gavs	4.42	328	ePn	Pn	02 04 29.5 -0.5
SHGR	Shooshtar-Gavs	4.42	328	ePn	Pn	02 04 29.5 -0.5
IZEF	Zefreh	4.54	8	ePn	Pn	02 04 32.6 +0.7
IZEF	Zefreh	4.54	8	ePn	IAMB	02 04 33.9
ICHK	Chekchek	4.56	32	ePn	Pn	02 04 32.9 +0.8
ICHK	Chekchek	4.56	32	ePn	Pn	02 04 32.9 +0.8
ICHK	Chekchek	4.56	32	ePn	IAMB	02 05 28.7
UMQ	Umm Al-Quwin	4.62	127	iP	Pn	02 04 33.6 +0.8
UMQ	Umm Al-Quwin	4.62	127	iP	Pn	02 04 34.9 +2.2
UMQ	Umm Al-Quwin	4.62	127	ePn	Pn	02 04 34.7 +2.0
SHME	Shamm	4.68	119	iP	Pn	02 04 33.7 +0.2
SHME	Shamm	4.68	119	iP	S	02 05 25.6 -1.3
NGRK	Negar Kerman	4.68	73	ePn	Pn	02 04 34.2 +0.3
KHGB	Koh Gabri	4.71	64	ePn	Pn	02 04 34.9 +0.7
NIAN	Nian	4.72	99	ePn	Pn	02 04 33.3 -0.8
YZKH	Yazd	4.77	32	ePn	Pn	02 04 36.2 +1.4
YZKH	Yazd	4.77	32	ePn	Pn	02 04 36.2 +1.4
KRBR	Kerman	4.80	69	ePn	Pn	02 04 37.0 +1.5
KRBR	Kerman	4.80	69	ePn	Pn	02 04 37.0 +1.5
TVBK	TV Kerman	4.80	69	ePn	Pn	02 04 36.7 +1.2
AJN	Ajban	4.88	140	iP	Pn	02 04 37.7 +1.5
AJN	Ajban	4.88	140	iP	Pn	02 04 37.7 +1.5
AJN	Ajban	4.88	140	ePn	Pn	02 04 38.1 +1.9
IKLH	Kolahrood	4.92	360	ePn	IAMB	02 04 36.8 -0.3
IKLH	Kolahrood	4.92	360	ePn	IAMB	02 05 39.5
NAZ	Nazwa, Dubai	4.97	132	iP	Pn	02 04 39.0 +1.4
NAZ	Nazwa, Dubai	4.97	132	iP	Pn	02 04 39.2 +1.6
NAZ	Nazwa, Dubai	4.97	132	ePn	Pn	02 04 39.2 +1.6
ASUD	AI Ashush, Dub	5.03	137	iP	Pn	02 04 39.8 +1.6
ASUD	AI Ashush, Dub	5.03	137	iP	Pn	02 04 39.9 +1.6
ASUD	AI Ashush, Dub	5.03	137	ePn	Pn	02 04 39.9 +1.6
MSFE	Esma-Masafi	5.08	125	iP	Pn	02 04 39.7 +0.6
MSFE	Esma-Masafi	5.08	125	iP	Pn	02 04 39.7 +0.6
MSFE	Esma-Masafi	5.08	125	ePn	Pn	02 04 39.7 +0.6
FAQ	AI Faqa, Dubai	5.10	134	iP	Pn	02 04 40.5 +1.1
FAQ	AI Faqa, Dubai	5.10	134	iP	Pn	02 04 40.5 +1.1
MDH	Madha	5.21	125	iP	Pn	02 04 41.3 +0.4
MDH	Madha	5.21	125	iP	Pn	02 04 41.3 +0.4
MDH	Madha	5.21	125	ePn	Pn	02 05 38.3 -1.8
HATD	Hatta, Dubai	5.40	130	iP	Pn	02 04 44.0 +0.6
HATD	Hatta, Dubai	5.40	130	iP	Pn	02 04 44.0 +0.6
HATD	Hatta, Dubai	5.40	130	ePn	Pn	02 05 44.0 -0.6
HATD	Hatta, Dubai	5.40	130	ePn	Pn	02 04 43.9 +0.5
NSR	Nassriya	5.41	300	ePn	Pn	02 04 43.0 -0.5
NSR	Nassriya	5.41	300	ePn	Pn	02 05 39.0 -5.8
CHMN	Cheشمه madani	5.42	73	ePn	Pn	02 04 45.0 +1.0
ASHO	Ashiyah	5.44	132	iP	Pn	02 04 44.8 +0.7
ASHO	Ashiyah	5.44	132	iP	Pn	02 04 44.8 +0.7
ASHO	Ashiyah	5.44	132	ePn	Pn	02 05 45.6 -0.2
ASHO	Ashiyah	5.44	132	ePn	Pn	02 04 44.8 +0.7
KHMZ	Khomeyn	5.52	346	ePn	Pn	02 04 45.8 +0.5
KHMZ	Khomeyn	5.52	346	ePn	Pn	02 04 45.8 +0.5
KRSH	Karshahi	5.59	5	ePn	Pn	02 04 46.1 -0.1
ALNE	Al Ain	5.71	138	iP	Pn	02 04 48.1 +0.4
ALNE	Al Ain	5.71	138	ePn	Pn	02 04 48.6 +0.9
IKMR	Kamar-syah	5.81	333	ePn	Pn	02 04 49.0 0.0
ISFB	Sefidab	5.98	5	ePn	Pn	02 04 50.6 -0.9
IDOB	Doab	6.13	332	ePn	Pn	02 04 53.8 +0.2
SOHO	Soho	6.14	132	iP	Pn	02 04 53.8 +0.2
SOHO	Soho	6.14	132	iP	S	02 06 03.4 +0.6
TPRV	Parvadeh(Tabas)	6.38	42	ePn	Pn	02 04 57.8 +0.8
ARQ	Araq	6.71	137	iP	Pn	02 05 01.9 +0.4
ARQ	Araq	6.71	137	iP	S	02 06 17.1 +0.1
IKOM	Komasi	6.74	330	ePn	Pn	02 05 02.8 +0.8
HAGD	Aghdareh	6.75	343	ePn	Pn	02 05 02.1 -0.1
IBDR	Badra	6.77	315	ePn	Pn	02 05 03.0 +0.7
IBDR	Badra	6.77	315	ePn	S	02 05 09.9 -0.2
HOQ	Hoqain	7.03	132	iP	Pn	02 05 06.6 +0.8
HOQ	Hoqain	7.03	132	iP	S	02 06 23.2 -1.6
HOQ	Hoqain	7.03	132	ePn	Pn	02 05 06.3 +0.4
TNSJ	Nastanj	7.04	36	ePn	Pn	02 05 06.7 +0.7
HSB	Hasanabad	7.04	358	ePn	Pn	02 05 05.6 -0.5
KCHF	Cheشمه Sefid,	7.04	328	ePn	Pn	02 05 06.2 0.0
TKDS	Koohdash(Taba)	7.06	41	ePn	Pn	02 05 06.8 +0.5
IRAZ	Razeghan	7.14	349	ePn	Pn	02 05 07.3 -0.2
IDMV	Damazvand	7.14	349	ePn	Pn	02 05 07.7 -0.5
IGHV	Ghaleghazi	7.32	325	ePn	Pn	02 05 09.9 -0.2
IMHD	Mahdasht	7.32	354	ePn	Pn	02 05 09.7 -0.2
TEH	Tehran	7.34	359	ePn	Pn	02 05 10.2 0.0
HARG	Sareghieh	7.39	339	ePn	Pn	02 05 10.8 -0.3
QABG	Abgarm-Qazvin	7.50	347	ePn	Pn	02 05 12.8 +0.3
ISHM	Shahmirzad	7.54	11	ePn	Pn	02 05 12.5 -0.6
ILIN	Lien	7.61	330	ePn	Pn	02 05 14.2 -0.1
BIDO	Bidbid	7.62	128	iP	Pn	02 05 13.4 -0.5
BIDO	Bidbid	7.62	128	iP	S	02 06 36.5 -2.9
BIDO	Bidbid	7.62	128	ePn	Pn	02 05 13.5 -0.5
ITEG	Tejag	7.64	52	ePn	Pn	02 05 14.9 +0.5
IHRH	Dehrash	7.70	326	ePn	Pn	02 05 14.8 -0.4
JALA	Alasht	7.75	7	ePn	Pn	02 05 16.9 +0.9
IPRN	Peran	7.86	4	ePn	Pn	02 05 18.5 +1.1
BHD	Baghdad	7.88	310	ePn	Pn	02 05 19.0 +1.6
BHD	Baghdad	7.88	310	ePn	S	02 06 40.0 -5.6
SMDO	Samad	7.88	131	iP	Pn	02 05 17.4 -0.2
QALM	Alamut, Qazvin	8.07	355	ePn	Pn	02 05 20.1 -0.2
WSAR	Wadi Sarin	8.16	127	Pn	Pn	02 05 20.8 -0.6
WSAR	Wadi Sarin	8.16	127	Pn	S	02 06 47.0 -5.5
WSAR	Wadi Sarin	8.16	127	ePn	Pn	02 05 20.8 -0.6
WSAR	Wadi Sarin	8.16	127	ePn	S	02 06 48.6 -3.9
IDAH	Dahanachah	8.36	57	ePn	Pn	02 05 26.1 +1.8
JMDO	Jabal Madar	8.40	134	iP	Pn	02 05 24.6 -0.1
JMDO	Jabal Madar	8.40	134	iP	S	02 06 54.6 -4.0
WBK	Wadi Bani Khal	8.81	129	iP	Pn	02 05 30.3 0.0
WBK	Wadi Bani Khal	8.81	129	iP	S	02 07 04.7 -3.9

IKRK	Kirkuk	9.32	320	ePn	Pn	02 05 39.0 +1.8
IKRK	Kirkuk	9.32	320	ePn	S	02 07 15.0 -6.0
MHTO	MHTO	9.37	140	Pn	Pn	02 05 38.0 0.0
MHTO	MHTO	9.37	140	Pn	S	02 07 18.4 -4.1
MHTO	MHTO	9.37	140	Pn	S	02 05 36.9 -1.7
JLN	Jalan Bani Buh	9.41	129	Pn	Pn	02 07 16.9 -6.6
JLN	Jalan Bani Buh	9.41	129	Pn	S	02 05 39.0 +0.5
IMHD	Minoodasht	9.42	19	ePn	Pn	02 05 41.8 -1.0
IMHD	Minoodasht	9.42	19	ePn	S	02 05 45.6 -1.2
MAHB	Mahab	9.72	331	ePn	Pn	02 07 35.4 -2.9
MAHB	Mahab	9.72	331	ePn	S	02 05 51.0 +1.6
DOM	Dom	10.02	146	Pn	Pn	02 05 49.8 +0.3
DOM	Dom	10.02	146	Pn	S	02 05 57.9 +8.3
IAKL	Akhelmad	10.19	35	ePn	Pn	02 05 55.6 +1.3
IAKL	Akhelmad	10.19	35	ePn	Pn	02 05 54.6 -0.4
ISFR	Sfrayin	10.20	30	ePn	Pn	02 05 54.7 -0.4
ISFR	Sfrayin	10.20	30	ePn	S	02 05 58.0 +1.5
IKRD	Karsh	10.21	33	ePn	Pn	02 07 49.0 -6.6
JKRH	Jarkhoshk	10.56	42	ePn	Pn	02 05 57.0 +0.1
WHFO	Wadi Hawf	10.61	169	Pn	Pn	02 07 48.0 -8.2
WHFO	Wadi Hawf	10.61	169	Pn	S	02 05 59.6 -0.4
HRHS	Heris	10.61	340	ePn	Pn	02 05 54.7 -0.4
HRHS	Heris	10.61	340	ePn	S	02 05 59.6 -0.4
MSL	Mosul	10.73	320	ePn	Pn	02 05 54.7 -0.4
MSL	Mosul	10.73	320	ePn	S	02 05 58.0 +1.5
RTB	Rutbah	10.75	298	ePn	Pn	02 07 49.0 -6.6
RTB	Rutbah	10.75	298	ePn	S	02 05 57.0 +0.1
REY	Alibeck	10.98	28	Pn	Pn	02 07 48.0 -8.2
REY	Alibeck	10.98	28	Pn	S	02 05 59.6 -0.4
GEYT	Geit	10.98	28	Pn	LR	02 11 22.2
GEYT	Geit	10.98	28	Pn	S	02 06 08.8 +0.8
GYAOB	ALIBECK ARRAY	10.98	28	ePn	Pn	02 07 48.3 -1.4
GYAOB	ALIBECK ARRAY	10.98	28	ePn	S	02 05 59.9 -0.9
YOVA	Hakkari_Yksek	11.03	328	iP	IAMB_P	
YOVA	Hakkari_Yksek	11.03	328	iP	S	
DMTO	DMTO	11.06	163	Pn	Pn	02 05 59.9 -1.2
DMTO	DMTO	11.06	163	Pn	S	02 07 56.6 -7.2
CUKT	Cukurca	11.09	325	ePn	Pn	02 05 59.3 -2.3
CUKT	Cukurca	11.09	325	ePn	Pn	02 05 59.8 -1.9
CUKT	Cukurca	11.09	325	ePn	S	
RBK	Basakale_VAN	11.54	329	iP	Pn	02 06 00.8 -0.8
RBK	Basakale_VAN	11.54	329	iP	S	02 07 60.0 -4.8
BASK	Baskale	11.54	329	iP	IAMB_P	02 06 07.2 -0.6
BASK	Baskale	11.54	329	iP	S	
SIRT	Sirnak	11.89	322	ePn	Pn	02 06 09.8 -2.7
SIRT	Sirnak	11.89	322	ePn	Pn	02 06 09.9 -2.7
SIRT	Sirnak	11.89	322	ePn	S	02 08 19.1 -5.2
SIRN	Sirnak	11.91	322	iP	Pn	02 06 11.0 -1.7
SIRN	Sirnak	11.91	322	iP	S	
GEVA	Gevas	12.19	326	iP	Pn	02 06 15.3 -1.4
GEVA	Gevas	12.19	326	iP	S	
TVAN	TVAN	12.20	328	iP	Pn	02 06 16.8 0.0
TVAN	TVAN	12.20	328	iP	S	
AKDM	Akdamar-Van	12.24	326	ePn	Pn	02 06 15.9 -1.5
AKDM	Akdamar-Van	12.24	326	ePn	S	02 06 16.5 -1.1
VANB	VANB	12.26	328	ePn	Pn	02 06 15.9 -1.5
VANB	VANB	12.26	328	ePn	S	02 06 21.2 +0.6
CLDR	Caldiran	12.48	331	iP	Pn	02 06 21.2 +0.6
CLDR	Caldiran	12.48	331	iP	S	
SRTM	Siirt_Merkez	12.53	3			

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like BLCB, CTKS, FURI, EKSZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like GUR, SOH, MMB, PLOB, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes entries like GERES Array S, Panska Ves, Kasperske Hory, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes entries like Dombas, Odda, Trondheim, ARCES Array S, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes entries like DBIC, Dimbokro, KIC, TUMEDI, LIC, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NMLH Miaoili, NSY Sanyl, TWQ1 Lyutan, etc.

SOME 11 03:04:06.5, 37.58N, 72.52E, h20km
IDC 11 03:04:07.2, 5.5, 36.23N, 71.16E, h193km, 22km, mb3.5/14,
mb1.3, 7.2D, mb1mx4.4/5.4, mbtmp4.2/2.0, Error ellipse:
s-maj=18.8km s-min=11.9km az=176.0

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

Table with columns: BRVK Borovoye, ODAN Odare, AKTO Aktyubinsk, etc. Includes station codes and seismic data.

NIED 11 03:05:00, 41.60N, 142.10E, h50km, Mw4.6 Best double
couple: M8.06000, 10.15 NP1: 189.00000, 8.19.00000,
1.78.00000. NP2: 22.00000, 8.71.00000, 1.94.00000.
BUJ 11 03:05:51.2, 41.34N, 142.33E, h55km, mb4.8/46, mb4.8/27,
Ms3.9/17, Ms7.3/716
ISCJB 11 03:05:55.0, 41.57N, 142.02E, 142.03E, 0.43, h65km, 2km,
bz=137.6, Error ellipse: s-maj=4.0km s-min=2.7km

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

Table with columns: GLVR, GRPR Tuman, GRPR comp=E, 94nm, 0.3s, etc. Includes station codes and seismic data.

Table with columns: Country, City, Comp, Time, P, Pmax, and other performance metrics. Includes entries for Beijing, Nanjing, Yakutsk, Wuhan, etc.

Table with columns: Country, City, Comp, Time, P, Pmax, and other performance metrics. Includes entries for Makanchi, Chaiyaphum, Chiang Mai, etc.

Table with columns: Country, City, Comp, Time, P, Pmax, and other performance metrics. Includes entries for Karatay Array, Karatay Array, etc.

Table of astronomical observations for 2013 APR, including columns for station name, time, phase, and residual. Includes stations like HATD Hatta, Dubai and ASHO Aszhiyah.

Table of astronomical observations for 2013 APR, including columns for station name, time, phase, and residual. Includes stations like SCHQ Schefferville and WATA Walderalm.

GUC 11 03:13:37.3;0.5,20'53S;69'22W,h106km,2km,ML3.6, 7C-2D, Northern Chile

Table of astronomical observations for GUC station, including columns for code, station name, time, phase, and residual. Includes stations like PB08 IPOC Station P and PB01 IPOC Station P.

LDG 11 03:19:51.3;0.1,44'05N;6'34E,h2km,Md2.0/3,MI1.9/5, Error ellipse: s-maj=1.7km s-min=1.1km az=81.0, France

Table of astronomical observations for LDG station, including columns for code, station name, time, phase, and residual. Includes stations like SBF Sospel and FRF La Foret Royal.

ISCJB 11 03:21:08.3;0.4,50'14N;0'03-19'06E;0.02,h0km, Error ellipse: s-maj=3.8km s-min=2.1km az=17.4

Table of astronomical observations for ISCJB station, including columns for code, station name, time, phase, and residual. Includes stations like CHZP Chorow and LANS Liptovska Ana.

Table of astronomical observations for 2013 APR, including columns for station name, time, phase, and residual. Includes stations like DPC comp=Z,68nm,0.6s and VRAC Vranov.

IDC 11 03:28:33.7;1.5,28'39N;51'63E,h0km,mb3.9/9, mb1.4/0/12,mb1mx3.6/5,mbtm3.8/12,ML3.3/3,MS3.9/3, Ms1.3/9.3,ms1mx2.9/47, Error ellipse: s-maj=29.6km s-min=26.1km az=8.0

THR 11 03:28:34.0,28'34N;51'46E,h23km,ML3.6, Error ellipse: s-maj=6.8km s-min=4.6km az=42.5

TEH 11 03:28:37.1,28'42N;51'67E,h12km,ML3.5, Error ellipse: s-maj=6.8km s-min=4.6km az=42.5

Table of astronomical observations for IDC, THR, TEH, and ISC stations, including columns for code, station name, time, phase, and residual. Includes stations like GHIR Ghir-Karzin and ISRV Israhel.



WMQ	comp=Z,2µm,19.1s	25.39	347	eP	P	03 52 31.7	+1.0	CISI	SNR=26	Cisompet, Garu	29.23	155	PF	FAKE	LR	03 53 20.0	+15	SNY	comp=Z,450nm,3.5s		LR	LR				
WMQ	comp=Z,62nm,0.8s				LR			CISI										SNY	comp=Z,2µm,17.4s		LR	LR				
WMQ	comp=Z,300nm,19.0s	25.39	347	eP	P	03 52 31.9	+1.0	ARSB	comp=Z,1µm,20.0s	Arslanbob	29.26	324	eP	P	03 53 06.0	+0.2	SNY	comp=Z,1µm,26.0s		LR	LR					
WMQ	comp=Z,62nm,0.8s			pmax	pmax			AAK	comp=Z,40nm,1.1s	Ala-Archa	29.36	327	P	P	03 53 07.2	+0.6	TLY	comp=Z,2µm,20.6s	32.99	9	eP	P	03 53 39.7	+1.4		
HHC	comp=Z,300nm,19.0s	25.51	29	eP	P	03 52 33.0	+1.0	AAK	comp=Z,46nm,0.9s,baz=130,slow=6.1,SNR=87								TLY	Talaya	comp=Z,38nm,1.4s		ePcP	PcP	03 56 22.6	+0.7		
HHC	Hu-ho-hao-te			S	S	03 57 02.5	+4.3	AAK	comp=Z,899nm,20.0s,baz=132,slow=1									TLY	Talaya	comp=Z,2µm,19.0s	32.99	9	eP	P	03 53 39.7	+1.4
HHC	comp=Z,190nm,1.2s			S	S			AAK	SNR=65	Ala-Archa	29.36	327	P	P	03 53 07.4	+0.8	TLY	Talaya	comp=Z,38nm,1.4s		eP	P	03 56 22.6	+0.7		
HHC	comp=Z,880nm,5.2s			pmax	pmax			AAK	comp=Z,400nm,20.0s	Ala-Archa	29.36	327	i	P	03 53 07.0	+0.3	TLY	Talaya	comp=Z,2µm,19.0s		eP	P	03 53 39.7	+1.4		
HHC	comp=Z,6µm,10.2s			LR	LR			AAK	SNR=24	Ala-Archa	29.36	327	P	P	03 53 06.2	-0.4	TLY	Talaya	comp=Z,38nm,1.4s		pmax	pmax				
HHC	comp=Z,4µm,12.2s			LR	LR			AAK	comp=Z,89nm,1.1s	Ala-Archa	29.36	327	P	pmax	03 53 07.6	+1.0	TLY	Talaya	comp=Z,2µm,19.0s	32.99	9	P	P	03 53 39.6	+1.4	
HHC	comp=Z,5µm,10.3s			LR	LR			AAK	SNR=51	Ala-Archa	29.36	327	P	P	03 53 05.2	-1.6	TLY	Talaya	SNR=15		P	P				
CSE	Cherat	25.60	309	P	P	03 52 32.8	-0.2	KUU	comp=Z,855nm,14.0s	Kury Kurty	29.40	331	eP	P	03 53 05.3	-1.6	SPSI	SNR=15	Sidrap Palu	comp=Z,244nm,1.3s,comp=Z,2µm	33.13	132	P	P	03 53 41.6	+1.7
SSE	Sheshan	25.93	58	S	S	03 52 37.7	+1.9	KUU	comp=Z,20nm,1.3s								SRBI	Singaraja	comp=Z,41nm,1.5s		P	P	03 53 45.7	+4.1		
SSE	comp=Z,440nm,0.8s			S	S	03 57 09.6	+4.8	KUU	comp=Z,855nm,14.0s								LUWI	Luwuk	comp=Z,175nm,1.1s,comp=Z,4µm	33.44	124	P	P	03 53 43.7	+1.1	
SSE	comp=Z,220nm,3.6s			pmax	pmax			KUU	comp=Z,20nm,1.3s	Kury Kurty	29.40	331	eP	P	03 53 05.3	-1.6	KMSI	Cibinong	comp=Z,20nm,1.4s		P	P	03 53 54.5	+1.2		
SSE	comp=Z,2µm,5.1s			LR	LR			KUU	comp=Z,855nm,14.1s			eLR	LR	04 07 31.2		KS15	Wonju Array Si	comp=Z,20nm,1.4s		P	P	03 53 40.8	-2.0			
SSE	comp=Z,980nm,5.7s			LR	LR			FRU1	Bishkek	29.42	328	P	PF	FAKE	LR	03 53 20.0	+13	KRSR	Korea Array	comp=Z,3.3nm,0.9s,baz=247,slow=9.3,SNR=6.8	33.52	50	eP	P	03 53 40.8	-2.3
YOJ	Yonaguni jima	25.95	74	P	FAKE	03 52 50.0	+1.4	FRU1	comp=Z,700nm,18.0s								IRK	Irkutsk	comp=Z,3.3nm,0.9s,baz=247,slow=9.3,SNR=6.8	33.52	50	eP	P	03 53 44.9	+1.0	
YOJ	comp=Z,900nm,19.0s			LR	LR			AML	Almayashu	29.42	326	P	P	03 53 07.4	0.0	IRK	Irkutsk	comp=Z,3.3nm,0.9s,baz=247,slow=9.3,SNR=6.8	33.52	50	eP	P	03 53 44.9	+1.0		
KSH	Kashi	26.36	324	P	P	03 52 39.4	-0.4	ZSN	SNR=86	Zaisan	29.47	345	eP	pmax	03 53 06.3	-1.0	IRK	Irkutsk	comp=Z,3.3nm,0.9s,baz=247,slow=9.3,SNR=6.8	33.52	50	eP	P	03 53 44.9	+1.0	
KSH	comp=Z,160nm,0.7s			sP	sP	03 52 48.5	+1.3	ZSN	comp=Z,5.0nm,1.2s								BNSI	Bone	comp=Z,101nm,2.5s		P	P	03 53 45.1	+0.5		
KSH	comp=Z,330nm,5.4s			PP	PP	03 53 23.8	-1.6	ZSN	comp=Z,4.7nm,1.2s								KAPI	Kappang	comp=Z,33nm,1.3s,comp=Z,1µm	33.68	132	P	P	03 53 45.1	+0.5	
KSH	comp=Z,1µm,12.4s			S	S	03 57 08.1	-3.6	ZSN	comp=Z,4.7nm,1.2s								KAPI	Kappang	comp=Z,158nm,1.2s		eP	P	03 53 46.1	-0.1		
KSH	comp=Z,3µm,13.0s			SS	SSn	03 58 17.1	+4.2	CHMS	Chumysh	29.49	328	P	P	03 53 08.9	+0.4	KAPI	Kappang	comp=Z,158nm,1.2s		eP	pmax	pmax	03 53 46.2	-0.1		
KSH	comp=Z,160nm,0.7s			pmax	pmax			KPJ1	Karang Pucung	29.50	152	P	P	03 53 08.9	+1.1	KAPI	Kappang	comp=Z,158nm,1.2s		pmax	pmax	03 53 46.2	-0.1			
KSH	comp=Z,330nm,5.4s			LR	LR			MK01	Makanchi Array	29.55	341	eP	P	03 53 06.7	-1.4	KAPI	Kappang	comp=Z,158nm,1.2s		P	P	03 53 46.1	-0.1			
KSH	comp=Z,1µm,12.4s			LR	LR			MK01	Makanchi Array	29.55	341	eP	P	03 56 11.9	-0.9	JLN	Jalan Bani Buh	SNR=26	33.82	132	P	P	03 53 49.2	+2.5		
KSH	comp=Z,3µm,13.0s			LR	LR			MK31	Makanchi Array	29.57	341	eP	P	03 56 14.2	+1.3	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
KSH	comp=Z,3µm,13.0s			LR	LR			MK31	Makanchi Array	29.57	341	i	P	03 53 07.7	-0.6	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
TARG	Taragay, Kyrgy	27.05	330	eP	P	03 52 46.8	+0.5	MK32	comp=Z,16nm,0.7s	29.57	341	eP	P	03 53 07.8	-0.5	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
TARG	Baijatiuau	27.24	36	eP	P	03 56 07.2	-0.1	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4	MK32	Makanchi Array	29.57	341	eP	P	03 56 13.3	+0.4	KURB	Kurchatov Arra	comp=Z,13nm,0.8s,baz=169,slow=2.5,SNR=14.5	34.12	341	PcP	PcP	03 56 25.4	+0.4		
BJT	Baijatiuau	27.24	36	eP	P	03 52 48.9	+1.4																			



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WBSI, ALNE, NAZ, FAQ, GEYT, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TEY, AKTO, AKTO, LKRN, SVE, SVE, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YAK, YAK, YAK, GENI, DAMY, ZEI, etc.

Table with columns: Station, Frequency, Mode, Power, SNR, and other metrics. Includes stations like Alice Springs, Klimovskoe, Ankara, etc.

Table with columns: Station, Frequency, Mode, Power, SNR, and other metrics. Includes stations like PLORE, PLORE, TESLA, etc.

Table with columns: Station, Frequency, Mode, Power, SNR, and other metrics. Includes stations like FNA Florina, DRO Drossia, etc.

Table with columns for station call letters, frequency, time, and other details. Includes stations like PVCC, PERS, PRU, BOJS, SOKA, NSS, BRG, BRG, BRG, BRG, BRG, OBKA, MOA, NLV, LJU, CEY, NC405, RIV, CEL, GEC2, GERES, GERES, GERES, GEA0, NC602, NC602, KHC, KHC, KHC, NC303, NB201, CLL, CLL, CLL, CLL, CLL, CLL, CLL, CLL, NB2, NB2, NOA, NOA, CADS, MYKA, NOA01, NC204, TRI, TRI, TRI, NB000, TBLU, KBA, OSK, OSK, NKC, NKC, NBTA, DOMB, MOX, KONO, KONO, KONO, AQU, AQU, AQU, GRF, GRF, GRFO, GRFO, WTTA, SKAR, WATA, MOL, MUD, MUD, MUD.

Table with columns for station call letters, frequency, time, and other details. Includes stations like SQT, AKN, CLTB, RETA, FETA, ODD1, ARMA, FUORN, BLS5, DAVA, STU, STU, STU, TOO, TOO, VLC, BER, TUE, BFO, BFO, CAN, CAN, CAN, LSZ, LSZ, LSZ, LSZ, ECH, ECH, SENI, WLF, WLF, WLF, LPL, LPL, BNI, BNI, BNI, CABF, CABF, KEST, KEST, SPIA, CRZF, RDOG, RDOG, ANM, ANM, ANM, ANM, DAG, DAG, SSB, SSB, SSB, VIVF, VIVF, CMAH, ABSA, CAEH, CKFL, CLF, DFRA, EDM, EDM, HPK, HPK, EBL, EDI, EDI, CAF, CAF, ESK, ESK, ESK, ESK, ESK, ESK, LFF, LFF, LFF, LAW, LAW, MCH1, DZM, DZM, DZM, IMC, IMC, IMC, SCO, SCO, SCO, SCO.

Table with columns for station call letters, frequency, time, and other details. Includes stations like TOLK, TOLK, TOLK, LBTB, LBTB, LBTB, RSBS, RSBS, COLD, COLD, SVW2, SVW2, MLY, MLY, CAST, CAST, BPAW, PPLA, PPLA, TAM, BOSA, BOSA, BWN, BWN, TRF, TRF, TRF, MDM, FYU, COLA, COLA, COLA, POKR, SUMG, SUMG, SUMG, SUMG, WRH, CART, RND, RND, RND, RND, RND, RND, ILAR, ILAR, ILAR, ILB, PRP, PRP, HDA, HDA, HDA, SUA, TULEE, PMR, PMR, PMR, RC01, BRLK, SML, SML, SML, KULLO, KULLO, KULLO, KNK, ESOC, ESOC, ESOC, ESOC, RIDG, SCRK, PAX, PAX, PAB, PAB, FOT, FOT, FOT, INK, INK, INK, EGAK, JBK, KLU, MENT, RES, RES, RES, EPYK.

EPYK	comp=Z,800nm,19.0s	LR	LR		
EPYK	<b>Eagle Plains</b>	86.16	19 P	P	03 59 42.7 -1.6
PBRG	<b>Braganca</b>	86.18	313 eP	P	03 59 45.7 +0.8
DIV	<b>Divide</b>	86.18	25 eP	P	03 59 44.6 +0.1
HORN	<b>Hornachuelos</b>	86.60	309 P	P	03 59 47.4 +0.5
MVO	<b>Moncorvo</b>	86.62	312 eP	P	03 59 48.3 +1.2
DAWY	<b>Dawson</b>	86.80	21 eP	P	03 59 47.3 -0.2
PVRL	<b>Vila Real</b>	87.06	313 eP	P	03 59 50.4 +1.2
PCAB	<b>Cabrill</b>	87.10	313 eP	P	03 59 50.2 +0.8
HMT	<b>Hamilton</b>	87.24	26 eP	P	03 59 50.6 +0.9
MTE	<b>Manteigas</b>	87.28	312 eP	P	03 59 50.7 +0.4
MTE	<b>Manteigas</b>	87.28	312 eP	P	03 59 52.0 +1.7
CEUT	<b>Ceuta</b>	87.37	307 P	P	03 59 51.3 +0.5
PVIS	<b>Viseu</b>	87.40	312 eP	P	03 59 52.6 +1.7
PCBR	<b>Castelo Branco</b>	87.45	311 eP	P	03 59 52.3 +1.2
SMIR	<b>Smir Dam</b>	87.49	307 P	P	03 59 50.0 +0.6
PMRV	<b>Marv???</b>	87.55	311 eP	P	03 59 50.8 -0.8
TGL	<b>Tana Glacier</b>	87.57	25 eP	P	03 59 51.9 +0.5
LCRM	<b>LCR</b>	87.83	305 P	P	03 59 55.0 +1.8
PESTR	<b>Estremoz</b>	87.91	310 eP	P	03 59 54.2 +0.9
MDT	<b>Midelt</b>	87.95	304 LR	LR	04 46 46.9
RSA	<b>Sarsar</b>	87.37	307 LR	LR	03 59 55.0 +0.5
PTOM	<b>Toma</b>	88.12	306 P	P	03 59 56.2 +1.6
PMTG	<b>Montargil</b>	88.28	311 eP	P	03 59 50.7 -4.4
EVO	<b>Evora</b>	88.34	310 eP	P	03 59 58.6 +3.2
PBEJ	<b>Beja</b>	88.44	310 eP	P	03 59 56.6 +0.8
ALMR	<b>Almeirim</b>	88.50	311 eP	P	03 59 56.9 +0.8
ALMR	<b>Almeirim</b>	88.50	311 eP	P	03 59 57.3 +1.2
ALMR	<b>Almeirim</b>	88.50	311 eP	P	03 59 56.9 +0.8
ILULI	<b>Ilulissat</b>	88.62	349 eP	P	03 59 55.8 -0.2
ILULI	<b>Ilulissat</b>	88.62	349 eP	P	03 59 55.8 -0.2
GOLM	<b>Goulmine</b>	88.63	303 P	P	03 59 59.0 +2.0
PCVE	<b>Castro Verde</b>	88.72	309 P	P	03 59 58.6 +1.5
PBDV	<b>Barranco-do-Ve</b>	88.79	309 eP	P	03 59 59.3 +1.8
PNCL	<b>Nicolau / Gran</b>	88.88	310 eP	P	03 59 59.4 +1.5
PCA	<b>Pinnacle</b>	88.99	25 eP	P	03 59 59.4 +1.3
PTEO	<b>Sao Teotónio</b>	89.25	310 eP	P	04 00 01.4 +1.8
MORF	<b>Marmelete</b>	89.29	309 eP	P	04 00 00.7 +0.8
MORF	<b>Marmelete</b>	89.29	309 eP	P	04 00 02.8
MORF	<b>Marmelete</b>	89.29	309 eP	P	04 00 01.7 +1.8
MORF	<b>Marmelete</b>	89.29	309 eP	P	04 00 00.7 +0.8
TOAO	<b>Torodi Ar. Sit</b>	89.34	284 eP	P	04 00 00.7 +0.2
TOA1	<b>Torodi Ar. Sit</b>	89.34	284 eP	P	03 59 59.4 -1.1
TOA1	<b>Torodi Ar. Sit</b>	89.34	284 eP	P	04 03 28.9 -2.5
TORD	<b>Torodi Ar. Bea</b>	89.34	284 eP	P	03 59 59.4 -1.1
TORD	<b>Torodi Ar. Bea</b>	89.34	284 eP	P	04 03 28.9 -2.5
TORD	<b>Torodi Ar. Bea</b>	89.34	284 eP	P	04 06 45.2
PVFI	<b>Vila Bispo</b>	89.49	309 eP	P	04 00 02.5 +1.7
HYT	<b>Haines Junctio</b>	89.57	27 P	P	04 00 01.4 +0.6
MAW	<b>Mawson</b>	89.88	192 P	P	04 00 01.7 0.0
MAW	<b>Mawson</b>	89.88	192 eP	P	04 35 45.4
MAW	<b>Mawson</b>	89.88	192 eP	P	04 00 01.7 0.0
MAW	<b>Mawson</b>	89.88	192 eP	P	04 00 01.7 0.0
OUZM	<b>Ouz</b>	90.36	303 P	P	04 00 00.0 +2.8
SFJD	<b>Kangerlussuaq</b>	90.42	347 P	P	04 00 04.2 -0.3
SFJD	<b>Kangerlussuaq</b>	90.42	347 P	P	04 00 03.7 -0.8
SFJD	<b>Kangerlussuaq</b>	90.42	347 eP	P	04 00 04.2 -0.3
SKAG	<b>Skagway</b>	91.29	23 eP	P	04 00 10.2 +1.5
LTZ	<b>Lake Taylor</b>	93.52	134 PFAKE	LR	04 00 30.0 +11
HIZ	<b>Haiti</b>	93.73	129 PFAKE	LR	04 00 30.0 +10
DLBC	<b>Dease Lake</b>	93.96	22 eP	P	04 00 22.6 +1.5
YKW3	<b>Yellowknife Ar</b>	95.05	14 eP	P	04 00 24.7 -1.2
YKA	<b>Yellowknife Ar</b>	95.11	14 P	P	04 00 23.9 -2.3
YKA	<b>Yellowknife Ar</b>	95.11	14 P	P	04 04 11.5 -3.6
YKA	<b>Yellowknife Ar</b>	95.11	14 P	P	04 17 19.9 -1.1
YKA	<b>Yellowknife Ar</b>	95.11	14 P	P	04 49 53.7
YKB5	<b>Yellowknife Ar</b>	95.11	14 eP	P	04 00 24.7 -1.5
BFZ	<b>Birch Farm</b>	95.51	131 PFAKE	LR	04 00 40.0 +12
RAO	<b>Raoul Island</b>	96.24	119 eP	P	04 00 32.7 +0.8
RAO	<b>Raoul Island</b>	96.24	119 eP	P	04 00 32.7 +0.8
DBIC	<b>Dimbokro</b>	97.61	280 P	P	04 00 38.7 +0.1
DBIC	<b>Dimbokro</b>	97.61	280 P	P	04 04 33.5 -2.7
DBIC	<b>Dimbokro</b>	97.61	280 eP	P	04 00 39.1 +0.5
DBIC	<b>Dimbokro</b>	97.61	280 eP	P	04 04 33.6
DBIC	<b>Dimbokro</b>	97.61	280 eP	P	04 04 33.5 -2.7
DBIC	<b>Dimbokro</b>	97.61	280 eP	P	04 00 39.1 +0.5
DBIC	<b>Dimbokro</b>	97.61	280 eP	P	04 04 33.6
MWH	<b>Mokuaweowe</b>	100.30	65 PFAKE	LR	04 01 00.0 +8.9
UWB	<b>Uwekahuna B</b>	100.60	65 PFAKE	LR	04 01 00.0 +8.0
SDHH	<b>Sand Hill</b>	100.60	65 PFAKE	LR	04 01 00.0 +8.0
NPH	<b>North Pit</b>	100.60	65 PFAKE	LR	04 01 00.0 +8.0
SCHO	<b>Schefferville</b>	104.71	350 P	P	04 16 52.5 -2.6
G06A	<b>Carlson Farm</b>	107.86	26 PFAKE	LR	04 05 40.0 +9.0
BMO	<b>Blue Mountains</b>	109.51	24 PFAKE	LR	04 05 50.0 +1.6
BMO	<b>Blue Mountains</b>	109.51	24 PFAKE	LR	04 05 50.0 +1.6

ULM	<b>Lac du Bonnet</b>	110.08	8 PFAKE	LR	04 05 33.7 -1.2
DLMT	<b>Dillon</b>	110.78	21 PFAKE	LR	04 05 50.0 +1.3
O03E	<b>Paynes Creek</b>	111.29	30 P	PKIKP	04 05 38.9 +1.2
LSQO	<b>Label-sur-Cuev</b>	111.69	355 P	PKIKP	04 05 37.4 -0.6
HLID	<b>Halley</b>	111.71	23 P	PKIKP	04 05 38.2 -0.2
RLMT	<b>Red Lodge</b>	112.06	19 P	PKIKP	04 05 38.8 -0.4
H17A	<b>Grant Village</b>	112.31	20 PFAKE	LR	04 05 50.0 +1.0
LMN	<b>Caledonia Moun</b>	112.82	345 PFAKE	LR	04 05 50.0 +1.0
LOHW	<b>Long Hollow</b>	112.99	20 PFAKE	LR	04 05 50.0 +9.0
HAL	<b>Halifax</b>	113.65	344 PFAKE	LR	04 05 50.0 +8.2
GGN	<b>Saint George</b>	113.98	346 PFAKE	LR	04 05 50.0 +7.5
BW06	<b>Boiler Array</b>	114.09	20 P	PKIKP	04 05 42.2 -0.9
PDAR	<b>Pinedale Array</b>	114.09	20 PKP	PKIKP	04 05 41.6 -1.5
E51A	<b>C1948 Merrick</b>	114.39	356 P	PKIKP	04 05 42.4 -0.9
NV01	<b>Mina Array Sit</b>	114.41	29 ePP	PP	04 06 45.1 +6.2
NVAR	<b>Mina Array Bea</b>	114.41	29 PKP	PKIKP	04 05 43.1 -0.7
NVAR	<b>Mina Array Bea</b>	114.41	29 PKP	PKIKP	04 06 45.1 +6.2
E53A	<b>Dumoine, Ponti</b>	114.41	355 P	PKIKP	04 05 42.1 -1.2
RSSD	<b>Black Hills</b>	114.44	15 P	PKIKP	04 05 43.3 -0.4
R48A	<b>Lockeey</b>	114.56	358 P	PKIKP	04 05 42.9 -0.7
E50A	<b>Wahnapit</b>	114.56	357 P	PKIKP	04 05 42.7 -0.9
E52A	<b>Mattawa</b>	114.58	356 P	PKIKP	04 05 42.4 -1.2
E43A	<b>Lone Tree Farm</b>	114.65	2 PFAKE	LR	04 06 00.0 +1.6
F40A	<b>Park Falls</b>	114.95	4 P	PKIKP	04 05 42.4 -2.0
F51A	<b>Arnstein</b>	115.02	357 P	PKIKP	04 05 44.2 -0.3
F21A	<b>Sundridge</b>	115.11	356 P	PKIKP	04 05 43.0 -1.7
K22A	<b>Casper</b>	115.13	18 P	PKIKP	04 05 43.7 -1.3
DUG	<b>Dugway, Toolee</b>	115.22	24 P	PKIKP	04 05 44.7 -0.5
F49A	<b>Sandfield</b>	115.27	358 P	PKP	04 05 45.8 +0.9
F46A	<b>Madawaw City C</b>	115.30	0 P	PKIKP	04 05 44.6 -0.4
R11A	<b>Troy Canyon, C</b>	115.67	27 ePKP	PKP	04 05 46.1 -0.1
R11A	<b>Troy Canyon, C</b>	115.67	27 P	PKIKP	04 05 44.9 -1.3
BANO	<b>Baroff</b>	115.78	355 P	PKIKP	04 05 44.7 -1.3
H39A	<b>Augusta</b>	116.08	5 P	PKIKP	04 05 45.5 -1.1
CWC	<b>Cottonwood Cre</b>	116.13	30 P	PKIKP	04 05 47.0 -0.1
H40A	<b>Chili</b>	116.22	5 P	PKIKP	04 05 45.4 -1.4
ECSD	<b>EROS Data Cent</b>	116.34	10 ePKP	PKP	04 05 46.8 -0.4
MPMC	<b>Alatal Prospec</b>	116.71	30 P	PKIKP	04 05 48.6 +0.3
I39A	<b>Houston</b>	116.88	6 P	PKP	04 05 45.9 -2.3
O20A	<b>White River Ci</b>	116.89	20 ePKP	PKP	04 05 47.6 -0.9
O20A	<b>White River Ci</b>	116.89	20 P	PKP	04 05 47.1 -1.5
N23A	<b>Red Feather La</b>	116.91	18 PFAKE	LR	04 06 00.0 +1.1
SHRP	<b>Sheep Range</b>	117.40	28 ePKP	PKP	04 05 50.3 +0.8
SHOC	<b>Shoshone, Tece</b>	117.41	29 P	PKIKP	04 05 49.6 +0.2
EDW2	<b>Edwards Air Fo</b>	117.43	31 P	PKIKP	04 05 49.6 +0.1
HRV	<b>Adam Dziwowski</b>	117.43	349 P	PKP	04 05 47.7 -1.5
GSC	<b>Goldstone, Bar</b>	117.65	30 P	PKIKP	04 05 50.1 +0.1
J49A	<b>Harlette</b>	117.70	359 P	PKIKP	04 05 50.4 +0.7
JFWS	<b>Jewell Farm</b>	117.92	5 P	PKP	04 05 48.1 -2.1
SMCO	<b>Snowmass</b>	118.17	20 ePKP	PKP	04 05 51.0 -0.2
BGNE	<b>Belgrade</b>	118.33	12 ePKP	PKP	04 05 50.5 -0.5
BGNE	<b>Belgrade</b>	118.33	12 P	PKP	04 05 49.6 -1.4
BINY	<b>Binghamton</b>	118.38	353 P	PKP	04 05 50.3 -0.8
PPT2	<b>Papeete2</b>	118.48	100 eSS	SS	04 23 26.2 +0.5
PPT2	<b>Papeete2</b>	118.48	100 eLR	LR	04 42 04.2
GMRC	<b>Granite Mounta</b>	118.61	29 P	PKIKP	04 05 52.4 +0.5
SCIA	<b>State Center</b>	118.62	7 P	PKP	04 05 50.4 -1.2
L55A	<b>Hinsdale</b>	118.64	355 P	PKP	04 05 50.7 -0.9
L54A	<b>Sinclairville</b>	118.66	356 P	PKP	04 05 50.0 -1.6
U15A	<b>North Rim</b>	118.68	25 ePKP	PKP	04 05 53.1 +0.9
L40A	<b>Anamosa</b>	118.68	6 P	PKP	04 05 52.4 +0.7
YLE	<b>Yale</b>	118.82	350 PFAKE	LR	04 06 00.0 +8.1
BELC	<b>Belle Mtn. Jos</b>	119.10	30 P	PKP	04 05 52.8 0.0
M39A	<b>Webster</b>	119.16	7 P	PKP	04 05 51.3 -1.3
TPFO	<b>Pinon Flats</b>	119.20	30 P	PKIKP	04 05 53.7 +0.6
IRM	<b>Iron Mountain</b>	119.36	29 P	PKIKP	04 05 53.9 +0.6
M55A	<b>Ridgway</b>	119.38	355 P	PKP	04 05 51.8 -1.2
M54A	<b>Oil Creek Stat</b>	119.40	356 ePKP	PKP	04 05 52.5 -0.5
M54A	<b>Oil Creek Stat</b>	119.40	356 P	PKP	04 05 52.3 -0.8
MVCO	<b>Mesa Verde</b>	119.43	22 ePKP	PKP	04 05 53.6 0.0
MVCO	<b>Mesa Verde</b>	119.43	22 P	PKP	04 05 53.2 -0.3
M52A	<b>Chesterland</b>	119.46	357 PFAKE	LR	04 06 00.0 +6.8
S22A	<b>4R Ranch, Cre</b>	119.52	20 ePKP	PKP	04 05 54.0 +0.1
S22A	<b>4R Ranch, Cre</b>	119.52	20 P	PKP	04 05 53.6 -0.2
M53A	<b>W Miller and&lt;/</b>				









Code	Station Name	Δ° AZ°	Phase ID	Time	Res
Code	Station Name	Δ° AZ°	Phase ID	Time	Res
CMAR	0.6m,0.3s,baz=98,slow=6.6,SNR=5.1		LR	05 43 40.3	
KLK	comp=Z,45m,18.2s,baz=120,slow=36 Kul'dur 53.93 347 P		P	05 20 54.6 +0.5	
CD2	0.9m,0.8s,baz=140,slow=5.3,SNR=2.2		P	05 20 54.6 -1.3	
CD2	comp=Z,20m,0.5s Hu-ho-hao-te 54.93 326 eP		P	05 21 02.4 +0.5	
HHC	comp=Z,14m,0.7s		S	05 28 41.6 -1.0	
HHC	comp=Z,81m,5.2s		pmax		
HHC	comp=N,300m,19.0s		LR		
HHC	comp=E,250m,18.1s		LR		
HHC	comp=Z,540m,18.1s		LR		
PETK	Petropavlovsk-56.42 7 eP		P	05 21 13.8 +1.6	
PETK	2.1m,0.7s,baz=203,slow=7.0,SNR=2.6		LR	05 42 30.0	
PEA1	comp=Z,57m,21.7s,baz=174,slow=33		LR		
LZH	Petropavlovsk-56.42 7 eP		P	05 21 13.8 +1.6	
LZH	56.75 317 eP		P	05 21 18.4 +3.3	
LZH	0.5m,0.8s,baz=107,slow=10.0,SNR=4.6		pP	05 21 23.5 -0.3	
LZH	0.5m,0.8s,baz=107,slow=10.0,SNR=4.6		pP	05 21 26.4 +2.1	
LZH	comp=Z,19m,1.0s		pmax		
SONA	Songino Array 62.37 330 eP		P	05 21 54.8 +1.1	
SONM	Songino Array 62.37 330 eP		P	05 21 54.8 +1.1	
SONM	0.8m,0.7s,baz=128,slow=3.9,SNR=8.8		LR	05 49 01.8	
PPT2	comp=Z,163m,19.9s,baz=132,slow=36		LR	05 40 31.7	
WMQ	Papeete2 62.65 108 eP		LR	05 40 31.7	
WMQ	comp=Z,190m,26.2s		P	05 22 51.2 +0.6	
WMQ	Urumqi 71.31 318 eP		LR		
WMQ	comp=N,190m,24.3s		LR		
WMQ	comp=E,160m,20.9s		LR		
WMQ	comp=Z,160m,22.1s		LR		
VNDA	Vanda 74.87 177 P		P	05 23 10.3 -0.7	
VNDA	1.5m,0.8s,baz=339,slow=5.9,SNR=7.2		LR	05 54 36.3	
VNDA	comp=Z,96m,18.3s,baz=350,slow=34		LR		
VNDA	Vanda 74.87 177 eP		P	05 23 11.6 +0.6	
VNDA	74.87 177 eP		P	05 23 12.3 +1.3	
MK01	Makanchi Array 75.93 320 eP		P	05 23 16.5 -1.2	
MK02	Makanchi Array 75.93 320 eP		P	05 23 16.4 -1.3	
MKAR	Makanchi Array 75.93 320 eP		P	05 23 16.4 -1.3	
MKAR	0.5m,0.8s,baz=107,slow=10.0,SNR=4.6		LR	05 57 13.3	
ZALV	comp=Z,134m,18.9s,baz=93,slow=36		LR	05 57 07.7	
ZALV	Zalesovo Beam 77.10 327 eP		P	05 23 24.5 +0.4	
ZALV	Kurchatov 79.52 323 eP		P	05 23 37.8 +0.3	
ZALV	comp=Z,125m,19.5s,baz=68,slow=35		LR	05 23 24.5 +0.4	
ZAA1	Zalesovo Array 77.11 327 eP		P	05 23 37.8 +0.3	
KURKB	Kurchatov 79.52 323 eP		P	05 23 37.8 +0.3	
KURBB	Kurchatov Arra 79.54 323 eP		P	05 23 35.9 -1.8	
RND	1.0m,0.9s,baz=115,slow=5.2,SNR=3.8		P	05 23 50.9 +6.3	
IL1	Reindor 80.85 24 eP		P	05 23 50.7 -1.0	
ILAR	Eielson Array 82.21 23 eP		P	05 23 54.0 +2.4	
ILAR	Eielson Array 82.21 23 eP		P	05 23 50.7 -1.0	
ILAR	0.4m,0.8s,baz=251,slow=5.5,SNR=6.6		LR	05 57 54.9	
ILB	comp=Z,57m,19.0s,baz=240,slow=34		LR	05 57 54.9	
ILB	Eielson Array 82.21 23 eP		P	05 23 53.2 +1.5	
NRIK	8.8m,1.6s		LR	05 57 40.8	
NRIK	North'sk 82.76 342 LR		LR	05 57 40.8	
BVAR	comp=Z,92m,20.6s,baz=93,slow=33		LR	05 40 58.4 -0.6	
BVAR	Borovyoye Array 85.04 324 P		P	05 40 58.4 -0.6	
MAW	1.0m,0.5s,baz=99,slow=7.4,SNR=4.7		LR	06 01 58.6	
H02S1	Mawson 85.20 303 LR		LR	06 01 58.6	
BBT	comp=Z,39m,18.9s,baz=109,slow=35		LR	06 01 58.6	
BBT	Bella Bella 88.42 38 LR		LR	06 01 58.6	
BYB	comp=Z,132m,18.8s,baz=274,slow=31		LR	06 01 58.6	
BYB	Alibek 91.87 308 LR		LR	06 01 58.6	
AKTO	comp=Z,65m,21.8s,baz=45,slow=36		LR	06 05 53.0	
AKTO	Aktyubinsk 92.38 320 LR		LR	06 05 53.0	
NV01	comp=Z,116m,20.1s,baz=69,slow=35		LR	05 24 51.8 -0.2	
NV01	Mina Array Sit 94.54 52 eP		P	05 24 51.8 -0.2	
NV01	Mina Array Bea 94.54 52 eP		P	05 24 52.2 +0.2	
NVAR	0.1m,0.4s,baz=321,slow=2.4,SNR=2.1		LR	06 00 06.2	
NVAR	comp=Z,107m,20.4s,baz=298,slow=31		LR	06 00 06.2	
YKA	Yellowknife Arr 95.92 28 P		P	05 24 57.5 +0.2	
YKA	0.8m,0.7s,baz=271,slow=4.6,SNR=9.0		LR	06 05 31.9	
YKB5	comp=Z,7.0m,20.0s,baz=250,slow=34		P	05 24 57.5 +0.2	
TORD	Yellowknife Ar 83.95 27 P		P	05 24 57.5 +0.2	
TORD	Torodi Ar. Bea 145.38 289 PKPbc		PKPbc	05 31 08.9 -0.8	
TOA1	1.5m,0.9s,baz=29,slow=3.2,SNR=8.0		PKPbc	05 31 08.9 -0.8	
TOA1	Torodi Ar. Sit 145.39 289 ePKPbc		PKPbc	05 31 08.9 -0.8	

ISCJ 11 05:23:08.8,3.65°09N,112°54E,h0km,mb3.1/3, mb1 3.4/4,mb1mx3.158,mbtmpp3.3/4,ML2.8/1. Error ellipse: s-maj=267.9km s-min=24.8km az=144.0, Northern and central Siberia

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
Code	Station Name	Δ° AZ°	Phase ID	Time	Res
TIXI	Tiksi 8.89 35 Sn		Sn	05 26 54.7 -4.2	
TIXI	0.2m,0.3s,baz=346,slow=9.2,SNR=1.6		Lg	05 27 28.8	
TIXI	0.3m,0.3s,baz=305,slow=17,SNR=2.4		Lg	05 27 28.8	
TIXI	Zalesovo Beam 17.77 244 P		P	05 27 18.5 +0.4	
KURBB	0.2m,0.3s,baz=47,slow=10,SNR=3.8		P	05 28 11.4 -1.2	
KURBB	Kurchatov Arra 22.79 247 P		P	05 28 11.4 -1.2	
MKAR	0.7m,0.7s,baz=39,slow=11,SNR=6.5		P	05 28 30.6 +0.7	
MKAR	Makanchi Array 24.55 236 P		P	05 28 30.6 +0.7	
ILAR	0.2m,0.4s,baz=45,slow=8.4,SNR=2.3		P	05 30 29.9 -0.1	
ILAR	Eielson Array 38.26 43 P		P	05 30 29.9 -0.1	
ILAR	0.1m,0.5s,baz=302,slow=6.2,SNR=5.0		P	05 30 29.9 -0.1	
ISCJB	11 05:37:43.4,0.7,13°11N,0°1:143°3E:0.1,h200km,mb3.4/9, Error ellipse: s-maj=18.1km s-min=13.9km az=155.6				
ISCJ	11 05:37:45.9,1.1,13°10N,143°56E,h214km,12km,mb3.2/9, mb1 3.4/9,mb1mx3.2/46,mbtmpp3.7/9, Error ellipse: s-maj=31.9km s-min=15.0km az=100.0				
ISCJ	11 05:37:44.7,0.6,13°11N,0°2:143°4E:0.1,h200km,n10, s=092°11,mb3.3/9,Southern Mariana Islands				
GUMO	Guam 1.54 72 P		P	05 38 19.1 +0.4	
GUMO	6.8m,0.3s,baz=0.0,slow=10.6,SNR=1.7		Sn	05 38 46.2 +1.1	
GUMO	24m,0.3s,baz=180,slow=23,SNR=7.3		S	05 44 10.0 0.0	
WRM	Warramunga Arr 34.02 195 P		P	05 44 10.0 0.0	
ASAR	1.2m,0.7s,baz=16,slow=9.6,SNR=1.2		P	05 44 11.5 +0.3	
ASAR	Alice Springs 37.70 194 P		P	05 44 11.5 +0.3	
SONM	0.2m,0.3s,baz=22,slow=13,SNR=5.3		P	05 45 51.8 +1.3	
SONM	Songino Array 46.29 326 P		P	05 45 51.8 +1.3	
KURBB	0.4m,0.6s,baz=140,slow=6.7,SNR=3.1		P	05 47 57.3 +0.2	
KURBB	Kurchatov Arra 64.05 320 P		P	05 47 57.3 +0.2	
BVAR	0.7m,0.6s,baz=100,slow=6.4,SNR=8.9		P	05 48 31.7 +0.8	
BVAR	Borovyoye Array 69.40 322 P		P	05 48 31.7 +0.8	
ILAR	1.3m,0.5s,baz=90,slow=7.2,SNR=5.6		P	05 48 31.1 -0.9	
ILAR	Eielson Array 69.62 25 P		P	05 48 31.1 -0.9	
YKA	0.3m,0.6s,baz=250,slow=6.1,SNR=7.7		P	05 49 51.7 -0.4	
YKA	Yellowknife Ar 83.95 27 P		P	05 49 51.7 -0.4	
NVAR	0.3m,0.6s,baz=289,slow=5.5,SNR=3.3		P	05 50 13.7 -0.7	
NVAR	Mina Array Bea 88.36 51 P		P	05 50 13.7 -0.7	
FINES	0.2m,0.5s,baz=305,slow=3.3,SNR=2.0		P	05 50 24.6 -1.2	
FINES	FINES Array B 90.97 335 P		P	05 50 24.6 -1.2	
FINES	0.7m,0.5s,baz=35,slow=5.1,SNR=4.7		P	05 50 24.6 -1.2	

ISK 11 05:40:21.1,39°65N,33°92E,h5km,ML3.3/18  
DDA 11 05:40:21.0,39°67N,33°94E,h11km,2km,ML3.5  
ISCJB 11 05:40:22.0,0.3,39°66N,0°2:33°92E:0.02,h10km, Error ellipse: s-maj=2.7km s-min=2.6km az=158.4

ISC 11 05:40:21.5,1.0,39°67N,0°2:33°93E:0.02,h10km,10km, n41, s077°53, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
Code	Station Name	Δ° AZ°	Phase ID	Time	Res
DELI	KIRIKKALE 0.33 359 iP		Op	05 40 28.7 -0.9	
DELI	0.3m,0.3s,baz=150,slow=8.8,SNR=7.0		ISC	05 40 32.3 -0.3	
DELI	comp=Z,30m,0.2s		IAML_P		
CDAG	Cicekdag 0.35 97 iP		Pg	05 40 29.0 +0.5	
CDAG	0.35 97 iP		Pg	05 40 33.6 +0.5	
KIRS	Kirehir-Merke 0.53 181 iP		Sg	05 40 32.2 +0.3	
KIRS	0.53 181 iP		Sg	05 40 39.1 +0.1	
KIRS	comp=Z,7μm,0.1s		IAML_P		
BBAL	Bala 0.63 259 iP		Pn	05 40 35.8 -0.9	
BBAL	0.63 259 iP		Pn	05 40 43.8 0.0	
YAYX	Yaylak 0.73 187 PG		Sb	05 40 35.2 -0.5	
YAYX	0.73 187 PG		Sb	05 40 45.5 +0.2	
CORM	Corum 0.74 46 PG		Sg	05 40 35.8 -0.1	
CORM	0.74 46 PG		Sg	05 40 47.2 +0.2	
SERE	Serifikochisa 0.77 201 PG		Pg	05 40 36.1 -0.4	
ANTO	Ankara 0.90 283 PG		Pg	05 40 38.9 -0.4	
ANTO	0.90 283 PG		Pg	05 40 51.3 0.0	
SIFC	Eldivan 0.91 335 iS		Sb	05 40 54.4 0.0	
ELDT	0.91 335 iS		Sb	05 40 51.6 -0.1	
ELDT	comp=Z,6μm,0.2s		IAML_P		
LOD	Lodumlu 0.92 284 PG		Pb	05 40 39.4 -0.3	
LOD	0.92 284 PG		Pb	05 40 53.2 +0.2	
KKUL	Konya-Kulu 0.93 238 iP		Pg	05 40 39.8 0.0	
KKUL	0.93 238 iP		Pg	05 40 53.7 -0.5	
KULU	Kulu 0.95 229 PG		Pg	05 40 39.8 0.0	
SANC	Zankiri 0.97 346 PG		Pg	05 40 39.9 -0.2	
SIFC	Yozgat 1.00 109 iP		Pg	05 40 40.8 -0.3	
SIFC	1.00 109 iP		Sb	05 40 54.4 0.0	
COAL	Corum-Alaca 1.00 54 iP		Pg	05 40 40.2 -0.6	
COAL	comp=Z,3μm,0.2s		IAML_P		
AKSY	AKSARAY - Altı 1.02 187 iP		Pn	05 40 41.8 -0.3	
AKSY	1.02 187 iP		Sb	05 40 55.0 0.0	
AKSY	comp=Z,2μm,0.2s		IAML_P		
YOZG	Yozgat 1.08 91 PG		Pg	05 40 41.3 -0.9	
AVNS	Yevsehvir-Avano 1.12 140 iP		Pg	05 40 43.8 +0.4	
CHBY	Chibavlyi 1.35 217 PN		Pn	05 40 46.9 -0.1	
CMDR	Camlidere-ANKA 1.39 307 iP		Pg	05 40 48.7 +0.5	
SULT	Sultanhani-AKS 1.50 192 PN		Pn	05 40 49.4 -0.2	
GUNE	Kayseri 1.52 120 iP		Pg	05 40 51.2 +0.4	
KAGI	Korum-Kargı 1.53 16 iP		Pg	05 40 50.3 -0.6	
PELLI	Kastamonu-Ara 1.70 344 iP		Pb	05 40 53.2 +0.3	
PELLI	1.70 344 iP		Pb	05 40 53.2 +0.3	
PELLI	comp=Z,5μm,0.3s		IAML_P		
BNN	Bunyan 1.70 118 PN		Pb	05 40 52.5 -0.5	
KIBS	BOLU 1.76 296 iP		Pb	05 40 54.1 0.0	





















Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PDAR Pinedale Array, PDAR Pinedale Arr, PDAR Chiang Mai Arr, etc.

ICD 11 10:22:51.8...16.40S:178.63W, h0km, mb3.6/4, mb1 4.0/4, mb1mx3.6/30, mbtmp3.6/4, Error ellipse: s-maj=172.5km s-min=28.5km az=148.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, PDAR Pinedale Array, etc.

ICD 11 10:39:20.3...1.0, 23.64S:64.63W, h0km, mb3.6/3, mb1 4.0/8, mb1mx3.8/38, mbtmp3.7/8, ML3.8/5, MS3.0/2, Ms1 3.0/2, ms1mx2.7/25, Error ellipse: s-maj=18.7km s-min=17.4km az=45.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CPUP, CPUP Villa Florida, CPUP La Paz, etc.

ISCJB 11 10:45:49.6...1.4, 20.22S:0.03:177.5W:0.2, h100km, mb3.7/3, Error ellipse: s-maj=28.5km s-min=3.6km az=6.1

ICD 11 10:45:52.4...2.5, 30.17S:177.7W, h8km, 14km, mb3.5/3, mb1 3.7/4, mb1mx3.3/33, mbtmp3.8/4, Error ellipse: s-maj=51.9km s-min=25.7km az=104.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLKZ Green Lake, RAO Raoul Island, RAO Raoul Island, etc.

NIED 11 10:48:00, 20.70N:122.00E, h32km, MW4.2 Best double couple: M2: 03000+1015.11s+126.0000, 362.0000, 7.5.0000, NIP2: 36.0000, 385.0000, 7.152.0000

JMA 11 10:48:27.8...0.7, 20.67N:122.02E, h0km, MB3.8/10, mb1 3.9/12, mb1mx3.7/39, mbtmp3.8/12, ML3.1/2, MS3.3/12, Ms1 3.4/12, ms1mx3.1/53, Error ellipse: s-maj=26.3km s-min=17.1km az=73.0

NEIC 11 10:48:31.8...2.3, 20.69N:122.24E, h10km, 2km, mb4.4/3, Error ellipse: s-maj=19.2km s-min=5.1km az=100.0

ISCJB 11 10:48:32.9...0.5, 20.68N:122.24E, h0km, 4h0km, mb3.9/12, MS3.4/10, Error ellipse: s-maj=9.5km s-min=4.6km az=28.3

ISC 11 10:48:35.1...0.8, 20.71N:0.07:122.21E:0.08, h40km, n52, s156.93, mb3.9/12, MS3.3/4, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TWG Pinlang, YULB Yu-li, TPUB Ta-pu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM Songino Array, MK32 Makanchi Array, MKAR Makanchi Arr, etc.

SJA 11 10:52:48.7...0.7, 31.35S:64.75W, h68km, 5km, ML3.2, MW3.8, Cordoba Province

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

ISCJB 11 10:56:57.4...1.3, 28.45N:0.05:51.7E:0.1, h15km, Error ellipse: s-maj=16.2km s-min=6.1km az=170.2

TEH 11 10:56:58.3...28.43N:51.65E, h5km, ML3.1, OMAN 11 10:57:02.5...1.9, 23.48N:52.11E, h3km, ml3.1/3, Error ellipse: s-maj=37.5km s-min=32.5km az=227.0

ISC 11 10:56:57.1...5.2, 28.44N:0.06:51.7E:0.1, h15km, n11, s124.12, Southern Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IKAZ Kazeroun, IKAZ Kazeroun, SHI Shiraz, etc.

ICD 11 10:59:12.0...1.0, 20.78N:122.45E, h0km, mb3.4/6, mb1 3.8/8, mb1mx3.4/35, mbtmp3.4/8, ML2.8/2, MS3.0/2, Ms1 3.1/2, ms1mx2.5/31, Error ellipse: s-maj=30.2km s-min=20.2km az=78.0

ISCJB 11 10:59:14.9...0.8, 20.83N:0.10:122.6E:0.1, h33km, mb3.3/6, MS2.6/1, Error ellipse: s-maj=19.0km s-min=13.8km az=15.0

ISC 11 10:59:17.0...1.0, 20.80N:0.1:122.5E:0.2, h35km, n14, s129.83, mb3.3/6, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JOW Kunigami, KSRS Korea Array, CMAR Chiang Mai Arr, etc.

SJA 11 11:02:33.0...0.7, 23.74S:64.39W, h10km, ML2.9, MW4.0, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AZAP Zapla, AZAP Zapla, SLA San Lorenzo, etc.



MEX 11 11:09:09.1±0.3, 28.05N±1.1228W, h10km, MD3.5, Gulf of California

SJA 11 11:09:16.7±0.7, 23.74S±64.84W, h16km, 5km, ML2.6, MW3.6, Jujuy Province

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

ISK 11 11:17:43.6, 35.64N, 31.67E, h14km, ML3.9/31
NIC 11 11:17:43.6±0.1, 35.03N, 31.95E, h6km, mb4.0, ML3.7
DD 11 11:17:44.1, 35.65N, 31.69E, h40km, ML3.9

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

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

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

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

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

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

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

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

YER Karats 3.14 73 PN Pn 11 19 10.2 +2.4
KRTS Karats 3.14 73 PN Pn 11 18 34.5 +1.7
KARA Karaisali 3.16 59 PN Pn 11 18 35.2 +2.1

USAK Uak-Merkez 3.68 326 i P Pn 11 18 43.1 +2.8
KULA Kula-Manisa 3.70 321 i P Pn 11 18 41.6 +1.0

HWQ Hawqa 3.79 110 eP Pn 11 18 44.0 +2.2
KOZT Kozan 3.81 61 PN Pn 11 18 44.1 +2.1

ANDI Andirin 4.22 62 iS Pn 11 18 49.8 +2.0
SAIM ADANA 4.22 56 iP Pn 11 18 49.8 +2.1

ZKR Zakros 4.48 264 PN Pn 11 18 53.5 +2.3
ZKR Zakros 4.48 264 P Pn 11 18 52.5 +1.3

IDI Anoyia 4.92 258 P Pn 11 19 05.9 +0.2
IDI 4.92 258 P Pn 11 19 05.9 +0.2

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

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

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

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

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

ISAD Sadrabad 4.03 26 ePn Pn 11 51 38.7 +1.1
ISAD comp-Z,582nm,0.2s IAMB IAMB 11 51 39.6

NGRH Negar Kerman 4.69 72 ePn Pn 11 51 47.9 +1.1
KHGB Koli Gabri 4.74 63 ePn Pn 11 51 47.8 +0.5

WSAR comp-Z,1.6nm,0.3s,baz=310,slow=12,SNR=1.4
WSAR comp-Z,0.7nm,0.3s,baz=120,slow=20,SNR=5.1

NOA NOARSAR Array B 42.36 332 P Pn 11 58 29.0 -0.1
TORD Torodi Ar. Bea 48.71 263 P Pn 11 59 20.8 +0.9

WRA Warramunga Arr 93.16 111 P Pn 12 03 49.7 0.0
ASAR Alice Springs 94.59 114 P Pn 12 03 55.7 -0.5

IDC 11 11:52:48.2, 1.9, 11.38S±163.70E, h0km, mb3.8/5,
mb1.4/2.7, mb1mx3.9/3.5, mbtmp4.0/7.0, ML4.2, MS3.5/6,
Ms1.3/5.6, ms1mx3.1/2.5, Error ellipse: s-maj=55.7km
s-min=25.6km az=133.0

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

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

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

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

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

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

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

NNC 11 11:58:43.2±4.2, 38.60N±71.14E, h0km, mb3.7, mpv3.3,
Error ellipse: s-maj=24.0km s-min=11.8km az=157.0
ISC 11 11:58:44.6±3.6, 38.64N±0.2±71.2E±0.1, h47km, n9,
±f100/10, 3C, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AML, UCH, KK31, etc.

ISCJB 11 12:01:07.1±0.8, 31.8S; 02:57.6E±0.2, h11km, mb3.9/8, MS3.3/4, Error ellipse: s-maj=28.1km s-min=16.2km az=136.0

IDC 11 12:01:07.0±0.8, 31.78S; 57.61E, h0km, mb3.9/8, mb1 4.1/9, mb1mx3.8/46, mbtmp3.9/9, ML4.0/1, MS3.3/4, Ms1 3.3/4, ms1mx3.0/32, Error ellipse: s-maj=30.0km s-min=21.7km az=43.0

ISC 11 12:01:08.9±0.9, 31.8S; 02:57.6E±0.2, h11km, n24, o=5471/11, mb4.0/8, MS3.3/4, Southwest Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OPO, H08S1, H08S2, etc.

IDC 11 12:07:33.7±2.1, 11.73S; 162.65E, h0km, mb3.6/3, mb1 3.6/6, mb1mx3.6/32, mbtmp3.6/3, ML3.7/2, MS2.8/1, Ms1 2.8/1, ms1mx2.4/19, Error ellipse: s-maj=45.6km s-min=24.1km az=67.0

ISCJB 11 12:07:35.8±1.7, 11.8S; 02:162.7E±0.2, h33km, mb3.4/3, MS2.8/1, Error ellipse: s-maj=37.7km s-min=7.4km az=146.0

ISC 11 12:07:33.6±4.2, 11.3S; 04:163.2E±0.4, h35km, n12, o=113/6, mb3.5/3, Bougainville-Solomon Islands Region

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

SOME 11 12:14:31.9±0.7, 40.75N; 79.67E, h5km NNC 11 12:14:33.1±1.5, 40.80N; 79.63E, h0km, mb3.6, mpv3.2, 2C-1D, Error ellipse: s-maj=10.0km s-min=8.9km az=137.0, Southern Xinjiang

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

Table with columns: PDGK, Podgornoye, 2.53 358, etc. Includes stations like PDGK, KPDK, KURS, etc.

ISCJB 11 12:18:02.4±0.4, 42.69N; 03:75.69E±0.03, h0km, Error ellipse: s-maj=4.4km s-min=2.6km az=145.6

KNET 11 12:18:02.5±0.3, 42.67N; 75.69E, h0km, m1.2, Error ellipse: s-maj=3.1km s-min=2.2km az=36.0

SOME 11 12:18:02.0±0.2, 42.70N; 75.68E, NNC 11 12:18:02.8±0.8, 42.71N; 75.67E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=6.6km s-min=3.8km az=157.0, Suspected Mining explosion.

ISC 11 12:18:01.7±0.9, 42.67N; 03:75.65E±0.02, h0km, n27, o=561/45, 9C-7D, Lake Issyk-Kul region

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

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

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

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

ISK 11 12:20:29.8, 40.27N; 29.27E, h5km, ML2.1/12 ISCJB 11 12:20:30.5±0.5, 40.29N; 02:29.27E±0.03, h1km, 7km, Error ellipse: s-maj=4.1km s-min=3.5km az=10.3

DDA 11 12:20:30.0, 40.30N; 29.29E, h7km, 4km, ML2.5 ISC 11 12:20:30.5±0.9, 40.29N; 03:29.28E±0.02, h11km, 7km, n20, o=837/32, Turkey

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

Table with columns: BUY, Hereke, 0.60 29, etc. Includes stations like HRT, KAVV, GEVY, etc.

SVSA 11 12:50:11.3±0.7, 38.73N; 29.01W, h4km, 3km, MD3.5, ML3.1, Error ellipse: s-maj=5.2km s-min=3.5km az=47.0, Azores Islands

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

IDC 11 13:00:47.5±3.4, 16.29S; 175.96W, h0km, mb4.3/3, mb1 4.5/3, mb1mx3.8/34, mbtmp4.3/3, Error ellipse: s-maj=167.4km s-min=72.8km az=155.0, Tonga Islands

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

IDC 11 13:12:41.0±2.2, 7.33S; 129.74E, h134km, 27km, mb3.3/1, mb1 3.4/6, mb1mx3.1/28, mbtmp3.8/6, Error ellipse: s-maj=36.7km s-min=20.7km az=95.0, Banda Sea

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

BUI 11 13:43:35.3, 17.16S; 178.12W, h545km, mb4.3/22, mb4.8/10

IDC 11 13:43:35.5±2.0, 17.50S; 178.65W, h526km, 21km, mb3.8/17, mb1 4.0/18, mb1mx3.7/38, mbtmp4.7/18, Error ellipse: s-maj=15.3km s-min=14.6km az=70.0

ISCJB 11 13:43:36.4±0.4, 17.52S; 07:178.78W±0.07, h547km, mb4.8/26, Error ellipse: s-maj=10.8km s-min=7.6km az=138.2

NEIC 11 13:43:36.6±0.7, 17.49S; 178.75W, h539km, 9km, mb4.9/14, Error ellipse: s-maj=11.8km s-min=7.0km az=165.0

ISC 11 13:43:37.1±0.5, 17.59S; 09:178.71W±0.08, h547km, n93, o=114/98, mb4.8/36, Fiji Islands region

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



Table with 4 columns: TOTH, comp, AML, AML, 14 19 29.0, 14 19 34.0

ISCJB 11 14:34:47.0, 32.42N, 0.04E, h10km, Error ellipse: s-maj=7.4km s-min=5.6km az=178.8

MDD 11 14:34:51.1, 4.9, 32.39N, 7.66W, h10km, mb3.6/4, Error ellipse: s-maj=77.2km s-min=4.9km az=101.0, PRXIMO SIN SOLUCION

CNRM 11 14:34:54.2, 32.07N, 8.06W, h3km, ml3.0, ISC 11 14:34:50.7, 0.8, 32.36N, 0.003, 7.95W, 0.04, h10km, n17, c300/32, Morocco

Table with 10 columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC

JMA 11 14:54:43.9, 0.1, 37.51N, 141.51E, h46km, 1km, M3.5, Near east coast of eastern Honshu

Table with 10 columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC

ISCJB 11 15:26:34.4, 1.3, 28.12N, 0.04E, 18.1W, 0.1, h10km, Error ellipse: s-maj=15.7km s-min=5.1km az=171.8

NEIC 11 15:26:36.1, 0.0, 27.73N, 18.27W, h19km, MN4.1, (MDD), After MDD.

NEIC Felt at Guarazoa and Tigaday. ISC 11 15:26:37.3, 1.4, 28.02N, 0.0, 18.0W, 0.1, h10km, n7, c208/9, Canary Islands region

Table with 10 columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC

IDC 11 15:28:25.0, 0.5, 17.10S, 174.92E, h0km, mb4.5/24, mb1 4.7/25, mb1mx4.6/36, mbtmp4.5/25, ML5.2/2, MS4.7/27, Ms1 4.8/27, ms1mx4.7/32, Error ellipse: s-maj=13.9km s-min=11.0km az=80.0

ISCJB 11 15:28:25.0, 0.1, 17.27S, 0.02, 175.00E, 0.02, h10km, mb5.2/254, MS5.0/17, Error ellipse: s-maj=3.6km s-min=2.6km az=35.8

BUJ 11 15:28:26.3, 16.76S, 175.49E, h11km, mb4.7/36, mb5.3/37, Ms5.2/42, Ms7.4/39

NEIC 11 15:28:28.8, 2.2, 17.34S, 175.06E, h21km, 4km, mb5.3/42, MS5.1/440, MW5.5, MW5.7, Error ellipse: s-maj=13.7km s-min=12.3km az=135.0, Moment Tensor Solution. s23 Moment tensor: Scale 1017Nm; Mn=0.05; Mw=0.02; Ms=0.06; Mb=0.46; Mbz=2.33; Mz=0.24; Best double couple: Mbz=2.40000, 1017, NP1=91.00000, 884.00000, 1.11.00000, NP2=360.00000, 873.00000, 1.174.00000, Principal axes: T 2.4100, Plg12.0000, Azm319.0000; N -0.0500, Plg78.0000, Azm118.0000; P -2.3600, Plg4.0000, Azm225.0000;

NEIC Felt at Suva. MOS 11 15:28:29.0, 1.0, 17.34S, 175.04E, h33km, mb5.3/43, MS5.0/28 Error ellipse: s-maj=9.0km s-min=7.7km az=147.5

NEIC 11 15:28:30.0, 0.0, 17.35S, 175.15E, h23km, Moment Tensor Solution. s27 Moment tensor: Scale 1017Nm; Mn=0.44; Mw=0.07; Mbz=0.36; Mb=1.80; Ms=3.47; Mbz=0.04; Best double couple: Mbz=3.90000, 1017, NP1=267.00000, 886.00000, NP2=360.00000, 873.00000, 1.175.00000, Principal axes: T 2.4100, Plg12.0000, Azm319.0000; N -0.0500, Plg78.0000, Azm118.0000; P -2.3600, Plg4.0000, Azm225.0000;

GCMT 11 15:28:32.0, 0.1, 17.17S, 0.01, 174.96E, 0.01, h24km, MW5.7/120, Moment Tensor Solution. s95, c164; s120, c305; Duration: 1s6 Moment tensor: Scale 1017 Nm; Mn=0.21±0.04; Mw=0.42±0.04; Mbz=0.63±0.04; Mb=0.12±0.07; Mbz=3.65±0.04; Ms=0.47±0.07; Best double couple: Mbz=3.71900, 1017, NP1=176.00000, 888.00000, 1.173.00000, NP2=366.00000, 883.00000, 1.2.00000, Principal axes: T 3.8420, Plg6.0000, Azm131.0000; N -0.2470, Plg93.0000, Azm343.0000; P -3.6950, Plg4.0000, Azm221.0000; nsta1 refers to body waves,

cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s, Triangular moment-rate function, ISC 11 15:28:27.6, 0.2, 17.28S, 0.04, 175.10E, 0.04, h10km, n879, c164/658, mb5.2/254, MS5.1/420, 9C-8D, Fiji Islands region

Table with 10 columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC

Table with 10 columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like Warramunga Arr, Tennant Creek, Alice Springs, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like Matsuhiro, Matushiro, Casey, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like Sitkinak Island, Gunungstigi, Ohak, etc.





319A	comp=Z,23nm,1.6s	LR	LR						
PKCU	comp=Z,900nm,21.0s Pink Cliffs	87.20	49	eP	P	15 41 12.9	-1.9		
LLBL	comp=Z,4nm,1.4s Lillooet	87.21	35	eP	P	15 41 13.5	-0.6		
LLBL	comp=Z,7.4nm,0.9s				LR				
E09A	comp=Z,1um,22.0s Wood Farm, Sta	87.31	39	eP	P	15 41 13.7	-0.9		
E09A	comp=Z,900nm,20.0s Colville Reser	87.50	37	eP	P	15 41 14.4	-1.2		
B08A	comp=Z,14nm,1.3s				LR				
B08A	comp=Z,800nm,22.0s Mount Pierson	87.53	49	eP	P	15 41 15.8	-0.7		
MTPU	comp=Z,32nm,1.6s				LR				
MTPU	comp=Z,700nm,20.0s Three Creeks R	87.58	48	eP	P	15 41 15.3	-1.2		
TCRU	comp=Z,36nm,1.7s				LR				
TCRU	comp=Z,700nm,20.0s Beach Ranch, E	87.62	40	eP	P	15 41 15.1	-1.2		
F10A	comp=Z,27nm,1.2s				LR				
F10A	comp=Z,800nm,20.0s				LR				
MSU	comp=Z,51nm,1.9s Marsysvale	87.73	49	eP	P	15 41 16.1	-1.0		
MSU	comp=Z,51nm,1.9s Marsysvale	87.73	49	eP	P	15 41 16.2	-1.0		
PRP	comp=Z,15nm,1.5s Porcupine Dome	87.74	15	PFAKE	LR	15 41 30.0	+1.4		
X18A	comp=Z,500nm,19.0s Snowflake	87.81	53	eP	P	15 41 16.4	-1.2		
X18A	comp=Z,25nm,1.8s				LR				
DLBC	comp=Z,600nm,20.0s Dease Lake	87.81	26	eP	P	15 41 15.3	-1.5		
C09A	comp=Z,51nm,1.9s Chrisman Ranch	87.85	38	eP	P	15 41 16.0	-1.2		
C09A	comp=Z,9.4nm,1.1s				LR				
DUG	comp=Z,700nm,19.0s				LR				
DUG	comp=Z,13nm,1.4s				LR				
DUG	comp=Z,700nm,20.0s Dugway, Tooele	87.97	47	eP	P	15 41 16.8	-1.4		
DUG	comp=Z,13nm,1.4s				MLR				
DUG	comp=Z,13nm,1.4s				MLR				
COLD	comp=Z,700nm,20.0s Coldfoot	88.06	13	eP	P	15 41 18.0	+0.2		
BGU	comp=Z,7.1nm,1.5s Big Grassy Mou	88.13	46	eP	P	15 41 15.8	-3.1		
BGU	comp=Z,13nm,1.3s				LR				
BGU	comp=Z,400nm,20.0s				LR				
W18A	comp=Z,400nm,20.0s Petrified Fore	88.19	52	eP	P	15 41 16.8	-2.6		
W18A	comp=Z,16nm,0.8s				LR				
DAWY	comp=Z,700nm,18.0s Dawson	88.32	18	eP	P	15 41 19.4	+0.2		
HLID	comp=Z,5nm,1.5s Hailey	88.32	43	eP	P	15 41 18.3	-1.5		
HLID	comp=Z,9.5nm,1.1s Hailey	88.32	43	eP	P	15 41 19.6	-0.2		
EGAK	comp=Z,244	88.33	17	P	P	15 41 19.0	-0.1		
NLU	comp=Z,7.8nm,1.1s North Lily Min	88.39	47	eP	P	15 41 19.6	-0.7		
HPIG	comp=Z,25nm,1.7s	88.49	61	eP	P	15 41 19.4	-1.6		
HPIG	comp=Z,12nm,1.1s				LR				
Q16A	comp=Z,1um,20.0s Castle Valley	88.61	49	eP	P	15 41 20.5	-0.9		
Q16A	comp=Z,54nm,1.7s				LR				
FYU	comp=Z,600nm,20.0s Fort Yukon	88.65	15	eP	P	15 41 19.8	-0.7		
FYU	comp=Z,23nm,1.6s				LR				
HVU	comp=Z,500nm,20.0s Hansel Valley	88.66	45	eP	P	15 41 20.0	-1.4		
HVU	comp=Z,30nm,1.5s				MLR				
HVU	comp=Z,500nm,19.0s Hansel Valley	88.66	45	eP	P	15 41 20.0	-1.4		
HVU	comp=Z,30nm,1.5s				MLR				
SPUT	comp=Z,500nm,19.0s South Promonto	88.69	46	PFAKE	LR	15 41 30.0	+8.4		
ULN	comp=Z,500nm,22.0s Ulaanbaatar	88.72	321	eP	P	15 41 20.5	-1.0		
ULN	comp=Z,21nm,1.4s Ulaanbaatar	88.72	321	eP	P	15 41 20.6	-1.0		
MPU	comp=Z,8.0nm,1.3s Maple Canyon	88.73	47	eP	P	15 41 20.9	-1.0		
MPU	comp=Z,26nm,1.7s				LR				
TMUT	comp=Z,600nm,20.0s Trail Mountain	88.74	48	eP	P	15 41 19.3	-2.8		
TMUT	comp=Z,30nm,1.6s				LR				
NEW	comp=Z,400nm,20.0s Newport	88.75	38	eP	P	15 41 20.4	-1.1		
NEW	comp=Z,14nm,1.4s				LR				
NEW	comp=Z,600nm,20.0s Newport	88.75	38	eP	P	15 41 20.4	-1.1		
NEW	comp=Z,14nm,1.4s				MLR				
NEW	comp=Z,600nm,20.0s Newport	88.75	38	eP	P	15 41 21.7	+0.1		
CTU	comp=Z,242	88.92	47	eP	P	15 41 20.4	-2.3		
CTU	comp=Z,30nm,1.6s				LR				
JLU	comp=Z,600nm,19.0s Jordanelle	89.09	47	eP	P	15 41 21.2	-2.4		
JLU	comp=Z,22nm,1.5s				LR				
JLU	comp=Z,600nm,20.0s				LR				
SONA	comp=Z,245nm,18.2s,baz=123,slow=5.3,SNR=6.8	89.10	321	eP	P	15 41 20.7	-2.6		
SONM	comp=Z,0.9nm,0.9s,baz=123,slow=5.3,SNR=6.8	89.10	321	eP	P	15 41 20.7	-2.6		
SONM	comp=Z,2.45nm,18.2s,baz=124,slow=36				LR	16 21 45.8			
P17A	comp=Z,43nm,1.9s Butcher Ranch	89.14	48	eP	P	15 41 22.5	-1.2		
P17A	comp=Z,600nm,20.0s				LR				
SRU	comp=Z,11nm,1.1s San Rafael Swe	89.16	49	eP	P	15 41 22.7	-1.1		
SRU	comp=Z,800nm,20.0s				LR				
SRU	comp=Z,11nm,1.1s San Rafael Swe	89.16	49	eP	P	15 41 22.7	-1.1		
SRU	comp=Z,11nm,1.1s				MLR				
TCUT	comp=Z,800nm,20.0s Toone Canyon	89.33	46	eP	P	15 41 22.4	-2.2		
TOLK	comp=Z,29nm,1.2s Toolik Lake Re	89.38	12	eP	P	15 41 22.8	-1.2		
TOLK	comp=Z,9.0nm,1.5s Toolik Lake Re	89.38	12	eP	P	15 41 23.6	-0.5		
HWUT	comp=Z,214	89.41	46	eP	P	15 41 24.5	-0.5		
HWUT	comp=Z,24nm,1.9s				LR				
EPT	comp=Z,400nm,20.0s El Paso	89.48	57	PFAKE	LR	15 41 40.0	+1.5		
EPT	comp=Z,800nm,19.0s				LR				
ZAIG	comp=Z,10nm,1.2s Zacatecas	89.77	66	eP	P	15 41 25.8	-1.4		
MCMT	comp=Z,9.0nm,1.5s McKenzie Canyo	89.88	43	eP	P	15 41 26.1	-1.0		
MVCO	comp=Z,91	89.91	51	PFAKE	LR	15 41 40.0	+1.3		
MVCO	comp=Z,600nm,20.0s				LR				
Y22D	comp=Z,89.97	89.97	54	PFAKE	LR	15 41 40.0	+1.2		
Y22D	comp=Z,89.97				LR				

MSO	comp=Z,800nm,20.0s Missoula	90.03	40	PFAKE	LR	15 41 40.0	+1.2		
MSO	comp=Z,700nm,21.0s Missoula	90.03	40	P	P	15 41 27.8	+0.1		
MSO	comp=Z,700nm,21.0s Missoula	90.03	40	P	P	15 41 27.8	+0.1		
AHID	comp=Z,400nm,20.0s Auburn Hatcher	90.19	45	PFAKE	LR	15 41 40.0	+1.1		
AHID	comp=Z,400nm,20.0s				LR				
DLMT	comp=Z,600nm,18.0s Cornudas Mount	90.26	42	PFAKE	LR	15 41 40.0	+1.1		
DLMT	comp=Z,600nm,18.0s				LR				
MNTX	comp=Z,600nm,20.0s Cornudas Mount	90.35	57	PFAKE	LR	15 41 40.0	+1.1		
MNTX	comp=Z,600nm,20.0s				LR				
MNTX	comp=Z,600nm,20.0s Cornudas Mount	90.35	57	P	P	15 41 29.7	+0.3		
MNTX	comp=Z,600nm,20.0s				LR				
LRM	comp=Z,800nm,22.0s Limekiln Ridge	90.55	42	eP	P	15 41 30.0	-0.3		
FXWY	comp=Z,7.1nm,1.3s Fox Creek	90.59	44	eP	P	15 41 30.1	-0.4		
REDW	comp=Z,14nm,1.3s Red Top Meadow	90.60	45	eP	P	15 41 29.8	-0.8		
REDW	comp=Z,14nm,1.3s				LR				
REDW	comp=Z,400nm,21.0s				LR				
ANMO	comp=Z,600nm,19.0s Albuquerque	90.63	54	eP	P	15 41 30.2	-0.7		
ANMO	comp=Z,17nm,1.5s				LR				
ANMO	comp=Z,600nm,19.0s				LR				
ANMO	comp=Z,600nm,19.0s	90.63	54	eP	P	15 41 30.2	-0.7		
ANMO	comp=Z,17nm,1.5s				MLR				
ANMO	comp=Z,600nm,19.0s				MLR				
BRDH	comp=Z,318nm,21.9s,baz=136,slow=34	90.72	293	LR	LR	16 20 03.1			
IMW	comp=Z,6.8nm,1.1s Indian Meadow	90.75	44	eP	P	15 41 31.3	0.0		
IMW	comp=Z,6.8nm,1.1s				LR				
IMW	comp=Z,500nm,22.0s				LR				
EPYK	comp=Z,8.6nm,1.1s Eagle Plains	90.76	17	P	P	15 41 30.1	-0.4		
EPYK	comp=Z,8.6nm,1.1s				P				
MOOW	comp=Z,12nm,1.6s Moose Ponds	90.82	44	eP	P	15 41 31.2	-0.4		
MOOW	comp=Z,12nm,1.6s				LR				
MOOW	comp=Z,300nm,19.0s				LR				
LOHW	comp=Z,300nm,19.0s Long Hollow	90.86	44	PFAKE	LR	15 41 40.0	+8.2		
LOHW	comp=Z,300nm,19.0s				LR				
YHB	comp=Z,8.6nm,1.1s Horse Butte	90.92	43	eP	P	15 41 31.1	-0.9		
YHB	comp=Z,8.6nm,1.1s				P				
TX31	comp=Z,90.96	90.96	60	eP	P	15 41 32.1	-0.3		
LTX	comp=Z,90.96	90.96	60	eP	P	15 41 33.0	+0.7		
LTX	comp=Z,90.96	90.96	60	eP	P	15 41 33.0	+0.6		
TXAR	comp=Z,1.2nm,1.0s,baz=223,slow=5.5,SNR=6.4	90.96	60	eP	P	15 41 33.0	+0.6		
TXAR	comp=Z,90.96	90.96	60	eP	P	16 13 27.7			
BOZ	comp=Z,90.92nm,21.7s,baz=0.0,slow=30	90.98	42	eP	P	15 41 31.9	-0.3		
BOZ	comp=Z,32nm,1.9s				LR				
BOZ	comp=Z,700nm,20.0s				LR				
BOZ	comp=Z,700nm,20.0s Bozeman (W)	90.98	42	P	P	15 41 32.1	-0.1		
FLWY	comp=Z,400nm,20.0s Flagg Ranch	90.98	44	PFAKE	LR	15 41 40.0	+7.7		
FLWY	comp=Z,400nm,20.0s				LR				
YMR	comp=Z,600nm,19.0s Madison River	91.04	43	PFAKE	LR	15 41 40.0	+7.4		
YMR	comp=Z,600nm,19.0s				LR				
YHH	comp=Z,600nm,19.0s Holmes Hill	91.16	43	PFAKE	LR	15 41 40.0	+6.8		
YHH	comp=Z,600nm,19.0s				LR				
O20A	comp=Z,700nm,20.0s White River Ci	91.17	48	PFAKE	LR	15 41 40.0	+6.7		
O20A	comp=Z,700nm,20.0s				LR				
O20A	comp=Z,700nm,20.0s White River Ci	91.17	48	P	P	15 41 32.3	-1.0		
O20A	comp=Z,700nm,20.0s				P				
H17A	comp=Z,8.6nm,1.1s Grant Village	91.19	44	P	P	15 41 33.3	0.0		
BW06	comp=Z,247	91.24	45	P	P	15 41 32.5	-1.1		
BW06	comp=Z,247				P				
PD31	comp=Z,900nm,21.0s Pinedale Array	91.24	45	eP	P	15 41 33.0	-0.5		
PDAR	comp=Z,1.8nm,1.1s,baz=224,slow=2.5,SNR=4.0	91.24	45	eP	P	15 41 33.9	+0.3		
PDAR	comp=Z,1.8nm,1.1s,baz=224,slow=2.5,SNR=4.0				LR	16 17 42.8			
PDAR	comp=Z,244nm,19.1s,baz=262,slow=32	91.24	45	eP	P	15 41 32.2	-1.4		
PDAR	comp=Z,244nm,19.1s,baz=262,slow=32								

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G40A G40A	Rib Lake	105.32	47	PFAKE LR	LR	15 47 00.0	+9.2
I41A I41A	Arkdale	105.36	48	PFAKE LR	LR	15 47 00.0	+9.2
WVT WVT	Waverly	105.57	57	PFAKE LR	LR	15 47 00.0	+8.5
H41A H41A	Junction City	105.61	48	PFAKE LR	LR	15 47 00.0	+8.7
LRAL LRAL	Lakeview Retre	105.69	60	PFAKE LR	LR	15 47 00.0	+8.2
OLIL OLIL	Olney	105.81	54	PFAKE LR	LR	15 47 00.0	+8.2
X48A X48A	Hartselle	105.91	58	PFAKE LR	LR	15 47 00.0	+7.9
USIN USIN	University of	106.02	55	PFAKE LR	LR	15 47 00.0	+7.8
H42A H42A	Draeger Farm,	106.02	48	PFAKE LR	LR	15 47 00.0	+7.9
P45A P45A	Graceland, Par	106.21	53	PFAKE LR	LR	15 47 00.0	+7.5
K43A K43A	Burlington	106.26	50	PFAKE LR	LR	15 47 00.0	+7.5
T47A T47A	Sharon Grove	106.30	56	PFAKE LR	LR	15 47 00.0	+7.2
V48A V48A	Smith Brothers	106.31	57	PFAKE LR	LR	15 47 00.0	+7.1
Y49A Y49A	Blount Mountai	106.32	59	PFAKE LR	LR	15 47 00.0	+7.0
PRZ PRZ	Przheval'sk	106.33	310	PFAKE LR	LR	15 47 00.0	+7.1
H42A H42A	Shiocton	106.38	48	PFAKE LR	LR	15 47 00.0	+7.3
C40A C40A	Isle Royale Na	106.43	44	PFAKE LR	LR	15 47 00.0	+7.3
Z50A Z50A	Ashland	106.62	60	PFAKE LR	LR	15 47 00.0	+6.5
TARG TARG	Taragay, Kyrgy	106.65	309	PFAKE LR	LR	15 47 00.0	+6.1
SFIN SFIN	Lafayette	106.83	52	PFAKE LR	LR	15 47 00.0	+6.3
H43A H43A	Windswept, Lux	106.92	48	PFAKE LR	LR	15 47 00.0	+6.3
SWET SWET	Sewanee	106.94	58	PFAKE LR	LR	15 47 10.0	+16
G43A G43A	Wallace	107.08	47	PFAKE LR	LR	15 47 00.0	+6.0
BLO BLO	Bloomington	107.09	54	PFAKE LR	LR	15 47 10.0	+16
WCI WCI	Wyandotte Cave	107.13	55	PFAKE LR	LR	15 47 10.0	+16
KDJ KDJ	Kajisay	107.17	310	PFAKE LR	LR	15 47 10.0	+15
W50A W50A	Signal Mountai	107.44	58	PFAKE LR	LR	15 47 10.0	+15
152A 152A	Waverly Hall	107.52	61	PFAKE LR	LR	15 47 10.0	+15
M46A M46A	Old House Fiel	107.54	51	PFAKE LR	LR	15 47 10.0	+15
T49A T49A	Edmonton	107.56	56	PFAKE LR	LR	15 47 10.0	+15
X51A X51A	Calhoun	107.71	59	PFAKE LR	LR	15 47 10.0	+15
NRN NRN	Naryn	107.95	309	PFAKE LR	LR	15 47 10.0	+14
CPCT CPCT	Cooper Cave	108.12	58	PFAKE LR	LR	15 47 10.0	+14
Y52A Y52A	Liburn	108.25	59	PFAKE LR	LR	15 47 10.0	+13
V51A V51A	Loudon	108.31	57	PFAKE LR	LR	15 47 10.0	+13
W52A W52A	Murphy	108.55	58	PFAKE LR	LR	15 47 10.0	+13
GOGA GOGA	Godfrey	108.67	60	PFAKE LR	LR	15 47 10.0	+13
TKL TKL	Tuckaleechee C	108.75	58	PFAKE LR	LR	15 47 10.0	+13
M48A M48A	Edgerton	108.77	51	PFAKE LR	LR	15 47 10.0	+13
154A 154A	Montrose	108.85	61	PFAKE LR	LR	15 47 10.0	+12
O49A O49A	Covington	108.90	53	PFAKE LR	LR	15 47 10.0	+12
V52A V52A	Sevierville	108.92	57	PFAKE LR	LR	15 47 10.0	+12
NIL NIL	Nilore	109.05	300	PFAKE LR	LR	15 47 10.0	+12
N49A N49A	Columbus Grove	109.10	52	PFAKE LR	LR	15 47 10.0	+12
FRU1 FRU1	Bishkek	109.13	310	PFAKE LR	LR	15 47 10.0	+12
S51A S51A	Beattyville	109.16	55	PFAKE LR	LR	15 47 10.0	+12
AAK AAK	Ala-Archa	109.21	310	PFAKE LR	LR	15 47 10.0	+12
BG3 BG3	Lake Jocassee	109.34	58	PFAKE LR	LR	15 47 10.0	+11
O51A O51A	Peebles	109.52	54	PFAKE LR	LR	15 47 10.0	+11
V53A V53A	Saluda	109.53	58	PFAKE LR	LR	15 47 10.0	+11
HODGE HODGE	Hodges	109.79	59	PFAKE LR	LR	15 47 10.0	+11
P51A P51A	Williamsport	109.79	54	PFAKE LR	LR	15 47 10.0	+11
ACSO ACSO	Alum Creek Sta	109.94	53	PFAKE LR	LR	15 47 10.0	+11
PAULI PAULI	Pauline	110.23	59	PFAKE LR	LR	15 47 10.0	+10
N51A N51A	Ashland	110.46	52	PFAKE LR	LR	15 47 10.0	+10

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JSC JSC	Jenkinsville	110.61	59	PFAKE LR	LR	15 47 10.0	+9.1
KMSC KMSC	Kings Mountain	110.66	58	PFAKE LR	LR	15 47 10.0	+9.0
O52A O52A	Adamsville	110.80	53	PFAKE LR	LR	15 47 10.0	+8.9
P53A P53A	Whipple	111.08	54	PFAKE LR	LR	15 47 10.0	+8.3
ALLY ALLY	Alegheny Colle	112.20	52	PFAKE LR	LR	15 47 10.0	+6.3
N54A N54A	Moraine State	112.27	52	PFAKE LR	LR	15 47 10.0	+6.1
MCWV MCWV	Mont Chateau	112.28	54	PFAKE LR	LR	15 47 10.0	+6.0
ERPA ERPA	Erie	112.34	51	PFAKE LR	LR	15 47 20.0	+16
BRVK BRVK	Sorovoye	112.51	321	PFAKE LR	LR	15 47 10.0	+6.0
M54A M54A	Oil Creek Stat	112.55	52	PFAKE LR	LR	15 47 20.0	+16
KBL KBL	Kabul	112.63	301	PFAKE LR	LR	15 47 20.0	+15
O56A O56A	Blue Knob Stat	113.31	53	PFAKE LR	LR	15 47 20.0	+14
R58B R58B	Mineral	113.70	56	PFAKE LR	LR	15 47 20.0	+13
SSPA SSPA	Standing Stone	113.84	53	PFAKE LR	LR	15 47 20.0	+13
MMNV MMNV	Mt. Morris Dam	113.91	50	PFAKE LR	LR	15 47 20.0	+13
CBN CBN	Corbin Frederi	114.11	55	PFAKE LR	LR	15 47 20.0	+13
PLVO PLVO	Plevna	114.55	48	PFAKE LR	LR	15 47 20.0	+12
SDMD SDMD	Soldier's Deli	114.59	54	PFAKE LR	LR	15 47 20.0	+12
PAGS PAGS	Pennsylvania G	114.71	53	PFAKE LR	LR	15 47 20.0	+11
N59A N59A	State Game Lan	115.46	52	PFAKE LR	LR	15 47 20.0	+10
KSPA KSPA	Keystone Colle	115.47	52	PFAKE LR	LR	15 47 20.0	+10
PSUB PSUB	Penn St. - Bra	115.68	54	PFAKE LR	LR	15 47 20.0	+10
LUPA LUPA	Lehigh Univers	115.75	53	PFAKE LR	LR	15 47 20.0	+9.4
LONY LONY	Lake Ozonia	116.33	48	PFAKE LR	LR	15 47 20.0	+8.4
ODNJ ODNJ	Ogdensburg	116.34	52	PFAKE LR	LR	15 47 20.0	+8.3
BRNJ BRNJ	Basking Ridge	116.37	53	PFAKE LR	LR	15 47 20.0	+8.3
MSEY MSEY	Mahe Island	116.54	256	PFAKE LR	LR	15 47 20.0	+7.0
NCB NCB	Newcomb	116.60	49	PFAKE LR	LR	15 47 20.0	+7.9
CPNY CPNY	Central Park	116.83	53	PFAKE LR	LR	15 47 20.0	+7.4
PAL PAL	Palisades	116.87	52	PFAKE LR	LR	15 47 20.0	+7.3
ACCN ACCN	Adirondack Com	117.02	50	PFAKE LR	LR	15 47 20.0	+7.1
FRNY FRNY	Flat Rock	117.03	48	PFAKE LR	LR	15 47 20.0	+7.1
TRY TRY	Troy	117.03	50	PFAKE LR	LR	15 47 20.0	+7.0
SDDR SDDR	Presa de Saban	117.23	77	PFAKE LR	LR	15 47 30.0	+16
VT1 VT1	Waterbury	117.65	49	PFAKE LR	LR	15 47 30.0	+16
HNH HNH	Hanover	118.01	49	PFAKE LR	LR	15 47 30.0	+15
QUAZ QUAZ	Belchertown	118.02	51	PFAKE LR	LR	15 47 30.0	+15
LBNH LBNH	Lisbon	118.25	49	PFAKE LR	LR	15 47 30.0	+15
FFD FFD	Franklin Falls	118.48	50	PFAKE LR	LR	15 47 30.0	+14
HRV HRV	Adam Dzewonsk	118.61	51	PFAKE LR	LR	15 47 30.0	+14
BRYW BRYW	Bryant College	118.63	51	PFAKE LR	LR	15 47 30.0	+14
WES WES	Weston	118.78	51	PFAKE LR	LR	15 47 30.0	+14
ARU ARU	Arti	118.86	325	PKIKP	PKIKP	15 47 22.9	+6.8
WWL WWL	Waterville	119.85	48	PFAKE LR	LR	15 47 30.0	+12
PKME PKME	Peaks-Kenny Pk	120.04	47	PFAKE LR	LR	15 47 30.0	+11
SCHO SCHO	Schefferville	120.06	36	PFAKE LR	LR	15 47 30.0	+11
PQI PQI	Presque Isle	120.77	46	PFAKE LR	LR	15 47 30.0	+10
MPR MPR	Mayaguez	120.98	79	PFAKE LR	LR	15 47 30.0	+8.7
EMMW EMMW	East Machias	121.39	48	PFAKE LR	LR	15 47 30.0	+8.6
GEYT GEYT	Alibeck	121.57	304	PKP	PKIKP	15 47 22.2	+0.1
GYA0B GYA0B	ALIBECK ARRAY	121.57	304	PFAKE LR	LR	15 47 30.0	+7.9
SFJD SFJD	Kangerlussuaq	122.25	19	PFAKE LR	LR	15 47 30.0	+7.6
MTP MTP	Monte Pirata	122.45	79	PFAKE LR	LR	15 47 30.0	+5.8
SMRT SMRT	St. Maarten	124.77	80	PFAKE LR	LR	15 47 40.0	+11
KLMR KLMR	Klimovskoe	126.26	335	ePKIKP	PKIKP	15 47 33.3	+2.8
KLMR KLMR	Klimovskoe	126.26	335	ePKAMP	PKIKP	15 47 33.3	+2.8

GROC GROC GROC	Groznyy	130.08	312	iPKIKP e pmax	PKIKP pmax	15 47 39.8	+1.0 15 49 49.6
LPSR LPSR	Galich ya Gora	130.87	326	ePKIKP pmax	PKP pmax	15 47 36.8	-2.3
VSR VSR	Storozhevo	131.40	324	ePKIKP pmax	PKIKP pmax	15 47 42.4	+1.3
GNI GNI	Garni	131.59	309	PFAKE LR	LR	15 47 50.0	+7.9
DAMY DAMY	Dhamar	132.62	274	PFAKE LR	LR	15 47 50.0	+4.9
VSU ATD ATD	Vasula Arta Tunnel	132.74 133.49	328 370	ePKIKP PFAKE LR	PKP PFAKE LR	15 47 41.2 15 48 00.0	+1.3 +13
LSZ LSZ	Lusaka	134.05	227	PFAKE LR	LR	15 48 00.0	+12
KMBO KMBO	Kilima Mbojo	134.62	251	PFAKE LR	LR	15 48 00.0	+11
NAI NAI	Nairobi	134.96	250	PFAKE LR	LR	15 48 00.0	+10
AKBB AKBB	Main Array Si	136.95	328	PFAKE LR	LR	15 48 00.0	+7.6
KIEV KIEV	Kiev	136.96	328	PFAKE LR	LR	15 48 00.0	+7.6
KIEV SUV SUV	Kiev Suwalki	136.96 137.38	328 336	ePKIKP PFAKE LR	PKIKP PFAKE LR	15 47 54.2 15 48 00.0	+1.8 +6.8
BR101 BRTR	Keskin Array S Keskin Array B	139.84 139.84	312 312	ePKP PKP	PKP PKP	15 47 53.9 15 47 53.9	-2.6 -2.6
ANTO ANTO	Ankara	140.38	312	PFAKE LR	LR	15 48 10.0	+10
TIRR TIRR	Tirgusor	141.06	321	PFAKE LR	LR	15 48 10.0	+9.0
UZH UZH CSS CSS	Uzhgorod	141.69	331	ePKIKP e PFAKE LR	PKIKP PFAKE LR	15 48 02.7 15 48 18.4 15 48 10.0	+0.5 +7.3
MLR MLR MLR	Muntele Rosu Muntele Rosu Muntele Rosu	141.89 141.89 141.89	324 324 324	PKP ePKP ePKP	PKP PKP PKP	15 48 00.5 15 47 58.7 15 48 00.6	+0.6 -1.3 +0.6
MLR MLR	Muntele Rosu	141.89	324	ePKIKP MLR	PKP MLR	15 47 58.7	-1.3
OKC OKC	Ostrava-Krasne	142.58	335	AMS	AMS	16 49 10.0	
ISP ISP	Isparta	142.83	311	PFAKE LR	LR	15 48 10.0	+5.0
UPC UPC	Upline	142.85	338	AMS	AMS	16 50 00.0	
DPC DPC DPC	Dobruska-Polom	142.87	337	ePKIKP e MLR	PKIKP MLR	15 48 07.3 15 48 14.7	+2.7
DPC DPC DPC	Dobruska-Polom	142.87	337	ePKIKP ex AMS	PKIKP x AMS	15 48 07.3 15 48 14.7 16 56 40.0	+2.7
MORC MORC	Moravsky Berou	142.87	336	PFAKE LR	LR	15 48 10.0	+5.3
CLL CLL	Colim	143.18	341	ePKP iPKP	PKP sPKP	15 48 00.0 15 48 06.5	+1.2 +0.8
CLL CLL CLL CLL CLL				i ePP ePKS eSSS eSSS LMv	PP SSS	15 48 11.6 15 51 12.0 16 01 12.0 16 15 12.0 16 19 12.0 16 58 00.0	+0.5
BRG BRG BRG	Berggiesshubel Berggiesshubel Berggiesshubel	143.25 143.25 143.25	340 340 340	eP ePKIKP pmax	PKIKP pmax	15 48 06.3 15 48 06.3	+1.0 +1.0
PVCC PVCC	Panska Ves Vyhne	143.34 143.34	339 333	AMS ePKIKP	AMS PKIKP	16 48 50.0 15 48 04.0	+1.7
VYHS VYHS GOPC GOPC	Vyhne Vyhne GO Pecny, Ondr	143.34 143.34 143.78	333 333 338	ePKIKP ePKIKP e MLR	PKP PKP MLR	15 48 04.0 15 48 04.0 15 48 12.3	+1.7 +1.2
GOPC GOPC GOPC	GO Pecny, Ondr	143.78	338	ePKP ex AMS	PKP x AMS	15 48 04.3 15 48 12.3 16 48 20.0	+1.2
PRU PRU	Pruhonice	143.80	339	ePKIKP MLR	PKP MLR	15 48 04.7	+1.6
PRU PRU	Pruhonice	143.80	339	ePKP AMS	PKP AMS	15 48	





11d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like WAKE ISLAND Hy 41.83, WARRAMUNGA ARR, etc.

ISC/JB 11 16:17:12.3:0.9, 17.7S:0.2:174.6W:0.2, h132km, mb3.9/7, Error ellipse: s-maj=32.2km s-min=15.1km az=32.3

ISC 11 16:17:13.2:0.1, 18.0S:0.2:174.4W:0.3, h132km, n8, s-maj=36.3/9, Tonga Islands

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

THR 11 16:21:30.6:28.32N:51.48E, h30km, ML4.3, Error ellipse: s-maj=29.9km s-min=13.1km az=125.0

2013 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Ghir-Karzin, Kazeroun, Shiraz, etc.

SOHO Doab 6.13 331 eP Sn 16 24 11.6 +0.3

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

WSAR Wadi Sarin 8.11 128 P Sn 16 23 29.9 -0.7

660

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Jabal al Asfar, Mount Harif, etc.

AKK Ala-Archa 22.49 11 P P 16 26 32.7 +0.7

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

AKK Ala-Archa 23.25 46 eP P 16 26 40.6 +0.5





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists various stations like TAPS Pump St12, TRF Thorafore Moun, PS11 TAPS Pump St11, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like ASAR Alice Springs, WRA Warramunga Arr, IDC 11 18:46:02.0, etc.

ISCJB 11 17:12:58.6, 1.5, 11.3S; 0.1x165.8E; 0.1, h61km, mb3.7/4, Error ellipse: s-maj=23.3km s-min=8.8km az=144.6

ISC 11 17:12:58.1-4.8, 11.10S; 165.95E, h44km, mb3.5/4, mb1 3.9/6, mb1mx3.5/3.1, mbtmp4.0/6, ML4.2, MS3.0/2, Ms1 3.0/2, ms1mx3.7/1.9, Error ellipse: s-maj=50.4km s-min=20.5km az=52.0

ISC 11 17:12:59.8, 1.7, 11.2S; 0.1x165.9E; 0.2, h61km, n7, c0:77/8, mb3.7/4, Santa Cruz Islands



mb1 3.7/5, mb1mx3.5/29, mbtmp3.6/5, MS2.7/1, Ms1 2.7/1, ms1mx2.6/14, Error ellipse: s-maj=26.4km s-min=11.0km az=25.0

ISCJB 11 20:48:47.2±0.6, 30.79S:0.03±1.74W, h0km, h78km, 7km, mb3.5/2, Error ellipse: s-maj=6.8km s-min=4.2km az=7.0

GUC 11 20:48:47.3±0.8, 30.81S:71.18W, h56km, 4km, ML4.0, SJA 11 20:48:47.6±1.0, 30.77S:71.18W, h52km, 8km, ML4.0, MW4.1

ISC 11 20:48:46.7±0.8, 30.78S:0.03±1.74W, h0km, h51km, 6km, n57, ±250/81, mb4.1/3, 3C-1D, Near coast of central Chile

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

MKAR Makanchi Array 154.21 44 PKPab PKPab 21 08 54.8 -0.1 comp=2.0,7nm,0.8s,baz=341,slow=3.5,SNR=3.2

ISCJB 11 20:53:12.2±0.3, 14.55N:0.05±55.90E±0.05, h10km, mb4.2/51, MS3.7/27, Error ellipse: s-maj=7.6km s-min=6.6km az=12.0

IDC 11 20:53:12.2±0.5, 14.55N:55.88E, h0km, mb4.2/28, mb1.4/2/29, mb1mx4.2/47, mbtmp4.1/29, ML3.0/1, MS3.7/28, Ms1 3.7/28, ms1mx3.6/39, Error ellipse: s-maj=12.8km s-min=11.5km az=116.0

NEIC 11 20:53:13.7±0.3, 14.55N:55.88E, h10km, mb4.5/21, Error ellipse: s-maj=6.2km s-min=5.8km az=144.0

ISC 11 20:53:13.5±0.5, 14.53N:0.07±55.92E±0.07, h10km, n110, ±156/107, mb4.4/55, MS3.7/27, 5C-7D, Owen Fracture Zone region

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

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

ISCJB 11 21:02:23.6±0.4, 14.51N:0.06±56.10E±0.06, h10km, mb4.2/38, MS3.5/6, Error ellipse: s-maj=9.3km s-min=8.6km az=26.3

IDC 11 21:02:24.5±0.6, 14.56N:55.96E, h0km, mb4.0/24, mb1.4/1/25, mb1mx3.0/46, mbtmp4.0/25, ML3.1/1, MS3.6/7, Ms1 3.6/7, ms1mx3.2/46, Error ellipse: s-maj=14.5km s-min=13.7km az=118.0

NEIC 11 21:02:25.3±0.5, 14.50N:56.11E, h10km, mb4.4/11, Error ellipse: s-maj=10.9km s-min=10.1km az=54.0

ISC 11 21:02:25.1±0.6, 14.53N:0.09±56.12E±0.08, h10km, n60, ±156/154, mb4.2/38, MS3.5/6, Owen Fracture Zone region

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MMAI Mount Meron Ar, GNI Ganni, GNI Ganni, KBZ Khabaz, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GYET Alibeck, PALK Pallekele, H0B2N Diego Garcia H, etc.

ICD 11 21:21:37.6:1.3, 14:58N:55:73E, h0km, mb3.7/9, mb1.3/8.1, mb1mx3.5/43, mbtmp3.7/9, MS3.2/1, Ms1.3/2.1, ms1mx2.4/37, Error ellipse: s-maj=32.8km s-min=21.7km s-min=14.5/0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WSAR Wadi Sarin, GEYT Alibeck, KMB0 Kilima Mbogo, etc.

ICD 11 21:22:29.2:2.6, 14:59N:55:73E, h0km, mb3.5/5, mb1.3/6.5, mb1mx3.3/44, mbtmp3.5/5, Error ellipse: s-maj=56.2km s-min=32.3km az=5.0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GYET Alibeck, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

ICD 11 21:24:19.7:3.6, 40:34N:127:10W, h5km, ML3.5/1, Error ellipse: s-maj=38.7km s-min=17.1km az=69.0, Off coast of northern California.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like L02E Cave Junction, K02D Willamette Mer, M02C Callan, etc.

MEX 11 21:53:23.7:0.7, 14:66N:92:16W, h79km, 12km, MD3.7, Near coast of Chiapas.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KNDS Knezi Dol, GBRS Gornja Briga, SKDS Skadanscina, etc.

KRSC 11 22:18:57.9:10.0, 51:73N:161:53E, h96km, 10km, ML3.8, Off east coast of Kamchatka Peninsula.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RUS Ruskaya, KDR Khodutka, Kamc, MUTR Mutnovka, etc.

ISN 11 22:24:27.7:5.2, 28:01N:51:61E, h0km, 999km, ML4.5, ISCBJ 11 22:24:29.5:0.2, 28:09N:0:02:51:55E:0.2, h16km, mb4.6/4, MS3.5/5, Error ellipse: s-maj=3.5km s-min=1.9km az=42.2.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GHIR Ghar-Karzin, IKAZ Kazeroun, IKAZ Kazeroun, etc.

ISD 11 22:24:31.0:3.0, 28:13N:0:04:51:59E:0.04, h16km, n243, c1:50/252, mb4.4/63, MS3.4/5, Southern Iran.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SHI Shiraz, JHRM Jahrom, IPAR Pars, etc.

ICD 11 21:48:10.6:0.8, 6:59S:0:05:128:77E:0.08, h200km, mb3.3/2, Error ellipse: s-maj=140.8km s-min=31.3km az=70.0, Banda Sea.



TKB	Tkibuli	1.90 126	P	Pn	22 32 04.0 -1.5	KVT	Kavak	4.35 238	PN	Pn	22 32 37.6 -1.6	SULR		10.62 281	/P	Pn	22 34 03.0 -2.1		
TKB			S	Sn	22 32 30.5 +1.1	VRTB	Varto-Mus	4.35 175	PN	Pn	22 32 39.6 +0.3	AKASG	Malin Array Be	10.74 316	Pn	Pn	22 34 05.4 -1.3		
NCK	Nalchik	1.94 89	i/PN	Pn	22 32 07.2 +1.2	GNI	Garni	4.38 138	PN	Pn	22 32 40.7 +0.9	comp=Z,5.2nm,0.3s,baz=120,slow=13,SNR=20							
NCK	Nalchik	1.94 89	e/Sg	Sb	22 32 07.5 -1.0	GNI	Garni	4.38 138	Pg	Pn	22 32 45.2 +5.3	AKASG	comp=Z,4.1nm,0.3s,baz=126,slow=24,SNR=5				22 36 04.8 -2.0		
BATM	Batumi	1.98 163	PN	Pn	22 32 32.2 -0.4	comp=Z,2.5nm,0.3s,baz=291,slow=4.4,SNR=19													
BATM	Batumi	1.98 163	P	Pn	22 32 03.6 -2.8	GNI	comp=Z,5.0nm,0.3s,baz=222,slow=12,SNR=3.6												
BATM	Batumi	1.98 163	S	Sn	22 32 30.2 -0.9	GNI													
BATM	Batumi	1.98 163	/i/P	Pn	22 32 04.4 -2.0	GNI	comp=Z,1.1um,19.8s,baz=335,slow=45												
DIGR	Digorskoe uzhe	2.03 106	e/PN	Pb	22 32 09.1 -1.0	REFA	Refahiye-ZRN	4.41 202	/P	Pn	22 32 32.9 -1.7	AKKB	Malin Array Si	10.74 316	e/Pn	Pn	22 34 05.8 -0.9		
DIGR	Digorskoe uzhe	2.03 106	e/Sg	Sg	22 32 39.3 -0.2	REFI	Refahiye	4.41 202	/P	Pn	22 32 32.9 -1.7	KIEV	Kiev	10.74 316	e/Pn	Pn	22 34 05.7 -1.1		
DIGR	Digorskoe uzhe	2.03 106	e/Sg	Sg	22 32 07.2 +0.2	SNOP	Sinop	4.46 253	Pn	Pn	22 32 38.6 -2.0	KIEV	Kiev	10.74 316	/i/P	Pn	22 34 05.8 -0.9		
KGUR	Krasnodar	2.04 319	e/PN	Pb	22 32 10.8 +0.6	SNOP	Sinop	4.46 253	e/Pn	Pn	22 32 39.9 -0.7	KIEV	Kiev	10.74 316	/i/P	Pn	22 34 05.8 -0.9		
KGUR	Krasnodar	2.04 319	e/S	Sg	22 32 37.8 -1.1	SUDU	Sudak	4.46 253	e/Sn	Pn	22 32 39.9 -0.7	comp=Z,1.6nm,0.9s							
KGUR	Krasnodar	2.04 319	/i/Pg	Pg	22 32 10.5 +0.2	SUDU	Sudak	4.46 253	e/Sn	Pn	22 32 40.0 -1.6	AK11	Malin Array Su	10.76 316	e/Pn	Pn	22 34 07.3 +0.4		
KGUR	Krasnodar	2.04 319	e/Sg	Sg	22 32 11.9 +0.7	SUDU	Sudak	4.46 253	e/Sn	Pn	22 32 40.0 -1.6	SECR	Sargensi	10.77 283	/i/P	Pn	22 34 06.7 -0.5		
ONI	Oni	2.06 115	PN	Pn	22 32 07.3 -0.4	SUDU	Sudak	4.46 253	e/Sn	Pn	22 32 40.0 -1.6	SGRR	Singureni	10.83 279	/i/P	Pn	22 34 05.3 -2.6		
ONI	Oni	2.06 115	PN	Pn	22 32 35.1 -1.1	TNCL	Tunceli-Merkez	4.50 194	/P	Pn	22 32 40.0 -1.6	MLR	Muntele Rosu	10.89 286	Pn	Pn	22 34 07.4 -1.5		
ONI	Oni	2.06 115	P	Pn	22 32 07.2 -0.5	BNBG	Bingol	4.51 182	/P	Pn	22 32 41.9 +0.6	MLR	comp=Z,1.7nm,0.3s,baz=172,slow=24,SNR=3				22 36 11.7 +1.0		
ONI	Oni	2.06 115	e/S	Sb	22 32 35.9 -0.2	KLZL	Klazgir-MUS	4.52 164	PN	Pn	22 32 42.2 +0.6	comp=Z,1.8nm,0.3s,baz=181,slow=21,SNR=5.6							
ONI	Oni	2.06 115	e/Sg	Sb	22 32 07.1 -0.5	GDB	GEDABAY	4.54 126	/P	Pn	22 32 43.4 +1.6	MLR							
ONI	Oni	2.06 115	e/Pg	Pn	22 32 35.9 -0.2	GDB													
ONI	Oni	2.06 115	e/Sg	Sb	22 32 35.9 -0.2	TOKT	Tokat	4.56 227	PN	Pn	22 32 40.3 +5.8	MLR	comp=Z,5.93nm,19.1s,baz=82,slow=47						
BCA	Borcka	2.12 166	PN	Pn	22 32 08.9 -2.5	GNBTR	Gunib	4.57 102	e/PN	Pn	22 32 45.5 +3.4	MLR	Muntele Rosu	10.89 286	/i/P	Pn	22 34 07.7 -1.2		
BCA	Borcka	2.12 166	/i/P	Pn	22 32 05.9 -2.5	GNBTR	Gunib	4.57 102	e/PN	Pn	22 32 45.5 +3.4	BIZ	Bicaz	11.01 293	/i/P	Pn	22 34 09.2 -1.2		
LSNR	Lesken	2.12 95	e/PN	Pn	22 32 10.6 -1.0	GMBR						PRAR	RASCA	11.03 296	/i/P	Pn	22 34 11.2 +0.5		
LSNR	Lesken	2.12 95	e/S	Sb	22 32 08.7 +0.8	DIKM	Dikmen	4.58 248	/P	Pn	22 33 48.4 +3.3	OZUR	Ozurni	11.07 289	/i/P	Pn	22 34 08.7 -2.6		
LSNR	Lesken	2.12 95	e/Pg	Pg	22 32 10.3 -1.3	DIKM	Dikmen	4.58 248	/P	Pn	22 32 41.3 -0.9	ZIMM	Zimm	11.29 276	/i/P	Pn	22 34 11.1 -3.2		
GOF	Gofitskoye	2.18 44	e/PN	Pn	22 32 36.7 -1.2	TOKA	Tokat	4.59 228	/P	Pn	22 32 42.2 -0.3	MMIA	Mount Meron Ar	11.33 204	LR	LR	22 38 10.5		
GOF	Gofitskoye	2.18 44	e/S	Sb	22 32 09.9 +0.7	ZKTA	Zakatala	4.60 112	PN	Pn	22 32 45.0 +2.5	DOPR	Dopca	11.33 288	/i/P	Pn	22 34 12.5 -2.3		
DBOC	Borcka	2.22 165	/i/P	Pn	22 32 07.8 -2.0	ZKTA	Zakatala	4.60 112	PN	Pn	22 32 45.0 +2.5	ALN	Alexandroupoli	11.34 262	e/Pn	Pn	22 34 15.0 0.0		
DBOC			IAML,P			ZKTA	Zakatala	4.60 112	PN	Pn	22 32 45.0 +2.5	ALN	Alexandroupoli	11.34 262	e/Pn	Pn	22 34 15.0 0.0		
ERBR	Yeremizin-Bor	2.24 352	/e/PN	Pn	22 32 11.4 +1.3	KEMA	Kemaliye	4.61 204	/i/P	Pn	22 32 41.4 +5.6	ALN	Alexandroupoli	11.34 262	e/Pn	Pn	22 34 15.0 0.0		
ERBR	Yeremizin-Bor	2.24 352	e/PN	Pn	22 32 31.9 +2.5	BINT	Bingol	4.63 184	PN	Pn	22 32 41.8 -1.3	PVL	Pavljeni	11.36 274	/P	Pn	22 34 13.8 -1.4		
ERBR	Yeremizin-Bor	2.24 352	e/Sg	Sb	22 32 39.4 -1.8	SVSK	Karacayir	4.63 221	PN	Pn	22 32 42.2 -0.7	MTUR	Matur	11.49 284	/i/P	Pn	22 34 17.1 0.0		
STDR	Stavd-Durt	2.29 92	e/PN	Pb	22 32 13.2 -1.2	HYR	Heyderabad	4.79 141	/S	Sn	22 33 44.7 +4.2	HUMR	Humele	11.53 281	/i/P	Pn	22 34 16.8 -0.8		
STDR	Stavd-Durt	2.29 92	e/S	Sb	22 32 43.8 +1.2	CLDR	Caldiran	4.90 152	PN	Pn	22 32 47.9 +1.1	BURAR	Bucovina Array	11.76 296	/i/P	Pn	22 34 18.3 -2.4		
STDR	Stavd-Durt	2.29 92	e/PN	Pb	22 32 13.2 -1.2	CUKAN	gangal_SIVAS	4.92 213	/P	Pn	22 32 46.6 +1.5	BURAR	Bucovina Ar	11.76 296	e/Pn	Pn	22 34 18.3 -2.4		
ZEI	Tsey	2.29 107	e/PN	Pn	22 32 43.9 +2.2	GANJ	Ganja	4.92 124	/P	Pn	22 32 48.5 +1.6	BURAR	Bucovina Ar	11.76 296	e/Pn	Pn	22 34 18.1 -2.9		
ZEI	Tsey	2.29 107	e/S	Sb	22 32 12.8 +1.9	GANJ	Ganja	4.92 124	/P	Pn	22 32 48.5 +1.6	VR	Varna	11.80 285	/P	Pn	22 34 19.5 -1.4		
ZEI	Tsey	2.29 107	e/PN	Pn	22 32 43.8 +0.9	GANJ	Ganja	4.92 124	/P	Pn	22 32 48.5 +1.6	VLAD	Vladia	11.97 278	/i/P	Pn	22 34 23.9 +0.4		
ZEI	Tsey	2.29 107	e/PN	Pn	22 32 11.8 +0.9	GANJ	Ganja	4.92 124	/P	Pn	22 32 48.5 +1.6	OBN	Obninsk	11.97 348	PN	Pn	22 34 22.0 -1.4		
KORR	Kora	2.33 99	e/PN	Pn	22 32 43.7 +0.7	YAL	Yalta	4.99 284	PN	Pn	22 32 47.8 0.0	comp=Z,0.4nm,0.3s,baz=321,slow=7.1,SNR=6.4							
KORR	Kora	2.33 99	e/PN	Pn	22 32 13.7 -1.4	GURO	Guroymak-BITLI	5.01 170	PN	Pn	22 33 44.7 -0.6	comp=Z,0.4nm,0.3s,baz=158,slow=22,SNR=3							
KORR	Kora	2.33 99	e/S	Sb	22 32 43.9 +0.1	HANI	Diyarbakir_Han	5.09 185	/P	Pn	22 32 49.4 0.0	OBN	comp=Z,0.4nm,0.3s,baz=158,slow=22,SNR=3						
KORR	Kora	2.33 99	e/PN	Pn	22 32 43.1 -0.7	SIM	Simferopol'	5.11 289	/P/PN	Pn	22 32 49.0 -0.5	OBN	comp=Z,5.1nm,21.2s,baz=173,slow=38						
EPOS	Posof	2.40 146	i/P	Pn	22 32 10.8 -1.6	SIM	Simferopol'	5.11 289	/P/PN	Pn	22 32 49.0 -0.5	OBN	Obninsk	11.97 348	e/Pn	Pn	22 34 21.2 -2.2		
EPOS	Posof	2.40 146	/i/S	Pn	22 32 42.8 +0.9	SIM	Simferopol'	5.11 289	e/PN	Pn	22 33 49.1 +0.7	OBN	Obninsk	11.97 348	/i/P	Pn	22 34 21.1 -2.4		
PRTR	Cayelli-Rize	2.41 184	PN	Pn	22 32 14.9 +2.0	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.7 +3.2	OBN	Obninsk	11.97 348	e/P	Pn	22 34 21.0 -2.4		
PRTR	Priterechnaya	2.45 83	e/PN	Pn	22 32 47.2 -0.1	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	OBN	comp=Z,1.5nm,0.7s						
PRTR	Priterechnaya	2.45 83	e/S	Sb	22 32 47.2 -0.1	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	OBN	comp=Z,2.03nm,17.0s						
PRTR	Priterechnaya	2.45 83	e/PN	Pn	22 32 14.9 +2.0	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MDB	Medias	12.05 288	/i/P	Pn	22 34 24.7 +0.1		
PRTR	Priterechnaya	2.45 83	e/S	Sb	22 32 47.2 -0.1	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	ARCR	ARCALIA	12.21 293	/i/P	Pn	22 34 26.9 +0.1		
ARNR	Ardon	2.47 96	e/PN	Pn	22 32 16.0 -1.5	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	LOT	Lotru	12.41 285	/i/P	Pn	22 34 30.1 +0.4		
ARNR	Ardon	2.47 96	e/S	Sb	22 32 47.1 -0.1	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
ARNR	Ardon	2.47 96	i/P	Pn	22 32 15.4 +2.1	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
DAGI	Agillar	2.53 163	e/PN	Pn	22 32 13.2 -0.9	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
DBAD	Bademkaya	2.54 167	i/P	Pn	22 32 12.6 -1.8	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
LACR	Lacra	2.55 104	/i/PN	Pn	22 32 15.4 +0.9	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
LACR	Lacra	2.55 104	/i/P	Pn	22 32 15.3 +0.7	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
BTKR	Batakoyurt	2.64 91	e/PN	Pn	22 32 47.4 +1.9	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
BTKR	Batakoyurt	2.64 91	e/S	Sb	22 32 53.5 +0.8	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
BTKR	Batakoyurt	2.64 91	e/PN	Pn	22 32 17.9 +2.3	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
KTUT	Trabzon	2.65 199	PN	Pn	22 32 14.6 -1.1	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
KTUT	Trabzon	2.65 199	/i/P	Pn	22 32 13.7 -2.0	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
DDEM	Demirkent	2.67 167	/i/P	Pn	22 32 14.4 -1.7	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
DDEM	Demirkent	2.67 167	/i/P	Pn	22 32 14.4 -1.7	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
DDEM	Demirkent	2.67 167	/i/P	Pn	22 32 14.4 -1.7	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
MACK	Trabzon	2.79 199	/i/P	Pn	22 32 14.1 -2.3	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
TRKR	Terskaya	2.67 184	e/P	Pn	22 32 55.6 +0.6	SEKA	Sheki	5.18 114	PN	Pn	22 32 53.8 +3.2	MOS	Moscow	12.44 351	e/S	Pn	22 34 26.2 -3.6		
TRKR	Terskaya	2.67 184	e/S																



Table with columns: ARU, S, Sn, 22 38 45.4 +2.7, MORC, 17.21 300 ePn, Pn, 22 35 31.9 -1.4, etc.

Table with columns: BVAR, comp=Z,2.9nm,0.7s,baz=246,slow=7.2,SNR=9.5, LV, LR, 22 46 26.7, FUVA, 21.82 289 eP, P, 22 36 26.8 +1.4, etc.

Table with columns: TAM, 35.75 246 eP, Pmax, 22 38 32.7 +0.6, SPAO, 36.13 352 eP, P, 22 38 35.5 +0.8, etc.

GEN 11 22:33:16.0, 44.76N, 7.62E, h44km, 2km, M11.0, LDG 11 22:33:16.3, 0.1, 44.73N, 7.64E, h30km, M2, 1/2, M1.4/9, etc.









Table with columns: OTUK, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time Res, Residual. Includes stations like ROSC, BOD, TIC, DBIC, etc.

Table with columns: JANUB, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time Res, Residual. Includes stations like JANUB, GTA, BDFB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time Res, Residual. Includes stations like DZM, URZ, STKA, etc.

ISCJB 11 23:11:21.7:0.7, 25:83S:0.09:179.85E:0.10, h475km, mb4.1/5, Error ellipse: s-maj=13.0km s-min=10.4km

ISC 11 23:11:23.1:1.2, 25:98S:179.95E:489km, 16km, mb3.6/5, mb1.3/3, mb1mx3.4/2, mbtm4.6/9, Error ellipse: s-maj=25.5km s-min=13.1km az=171.0

ISC 11 23:11:22.5:0.8, 25:93S:0.1:179.9E:0.1, h475km, n16, az=094/15, mb4.2/5, South of Fiji Islands

mb3.8/11, Error ellipse: s-maj=21.9km s-min=14.0km az=145.6

IDC 11 23:14:16.5:4.1, 21:17S:178.08W, h509km, 46km, mb3.4/11, mb1.3/6/13, mb1mx3.4/28, mbtm4.2/13, Error ellipse: s-maj=27.8km s-min=20.6km az=178.0

ISC 11 23:14:15.2:0.8, 21:1S:0.2:178.0W:0.1, h495km, n25, az=089/24, mb3.8/11, 3C-4D, Fiji Islands region

IDC 11 23:17:51.5:1.5, 21:12N:143.06E, h0km, mb3.6/4, mb1.3/8/4, mb1mx3.4/33, mbtm3.6/4, Error ellipse: s-maj=64.2km s-min=34.0km az=90.0, Mariana Islands region

NIED 11 23:45:00, 35:90N, 141:00E, h8km, Mw3.6 Best double couple: M2:82000x10^14 NPT:3318.00000, 354.00000, 1-152.00000, NP2:210.00000, 367.00000, 1-1000000000

ISCJMB 11 23:45:36.9:1.3, 35:91N:141.01E:0.10, h13km, 6km, mb3.4/3, MS3.3/1, Error ellipse: s-maj=13.0km s-min=6.6km az=174.9

JMA 11 23:45:38.1:0.1, 35:88N:140:01E, h14km, 2km, M3.9 JMA Felt J1

IDC 11 23:45:43.8:3.2, 34:94N:139:02E, h0km, mb3.5/3, mb1.3/7/3, mb1mx3.4/31, mbtm3.5/3, MS3.5/1, Ms1.3/5/1, ms1mx2.5/37, Error ellipse: s-maj=117.1km s-min=22.5km az=74.0

ISC 11 23:47:37.6:1.5, 35:94N:140:03E:0.08, h9km, 9km, n22, az=195/21, mb3.4/3, 2C, Near east coast of eastern

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time Res, Residual. Includes stations like CHJO, CHOU, JIHU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time Res, Residual. Includes stations like MAT, MAT, SEY, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time Res, Residual. Includes stations like H1N2, H1N1, H1N3, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time Res, Residual. Includes stations like H1S1, H1S2, H1S3, etc.

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

IDC 11 23:57:50.1:1.0, 14:23N:91:39W, h0km, mb4.0/17, mb1.4/3/18, mb1mx4.1/47, mbtm4.0/18, ML4.1/1, MS3.7/10, Ms1.3/6/10, ms1mx3.6/33, Error ellipse: s-maj=35.1km s-min=15.3km az=49.0

UCR 11 23:57:52.0:1.3, 174N:91:96W, h6km, 23km, MD4.3, ML4.2, mb4.3(NEIC)

MEX 11 23:57:53.0:2.0, 13:95N:91:96W, h89km, 18km, MD4.5 NEIC 11 23:57:53.0:2.0, 13:95N:91:90W, h35km, mb4.3/41, MD4.5(MEX), Error ellipse: s-maj=13.5km s-min=6.6km az=217.0

ISCJB 11 23:14:14.9:0.7, 21:1S:0.1:178.1W:0.1, h495km,





Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like ESX, KBZ, GNI, BRTR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like GROC, GROC, DDFL, ZRF, ZRD.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like MAJO, Matushiro, MAT, MJB, ERM, JNU.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like TLIG, VHO, PNIG.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like GANJ, KMG, GDB, GZS.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like ASAJ, ASAJ, KSRS, KSRS, USRK, USRK, USRK.

IDC 12 00:20:45.6:1.0, 42.69N, 48.93E, h0km, mb3.7/6, mb1.3/6/10, mb1mx3.4/50, mbtmp4.6/10, ML3.1/4, MS3.4/1, Ms1.3/4.1, ms1mx2.1/47, Error ellipse: s-maj=18.1km s-min=10.0km az=156.0

QZX Botanihuri 3.31 252 P Sn 00 21 41.4 +0.7 BTNK 3.31 252 P Sn 00 21 41.4 +0.7 TBLG 3.34 253 P Sn 00 21 40.8 -0.3

DL2 Dalian 15.73 289 eP pP 00 32 03.0 -1.4 DL2 Dalian 15.73 289 eP pP 00 32 17.2 +0.3 DL2 Dalian 15.73 289 eP pP 00 34 51.4 -2.5

DRN Derbent 0.90 215 i P Pg 00 21 06.8 -1.0 DRN Derbent 0.90 215 i P Pg 00 21 18.2

ZEI Tsey 3.77 272 i Pn pmax 00 21 58.2 +1.1 ZEI Tsey 3.77 272 i Pn pmax 00 22 39.5 +9.3

DL2 Dalian 15.73 289 eP pP 00 32 03.0 -1.4 DL2 Dalian 15.73 289 eP pP 00 32 17.2 +0.3 DL2 Dalian 15.73 289 eP pP 00 34 51.4 -2.5

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like DRN, DRN, DRN, DRN, DRN, DRN, DRN, DRN.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like LKRN, LKRN, LKRN, LKRN, LKRN, LKRN, LKRN, LKRN.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like NJ2, NJ2, NJ2, NJ2, NJ2, NJ2, NJ2, NJ2.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like SGKR, SGKR, SGKR, SGKR, SGKR, SGKR, SGKR, SGKR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like NCK, NCK, NCK, NCK, NCK, NCK, NCK, NCK.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like ZEA, ZEA, ZEA, ZEA, ZEA, ZEA, ZEA, ZEA.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like MAK, MAK, MAK, MAK, MAK, MAK, MAK, MAK.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like NEY, NEY, NEY, NEY, NEY, NEY, NEY, NEY.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like HHC, HHC, HHC, HHC, HHC, HHC, HHC, HHC.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like KSMR, KSMR, KSMR, KSMR, KSMR, KSMR, KSMR, KSMR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like KVAR, KVAR, KVAR, KVAR, KVAR, KVAR, KVAR, KVAR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like HHC, HHC, HHC, HHC, HHC, HHC, HHC, HHC.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like QSAF, QSAF, QSAF, QSAF, QSAF, QSAF, QSAF, QSAF.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like KIV, KIV, KIV, KIV, KIV, KIV, KIV, KIV.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like HHC, HHC, HHC, HHC, HHC, HHC, HHC, HHC.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like QUBA, QUBA, QUBA, QUBA, QUBA, QUBA, QUBA, QUBA.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like GEYT, GEYT, GEYT, GEYT, GEYT, GEYT, GEYT, GEYT.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like MA2, MA2, MA2, MA2, MA2, MA2, MA2, MA2.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like KRNK, KRNK, KRNK, KRNK, KRNK, KRNK, KRNK, KRNK.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like AKTO, AKTO, AKTO, AKTO, AKTO, AKTO, AKTO, AKTO.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like XAN, XAN, XAN, XAN, XAN, XAN, XAN, XAN.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like KMKR, KMKR, KMKR, KMKR, KMKR, KMKR, KMKR, KMKR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like AB31, AB31, AB31, AB31, AB31, AB31, AB31, AB31.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like YAK, YAK, YAK, YAK, YAK, YAK, YAK, YAK.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like GNBR, GNBR, GNBR, GNBR, GNBR, GNBR, GNBR, GNBR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like AAK, AAK, AAK, AAK, AAK, AAK, AAK, AAK.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like GNBR, GNBR, GNBR, GNBR, GNBR, GNBR, GNBR, GNBR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like TORD, TORD, TORD, TORD, TORD, TORD, TORD, TORD.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like UNCR, UNCR, UNCR, UNCR, UNCR, UNCR, UNCR, UNCR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like CHOD, CHOD, CHOD, CHOD, CHOD, CHOD, CHOD, CHOD.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like UNCR, UNCR, UNCR, UNCR, UNCR, UNCR, UNCR, UNCR.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like CHOD, CHOD, CHOD, CHOD, CHOD, CHOD, CHOD, CHOD.

Table with 4 columns: Call sign, Frequency, Mode, and other details. Includes stations like H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1, H1N1.

NIED 12 00:28:00.35:30N, 141.20E, h32km, Mw4.6 Best double couple: M=8.0000e+10, N=1.319.0000e+07, K=7.0000e+07, L=1.64.0000e+09, NP2=58.0000e+07, O=8.77.0000e+07, A=3.4.0000e+07

JMA 12 00:28:18.8:0.1, 35.32N, 141.18E, h35km, mb4.5, JMA 12 00:28:19.7:0.3, 35.28N, 141.03E, h35km, mb4.5, JMA 12 00:28:20.6:0.5, 35.28N, 141.03E, h35km, mb4.5

ISCBJ 12 00:28:19.7:0.3, 35.28N, 141.03E, h35km, mb4.5, ISCBJ 12 00:28:20.6:0.5, 35.28N, 141.03E, h35km, mb4.5, ISCBJ 12 00:28:21.5:0.7, 35.28N, 141.03E, h35km, mb4.5

MOS 12 00:28:21.4:1.1, 35.32N, 141.01E, h49km, mb4.7/24, Error ellipse: s-maj=12.7km s-min=5.7km az=120.6

IDC 12 00:28:23.4:2.1, 35.25N, 140.88E, h55km, mb4.8/25, IDC 12 00:28:24.3:2.1, 35.25N, 140.88E, h55km, mb4.8/25, IDC 12 00:28:25.2:2.1, 35.25N, 140.88E, h55km, mb4.8/25

BUI 12 00:28:27.6:34.93N, 140.22E, h80km, mb4.6/30, mb4.8/18, BUI 12 00:28:28.5:34.93N, 140.22E, h80km, mb4.6/30, mb4.8/18, BUI 12 00:28:29.4:34.93N, 140.22E, h80km, mb4.6/30, mb4.8/18

NEIC 12 00:28:29.4:1.0, 35.00N, 139.92E, h73km, mb4.6/24, Error ellipse: s-maj=11.2km s-min=9.4km az=77.0

ISC 12 00:28:21.8:0.4, 35.33N, 140.04E, h303km, mb4.5/72, ISC 12 00:28:22.7:0.4, 35.33N, 140.04E, h303km, mb4.5/72, ISC 12 00:28:23.6:0.4, 35.33N, 140.04E, h303km, mb4.5/72

Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res

CHOD Chosi 0.37 3 Op P 00 28 28.7 -1.8 CHOD Chosi 0.37 3 Op P 00 28 35.5 -0.9 CHOD Chosi 0.37 3 Op P 00 28 42.3 +0.5

JMST Sammumatsuo 0.44 315 P P 00 28 32.3 +0.5 JCTR Katsura 0.46 247 P P 00 28 32.7 +0.6 JCN Nagaya 0.52 280 P P 00 28 34.8 +1.7

BS04 Bose 4 0.53 230 P P 00 28 33.5 +0.6 BS03 Bose 3 0.59 207 P P 00 28 33.1 -0.5 BS01 Bose 1 0.59 170 P P 00 28 31.8 -2.9

JYT Yasato 1.03 330 P P 00 28 40.2 +0.3 JIM2 Oshima 3 1.30 242 P P 00 28 43.3 -0.4 JIM1 Oshima 3 1.30 242 P P 00 28 43.3 -0.4

JHU Mitsune 2.37 201 eP P 00 29 07.7 +2.4 JHU Hachijo jima 2 2.37 202 P P 00 28 57.5 -0.8 JHU Hachijo jima 2 2.37 202 P P 00 29 23.1 -3.2

JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4

MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1

Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res

CHOD Chosi 0.37 3 Op P 00 28 28.7 -1.8 CHOD Chosi 0.37 3 Op P 00 28 35.5 -0.9 CHOD Chosi 0.37 3 Op P 00 28 42.3 +0.5

JMST Sammumatsuo 0.44 315 P P 00 28 32.3 +0.5 JCTR Katsura 0.46 247 P P 00 28 32.7 +0.6 JCN Nagaya 0.52 280 P P 00 28 34.8 +1.7

BS04 Bose 4 0.53 230 P P 00 28 33.5 +0.6 BS03 Bose 3 0.59 207 P P 00 28 33.1 -0.5 BS01 Bose 1 0.59 170 P P 00 28 31.8 -2.9

JYT Yasato 1.03 330 P P 00 28 40.2 +0.3 JIM2 Oshima 3 1.30 242 P P 00 28 43.3 -0.4 JIM1 Oshima 3 1.30 242 P P 00 28 43.3 -0.4

JHU Mitsune 2.37 201 eP P 00 29 07.7 +2.4 JHU Hachijo jima 2 2.37 202 P P 00 28 57.5 -0.8 JHU Hachijo jima 2 2.37 202 P P 00 29 23.1 -3.2

JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4

MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1

Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res

CHOD Chosi 0.37 3 Op P 00 28 28.7 -1.8 CHOD Chosi 0.37 3 Op P 00 28 35.5 -0.9 CHOD Chosi 0.37 3 Op P 00 28 42.3 +0.5

JMST Sammumatsuo 0.44 315 P P 00 28 32.3 +0.5 JCTR Katsura 0.46 247 P P 00 28 32.7 +0.6 JCN Nagaya 0.52 280 P P 00 28 34.8 +1.7

BS04 Bose 4 0.53 230 P P 00 28 33.5 +0.6 BS03 Bose 3 0.59 207 P P 00 28 33.1 -0.5 BS01 Bose 1 0.59 170 P P 00 28 31.8 -2.9

JYT Yasato 1.03 330 P P 00 28 40.2 +0.3 JIM2 Oshima 3 1.30 242 P P 00 28 43.3 -0.4 JIM1 Oshima 3 1.30 242 P P 00 28 43.3 -0.4

JHU Mitsune 2.37 201 eP P 00 29 07.7 +2.4 JHU Hachijo jima 2 2.37 202 P P 00 28 57.5 -0.8 JHU Hachijo jima 2 2.37 202 P P 00 29 23.1 -3.2

JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4

MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1

Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res

CHOD Chosi 0.37 3 Op P 00 28 28.7 -1.8 CHOD Chosi 0.37 3 Op P 00 28 35.5 -0.9 CHOD Chosi 0.37 3 Op P 00 28 42.3 +0.5

JMST Sammumatsuo 0.44 315 P P 00 28 32.3 +0.5 JCTR Katsura 0.46 247 P P 00 28 32.7 +0.6 JCN Nagaya 0.52 280 P P 00 28 34.8 +1.7

BS04 Bose 4 0.53 230 P P 00 28 33.5 +0.6 BS03 Bose 3 0.59 207 P P 00 28 33.1 -0.5 BS01 Bose 1 0.59 170 P P 00 28 31.8 -2.9

JYT Yasato 1.03 330 P P 00 28 40.2 +0.3 JIM2 Oshima 3 1.30 242 P P 00 28 43.3 -0.4 JIM1 Oshima 3 1.30 242 P P 00 28 43.3 -0.4

JHU Mitsune 2.37 201 eP P 00 29 07.7 +2.4 JHU Hachijo jima 2 2.37 202 P P 00 28 57.5 -0.8 JHU Hachijo jima 2 2.37 202 P P 00 29 23.1 -3.2

JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4

MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1

Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res

CHOD Chosi 0.37 3 Op P 00 28 28.7 -1.8 CHOD Chosi 0.37 3 Op P 00 28 35.5 -0.9 CHOD Chosi 0.37 3 Op P 00 28 42.3 +0.5

JMST Sammumatsuo 0.44 315 P P 00 28 32.3 +0.5 JCTR Katsura 0.46 247 P P 00 28 32.7 +0.6 JCN Nagaya 0.52 280 P P 00 28 34.8 +1.7

BS04 Bose 4 0.53 230 P P 00 28 33.5 +0.6 BS03 Bose 3 0.59 207 P P 00 28 33.1 -0.5 BS01 Bose 1 0.59 170 P P 00 28 31.8 -2.9

JYT Yasato 1.03 330 P P 00 28 40.2 +0.3 JIM2 Oshima 3 1.30 242 P P 00 28 43.3 -0.4 JIM1 Oshima 3 1.30 242 P P 00 28 43.3 -0.4

JHU Mitsune 2.37 201 eP P 00 29 07.7 +2.4 JHU Hachijo jima 2 2.37 202 P P 00 28 57.5 -0.8 JHU Hachijo jima 2 2.37 202 P P 00 29 23.1 -3.2

JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4 JHU 95nm, 0.3s, baz=84, slow=24, SNR=8.4

MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1 MJAR Matsushiro Arr 2.45 300 P P 00 29 02.5 +3.1

Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res

CHOD Chosi 0.37 3 Op P 00 28 28.7 -1.8 CHOD Chosi 0.37 3 Op P 00 28 35.5 -0.9 CHOD Chosi 0.37 3 Op P 00 28 42.3 +0.5



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSRS Korea Array, H1133 WAKE ISLAND, H11N3 WAKE ISLAND, etc.

IDC 12 00:48:00.1±0.8, 19.43S×176.54W, h0km, mb4, 1/8, mb1 4.4/9, mb1mx4.2/30, mbtmpr4.2/8, ML3.6, 1/1, MS3.9/18, Ms1 3.9/18, ms1mx3.7/30, Error ellipse: s-maj=37.9km s-min=20.3km az=170.0

ISCJB 12 00:48:03.2±0.7, 19.6S±0.2, 176.6W±0.2, h33km, mb4.2/8, MS4.0/18, Error ellipse: s-maj=27.8km s-min=15.2km az=43.4

GCMT 12 00:48:05.0±0.4, 19.42S±0.3, 176.16W±0.03, h19km, 2km, MW4.9/71, Moment Tensor Solution. s19,c20; s71,c84; Duration: 0 Moment tensor: Scale 10^19Nm; Mr0.02±.16; Mw±.2.38±.14; Mw±.2.36±.13; Mw±.0.15±.32; Mw±.0.05±.11; Mw±.1.36±.34; Best double couple: Mo2.68700±.016

NP1±.48.0000°, δ76.00000°, λ21.00000° NP2±.43.00000°, δ70.00000°, λ1.665.00000° Principal axes: ϕ±312.9850, Plg±25.0000°, Azm±271.0000°; N - 0.5990, Plg±65.0000°, Azm±81.0000°; P - 2.3890, Plg±4.0000°, Azm±179.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ISC 12 00:48:05.1±0.7, 19.45S±0.2, 176.6W±0.2, h35km, n40, c±2919/25, mb4.2/8, MS4.0/18, C, F, Fiji Islands region

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAR Rarotonga, DZM Mont Dzumac, DZM Mont Dzumac, etc.

JMA 12 00:49:18.6±0.2, 23.80N±.121°18'E, h0km TAP 12 00:49:19.8, 23.84N, 121.71E, h7km, ML3.6, D ISCJB 12 00:49:21.8±0.3, 23.86N±0.02, 121.74E±0.02, h33km, Error ellipse: s-maj=3.2km s-min=2.1km az=24.8

ISC 12 00:49:19.3±1.1, 23.80N±0.02, 121.78E±0.03, h6km±8km, n64, c±0578/109, C, Taiwan

Small table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ENLB Shoufeng, ENLB Shoufeng.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HWA Hwalien, HWA Hwalien, ESL WAKE ISLAND, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WFSB Wu-fen Shan, CHY Chiayi, CHY Chiayi, etc.

ISCJB 12 00:53:17.2±0.6, 18.7N±0.1, 81.3W±0.2, h10km, mb3.6/7, MS3.3/9, Error ellipse: s-maj=26.0km s-min=6.9km

IDC 12 00:53:18.4±1.2, 18.85N±.127W, h0km, mb3.6/7, mb1 4.1/9, mb1mx3.7/33, mbtmpr3.8/8, ML3.2/4, MS1.3/14, ms1mx3.1/47, Error ellipse: s-maj=35.1km s-min=25.6km az=26.0

ISC 12 00:53:19.4±0.7, 18.8N±0.1, 81.3W±0.2, h10km, n41, c±0597/29, mb3.6/7, MS3.2/9, North of Honduras

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JTS Juntas Abang, SJCC San Jacinto, SJCC San Jacinto, etc.

PGC 12 01:02:43.0±0.0, 61.36N±.141°22'W, h0km, ML2.2/11, 209km west of Haines Jct., Yt Southern Alaska,

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTGM Chitina Glacie, YUK2 White River, YUK2 Moose Creek, etc.



Table listing astronomical observations with columns for station name, time, phase ID, and other parameters. Includes stations like BALB, GCAM, SLVT, AQU, etc.

Table listing astronomical observations with columns for station name, time, phase ID, and other parameters. Includes stations like NOA, EKA, GEYT, ARCES, etc.

Table listing astronomical observations with columns for station name, time, phase ID, and other parameters. Includes stations like WARR, ASAR, FITZ, ILAR, etc.



Table with columns: MA2, Magadan, 7.80 316 P, Pn, 02 10 17.3 +2.2, etc. Includes various station codes and coordinates.

TEH 12 02:16:07.4, 28:19N-51.78E, h11km, ML3.2, Southern Iran. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

Table with columns: TRTT, Trang, 7.20 20 P, Pn, 02 21 13.6 -0.8, etc. Includes various station codes and coordinates.

Table with columns: MKAR, 4.8nm, 0.8s, baz=158, slow=8.0, SNR=27, etc. Includes various station codes and coordinates.

MEX 12 02:53:22.9, 0.4, 14:30N-93:23W, h47km, 32km, MD4.0, Near coast of Chiapas. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 12 02:58:39.8, 5.0, 29:27S-178:64W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.6/25, mbtm3.6/3, Error ellipse: s-maj=212.4km s-min=41.4km az=155.0, Kermaec Islands. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 12 03:03:40.6, 3.5, 43:43N-87:64E, h0km, mb3.8/2, mb1 3.8/4, mb1mx3.4/31, mbtm3.7/4, ML3.3/2, Error ellipse: s-maj=69.8km s-min=5.8km az=36.0, NNC 12 03:03:41.5, 3.5, 42:78N-86:50E, h0km, mb3.8, mpv3.3, Error ellipse: s-maj=25.8km s-min=17.9km az=113.0, IDC 12 03:03:41.2, 2.4, 42:72N, 0.1-86.8E, 0.2, h20km, n7, 0871/10, 5C-3D, Northern Xinjiang. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

Table with columns: MK31, Makanchi Array, 5.21 324 P, Pn, 03 04 58.4 +0.4, etc. Includes various station codes and coordinates.

Table with columns: PDGK, 1.1nm, 0.4s, jLg, Lg, 03 06 23.6, ZALV, 3.8nm, 0.5s, Zalesovo Beam, 11.36 354 Pn, ARCES, 0.5m, 0.3, 0.3, 174, slow=3, SNR=4.4, NOA, 4.7nm, 1.1s, 0.5, 102, slow=8.4, SNR=1.8

ISC/JB 12 03:14:50.8-0.5, 13:5N:0:2-88:19W:0:08, h196km, 6km, mb3.4/7, Error ellipse: s-maj=27.8km s-min=5.6km az=25.8

UCR 12 03:14:51.4-1.5, 13:45N:88:21W, h186km, 7km, MD4.3, ML3.6

IDC 12 03:14:52.2-1.8, 13:53N:88:14W, h195km, 25km, mb3.1/7, mb1.3/4/10, mb1mx3.2/45, mbtmp3-75.0, Error ellipse: s-maj=46.7km s-min=18.3km az=35.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, YSM, San Miguel, 0.07 278 eP, LCV, Lacayo, 0.09 273 eP, PACA, Pacayal, 0.13 284 eP

Table with columns: HKT, Hockley, 16.20 333 ePn, ROSC, El Rosal, 16.73 129 ePn, LRAL, Lakeview Rete, 17.27 1 ePn, SDV, Santo Domingo, 17.66 111 Pn

Table with columns: OTAV, Otavalo, 17.69 149 ePn, CCAR, Cane Creek, 18.59 348 eP, JCT, Junction City, 18.63 324 eP, WHTX, Lake Whitney, 18.66 332 eP

Table with columns: MIAR, Mount Ida, 19.60 344 eP, W41B, Gary Mavity, V, 19.90 348 eP, TKL, Tuckaleechee C, 20.14 8 Pn, ABTX, Abilene, Hawle, 20.22 329 eP

Table with columns: TX31, Lajitas Arr, 20.26 315 eP, TXAR, Lajitas Array, 20.26 315 P, PBMO, Poplar Bluff, 21.18 353 eP, WMKO, Wichita Mountain, 21.57 334 eP

Table with columns: WCI, Wyandotte Cave, 22.47 2 eP, CCM, Cathedral Cave, 22.55 352 eP, MNTX, Cornudas Mount, 22.90 317 eP, ANTH, Atahualpa, 24.35 158 LR

Table with columns: LENM, Lemitar, 25.52 320 eP, PDAR, Pinedale Array, 23.02 329 P, RWL, Red Top Meadow, 34.10 329 eP, F10A, Beach Ranch, E, 39.19 327 eP

Table with columns: YKA, Yellowknife Arr, 50.54 344 P, YKA, Yellowknife Arr, 50.54 344 P, RES, Resolute Bay, 59.15 358 eP, ILAR, Eielson Array, 63.12 336 P

Table with columns: ESDC, Sonseca Array, 73.13 52 P, NOA, NORSAR Arr B, 80.50 29 P, DAVOX, Davos/Dischmat, 83.57 43 P, GERES, GRESS Array B, 85.42 41 P

Table with columns: TORD, Torodi Arr, 85.61 78 P, FINES, FINESS Array B, 87.03 26 P, KSH, Kashi, 122.92 15 PKP, WARR, Warramunga Arr, 140.16 258 PKP

Table with columns: ASAR, Alice Springs, 140.47 252 PKP, ISC/JB 12 03:38:12.6-0.3, 51:60N:0:0:16:06E:0:03, h0km, Error ellipse: s-maj=2.6km s-min=2.0km az=168.6

Table with columns: KSP, Ksiaz, 0.81 169 eP, UPC, Upice, 1.14 181 eP, DPC, Dobruska-Polom, 1.20 173 eP, PVCC, Panska Ves, 1.46 221 eP

Table with columns: BRG, Bergjessluffen, 1.54 241 PN, KRCL, Kralky, 1.63 163 eP, GOPC, Gop Pecny, Ondr, 1.91 205 ePn, PRU, Pruhonice, 1.91 211 ePn

Table with columns: CLL, Collim, 1.94 261 eP, MORC, Moravsky Berou, 2.09 145 eP, OKC, Ostrava-Krasne, 2.24 143 eP, CHZP, Chorow, 2.30 125 eP

Table with columns: BSD, YVHS, 3.62 149 ePn, VYHS, 3.62 149 ePn, CONA, Conrad Observa, 3.72 182 ePn, MOA, Molin, 3.97 198 ePn

Table with columns: ARSA, Arzberg, 4.41 185 ePn, BLEU, Bleikinge, 4.67 358 P, BJUJ, Bjuv, 4.79 339 P, KBA, Koelnbreinsberg, 4.90 202 ePn

Table with columns: DEL, Delary, 5.01 346 eP, SOKA, Soboth, 5.01 188 eP, WATA, Walderalm, 5.21 216 Sg, OBKA, Obir, 5.23 192 Pn

Table with columns: OBKA, Obir, 5.23 192 Pn, WTTA, Wattenberg, 5.24 215 eP, VXXU, Vaexsjoe, 5.33 353 P, VXXU, Vaexsjoe, 5.33 353 P

Table with columns: MOTA, Moosalm, 5.38 219 Sg, RETA, Retall, 5.40 222 ePn, ABTA, Abtlersbach, 5.42 207 Sg, SQTA, Sankt Quirin, 5.44 217 eSn

Table with columns: OSKU, Oskarshamn, 5.56 0 P, BYJU, Byjuv, 5.69 5 P, FABU, Falkenberg, 5.71 341 P, FETA, Feichten, 5.79 219 Sg

Table with columns: DAVX, Damuels, 5.93 225 ePn, DAVO, Davos/Dischmat, 6.33 222 Pn, DAVOX, Davox, 6.33 222 Pn, DAVOX, Davox, 6.33 222 Pn

Table with columns: AKAG, Malin Array Ba, 8.33 91 Pn, HFS, Hagfors, 8.62 352 P, WARR, Warramunga Arr, 140.16 258 PKP, ASAR, Alice Springs, 140.47 252 PKP

Table with columns: NOA, NORSAR Array B, 80.50 29 P, FINES, FINESS Array B, 87.03 26 P, EKA, Eskdalemuir Arr, 21.22 295 Pn, ARCES, ARCES Array B, 18.50 10 P

Table with columns: BUI 12 03:45:06.7, 17:88N:101:20W, h38km, mb5.6/3, mb5.6/12, MD5.4/12, M57 5.1/13, IDC 12 03:45:08.3-0.3, 17:97N:101:33W, h34km, 1km, mb4.7/42, mb1.8/4/5, mb1mx4.8/51, mbtmp4.9/45, ML4.2/3, M54.6/3/3

Table with columns: MEX 12 03:45:09.7-0.8, 17:77N:101:160W, h37km, 8km, MD5.2, NEIC 12 03:45:09.7-0.8, 17:77N:101:160W, h37km, 8km, MD5.2, NEIC 12 03:45:09.7-0.8, 17:77N:101:160W, h37km, 8km, MD5.2

Table with columns: MOS 12 03:45:09.5-1.0, 18:03N:101:37W, h54km, mb5.5/56, M55.0/13, Error ellipse: s-maj=7.3km s-min=3.9km az=91.3, ISC/JB 12 03:45:10.8-0.4, 18:08N:0:02:101:34W:0:0, h65km, 3km, mb5.2/367, Error ellipse: s-maj=3.6km s-min=2.0km

Table with columns: ZIIG, Zihuatanejo, 0.23 161 eP, ZIIG, Zihuatanejo, 0.23 161 eP, ARIG, Puente Sto Nin, 1.22 68 eP, ARIG, Puente Sto Nin, 1.22 68 eP

PNIG	Zacatecas	5.01 349	eS	Sb	03 46 47.3 -5.5
ZAIG	Zacatecas	5.01 349	ePn	Pn	03 46 22.5 +1.7
ZAIG	Zacatecas	5.01 349	iP	Pn	03 46 22.5 +2.1
LVIG	Laguna Verde	5.21 66	ePn	Pn	03 46 25.2 +2.0
CMIG	Matias Romero	6.40 96	Pn	Pn	03 46 41.8 +2.3
CMIG	23nm,0.3s,baz=269,slow=14,SNR=152		Sn	Sn	03 47 53.6 +2.1
CMIG	28nm,0.3s,baz=73,slow=17,SNR=4.3		Lg	Lg	03 48 18.3
CMIG	comp=Z,16um,18.9s,baz=270,slow=41		LR	LR	03 49 23.1
CMIG	Matias Romero	6.40 96	eP	Pn	03 46 41.8 +2.3
LNIG	Linares	7.30 15	ePn	Pn	03 46 53.7 +1.8
LNIG	Linares	7.30 15	eP	Pn	03 46 53.1 +1.1
H06E1	SOCORRO T-PHAS	8.96 278	T	T	03 58 32.1
H06S1	SOCORRO T	8.99 277	T	T	03 56 38.9
H06N1	SOCORRO T-PHAS	9.03 278	T	T	03 56 36.7
CCIG	Comitan	9.12 98	ePn	Pn	03 47 20.9 +3.7
SLBS	Sierra La Lagu	9.79 308	ePn	Pn	03 47 30.0 +3.9
HPIG	La Paz	9.83 338	ePn	Pn	03 47 30.4 +3.5
LPIG	La Paz	10.30 309	Pn	Pn	03 47 36.5 +3.4
LPIG	7.5nm,0.3s,baz=328,slow=6.3,SNR=7.3		LR	LR	03 51 06.2
833A	Chaparral WMA	10.63 10	ePn	Pn	03 47 38.7 +1.0
833A	Chaparral WMA	10.63 10	ePn	Pn	03 47 40.2 +2.5
TXAR	Lajas Array	11.62 351	Pn	Pn	03 47 53.6 +2.4
TXAR	1.3nm,0.3s,baz=165,slow=16,SNR=58		Lg	Lg	03 51 17.8
TXAR	0.6nm,0.3s,baz=166,slow=26,SNR=4.0		Lg	Lg	03 47 54.5 +3.2
YX31	Lajas Ar. Si	11.62 351	ePn	Pn	03 47 54.5 +3.2
JCT	Junction City	12.70 7	ePn	Pn	03 48 08.7 +2.7
JCT	Junction City	12.70 7	ePn	Pn	03 48 08.7 +2.7
JCT	Junction City	12.70 7	P	Pn	03 48 08.1 +2.2
HKT	Hockley	13.15 22	ePn	Pn	03 48 11.7 -0.3
HKT	Hockley	13.15 22	ePn	Pn	03 48 11.7 -0.3
435B	Jarrell	13.39 15	P	Pn	03 48 16.3 +0.9
435B	Jarrell	13.39 15	P	Pn	03 48 16.4 +1.0
SRIG	Santa Rosalia	13.66 316	ePn	Pn	03 48 22.3 +3.2
HSIG	Tequicigalpa,Un	14.22 103	ePn	Pn	03 48 20.3 -3.3
MNTX	Cornudas Mount	14.24 347	ePn	Pn	03 48 28.2 +1.2
MNTX	Cornudas Mount	14.24 347	ePn	Pn	03 48 29.2 +2.2
CLNB	Carlsbad	14.53 352	ePn	Pn	03 48 34.5 -2.7
GDLD	Guadalupe Mount	14.54 350	ePn	Pn	03 48 33.7 +2.6
WHTX	Lake Whitney	14.58 14	P	Pn	03 48 33.1 +1.6
WHTX	Lake Whitney	14.58 14	P	Pn	03 48 31.4 -0.2
APT	El Paso	14.59 343	ePn	Pn	03 48 34.6 +2.7
EBTX	Ablene, Hawle	14.83 6	P	Pn	03 48 36.1 +1.0
ABTX	Ablene, Hawle	14.83 6	P	Pn	03 48 35.6 +0.5
319A	Douglas	15.21 334	ePn	P	03 48 42.6 -2.1
NATX	Nacogdoches	15.21 23	P	Pn	03 48 41.0 +1.0
NATX	Nacogdoches	15.21 23	P	Pn	03 48 39.7 -0.2
121A	Cookes Peak, D	15.69 340	P	Pn	03 48 47.9 +1.5
MSTX	Muleshoe	16.11 356	P	Pn	03 48 51.8 0.0
MSTX	Muleshoe	16.11 356	P	Pn	03 48 51.4 -0.4
TUC	Tucson	16.66 332	ePn	P	03 49 00.7 -0.1
TUC	Tucson	16.66 332	eP	Pmax	03 49 00.7 -0.1
TUC	comp=Z,62nm,1.2s		P	P	03 49 01.2 +0.4
BNM	Barren Site	16.88 345	ePn	P	03 49 04.0 +0.6
Y22D	IRIS PASCAL I	16.88 344	ePn	Pn	03 49 02.3 +0.7
Y22D	IRIS PASCAL I	16.88 344	P	P	03 49 03.8 +0.5
LENM	Lemitar	16.98 344	ePn	Pn	03 49 02.4 -0.3
AMTX	Amarillo	16.99 360	ePn	P	03 49 02.7 -0.1
AMTX	Amarillo	16.99 360	P	Pn	03 49 02.9 +0.1
WMOK	Wichita Mounta	17.02 8	ePn	Pn	03 49 01.9 -1.3
WMOK	Wichita Mounta	17.02 8	eP	Pmax	03 49 01.9 -1.3
WMOK	Wichita Mounta	17.02 8	P	Pn	03 49 01.8 -1.4
LPM	Los Pinos Mount	17.04 345	ePn	Pn	03 49 04.8 -0.3
LAZ	Ladron	17.25 344	ePn	Pn	03 49 06.6 +0.4
Z41A	Richland Creek	17.26 25	ePn	Pn	03 49 06.5 +0.5
Z41A	Richland Creek	17.26 25	P	Pn	03 49 05.1 -1.0
214A	Organ Pipe Nat	17.37 326	P	Pn	03 49 08.6 -0.1
VBMS	Vicksburg	17.45 33	ePn	Pn	03 49 08.7 +0.3
VBMS	Vicksburg	17.45 33	P	Pn	03 49 08.8 -1.6
WLAR	White Oak Lake	17.51 24	ePn	P	03 49 09.6 -0.6
X37A	Clayton	17.58 17	ePn	P	03 49 10.5 -0.4
ANMO	Albuquerque	17.61 347	P	Pn	03 49 10.0 -0.6
ANMO	Albuquerque	17.61 347	LR	LR	03 56 51.3
ANMO	Albuquerque	17.61 347	eP	Pn	03 49 11.4 0.0
ANMO	Albuquerque	17.61 347	eP	Pmax	03 49 12.4 +1.0
ANMO	Albuquerque	17.61 347	P	P	03 49 12.5 +1.1
TASM	ASL Pad, Albuq	17.61 347	P	Pn	03 49 12.1 +0.7
TASM	ASL Pad, Albuq	17.61 347	P	Pn	03 49 12.7 +1.3
JTS	JuntasAbangare	17.74 113	P	P	03 49 15.1 +2.3
JTS	JuntasAbangare	17.74 113	ePn	Pn	03 49 12.0 -0.2
JTS	JuntasAbangare	17.74 113	iP	Pn	03 49 15.3 +2.5
MIAR	Mount Ida	18.11 22	eP	Pn	03 49 16.4 -0.1
MIAR	Mount Ida	18.11 22	eP	Pmax	03 49 16.4 -0.1
MIAR	Mount Ida	18.11 22	P	Pmax	03 49 15.5 -1.0
X18A	Snowflake	18.25 337	eP	Pn	03 49 19.9 +1.4
CCAR	Cane Creek	18.26 27	eP	Pn	03 49 19.0 +0.6
449A	Pace	18.31 43	P	Pn	03 49 18.4 -0.6
X40A	Basin Creek Fa	18.33 23	P	Pn	03 49 19.4 +0.2
X40A	Basin Creek Fa	18.33 23	P	P	03 49 17.3 -1.8
113A	Mohawk Valley	18.51 326	eP	Pn	03 49 22.7 +1.3
W39A	Magazine	18.63 20	eP	Pn	03 49 23.1 +0.2
B39A	Magazine	18.63 20	P	P	03 49 21.4 -1.0
BRAL	Brewton	18.69 42	P	P	03 49 22.8 -0.4
W18A	Petrified Fore	18.70 339	eP	Pn	03 49 24.3 +0.3
W18A	Petrified Fore	18.70 339	P	Pn	03 49 24.9 +0.8
TUL1	Leonard	18.72 15	eP	P	03 49 22.8 -0.7
TUL1	Leonard	18.72 15	P	P	03 49 22.6 -0.9
349A	Repton	18.72 41	P	P	03 49 22.4 -1.0
X16A	Lo Mia Camp, P	18.74 334	eP	Pn	03 49 25.7 +1.2

UALR	University of	18.77 24	eP	P	03 49 23.7 -0.3
147A	Livingston	19.02 36	eP	P	03 49 26.7 0.0
147A	Livingston	19.02 36	P	P	03 49 25.3 -1.4
W41B	Gary Mavity, V	19.16 24	eP	P	03 49 28.1 -0.1
W41B	Gary Mavity, V	19.16 24	P	P	03 49 27.4 -0.8
WBCY	West Bay, Gran	19.16 82	eP	P	03 49 28.4 +0.1
X43A	Marvel	19.16 28	eP	P	03 49 28.3 +0.1
X43A	Marvel	19.16 28	P	P	03 49 28.5 +0.3
249A	Camden	19.19 40	P	P	03 49 28.1 -0.6
WHAR	Wooley Hollow	19.24 24	eP	P	03 49 28.8 -0.3
GLA	Glamis	19.30 324	eP	Pn	03 49 31.3 +0.2
GLA	Glamis	19.30 324	eP	Pmax	03 49 31.3 +0.2
GLA	comp=Z,106nm,1.0s		Pn	Pn	03 49 31.8 +0.7
350A	Dozier	19.32 43	P	P	03 49 26.9 -3.1
148A	Greensboro	19.40 38	P	P	03 49 28.5 -2.3
T25A	Trinidad	19.41 353	eP	Pn	03 49 31.0 -0.2
T25A	Trinidad	19.41 353	P	Pn	03 49 32.2 -0.3
HHAR	Hobbs	19.58 19	eP	P	03 49 31.7 -1.1
WUAZ	Wupatki	19.67 336	eP	Pn	03 49 35.1 -0.5
WUAZ	Wupatki	19.67 336	P	Pn	03 49 36.3 +0.8
Y12C	Blythe	19.67 326	eP	Pn	03 49 35.0 -0.4
Y12C	Blythe	19.67 326	P	Pn	03 49 35.3 -0.1
351A	Big Bend	19.70 44	P	P	03 49 34.0 -0.2
250A	Grady	19.73 42	eP	P	03 49 34.1 -0.4
250A	Grady	19.73 42	P	P	03 49 33.4 -1.0
IKP	In-Ko-Pah, Jac	19.75 321	P	Pn	03 49 36.7 +0.2
SWSC	Sam W. Stewart	19.78 322	P	Pn	03 49 37.0 +0.2
149A	Jones	19.83 39	P	P	03 49 34.5 -1.1
OXF	Oxford	19.84 31	eP	P	03 49 35.1 -0.6
OXF	Oxford	19.84 31	eP	Pmax	03 49 35.1 -0.6
OXF	Oxford	19.84 31	P	P	03 49 34.2 -1.5
PDMCI	Parker Dam, Lak	19.90 328	P	P	03 49 36.7 +0.3
U40A	Yellville	19.99 21	P	P	03 49 36.3 -1.0
LRAL	Lakeview Retre	20.01 38	eP	P	03 49 36.8 -0.8
LRAL	Lakeview Retre	20.01 38	P	P	03 49 36.5 -1.1
MET	Memphis-Engin	20.09 29	eP	P	03 49 37.5 -0.9
BC3	Big Chuckawall	20.10 324	P	Pn	03 49 40.1 -0.6
MONP2	Monument Peak	20.11 321	P	Pn	03 49 40.8 -0.1
BAR	Barrett	20.11 320	eP	P	03 49 40.4 -0.3
HBAR	Harrisburg	20.13 27	eP	P	03 49 38.8 -0.3
SDCO	Great Sand Dun	20.15 351	eP	P	03 49 39.9 +0.6
SDCO	Great Sand Dun	20.15 351	P	P	03 49 40.3 +0.9
MVCO	Mesa Verde	20.26 344	eP	P	03 49 41.0 +0.5
MVCO	Mesa Verde	20.26 344	P	P	03 49 41.3 +0.8
352A	Blakely	20.28 45	eP	P	03 49 40.7 +0.1
X46A	Booneville	20.28 32	P	P	03 49 39.5 -1.0
150A	Belle Mtn, Jos	20.30 41	P	P	03 49 39.5 -1.2
IRM	Iron Mountain	20.31 326	P	Pn	03 49 42.8 -0.3
U41A	Viola	20.31 23	P	P	03 49 40.2 -0.6
453A	Whigham	20.32 47	eP	P	03 49 41.2 +0.3
251A	Midway	20.35 43	P	P	03 49 39.8 -1.5
655A	Horseshoe Beac	20.36 52	P	P	03 49 41.1 -0.3
S22A	4UR Ranch, Cre	20.38 348	eP	P	03 49 42.7 +0.8
S22A	4UR Ranch, Cre	20.38 348	P	Pn	03 49 43.3 -0.8
Z49A	Columbiana	20.40 39	P	P	03 49 40.5 -1.3
W13A	Hualapai Mount	20.41 330	eP	Pn	03 49 43.4 -1.0
NEE2	Needles Airpor	20.51 328	P	Pn	03 49 45.0 -0.3
109C	Camp Elliot, M	20.52 320	eP	Pn	03 49 45.0 -0.5
CPE	Camp Elliot, M	20.52 320	eP	Pn	03 49 44.6 -0.9
Y48A	Jasper	20.55 36	P	P	03 49 42.1 -1.4
X47A	Russellville	20.63 34	P	P	03 49 43.1 -1.2
PFO	Pinyon Flats O	20.64 322	eP	Pn	03 49 46.3 -0.7
PFO	Pinyon Flats O	20.64 322	eP	Pmax	03 49 46.3 -0.7
PFO	Pinyon Flats O	20.64 322	P	Pn	03 49 46.5 -0.5
958A	Wauchula	20.65 58	P	P	03 49 41.8 -2.8
BELC	Belle Mtn, Jos	20.66 324	P	Pn	03 49 46.4 -0.9
151A	Opeika	20.69 42	P	P	03 49 45.0 +0.1
252A	Lumpkin	20.73 44	P	P	03 49 46.3 +1.0
GNAR	Gosnell	20.75 27	eP	P	03 49 45.4 -0.2
Z50A	Ashland	20.81 39	eP	P	03 49 44.8 -1.4
Z50A	Ashland	20.81 39	P	P	03 49 44.9 -1.4
U15A	North Rim	20.82 335	eP	P	03 49 47.7 +1.0
656A	Willston	20.83 53	eP	P	03 49 46.4 -0.1
656A	Willston	20.83 53	P	P	03 49 46.2 -0.3
W46A	Michie	20.84 32	P	P	03 49 44.8 -1.8
PLAL	Piedlich Lake	20.88 32	eP	P	03 49 45.9 -1.1
555A	McAlpin	20.89 51	eP	P	03 49 47.1 0.0
555A	McAlpin	20.89 51	P	P	03 49 45.7 -1.4
Y49A	Blount Mountai	20.94 37	eP	P	03 49 46.3 -1.4
Y49A	Blount Mountai	20.94 37	P	P	03 49 46.6 -1.1
CBKS	Cedar Bluff	20.97 4	eP	P	03 49 47.9 -0.1
CBKS	Cedar Bluff	20.97 4	eP	Pmax	03 49 47.9 -0.1
CBKS	comp=Z,171nm,0.9s		Pmax	Pmax	

CBKS	Cedar Bluff	20.97 4	P	P	03 49 46.9 -1.1
757A	Oxford	20.99 55	P	P	03 49 46.3 -1.9
LDFO	Landfair	21.00 328	eP	P	03 49 50.3 +1.8
HALT	Halls	21.01 29	eP	P	03 49 48.0 -0.3
X48A	Hartselle	21.02 35	eP	P	03 49 46.2 -2.3
X48A	Hartselle	21.02 35	P	P	03 49 45.9 -2.6
GMRC	Granite Mounta	21.06 326	P	P	03 49 50.7 +1.5
MURC	Murrieta	21.07 321	P	P	03 49 50

FVM	French Village	22.32	24	eP	P	03 50 00.8	-1.6
FVM	French Village						
X51A	Calhoun	22.35	39	eP	P	03 50 03.0	+0.2
Y52A	Libburn	22.36	41	eP	P	03 50 00.7	-2.3
Y52A	Libburn	22.36	41	P	P	03 50 00.4	-2.5
U47A	Clarksville	22.42	31	P	P	03 50 01.0	-2.4
EDW2	Edwards Air	22.44	322	P	P	03 50 04.5	+0.7
R42A	Luebbering	22.44	23	P	P	03 50 00.4	-3.4
GOGA	Godfrey	22.45	43	eP	P	03 50 02.0	-1.9
GOGA	Godfrey	22.45	43	eP	P	03 50 02.0	-1.9
GOGA	Godfrey	22.45	43	P	P	03 50 01.0	-2.9
W50A	Signal Mountai	22.54	37	P	P	03 50 02.8	-3.3
W50A	Signal Mountai	22.54	37	P	P	03 50 01.5	-3.3
S44A	Carbisdale	22.54	26	P	P	03 50 02.5	-2.3
BLG	Laguna Peak, P	22.55	319	P	P	03 50 05.3	+0.3
SIUC	Southern Illin	22.57	26	eP	P	03 50 03.5	-1.6
SRU	San Rafael Swe	22.60	342	eP	P	03 50 06.1	+0.4
SRU	San Rafael Swe	22.60	342	eP	P	03 50 06.1	+0.4
T46A	Princeton	22.60	29	P	P	03 50 02.4	-3.1
MSU	Marysville	22.61	338	eP	P	03 50 06.8	+1.0
MSU	Marysville	22.61	338	eP	P	03 50 06.8	+1.0
V49A	McMinnville	22.62	35	P	P	03 50 02.9	-2.8
PNME	Penonome	22.62	111	eP	P	03 50 07.8	+1.9
PNME	Penonome	22.62	111	eP	P	03 50 07.8	+1.9
Q16A	Castle Violey	22.63	340	eP	P	03 50 06.0	+0.1
155A	Kite	22.63	46	P	P	03 50 01.9	-3.9
Y53A	Monroe	22.66	42	P	P	03 50 03.3	-2.8
LRMC	Laurel Mtn Rad	22.69	324	P	P	03 50 07.7	+1.1
TCRU	Three Creeks R	22.79	338	eP	P	03 50 04.7	-3.0
S45A	Carrier Mills	22.82	27	P	P	03 50 06.3	-1.4
MTDJ	Mount Denham	22.83	85	eP	P	03 50 07.9	-0.2
MTDJ	Mount Denham	22.83	85	eP	P	03 50 08.7	+0.5
MTDJ	Mount Denham	22.83	85	eP	P	03 50 08.7	+0.5
SC22	Santa Cruz Isl	22.83	318	P	P	03 50 06.7	-1.3
U48A	Castle Pea, Po	22.85	32	P	P	03 50 05.0	-3.0
Q14A	Truxton	22.89	21	P	P	03 50 05.9	-2.5
T47A	Sharon Grove	22.94	31	eP	P	03 50 06.8	-2.1
T47A	Sharon Grove	22.94	31	P	P	03 50 06.6	-2.4
X52A	Dahlonega	22.96	40	P	P	03 50 05.8	-3.4
SLM	Saint Louis	22.96	23	eP	P	03 50 08.9	-0.3
SLM	Saint Louis	22.96	23	eP	P	03 50 08.9	-0.3
O20A	White River Ci	22.98	347	P	P	03 50 10.2	+0.7
O20A	White River Ci	22.98	347	P	P	03 50 09.7	+0.2
FURC	Furnace Creek	22.98	327	P	P	03 50 10.4	+1.0
TMUT	Trail Mountain	22.99	341	eP	P	03 50 10.5	+0.7
V50A	Pikeville	22.99	36	P	P	03 50 06.8	-2.7
P17A	Butcher Ranch	23.00	342	eP	P	03 50 10.5	+0.7
MPMC	Manual Procep	23.00	325	P	P	03 50 10.9	+1.0
OGNE	Ogallala	23.04	359	eP	P	03 50 10.3	+0.1
OGNE	Ogallala	23.04	359	eP	P	03 50 09.4	-0.7
R44A	Waltonville	23.08	26	P	P	03 50 08.4	-2.0
Q42A	Golden Eagle	23.10	22	P	P	03 50 08.4	-2.1
ARVC	Arvin	23.10	322	P	P	03 50 12.1	+1.4
CPCT	Cooper Cave	23.17	37	eP	P	03 50 08.9	-2.4
SBC	Santa Barbara	23.17	319	P	P	03 50 08.5	-2.9
S46A	Don Dixon Farm	23.21	29	P	P	03 50 09.7	-2.0
Z55A	Blythe	23.21	45	P	P	03 50 10.5	-1.2
DAC	Darwin (Calif)	23.22	325	eP	P	03 50 14.0	+1.9
Y54A	Tignall	23.24	43	P	P	03 50 08.8	-3.2
U49A	Red Boiling Sp	23.25	34	P	P	03 50 09.4	-2.7
X53A	Estanollee	23.26	41	P	P	03 50 09.7	-2.5
ISA	Isabella, Lake	23.27	323	eP	P	03 50 13.8	+1.4
ISA	Isabella, Lake	23.27	323	eP	P	03 50 13.8	+1.4
ISA	Isabella, Lake	23.27	323	P	P	03 50 13.4	+1.0
PSUT	Pine Spring	23.27	335	eP	P	03 50 13.9	+1.3
W52A	Murphy	23.27	39	eP	P	03 50 11.4	-1.0
W52A	Murphy	23.27	39	P	P	03 50 09.9	-2.5
N23A	Red Feather La	23.30	352	eP	P	03 50 13.2	+0.3
N23A	Red Feather La	23.30	352	P	P	03 50 12.7	-0.2
156A	Sylvania	23.32	47	P	P	03 50 12.7	-0.1
T48A	Bowling Green	23.39	32	P	P	03 50 11.1	-2.3
Q43A	New Douglas	23.43	24	P	P	03 50 12.0	-1.9
R45A	Skyler, Fairri	23.46	27	P	P	03 50 11.5	-2.7
US1A	University of	23.46	28	eP	P	03 50 13.1	-1.0
US1A	University of	23.46	28	eP	P	03 50 12.7	-1.1
V51A	Loudon	23.51	37	P	P	03 50 11.9	-2.8
S47A	Hartford	23.53	30	P	P	03 50 12.5	-2.3
P41A	Barry, Barry	23.59	21	P	P	03 50 13.1	-2.4
CWC	Cottonwood Cre	23.61	325	P	P	03 50 16.0	+0.2
PHWY	Pilot Hill	23.64	353	eP	P	03 50 16.2	+0.0
GRAC	Grapevine Rang	23.64	327	P	P	03 50 17.7	+1.7
Q44A	Meyer Farm, Va	23.67	25	eP	P	03 50 14.9	-1.3
Q44A	Meyer Farm, Va	23.67	25	P	P	03 50 14.6	-1.6
U50A	Jamestown	23.68	35	P	P	03 50 13.7	-2.7
BGNE	Belgrade	23.68	6	eP	P	03 50 16.0	-0.3

BGNE	Belgrade	23.68	6	P	P	03 50 15.3	-1.0
157A	Early Branch	23.68	47	P	P	03 50 14.7	-1.7
R46A	Gib Southern	23.73	28	P	P	03 50 15.2	-1.6
VES	Vestal, Richgr	23.74	323	P	P	03 50 18.4	+1.5
TKL	Tuckaleechee C	23.75	38	P	P	03 50 14.5	-2.5
TKL	Tuckaleechee C	23.75	38	eP	P	03 50 14.7	-2.3
TKL	Tuckaleechee C	23.75	38	eP	P	03 50 14.7	-2.3
P42A	Winchester	23.76	22	eP	P	03 50 15.1	-1.9
P42A	Winchester	23.76	22	P	P	03 50 14.9	-2.1
MPU	Maple Canyon	23.77	341	eP	P	03 50 18.0	+0.6
W53A	Cullowhee	23.78	40	P	P	03 50 16.1	-1.3
Z56A	Williston	23.79	46	P	P	03 50 14.5	-2.9
BG3	Lakewassee	23.81	40	eP	P	03 50 16.6	-1.0
T49A	Edmonton	23.82	33	eP	P	03 50 15.7	-1.9
T49A	Edmonton	23.82	33	P	P	03 50 15.4	-2.2
Y55A	Saluda	23.83	44	P	P	03 50 15.1	-2.6
R11A	Troy Canyon, C	23.85	332	eP	P	03 50 18.7	+0.6
R11A	Troy Canyon, C	23.85	332	P	P	03 50 19.4	+1.3
NLU	North Lily Min	23.86	340	eP	P	03 50 19.0	+0.7
X54A	Belton	23.87	42	P	P	03 50 16.3	-1.8
OLIL	Olney	23.91	27	eP	P	03 50 17.3	-1.1
SMMC	Simonsville	23.92	320	P	P	03 50 20.4	+1.7
V52A	Sevierville	23.98	38	eP	P	03 50 16.9	-2.2
V52A	Sevierville	23.98	38	P	P	03 50 16.7	-2.4
S48A	Wiedeman Farm	23.98	31	P	P	03 50 16.9	-2.2
Q45A	Warren Harvey	24.02	26	P	P	03 50 17.5	-1.9
O41A	Passleys Farm	24.05	20	P	P	03 50 17.8	-1.9
Y56A	Pelion	24.11	45	P	P	03 50 17.9	-2.5
P43A	Skaggs, Pawnee	24.11	23	P	P	03 50 19.1	-1.2
U51A	La Follette	24.11	37	P	P	03 50 18.2	-2.2
T50A	Nancy	24.12	34	P	P	03 50 18.1	-2.4
TIN	Tinemaha, Big	24.14	326	P	P	03 50 21.1	+0.4
Z57A	Boyana	24.23	47	P	P	03 50 20.7	-0.7
VOG	Valley Oaks Go	24.25	323	P	P	03 50 21.7	+0.1
JLU	Jordanelle	24.25	341	eP	P	03 50 22.4	+0.5
R47A	Wooly Knot Far	24.25	30	P	P	03 50 20.5	-1.1
RWWY	Rawlins	24.27	350	eP	P	03 50 21.5	-0.6
X55A	Gracelyn & A	24.30	43	P	P	03 50 20.1	-2.0
P44A	Sand Creek, Wi	24.31	25	P	P	03 50 21.0	-1.1
WCI	Wydotte Cave	24.31	30	eP	P	03 50 20.6	-1.6
WCI	Wydotte Cave	24.31	30	eP	P	03 50 20.6	-1.6
WCI	Wydotte Cave	24.31	30	P	P	03 50 20.7	-1.6
V53A	Saluda	24.33	39	eP	P	03 50 20.9	-1.5
V53A	Saluda	24.33	39	P	P	03 50 20.8	-1.6
DUG	Dugway, Tooele	24.33	339	eP	P	03 50 23.3	+0.8
DUG	Dugway, Tooele	24.33	339	P	P	03 50 21.9	-0.6
W54A	Cherokee Point	24.33	41	P	P	03 50 21.1	-1.3
PAGB	Antelope Grade	24.36	321	eP	P	03 50 23.8	+1.1
RGRS	Roger Stewart	24.38	48	eP	P	03 50 21.8	-1.0
O42A	Bath	24.40	22	P	P	03 50 21.0	-1.8
PAULI	Pauline	24.40	42	eP	P	03 50 22.0	-1.0
CTU	Camp Tracy	24.43	341	eP	P	03 50 23.9	+0.4
S49A	Springfield	24.46	32	P	P	03 50 21.4	-2.2
Q46A	CEJHS Indians	24.47	27	P	P	03 50 21.4	-2.1
U52A	Thorn Hill	24.49	37	P	P	03 50 21.9	-1.9
NHSC	New Hope	24.50	48	eP	P	03 50 23.5	-0.4
NHSC	New Hope	24.50	48	eP	P	03 50 22.9	-1.0
TZTN	Tazewell	24.50	37	eP	P	03 50 22.3	-1.6
TZTN	Tazewell	24.50	37	P	P	03 50 22.1	-1.8
CSU	Charleston Co	24.50	48	eP	P	03 50 23.4	-0.6
N40A	Mertotke, Sal	24.53	18	P	P	03 50 21.6	-2.5
T51A	Gray	24.57	36	P	P	03 50 22.2	-2.3
N41A	Harden Midland	24.59	20	P	P	03 50 22.7	-2.0
N41A	Harden Midland	24.59	20	P	P	03 50 22.6	-2.1
R48A	Northridge Ran	24.65	31	P	P	03 50 23.7	-1.5
UPD2</							

ECSD	EROS Data Cent	26.16	8	P	P	03 50 37.3 -1.6
M44A	Midewin, Midew	26.18	23	eP	P	03 50 38.5 -0.6
SOLC	Bahia Solano	26.23	113	eP	P	03 50 41.7 +1.9
SOLC	Bahia Solano	26.23	113	eP	P	03 50 41.7 +1.9
R52A	Catlettsburg	26.27	35	P	P	03 50 37.5 -2.5
BMN	Battle Mountain	26.28	332	eP	P	03 50 41.0 +0.8
N46A	Monticello	26.29	26	P	P	03 50 39.8 -0.3
RSSD	Black Hills	26.30	356	eP	P	03 50 40.4 0.0
RSSD	Black Hills	26.30	356	eP	P	03 50 40.4 0.0
RSSD	Black Hills	26.30	356	eP	P	03 50 40.3 -0.1
K40A	Colesburg	26.33	17	P	P	03 50 39.4 -1.0
V57A	Coltrane Farms	26.37	43	P	P	03 50 38.8 -2.1
PNTR	Pine Nut	26.38	327	eP	P	03 50 42.5 +1.3
Q51A	McDuffie Farm	26.39	46	P	P	03 50 39.4 -1.6
Q51A	Peebles	26.39	34	eP	P	03 50 39.1 -2.1
Q51A	Peebles	26.40	33	P	P	03 50 38.8 -2.3
O48A	Farmland	26.46	29	P	P	03 50 36.4 -5.2
K41A	Shullsburg	26.49	19	P	P	03 50 41.3 -0.5
T55A	Pulaski	26.51	39	P	P	03 50 40.4 -1.8
VCNR	Virginia City	26.56	327	eP	P	03 50 43.8 +1.0
P50A	Jamesstown	26.61	32	P	P	03 50 41.9 -1.1
L43A	Garden Prairie	26.62	22	P	P	03 50 43.6 +0.5
SUSD	Miller	26.62	4	P	P	03 50 42.9 -0.2
RUBR	Rubicon Trail	26.64	326	eP	P	03 50 44.8 +1.3
REDW	Red Top Meadow	26.65	345	eP	P	03 50 43.8 +0.2
R53A	Hurricane	26.65	36	P	P	03 50 41.4 -2.0
N47A	Urbana	26.72	27	P	P	03 50 38.2 -5.8
SNOW	Snow King Moun	26.72	345	eP	P	03 50 44.7 +0.5
PAHR	Pah Rah Range	26.73	328	eP	P	03 50 45.1 +0.8
JFWS	Jewell Farm	26.79	19	eP	P	03 50 44.2 -0.3
JFWS	Jewell Farm	26.79	19	P	P	03 50 39.6 -5.0
O49A	Covington	26.79	30	eP	P	03 50 42.5 -2.1
O49A	Covington	26.79	30	P	P	03 50 44.0 -0.6
BLA	Blacksburg	26.79	40	eP	P	03 50 43.2 -1.5
BLA	Blacksburg	26.79	40	eP	P	03 50 43.2 -1.5
BLA	Blacksburg	26.79	40	eP	P	03 50 43.2 -1.5
TPAW	Teton Pass	26.80	345	eP	P	03 50 45.3 +0.4
LOHW	Long Hollow	26.82	345	eP	P	03 50 45.3 +0.1
M46A	Old House Fiel	26.87	26	eP	P	03 50 45.1 -0.2
M46A	Old House Fiel	26.87	26	P	P	03 50 39.6 -5.8
P51A	Willitsport	26.89	33	eP	P	03 50 43.5 -1.9
T56A	Rocky Mt	26.91	40	P	P	03 50 44.1 -1.7
Q52A	Bidwee	26.93	35	P	P	03 50 43.6 -2.2
DBBC	Dabeiba	26.93	110	eP	P	03 50 48.6 +2.4
DBBC	Dabeiba	26.93	110	eP	P	03 50 48.6 +2.4
FXWY	Fox Creek	26.95	345	eP	P	03 50 46.4 +0.1
MOOW	Moose Ponds	26.99	345	eP	P	03 50 46.7 +0.1
N48A	Decatur	27.00	28	P	P	03 50 38.8 -7.7
AFDM	Forest Hills D	27.00	325	eP	P	03 50 47.5 +0.9
J40A	Soldiers Grove	27.08	17	P	P	03 50 44.9 -2.3
R54A	Victor	27.10	37	P	P	03 50 38.9 -8.6
O50A	Cable	27.11	31	P	P	03 50 45.9 -1.5
S55A	Lewisburg	27.11	39	P	P	03 50 41.5 -6.1
M47A	Crowwell	27.14	27	P	P	03 50 47.3 -0.5
IMW	Indian Meadow	27.17	345	eP	P	03 50 48.6 +0.2
K43A	Burlington	27.23	22	P	P	03 50 48.1 -0.4
UREC	San Jos de Ur	27.23	108	eP	P	03 50 50.1 +1.3
UREC	San Jos de Ur	27.23	108	eP	P	03 50 47.0 -1.9
J41A	Loganville	27.27	19	P	P	03 50 47.5 -1.4
W60A	Pink Hill	27.27	46	P	P	03 50 49.5 +0.2
FLWY	Flagg Ranch	27.29	346	eP	P	03 50 50.6 +0.8
BEKR	Beckworth	27.35	327	eP	P	03 50 48.1 -1.8
T57A	Hurt	27.38	41	P	P	03 50 50.0 -0.4
N49A	Columbus Grove	27.44	29	P	P	03 50 49.5 -0.9
N49A	Columbus Grove	27.44	29	P	P	03 50 50.4 -0.4
ACSO	Alum Creek Sta	27.49	32	eP	P	03 50 51.7 +0.5
YPP	Pitchstone Pla	27.49	345	eP	P	03 50 52.1 +0.4
H17A	Grant Village	27.56	342	eP	P	03 50 44.9 -7.2
O51A	Pataskala	27.62	32	P	P	03 50 53.3 +0.5
YFT	Old Faithful	27.67	346	eP	P	03 54 12.7 +3.3
R55A	Marlington	27.67	38	P	P	03 50 50.6 -2.1
LKWY	Lake	27.68	346	eP	P	03 50 52.9 +0.1
LKWY	Lake	27.68	346	eP	P	03 50 52.9 +0.1
ORV	Oroville	27.72	325	eP	P	03 50 54.0 +1.1
ORV	Oroville	27.72	325	eP	P	03 50 54.1 +1.1
P53A	Whipple	27.78	35	eP	P	03 50 51.8 -1.7
T58A	Grand View Acr	27.80	42	P	P	03 50 52.0 -1.7
N50A	Nevada	27.82	31	P	P	03 50 51.0 -2.8
HLID	Hailey	27.87	340	eP	P	03 50 55.0 +0.5
HLID	Hailey	27.87	340	eP	P	03 50 54.9 +0.4
H38A	Maiden Rock	27.87	14	P	P	03 50 49.4 -4.9
YNR	Norris Juncto	27.88	346	eP	P	03 50 54.8 +0.1
HELC	Santa Helena	27.90	111	eP	P	03 50 57.8 +2.5
HELC	Santa Helena	27.90	111	eP	P	03 50 57.8 +2.5
YMR	Madison River	27.91	346	eP	P	03 50 55.1 +0.3

U59A	Littleton	27.94	44	P	P	03 50 53.3 -1.6
RLMT	Red Lodge	27.97	348	eP	P	03 50 55.1 -0.3
RLMT	Red Lodge	27.97	348	P	P	03 50 54.9 -0.5
O52A	Adamsville	27.99	33	eP	P	03 50 53.0 -2.4
YHH	Holmes Hill	27.99	346	eP	P	03 50 55.2 -0.5
YHB	Horse Butte	28.04	345	eP	P	03 50 56.3 +0.3
SS7A	Dark Hollow, R	28.04	40	P	P	03 50 54.2 -1.7
H39A	Augusta	28.12	16	P	P	03 50 55.1 -1.4
SMLC	San Martn de	28.16	105	eP	P	03 50 59.5 +2.3
SMLC	San Martn de	28.16	105	eP	P	03 50 59.5 +2.3
Q55A	Buckhannon	28.17	37	P	P	03 50 59.1 +2.0
QLMT	Earthquake Lak	28.17	345	eP	P	03 50 57.1 -0.1
YOTC	Yotoco, Valle	28.25	116	eP	P	03 50 58.6 +0.5
YOTC	Yotoco, Valle	28.25	116	eP	P	03 50 58.6 +0.5
SPMN	Marine on St.	28.28	13	P	P	03 50 55.0 -1.8
SPMN	Marine on St.	28.28	13	P	P	03 50 55.8 -2.1
O03E	Paynes Creek	28.41	326	P	P	03 50 58.9 -0.4
WVOR	Wild Horse Val	28.53	333	eP	P	03 51 01.0 +0.7
WVOR	Wild Horse Val	28.53	333	eP	P	03 51 01.0 +0.7
WVOR	Wild Horse Val	28.53	333	eP	P	03 51 01.0 +0.7
MCMT	McKenzie Canyo	28.54	343	eP	P	03 51 00.8 +0.3
OTAV	Otavallo	28.66	125	eP	P	03 51 03.7 +1.6
OTAV	Otavallo	28.66	125	eP	P	03 51 03.7 +1.6
RREF	El Recreo	28.66	113	eP	P	03 51 05.4 +3.1
RREF	El Recreo	28.66	113	eP	P	03 51 05.4 +3.1
GCMT	Greycliff	28.69	348	eP	P	03 51 02.4 +0.7
PTBC	PUERTO BERRIO,	28.71	110	eP	P	03 51 02.8 +0.8
PTBC	PUERTO BERRIO,	28.71	110	eP	P	03 51 02.8 +0.8
SDDR	Presa de Saban	28.71	83	eP	P	03 51 02.0 -0.1
AAM	Ann Arbor	28.77	28	eP	P	03 51 02.0 -0.3
AAM	Ann Arbor	28.77	28	eP	P	03 51 02.0 -0.3
AAM	Ann Arbor	28.77	28	eP	P	03 51 02.0 -0.3
NORC	Norcasia	28.77	112	eP	P	03 51 04.5 +1.9
NORC	Norcasia	28.77	112	eP	P	03 51 04.5 +1.9
MOD	Modoc Plateau	28.86	330	eP	P	03 51 03.8 +0.3
MOD	Modoc Plateau	28.86	330	eP	P	03 51 03.8 +0.3
GCUF	Volcan Galeras	28.93	122	eP	P	03 51 07.1 +2.5
GCUF	Volcan Galeras	28.93	122	eP	P	03 51 07.1 +2.5
BOZ	Bozeman (W)	28.94	345	eP	P	03 51 03.5 -0.4
BOZ	Bozeman (W)	28.94	345	eP	P	03 51 03.5 -0.4
BOZ	Bozeman (W)	28.94	345	eP	P	03 51 04.2 +0.2
DLMT	Dillon	28.97	344	eP	P	03 51 04.5 +0.3
SOTA	Sotavento	29.02	120	eP	P	03 51 08.8 +3.4
SOTA	Rioblanco	29.02	120	eP	P	03 51 08.8 +3.4
LAO	LASA Array	29.04	353	eP	P	03 51 04.4 -0.3
LAO	LASA Array	29.04	353	eP	P	03 51 04.4 -0.3
LAO	LASA Array	29.04	353	eP	P	03 51 03.9 -0.8
CRUC	La Cruz	29.06	121	eP	P	03 51 08.8 +3.2
CRUC	La Cruz	29.06	121	eP	P	03 51 08.8 +3.2
PCON	Cinco Dias	29.09	119	eP	P	03 51 08.8 +2.7
PCON	Cinco Dias	29.09	119	eP	P	03 51 08.8 +2.7
BRRC	Barranca, Sant	29.14	108	eP	P	03 51 07.1 +1.2
BRRC	Barranca, Sant	29.14	108	eP	P	03 51 07.1 +1.2
MARP	Paez Belalozca	29.18	118	eP	P	03 51 10.4 +3.9
MARP	Paez Belalozca	29.18	118	eP	P	03 51 10.4 +3.9
J08A	Circle Bar Ran	29.21	334	eP	P	03 51 07.4 +1.1
KMRM	Mail Ridge	29.40	324	eP	P	03 51 09.1 +1.0
M04C	Macdoel	29.52	318	P	P	03 51 10.1 +1.0
M04C	Macdoel	29.52	318	P	P	03 51 10.1 +1.0
ROSC	El Rosal	29.59	113	eP	P	03 51 10.3 +0.2
ROSC	El Rosal	29.59	113	eP	P	03 51 10.3 +0.2
ROSC	El Rosal	29.59	113	eP	P	03 51 10.3 +0.2
PRAC	Prado	29.64	115	eP	P	03 51 12.1 +1.8
PRAC	Prado	29.64	115	eP	P	03 51 12.1 +1.8
K05A	Summer Lake	29.78	331	eP	P	03 51 12.4 +1.0
BARC	Barichara	29.83	108	eP	P	03 51 13.0 +0.7
BARC	Barichara	29.83	108	eP	P	03 51 13.0 +0.7
KHMM	Horse Mountain	29.86	325	eP	P	03 51 13.1 +0.9
O56A	Blue Knob Stat	29.89	37	eP	P	03 51 11.8 -0.5
YBH	Yreka Blue Hor	29.93	327	eP	P	03 51 11.9 -0.8
YBH	Yreka Blue Hor	29.93	327	eP	P	03 51 26.9 +0.5
YBH	Yreka Blue Hor	29.93	327	eP	P	03 51 12.2 -0.5
YBH	Yreka Blue Hor	29.93	327	eP	P	03 51 26.9 +0.5
YBH	Yreka Blue Hor	29.93	327	eP	P	03 51 26.9 +0.5
MDND	Maddock	29.98	3	eP	P	03 51 12.1 -0.9
MDND	Maddock	29.98	3	eP	P	03 51 12.1 -0.9
BMO	Blue Mountains	30.01	337	eP	P	03 54 15.3 +0.2
BMO	Blue Mountains	30.01	337	eP	P	03 51 13.3 -0.1
BMO	Blue Mountains	30.01	337	eP	P	03 54 15.3
HRY	Holler Resear	30.04	346	eP	P	03 51 14.2 +0.6
L04D	Klamath Falls	30.08	328	eP	P	03 51 14.9 +0.9
FLOC	Flores	30.12	120	eP	P	03 51 14.7 +0.1
FLOC	Flores	30.12	120	eP	P	03 51 14.7 +0.1
CHIC	Chingaza	30.20	112	eP	P	03 51 17.2 +1.5
CHIC	Chingaza	30.20	112	eP	P	03 51 17.2 +1.5
RUSC	La Rusia	30.21	110	eP	P	03 51 17.2 +1.3
I07A	Izee	30.23	334	eP	P	03 51 16.0 +0.6
J05D	Fort Rock, OR	30.37	331	P	P	03 51 17.1 +0.5
KRMB	Red Mountain	30.41	326	eP	P	03 51 18.0 +1.1
SSPA	Standing Stone	30.52	37	eP	P	03 51 17.4 -0.4
PINE	Pine Mountain	30.63	332	eP	P	03 51 20.0 +1.0
PINE	Pine Mountain	30.63	332	eP	P	03 54 18.5 +1.7
DGMT	Dagmar	30.64	357	eP	P	03 51 18.5 -0.3
DGMT	Dagmar	30.64	357	eP	P	03 51 18.6 -0.3
MSO	Missoula	30.68	343	eP	P	03 51 19.6 +0.3
MSO	Missoula	30.68	343	eP	P	

Table with columns: YKA, Yellowknife Ar, 45.55 352 P, 03 53 22.5 -1.4, etc. Includes various station identifiers and coordinates.

Table with columns: LCO, Las Campanas, 55.28 147 eP, 03 54 40.1 +1.8, etc. Includes various station identifiers and coordinates.

Table with columns: SUMG, SUMG, 65.19 117 eP, 03 55 46.8 +0.4, etc. Includes various station identifiers and coordinates.



Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MA2 Magadan, PAB San Pablo, ESDC Sonseca Array, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FUORN Ofenpass-Fuorn, BRG Berggiesshubel, BRG Berggiesshubel, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like JAVC Sopron, SOD Sopron, MODS Modra-Piesok, etc.





Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like KMRS Kahramanmaras, KAMA Osmaniye, GZT Gaziantep, etc.

NEIC 12 04:53:46.8, 0.0, 28.34N-51.42E, h33km, mb4.4/23, ML4.3(THR), MN4.2(TEH), After THR.

THR 12 04:53:46.8, 28.34N-51.42E, h33km, ML4.3, TEH 12 04:53:48.3, 28.49N-51.59E, h20km, ML4.3

MOS 12 04:53:49.3, 0.0, 28.44N-51.57E, h40km, mb4.6/21, Error ellipse: s-maj=8.7km s-min=5.1km az=93.6

ISCJB 12 04:53:49.1, 0.0, 28.45N-0.02, 51.60E, 0.03, h36km, 3km, mb4.4/66, MS3.6/2, Error ellipse: s-maj=4.8km s-min=3.4km az=43.9

IDC 12 04:53:50.3, 0.0, 28.43N-51.64E, h32km, 22km, mb4.1/25, mb1.4, 1/31, mb1mx4, 1/45, mbtmp4, 2/31, ML4.0/7, Error ellipse: s-maj=14.8km s-min=11.3km az=168.0

DSN 12 04:53:54.3, 0.0, 27.35N-52.17E, h10km, ML3.8/9, Error ellipse: s-maj=17.9km s-min=6.1km az=46.0

ISC 12 04:53:51.3, 0.0, 28.38N-0.05, 51.56E, 0.04, h42km, gkm, n211, c1952/233, mb4.4/66, 8C-3D, Southern Iran

Main station list table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Lists numerous stations including GHIR Ghir-Karzin, SHI Shiraz, JHRM Jahrom, etc.

Main station list table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Lists numerous stations including IALA Alasht, IPRN Peran, QALM Alamut, Qazvin, WSAR Wadi Sarin, etc.

Main station list table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Lists numerous stations including ARU Arti, ARU Arak, ARU Arak, ARU Arak, ARU Arak, etc.

ASAR comp=Z,261nm,1.1s 94.63 114 P 05 07 07.8 -0.3
Alice Springs
AS01 Alice Springs 94.67 114 eP P 05 07 07.3 -0.9

NEIC 12 04:58:01.3:0.0, 17:80N:101:62W, h27km, MD4.0(MEX), after MEX

MEX 12 04:58:01.2:0.6, 17:81N:101:62W, h28km, gkm, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like ZIHG Zihuatanejo, ARIG Puente Sto Nin, CAIG El Cayaco, etc.

CNRM 12 04:58:18.3, 36:74N:8:28W, h30km
ISCJB 12 04:58:18.1:0.6, 37:00N:0:04:8:08W:0:04, h31km, 3km,
Error ellipse: s-maj=6.3km s-min=4.8km az=11.3

IGIL 12 04:58:20.9, 37:10N:8:11W, h18km, ML2.6
MDD 12 04:58:20.8:0.5, 37:12N:8:12W, h21km, 1km, mbLg2.5/20,
Error ellipse: s-maj=4.8km s-min=2.7km az=178.0,
PRXIMO

INMG 12 04:58:21.1:1.8, 37:12N:8:12W, h18km, 3km, ML2.4, Error
ellipse: s-maj=3.7km s-min=2.5km az=172.0

SFS 12 04:58:21.0, 37:18N:8:14W, h21km, ML2.7, LOUL
(PORTUGAL)

ISC 12 04:58:18.2:1.1, 36:99N:0:03:8:10W:0:02, h27km, gkm,
n59, <220/105, 3C, <3D West of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like PBDV Barranco-do-Ve, PVAQ Vaqueiros, MORF Marmelete, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like PBEJ Beja, PNCL Nicolau / Gran, EMIN Mina Concepcio, etc.

PMTG Montargil 2.08 357 Pn Pn 04 58 45.4 -5.9
PMTG 04 58 50.3 -1.0
PMTG 04 59 09.4 -6.8

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

PTOM Tomar 2.63 355 eSg A 04 59 37.8 +1.2

PCBR Castelo Branco 2.89 10 ePn Pn 04 59 40.0 +0.6

EADA Adamuz 3.04 66 Pn Pn 04 59 06.0 +1.5

EADA Adamuz 3.04 66 Pn Pn 04 59 13.6 +2.0

EADA Adamuz 3.04 66 Pn Pn 04 59 39.9 -0.1

PCAS Casimio, Conde 3.07 354 Sg Lg 04 59 40.5 -0.3

PCAS Casimio, Conde 3.07 354 Sg Lg 04 59 53.9 +0.6

PCAS Casimio, Conde 3.07 354 Sg Lg 04 59 40.5 -0.3

MTE Manteigas 3.43 7 eSg S 04 59 47.5 -2.3

MTE Manteigas 3.43 7 eSg S 04 59 03.9 +4.3

MTE Manteigas 3.43 7 eSg S 05 00 08.4

MTE Manteigas 3.43 7 Sg S 04 59 47.5 -2.3

PVBS Viseu 3.72 2 Sg S 04 59 30.0 -2.1

PVBS Viseu 3.72 2 Sg S 05 00 14.4 +6.4

PVBS Viseu 3.72 2 Sg S 05 00 15.4

PVBS Viseu 3.72 2 Sg S 04 59 54.8 -2.1

PVBS Viseu 3.72 2 Sg S 04 59 17.3 +0.9

PAB Pabla 3.90 48 Sg S 04 59 59.6 -1.8

PAB Pabla 3.90 48 Sg S 05 00 17.5

EQES Quesada 4.09 77 Pn Pn 04 59 20.8 +1.8

EQES Quesada 4.09 77 Pn Pn 05 00 06.0 0.0

ESDC Sonseca Arriba 4.21 49 Pn Pn 04 59 21.2 +0.5

ESDC Sonseca Arriba 4.21 49 Pn Pn 05 00 03.0 -6.0

MVO Moncorvo 4.25 11 eSg A 05 09 29.5 -2.8

MVO Moncorvo 4.25 11 eSg A 05 00 06.1 -3.9

MVO Moncorvo 4.25 11 eSg A 05 00 32.3

POLO Lamas de Oio 4.38 3 eSg S 05 00 11.1 -2.2

MD31 MD31 4.95 145 P S 04 59 30.0 -2.6

MD31 MD31 4.95 145 P S 05 00 24.2 -3.0

MDT Midelt 5.06 144 P Pn 04 59 31.6 -0.8

MDT Midelt 5.06 144 P Pn 05 00 26.0 -4.0

MDT Midelt 5.06 144 P Pn 05 00 26.0 -4.0

Code Station Name Az AzZ Phase ID Time Res ISC h m s Res ISC

URZ Urewera 8.44 190 Pn Pn 05 01 18.9 -0.1

URZ Urewera 8.44 190 Pn Pn 05 02 38.8 -1.6

STKA Stephens Creek 32.08 257 P P 05 05 43.9 -0.3

ASAR Alice Springs 40.56 268 P P 05 06 57.0 +0.1

WRA Warramunga Arr 41.51 273 P P 05 07 04.5 -0.2

Code Station Name Az AzZ Phase ID Time Res ISC h m s Res ISC

MCJ Malvern 3.43 104 iP S 05 06 17.9 +1.1

CVJ Coleville 3.50 98 iP S 05 06 20.2 -0.8

STH Stony Hill 4.21 99 iP S 05 05 51.5 +1.1

HOJ Hope 4.28 100 iP S 05 06 29.4 -8.9

JTS JunjasAbangare 9.19 204 Pn Pn 05 05 51.4 +0.1

CMIG Matias Romero 13.15 265 LR LR 05 13 34.7

SDV Santo Domingo 15.19 132 Pn Pn 05 08 07.3 0.0

SDV Santo Domingo 15.19 132 Pn Pn 05 14 31.7

ROSC El Rosal 15.18 153 LR LR 05 15 12.2

TKL Tuckaleeches C 16.98 353 Pn Pn 05 08 42.9 -0.5

TXAR Lajas Array 23.02 301 P P 05 09 49.8 -1.0

NVAR Mina Array Bea 37.69 309 LR LR 05 28 35.4
SIV San Ignacio 39.82 149 LR LR 05 30 28.2

DLBC Dease Lake 53.13 330 LR LR 05 37 57.5
ILAR Eielson Array 62.86 334 P P 05 15 11.0 +0.3
NOA NORSPAR Array B 74.92 30 LR LR 05 46 58.4

ARCES ARCES Array B 78.24 20 P P 05 16 45.4 +1.0
WRA Warramunga Arr 146.50 262 PKPbc PKPbc 05 24 26.9 -0.1

ASAR Alice Springs 146.92 255 PKPbc PKPbc 05 24 28.5 +0.1

IDC 12 05:11:28.7:0.8, 28:36N:51:67E, h0km, mb4.1/20, mb1 4:2/27, mb1mx4.1/48, mbtmp4.1/27, ML3.8/7, MS3.6/4, Ms1 3:6/4, ms1mx2.9/38, Error ellipse: s-maj=19.2kkm s-min=13.3kkm az=178.0

THR 12 05:11:29.8:0.0, 28:35N:51:40E, h33km, ISCJB 12 05:11:30.8:0.2, 28:38N:0:02:51:61E:0:03, h24km, mb4.2/44, MS3.9/4, Error ellipse: s-maj=4.0kkm s-min=2.3kkm az=140.8

NEIC 12 05:11:31.0:0.5, 28:36N:51:68E, h10km, mb4.3/22, ML4.1(THR), MN4.1(TEH), Error ellipse: s-maj=9.0kkm s-min=5.7kkm az=178.0

TEH 12 05:11:31.3:28.48N:51:60E, h20km, ML4.1, OMAN 12 05:11:35.4:0.2, 28:36N:51:90E, h15km, ml4.5/8, Error ellipse: s-maj=13.5kkm s-min=5.8kkm az=31.0

DSN 12 05:11:36.9:0.2, 28:24N:51:97E, h10km, ML4.2/10, Error ellipse: s-maj=13.4kkm s-min=6.3kkm az=19.0

ISC 12 05:11:33.1:0.4, 28:43N:0:05:51:65E:0:04, h24km, n176, i1527/192, mb4.4/44, MS3.9/4, Southern Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like GHIR Ghir-Karzin, GHIR Ghir-Karzin, GHIR Ghir-Karzin, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like ASUD Al Ashush, Dub, ASUD Al Ashush, Dub, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like MSFE Esma-Masafi, MSFE Esma-Masafi, MSFE Esma-Masafi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like FAO Al Faqa, Dubai, FAO Al Faqa, Dubai, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, Res ISC. Includes stations like FAO Al Faqa, Dubai, FAO Al Faqa, Dubai, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IRAZ Razeghan, IDMV Damavand, IANJ Anjilo, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Array B, ARCA ARCES Array S, etc.

NIED 12 05:24:00.46; 20N:151.80E; h113km; Mw4.6 Best double couple: M=8.60000; N=1.015; NP1=228.00000; 851.00000; -39.00000; NP2=345.00000; 861.00000; -133.00000; BUI 12 05:24:48.7; 47.33N; 151.73E; h157km; mb4.9/59; mb4.8/39; SKHL 12 05:24:49.1; 0.6, 47.24N; 151.57E; h126km; 5km; mb5.5/3; msh5.3/5; ISCJB 12 05:24:51.3; 0.3, 47.29N; 0.02; 151.41E; 0.02; h159km; 2km; mb4.6/393; Error ellipse: s-maj=4.1km s-min=2.1km az=156.4; IDC 12 05:24:52.0; 0.5, 47.34N; 151.32E; h150km; 4km; mb4.4/31; mb1.4/37; mb1mx4.4/42; mbmp4.8/37; MS3.5/6; Ms1.3/5/6; ms1mx3.0/47; Error ellipse: s-maj=9.8km s-min=7.1km az=141.0; MOS 12 05:24:52.2; 1.0, 47.31N; 151.34E; h167km; mb4.8/68; Error ellipse: s-maj=5.8km s-min=4.3km az=87.4; NEIC 12 05:24:53.2; 1.4, 47.37N; 151.33E; h159km; 8km; mb4.7/330; Error ellipse: s-maj=13.9km s-min=10.8km az=147.0; JMA 12 05:24:54.8; 0.5, 46.16N; 151.80E; h187km; M4.4; GCMT 12 05:24:54.2; 0.5, 47.29N; 0.04; 151.70E; 0.05; h154km; 5km; MW4.8/65; Moment Tensor Solution. s14,c14; s65,c92; Duration: 0 Moment tensor: Scale 1016Nm; Mn-1.31E-13; Mw-0.75E-16; Mm2.06E-16; M-1.01E-10; Mw0.73E-15; Mw-1.03E-11; Best double couple: M2.38000; -1.016; NP1=34.00000; 869.00000; -1.60.00000; NP2=162.00000; 837.00000; -1.142.00000; Principal axes: T 2.6410, P1g18.0000; Azm108.0000; N -0.5220, P1g28.0000; Azm208.0000; P -2.1190, P1g56.0000; Azm349.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function; ISC 12 05:24:51.9; 0.4, 47.25N; 0.04; 151.46E; 0.03; h153km; 3km; h153km; p-P, n1098, c1111/1189, mb4.7/393, 40C-19D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other technical details. Includes stations like KUR Kuril'sk, KUR 39nm, 0.5s, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YUK, LAGR Lagunnoye, GRPR Tuman, etc.



Table with columns: Station, Frequency, Mode, Power, and various performance metrics. Includes stations like Nikolayevsk, Kayabe, Shimay, Yakumo 2, etc.

Table with columns: Station, Frequency, Mode, Power, and various performance metrics. Includes stations like Red Dog Mine, WAKE ISLAND Hy 31.27 151, WAKE ISLAND Hy 31.28 151, etc.

Table with columns: Station, Frequency, Mode, Power, and various performance metrics. Includes stations like Cordova Ski Ar, HAARP, Indepen'de' Rid, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like KHU Kahuku, CHMT Chiang Mai, CHTO Chiang Mai, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like LON Longmire, DAG Danmarks Havn, KEV Kevo, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like HRY Holter Researc, EGMT Eagleton, VCNR Virginia City, etc.

Table with columns: DUG, DUG, DUG, FURC, BW06, BW06, PD31, PDAR, PDAR, GEYT, TCUT, LRMC, CTU, EDW2, PSUT, NLU, VSR, MPU, GSC, BFSC, SHPR, TCRU, TUQ, CCUT, MSU, MSU, MSU, HEC, TMUT, SZCU, ULM, ULM, P17A, MURC, Q16A, MTPU, K22A, K22A, LCMT, GMRC, NC405, ANGG, NC204, SRU, LDFC, NB201, RSSD, RSSD, RWWY, NB2, NB200, NOA, KNB, KNB, KNB, BELC, O20A, O20A, IRM, BC3, U15A, AGM, PDMCI, Y12C, N23A, N23A, WRAB, WRAB, WB2, WR1, WR1, WR1, WRA, WRA, WRA, WC3, WC3, GLA, GLA, FITZ, SMCO, WUAZ, WUAZ, Y14A, ISCO, ISCO, KIV, KIV

Table with columns: KIV, SUSD, KBZ, MVCO, MVCO, SHA1, ZEI, X16A, S22A, S22A, Q24A, AKASG, AKBG, KIEV, KIEV, KIEV, AK11, OGNE, OGNE, IVI, X18A, 214A, SDCO, SDCO, GNI, ECSD, ECSD, E38A, E38A, PALK, PALK, PALK, PALK, F38A, SPMN, T25A, T25A, E39A, BGNE, F39A, AS01, AS01, ASAR, ASAR, E40A, D41A, G38A, LAZ, TASM, TASM, ANMO, ANMO, ANMO, ANMO, BNM, G40A, E42A, F41A, SCHO, SCHO, 319A, CBKs, 121A, H41A, J39A, H40A, I41A, G43A, OJC, OJC, OJC, SCIA, SCIA, K39A, D46A, BUR08, BURAR, BURAR, D47A, J41A, K40A, BIZ, SHME, L39A, I42A, KSU1, NIE, NIE

Table with columns: TESR, DIKM, TLCR, TLCR, TRPA, J42A, K41A, L40A, MDH, M39A, OKC, OKC, MSFE, AMTX, AMTX, LSQQ, MSTX, MSTX, LANS, LANS, CFR, CFR, DPC, DPC, VRI, VRI, JLN, J43A, CHGO, UMQ, MORC, MORC, MORC, MORC, K42A, MNTX, MNTX, L41A, E48A, CLL, CLL, CLL, M40A, OZUR, HATD, HATD, HATD, BRG, BRG, BRG, BRG, GDL2, ASH1, ASH1, ASHO, NAZ, TIRR, TIRR, SOHO, H46A, VLDQ, N40A, L42A, MLR, MLR, MLR, FAQ, FAQ, FAQ, M41A, D51A, VYHS, VYHS, VYHS, F49A, VRAC, JAVC, GOPC, GOPC, PRU, PRU, PRU, I46A, ASUD, ASUD, VOIR, VOIR, N41A, N41A, ALNE, KRUC, E51A, D52A, AJN, ARR, J46A, N42A, MODS, MODS, MODS, O41A, WMOK, WMOK, J47A

P41A	Barry, Barry	77.12	45	P	P	05	36	28.3	0.0
M44A	Midewin, Midew	77.17	42	eP	P	05	36	28.9	+0.3
MHTO	MHTO	77.18	287	P	P	05	36	29.6	+0.7
F52A	Sundridge	77.19	34	P	P	05	36	27.7	-0.9
BR10I	Keeskin Array S	77.24	316	eP	P	05	36	28.9	-0.2
BRTR	Keeskin Array B	77.24	316	P	P	05	36	28.9	-0.2
HDIL	Hopedale	77.26	43	eP	P	05	36	28.9	-0.1
HDIL	Hopedale	77.26	43	eP	P	05	36	28.7	-0.3
KHC	Kasperske Hory	77.29	333	eP	P	05	36	29.9	+0.8
KHC	Kasperske Hory	77.29	333	eP	P	05	36	29.2	+0.1
KHC	Kasperske Hory	77.29	333	eP	P	05	36	29.2	+0.1
KHC	Kasperske Hory	77.29	333	eP	P	05	36	29.2	+0.1
ARMA	Armidale	77.31	180	eP	P	05	36	31.3	+2.0
GZR	Gura Zlata	77.32	326	↑P	P	05	36	28.8	-0.6
GZR	Gura Zlata	77.32	326	↑P	P	05	36	28.8	-0.6
E54A	Lac Daplat, P	77.44	32	P	P	05	36	28.7	-1.3
L46A	Eue Claire	77.45	40	P	P	05	36	29.4	-0.7
BMRO	Merville Lake	77.46	36	P	P	05	36	29.8	-0.3
K47A	Vermontville	77.48	39	P	P	05	36	30.0	-0.2
GE2C	GERESS Array S	77.50	333	eP	P	05	36	29.8	-0.5
GERES	GERESS Array B	77.50	333	P	P	05	36	30.3	-0.1
GEAO	GERESS Array S	77.53	333	eP	P	05	36	29.6	-0.8
P42A	Winchester	77.53	44	P	P	05	36	30.5	-0.1
P42A	Winchester	77.53	44	P	P	05	36	30.1	-0.4
BZS	Buzias	77.58	327	↑P	P	05	36	30.3	-0.4
BZS	Buzias	77.58	327	↑P	P	05	36	30.3	-0.4
N44A	Piper City	77.61	42	P	P	05	36	30.5	-0.5
Q41A	Truxton	77.61	45	P	P	05	36	30.9	-0.1
CONA	Conrad Observa	77.62	331	eP	P	05	36	31.2	+0.2
TUL1	Leonard	77.67	50	eP	P	05	36	31.7	+0.3
TUL1	Leonard	77.67	50	P	P	05	36	31.2	-0.2
K48A	Perry	77.75	38	P	P	05	36	31.5	-0.3
P43A	Skaggs, Pawnee	77.88	44	P	P	05	36	31.7	-0.8
L47A	Sherwood	77.96	40	P	P	05	36	32.0	-0.9
O44A	Mansfield	77.96	43	P	P	05	36	31.2	-1.7
Q42A	Golden Eagle	77.97	45	P	P	05	36	32.7	-0.3
LP1G	La Paz	77.99	68	LR	P	06	04	41.9	
K49A	Clarkson	78.05	38	P	P	05	36	33.1	-0.2
R41A	Rosebud	78.05	46	P	P	05	36	33.2	-0.2
PEMO	Pembroke	78.06	33	P	P	05	36	32.5	-0.9
MEM	Membach	78.07	338	↑P	P	05	36	33.4	0.0
ABTX	Abilene, Hawle	78.08	55	P	P	05	36	33.9	+0.1
ABTX	Abilene, Hawle	78.08	55	P	P	05	36	33.7	0.0
DSB	Dublin	78.11	347	eP	P	05	36	33.6	+0.1
SADO	Sadowa	78.12	34	eP	P	05	36	33.2	-0.5
LATQ	La Tuque	78.15	29	P	P	05	36	33.4	-0.4
MORH	Mrgy, Hungar	78.15	329	eP	P	05	36	29.1	-4.8
MOA	Molin	78.20	332	iP	P	05	36	34.8	+0.6
DOM	DOM	78.21	286	P	P	05	36	35.0	+0.4
TX31	Lajitas Ar. Si	78.22	60	eP	P	05	36	35.1	+0.4
LTX	Lajitas	78.22	60	eP	P	05	36	35.4	+0.7
TXAR	Lajitas Array	78.22	60	eP	P	05	36	35.4	+0.7
TXAR	Lajitas Array	78.22	60	eP	P	05	36	35.4	+0.7
O45A	Potomac	78.23	42	P	P	05	37	10.8	-0.9
M47A	Cromwell	78.28	40	P	P	05	36	33.4	-1.2
CCM	Cathedral Cave	78.30	46	eP	P	05	36	34.6	-0.3
CCM	Cathedral Cave	78.30	46	eP	P	05	36	34.4	-0.4
L48A	N Adams	78.32	39	P	P	05	36	33.8	-1.0
ARSA	Arzberg	78.32	331	P	P	05	36	35.2	+0.3
HHAR	Hobbs	78.34	49	eP	P	05	36	34.8	-0.3
R42A	Luebbering	78.34	45	P	P	05	36	35.1	0.0
Q43A	New Douglas	78.35	44	P	P	05	36	35.1	0.0
SFIN	Lafayette	78.41	42	eP	P	05	36	35.4	0.0
SFIN	Lafayette	78.41	42	eP	P	05	36	34.8	-0.6
BCLA	Clavier	78.42	339	↑P	P	05	36	34.5	-0.8
S41A	Jilco Farms,	78.42	46	P	P	05	36	34.9	-0.7
P44A	Sand Creek, WI	78.44	43	P	P	05	36	34.6	-0.9
M48A	Edgerton	78.57	40	P	P	05	36	35.6	-0.7
MZR	Muzera	78.62	291	iP	P	05	36	37.3	+0.5
MZR	Muzera	78.62	291	P	P	05	36	37.0	+0.2
N47A	Urbana	78.63	41	P	P	05	36	35.5	-1.1
PLVO	Plevna	78.67	33	eP	P	05	36	36.8	0.0
Q44A	Meyer Farm, Va	78.70	44	eP	P	05	36	36.8	-0.2
Q44A	Meyer Farm, Va	78.70	44	eP	P	05	36	36.6	-0.5
FVM	French Village	78.76	45	eP	P	05	36	37.4	0.0
HP1G	HP1G	78.80	63	eP	P	05	36	38.1	+0.1
P45A	Graceland, Par	78.80	43	eP	P	05	36	37.5	0.0
P45A	Graceland, Par	78.80	43	P	P	05	36	36.7	-0.8
U40A	Yellville	78.83	48	P	P	05	36	37.3	-0.5
O47A	Sheridan	78.94	41	P	P	05	36	38.2	-0.2
N48A	Decatur	78.94	40	P	P	05	36	37.5	-0.8
ALFO	Alfred	78.96	31	P	P	05	36	37.2	-1.1
P46A	Rosedale	78.97	42	P	P	05	36	38.0	-0.5
SOKA	Soboth	78.98	331	eP	P	05	36	38.0	-0.6
Q45A	Warren Harvey,	79.11	43	P	P	05	36	38.1	-1.1
KBA	Koelnbreinsper	79.18	332	eP	P	05	36	40.2	+0.5
R44A	Waltoville	79.19	44	P	P	05	36	38.8	-0.9
S43A	Fulton Ridge,	79.25	45	P	P	05	36	38.9	-1.1
W39A	Magazina	79.26	49	eP	P	05	36	40.1	0.0
W39A	Magazina	79.26	49	P	P	05	36	39.6	-0.5

N49A	Columbus Grove	79.26	40	eP	P	05	36	40.4	+0.4
N49A	Columbus Grove	79.26	40	P	P	05	36	39.1	-0.9
STKA	Stevens Creek	79.26	189	P	P	05	36	40.7	+0.8
STKA	Stevens Creek	79.26	189	eP	P	05	36	41.2	+1.3
OLIK	Olney	79.27	43	eP	P	05	36	40.1	0.0
OBKA	Obir	79.29	331	eP	P	05	36	40.8	+0.6
U41A	Viola	79.31	47	P	P	05	36	39.9	-0.5
O48A	Farmland	79.38	41	P	P	05	36	40.3	-0.4
VTS	Vitoshia	79.47	324	eP	P	05	36	41.0	-0.3
VTS	Vitoshia	79.47	324	↑P	P	05	36	41.5	+0.2
VTS	Vitoshia	79.47	324	↑P	P	05	36	41.5	+0.2
MYKA	Terra Mystica	79.48	332	eP	P	05	36	39.8	-1.5
WATA	Waldemar	79.50	334	iP	P	05	36	42.0	+0.6
P47A	Martinsville	79.50	42	P	P	05	36	41.1	-0.3
T43A	Greenville	79.54	46	P	P	05	36	41.5	-0.1
BFO	Black Forest	79.54	336	iP	P	05	36	42.4	+0.9
WTTA	Wattenberg	79.54	333	iP	P	05	36	42.4	+0.7
S44A	Carbondale	79.55	45	P	P	05	36	41.6	0.0
JCT	Junction City	79.56	56	eP	P	05	36	42.1	0.0
JCT	Junction City	79.56	56	P	P	05	36	42.3	+0.2
RETA	Reutte	79.60	334	iP	P	05	36	41.8	-0.1
MOTA	Moosalm	79.63	334	eP	P	05	36	41.4	-0.7
BLO	Bloomington	79.64	42	eP	P	05	36	42.3	+0.1
PBMO	Poplar Bluff	79.71	46	eP	P	05	36	42.5	0.0
SQTA	Sankt Quirin	79.71	334	eP	P	05	36	42.7	+0.2
ABTA	Abfaltersbach	79.73	333	iP	P	05	36	42.6	0.0
ALN	Alexandroupoli	79.73	321	eP	P	05	36	43.1	+0.6
ALN	Alexandroupoli	79.73	321	P	P	05	36	45.1	+2.5
WHXT	Lake Whitney,	79.77	54	eP	P	05	36	43.4	+0.5
WHXT	Lake Whitney,	79.77	54	P	P	05	36	42.4	-0.5
M51A	Elyria	79.78	38	P	P	05	36	42.2	-0.6
O49A	Covington	79.80	40	eP	P	05	36	42.8	-0.1
O49A	Covington	79.80	40	P	P	05	36	42.3	-0.7
N50A	Nevada	79.83	39	P	P	05	36	41.5	-1.6
MIAR	Mout Ida	79.87	49	eP	P	05	36	43.6	+0.2
MIAR	Mout Ida	79.87	49	P	P	05	36	43.6	+0.2
Q47A	Bedford North L	79.88	42	P	P	05	36	42.6	-0.8
S45A	Carrier Mills	79.89	44	P	P	05	36	43.0	-0.4
P48A	Milroy	79.91	41	P	P	05	36	42.8	-0.8
LONY	Lake Ozonia	79.94	31	eP	P	05	36	42.5	-1.2
M52A	Chesterland	79.95	37	eP	P	05	36	44.3	+0.6
WHAR	Woolly Hollow	79.95	48	eP	P	05	36	43.4	-0.4
R46A	Gibson Southern	79.96	43	eP	P	05	36	43.0	-0.8
FETA	Feichten	80.03	334	eP	P	05	36	44.5	+0.2
N51A	Ashland	80.04	38	eP	P	05	36	44.7	+0.5
N51A	Ashland	80.04	38	P	P	05	36	43.6	-0.6
DAVA	Damuels	80.05	335	eP	P	05	36	44.2	-0.2
L53A	Girard	80.05	36	P	P	05	36	44.2	-0.1
W41B	Gary Mavity, V	80.06	48	eP	P	05	36	44.8	+0.4
W41B	Gary Mavity, V	80.06	48	P	P	05	36	44.2	-0.2
PARMO	Parma	80.13	46	eP	P	05	36	45.1	+0.3
MOQ	Mont Orford	80.14	30	eP	P	05	36	44.4	-0.4
O50A	Cable	80.14	40	P	P	05	36	44.1	-0.7
P49A	Miami Univ. Ec	80.16	41	P	P	05	36	44.0	-0.9
Q48A	North Vernon	80.20	42	P	P	05	36	45.1	0.0
K55A	Perry	80.27	35	P	P	05	36	44.3	-1.2
PQI	Presque Isle	80.29	26	eP	P	05	36	45.5	0.0
S46A	Don Dixon Farm	80.29	44	P	P	05	36	45.2	-0.4
X40A	Basin Creek Fa	80.30	49	eP	P	05	36	45.9	+0.1
M53A	WI Miller and	80.31	37	P	P	05	36	45.5	-0.3
BATG	Bathurst New B	80.32	25	eP	P	05	36	46.2	+0.6
MMNV	Mt. Morris Dam	80.33	35	eP	P	05	36	45.5	-0.2
ACSO	Alum Creek Sta	80.35	39	eP	P	05	36	46.1	+0.2
ACSO	Alum Creek Sta	80.35	39	P	P	05	36	45.1	-0.8
R47A	W								

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Table with columns: ID, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Rows include stations like U50A Pikeville, R55A Marlinton, X48A Hartselle, etc.

Table with columns: ID, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Rows include stations like ES06 SONSECA Array, ES0C Sonseca Array, TOA1 Torodi Ar. Sft, etc.

NEIC 12 05:45:30.1±0.0, 17:79N×101°63W, h38km, MD4.0(MEX), Affix: MEX

MEX 12 05:00:0.7, 17.778N×101°63W, h36km, 6km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Rows include ZIIG Zihuatajejo, ZIIG Zihuatajejo, ARIG Puente Sto Nin, etc.

IDC 12 05:48:46.9, 1.2, 28:46N×51°76E, h0km, mb3.8/10, mb1 3.8/12, mb1mx3.7/41, mbtmp3.8/12, ML3.5/2, MS3.4/1, etc.

ISCJBJ 12 05:48:48.0, 2.4, 28:35N×0°02:51:56E, 0°04, h24km, mb3.6/12, MS3.2/1, Error ellipse: s-maj=5.6km

TEH 12 05:48:49.7, 28:46N×51°61E, h6km, ML3.7, THR 12 05:48:49.4, 28:54N×51°64E, h14km, ML3.6

OMAN 12 05:48:50.7, 0.7, 28:32N×51°73E, h9km, m3.8/8, Error ellipse: s-maj=12.8km s-min=7.3km az=309.0

DSN 12 05:48:52.9, 1.2, 28:29N×51°89E, h10km, ML3.5/9, Error ellipse: s-maj=24.0km s-min=9.9km az=28.0

ISC 12 05:48:50.4, 0.6, 28:42N×0°06:51:52E, 0°06, h24km, n77, mb3.6/12, mb3.6/12, 1D, Southern Iran

Table with columns: Code, Station Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Rows include GHIR Ghir-Karzin, GHIR Ghir-Karzin, GHIR Ghir-Karzin, etc.

Table with columns: ID, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Rows include MSFE Esma-Masafi, MSFE Esma-Masafi, FAQ Al Faqa, Dubai, FAQ Al Faqa, Dubai, etc.

ATH 12 06:04:52.9, 36°39N-28°98E, h38km, 4km, ML2.7/2, Error ellipse: s-maj=4.8km s-min=1.3km az=131.0

DDA 12 06:04:52.6, 36°46N-28°00E, h32km, 2km, ML3.1, ISK 12 06:04:52.9, 36°40N-28°30E, h19km, ML2.8/15

ISCJBJ 12 06:04:54.0, 0.4, 36°42N×0°03:28:96E, 0°03, h27km, 3km, Error ellipse: s-maj=5.1km s-min=3.6km az=21.0

THE 12 06:04:53.9, 36°40N-28°95E, h13km, 1km, ML2.8/3, Error ellipse: s-maj=1.5km s-min=0.6km az=91.0

ISC 12 06:04:53.4±1.0, 36°40N×0°03:28:96E±0.02, h22km, 8km, n41, c098/65, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Rows include Code Station Name, FETY Fethiye, FETY Fethiye, FETY Fethiye, etc.





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Table with columns for station code, name, coordinates, and status. Includes stations like MTTG, NOV, AIO, GRI, PLAC, MPAZ, MUCR, MCPD, CAR1, CET2.

Table with columns for SERS, name, coordinates, and status. Includes stations like SERS, CELI, LADO, PIPA, PETRA, HAGA, HLNI, CUC, T0721, MCRV, ACER, MFNL, LTRZ.

Table with columns for station code, name, coordinates, and status. Includes stations like CUC, SALB, SSI, MEU, SIRI, SCHR, RAFF, HAVL, HMDC, CRAC, CLTA, PZUN, MIGL, CRJA, MCRV, ACER, MFNL, LTRZ.

Table with columns: LTRZ, comp=N,455µm,1.6s, AML, AML, 06 40 19.8 -0.1, etc. Includes stations like Matera, Sgoligore (BA), Altamura, etc.

IDC 12 06:45:37.6±2.8, 4.00S:152.12E, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.4/48, mbtmp3.8/3, Error ellipse: s-maj=107.5km s-min=39.9km az=124.0, New Ireland region

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

NIED 12 06:51:00.38, 38.10N:141.80E, h44km, Mw3.8 Best double couple: Mo5.71000x10^14 NP1.3e+193.00000, delta.200000, lambda.133.00000, NP2.3e+207.00000, delta.200000, lambda.72.00000

ISCJB 12 06:51:10.2±0.8, 38.04N:141.97E:0.07, h48km, 7km, mb3.8/5, Error ellipse: s-maj=10.1km s-min=4.6km az=20.7

JMA 12 06:51:11.6±0.1, 38.05N:141.85E, h46km±1km, M4.0 JMA Feit J1 IDC 12 06:51:12.6±2.3, 38.06N:142.01E, h59km±20km, mb3.5/5, mb1 3.7/10, mb1mx3.4/61, mbtmp3.8/10, ML3.0/4, MS2.8/3, Ms1 2.8/3, ms1mx2.4/45, Error ellipse: s-maj=24.2km s-min=11.8km az=108.0

ISC 12 06:51:10.0±1.9, 38.04N:141.96E:0.09, h28km±12km, n31, alpha38/41, mb3.8/5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, JIKH Ishinomakikobu, JIO Ouri, JKMT Kesenumamotoy, etc.

ASAR Alice Springs 61.84 188 P 07 01 26.1 -0.5 0.5mm, 0.6s, baz=12, slow=5.8, SNR=7.8 FINES Fines Array B 68.13 332 P 07 02 06.3 -0.7 0.7mm, 0.6s, baz=76, slow=7.8, SNR=3.2

IDC 12 06:57:20.2±0.4, 21.161S:176.35W, h0km, mb4.9/29, mb1 5.0/29, mb1mx4.9/40, mbtmp4.9/29, MS4.0/9, Ms1 4.0/9, ms1mx3.8/121, Error ellipse: s-maj=14.6km s-min=1.29km az=137.0 MOS 12 06:57:24.8±1.2, 21.167S:176.36W, h37km, mb5.4/41, Error ellipse: s-maj=10.9km s-min=8.9km az=59.2 ISCJB 12 06:57:26.8±3.2, 21.81S:0.05:176.36W:0.04, h54km±27km, mb5.2/222, MS4.1/4, Error ellipse: s-maj=8.7km s-min=6.7km az=167.5 GCMT 12 06:57:26.1±0.4, 22.39S:0.03:175.66W:0.04, h109km±4km, MW5.0/67, Moment Tensor Solution, s14 c15: s67, e91; Duration: 0 Moment tensor: Scale 1016Nm; Mw=2.6±.21; Mwo=0.4±.29; Mww=2.1±.23; Mw3.14±.17; Mwo0.19±.24; Mw0.76±.16; Best double couple: Ks.74800x10^16 NP1.3e+208.00000, delta.200000, lambda.73.00000, NP2.3e+10.00000, delta.200000, lambda.135.00000, Principal axes: T 2.8760, Plg26.0000, Azm314.0000; N 1.7430, Plg17.0000, Azm53.0000; P -4.6200, Plg58.0000, Azm171.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function NEIC 12 06:57:29.1±2.2, 21.81S:176.42W, h63km±20km, mb5.2/191 Error ellipse: s-maj=8.2km s-min=5.3km az=149.0

ISC 12 06:57:27.4±1.6, 21.81S:176.17E:13W:0.06, h51km±13km, n676, alpha38/59, mb5.2/222, MS4.4/14, 49C-9D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, NIUE Niue, RAO Rapa Nui, DZM Dzumac, etc.

Table with columns: WRA comp=Z,23nm,1.2s, baz=99, slow=6.4, SNR=17, etc. Includes stations like WRA, GENI, KDU, FORST, WRKA, FITZ, SBA, VANDA, SOEI, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like GLA Glamis, MLAC Mammoth, TIN Tinemaha, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like KNB Kanab, I07A Izoce, U15A North Rim, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like SNA4 Sanae, TCUT Tooto Canyon, VNA3 Neumayer Olymp, etc.



TOAD TOAD Torodi Ar. Bea 171.12 166 PKPab PKPab 07 18 50.0 -0.2

IDC 12 06:59:08.0, 24.0, 15.475, 175.49W, h0km, mb4.4/4, mb1 4.6/4, mb1mx3.8/4.1, mbtmp4.4/4, Error ellipse: s-maj=463.9km s-min=50.1km az=56.0, Tonga Islands

ISC/JB 12 07:11:09.9, 0.3, 43.18N, 0.01, 18.71E, 0.02, h10km, Error ellipse: s-maj=2.5km s-min=1.9km az=2.3

Code Station Name Az Phase ID Time Res ISC UPM Unac-Piva 0.15 75 Op Pp 07 11 39.0 +1.0

ASRS 12 07:11:12.7, 53.81N, 90.85E, M3.7, industrial explosion (after The Earthquakes of Russia in 2012. Obninsk, GRS GAS, 224p + CD-ROM, 2014), Southwestern Siberia

IDC 12 07:20:18.6, 1.1, 28.28N, 51.54E, h0km, mb3.8/9, mb1 3.9/11, mb1mx3.6/4.8, mbtmp3.8/11, ML3.2, MS3.4/1, Ms1 3.4/1, ms1mx2.2/4.9, Error ellipse: s-maj=25.0km s-min=21.1km az=143.0

ISC/JB 12 07:20:20.9, 0.5, 28.32N, 0.03, 51.55E, 0.05, h24km, mb3.9/10, MS3.3/1, Error ellipse: s-maj=7.0km s-min=3.0km az=154.1

THR 12 07:20:21.9, 28.45N, 51.53E, h27km, ML3.6 TEH 12 07:20:23.4, 28.50N, 51.64E, h10km, ML3.6 DSN 12 07:20:26.7, 1.2, 28.18N, 51.87E, h10km, ML3.5/9, Error ellipse: s-maj=22.8km s-min=9.1km az=25.0

OMAN 12 07:20:27.6, 0.5, 28.45N, 52.20E, h15km, Error ellipse: s-maj=34.1km s-min=7.7km az=42.0

ISC 12 07:20:22.5, 0.7, 28.38N, 0.06, 51.57E, 0.06, h24km, n65, s126/79, mb3.8/10, Southern Iran

Code Station Name Az Phase ID Time Res ISC GHIR Ghir-Karzin 1.25 94 Op Pn 07 20 45.6 +1.0

SHI comp=2.15um,0.5s 1.77 85 ePn Pp 07 20 53.9 -0.5

JHRM Jahrom 1.95 41 ePn Pn 07 20 55.5 +1.1

IRAM Ramesheh 3.49 11 ePn Pn 07 21 16.1 +0.6

ISAD Sadrabad 3.97 27 ePn Pn 07 21 23.3 +1.1

IMEH Mehruz 4.00 41 ePn Pn 07 21 24.1 +1.5

IGAR Garneher 4.03 6 ePn Pn 07 21 23.2 +0.2

IZEF Zefreh 4.55 8 ePn Pn 07 21 30.9 +0.8

ICHK Chekchek 4.57 32 ePn Pn 07 21 31.0 +0.7

SHME Shamm 4.68 119 iP Pn 07 21 32.0 +0.2

SHME Shamm 4.68 119 ePn Pn 07 21 32.4 +0.6

SHME Shamm 4.69 73 ePn Pn 07 21 32.7 +0.6

SHME Shamm 4.72 64 ePn Pn 07 21 32.7 +0.4

SHME Shamm 4.73 99 ePn Pn 07 21 32.7 +0.4

SHME Shamm 4.77 32 ePn Pn 07 21 34.0 +0.9

SHME Shamm 4.77 32 ePn Pn 07 21 34.0 +0.9

SHME Shamm 4.81 69 ePn Pn 07 21 35.1 +1.4

SHME Shamm 4.92 0 ePn Pn 07 21 36.1 +0.8

SHME Shamm 4.98 132 iP Pn 07 21 37.1 +1.9

SHME Shamm 4.98 132 S Pn 07 21 37.8 +2.0

SHME Shamm 5.03 137 P Pn 07 21 38.7 +2.2

SHME Shamm 5.03 137 P Pn 07 21 39.2 +2.7

SHME Shamm 5.08 125 iP S Pn 07 22 35.2 +1.3

SHME Shamm 5.08 125 iP S Pn 07 21 38.1 +0.9

SHME Shamm 5.08 125 ePn Pn 07 21 39.8 +0.7

SHME Shamm 5.10 134 P Pn 07 21 39.2 +1.6

SHME Shamm 5.10 134 P Pn 07 21 39.2 +1.6

SHME Shamm 5.22 125 iP Pn 07 21 39.7 +0.7

SHME Shamm 5.22 125 P Pn 07 21 39.8 +0.7

SHME Shamm 5.22 125 P Pn 07 21 39.8 +0.7

SHME Shamm 5.43 130 iP Pn 07 21 42.6 +1.0

SHME Shamm 5.40 130 P Pn 07 21 43.0 +1.3

MK32 Makanchi Array 43.24 349 eP P 07 35 46.3 -0.1

MKAR Makanchi Array 43.24 349 P P 07 35 46.3 -0.1

NWAO Narrogin (SRO) 43.63 150 eP P 07 35 48.9 -0.8

H01W3 Cape Leeuwin H 43.82 155 T T 08 22 41.5

H01W2 Cape Leeuwin H 43.83 155 T T 08 22 41.5

H01W1 Cape Leeuwin H 43.84 155 T T 08 22 58.7

SONAO Songino Array 44.75 13 eP P 07 35 58.8 +0.1

SONM Songino Array 44.75 13 P P 07 35 58.8 +0.1

GEYT Alibek 46.14 321 P P 07 36 10.9 +1.1

WRA Warramunga Arr 47.21 122 P P 07 36 19.0 +0.6

WR1 Warramunga Arr 47.21 122 eP P 07 36 19.0 +0.6

WB2 Warramunga Arr 47.22 122 eP P 07 36 18.7 +0.3

KURBB Kurchatov Arra 47.65 347 P P 07 36 21.4 +0.1

ASAR Alice Springs 48.60 127 P P 07 36 29.5 +0.4

ZALV Zalesovo Beam 49.84 354 P P 07 36 38.1 +0.1

ZALV Zalesovo Beam 49.84 354 P P 07 36 38.1 +0.1

ZALV Zalesovo Beam 49.85 354 eP P 07 36 37.7 -0.3

ZAA1 Zalesovo Array 49.85 354 eP P 07 36 38.1 +0.1

KRNET 12 07:30:27.4, 0.1, 41.43N, 70.89E, mb2.4 SOME 12 07:30:28.6, 4.1, 33N, 71.05E, h0km

NINC 12 07:30:31.9, 0.9, 41.22N, 0.06, 70.84E, 0.05, h33km, Error ellipse: s-maj=8.8km s-min=6.6km az=23.9

ISC 12 07:30:28.7, 1.4, 41.36N, 0.04, 70.88E, 0.04, h2km, i2km, n15, -0.95/28, 4C-13D, Kyrgystan

Code Station Name Az Phase ID Time Res ISC IUG luzhnay 1.02 321 P Op Pn 07 30 49.6 -0.4

IUG luzhnay 1.02 321 eP Pn 07 31 05.6 +0.7

IUG luzhnay 1.02 321 eP Pn 07 30 49.4 -0.6

IUG luzhnay 1.02 321 eS Pn 07 31 04.7 -0.2

BTK Batken 1.30 182j P Pp 07 30 53.7 +0.2

BTK Batken 1.30 182j P Pp 07 31 12.7 +0.9

ARSB Arslanbob 1.58 90j P Pn 07 30 57.4 -0.4

ARSB Arslanbob 1.58 90j P Pn 07 31 18.9 0.0

KK31 Karatay Array 1.77 351 P Pp 07 31 02.7 +0.1

KK31 Karatay Array 1.77 351 P Pp 07 31 26.1 +0.7

Code Station Name Az Phase ID Time Res ISC IUG luzhnay 1.02 321 P Op Pn 07 30 49.6 -0.4





Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Sadao Pong, SRDT, CHAI, Shilling, Port Blair, Kunming, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SONM Sogingo Array, SONM, ULN, ULN, DGZ, KK31, KK31, KKAR, TLY, KRSR, KAPI, KAPI, KURK, KURK, OTUK, OTUK, CN2, ZAAO, ZAAO, ZALV, ZALV, ZAA1, ZAA1, GYAOB, GYAOB, BVAR, BVAR, BRVK, BRVK, USRK, USRK, MAJO, MAJO, MJAR, MJAR, ABKAR, ABKAR, KLR, KLR, AKTO, AKTO, ARU, ARU, ARU, ARU, ZEI, ZEI, KBZ, KBZ, NEY, NEY, NRK, NRK, KIV, KIV, KIV, KIV, MORW, MORW, WR1, WR1, WR1, WR1, WRA, WRA, WRAB, WRAB, WRB, WRB, PRGR, PRGR, TIXI, TIXI, ASAR, ASAR, BR101, BR101, BRTR, BRTR, AS01, AS01, OBN, OBN, KLMR, KLMR, KLMR, KLMR, PETK, PETK, AKASO, AKASO, AKBB, AKBB, AKBB, AKBB, KIEV, KIEV, KIEV, KIEV, AK11, AK11, TIRR, TIRR, TIRR, TIRR, VRI, VRI, VRI, VRI, PLO, PLO, PLO, PLO, BIZ, BIZ, MLR, MLR.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like MLR, MLR, MLR, ALN, ALN, BURAR, BURAR, BURAR, FIA1, FIA1, FIAO, FIAO, FINESS, FINESS, SUW, SUW, SUW, VTS, VTS, VTS, KWP, KWP, BILL, BILL, LIT, LIT, LIT, ARCES, ARCES, VAF, VAF, VAF, ITM, ITM, FNA, FNA, FNA, STKA, STKA, CONA, CONA, ARSA, ARSA, SOKA, SOKA, BRG, BRG, BRG, BRG, OBKA, OBKA, MOA, MOA, NC405, NC405, GEC2, GEC2, GEC2, GEC2, GEA0, GEA0, NC602, NC602, KHC, KHC, KHC, NC303, NC303, NB201, NB201, NB2, NB2, NOA, NOA, CLL, CLL, CLL, NAO01, NAO01, NC204, NC204, WTTA, WTTA, MOTA, MOTA, RETA, RETA, DAVA, DAVA, GAMB, GAMB, LSZ, LSZ, LSZ, SENIN, SENIN, BNI, BNI, BNI, BNI, ESK, ESK, ESK, IM3, IM3, TOLK, TOLK, MLY, MLY, CAST, CAST, BPAW, BPAW, PPLA, PPLA, BOSA, BOSA, BOSA, MDM, MDM, FYU, FYU, WRH, WRH, CCB, CCB, SUMG, SUMG, SUMG, IL1, IL1, ILAR, ILAR, ILB, ILB, PRP, PRP, HDA, HDA, PMR, PMR, PMR, PMR, OHAK, OHAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sonseca Array, SCRR Sand Creek, TORO Torodi Ar. Bea, etc.

HEL 12 08:59:22.5:0.0, 67.82N-20.20E, h0km, ML1.6, ML1.7(UPP), Explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUA Kurravaara, RATU Laukkuluspa, NIKU Nikkaloetka, etc.

ISC/JB 12 09:00:54.2:0.4, 67.68N-0.03:26.87E:0.06, h0km, Error ellipse: s-maj=3.7km s-min=3.5km az=158.4

HEL 12 09:00:54.5:0.1, 67.73N-26.92E, h0km, ML1.9, ML1.9(UPP), Explosion

BER 12 09:00:55.0:2.1, 67.57N-27.21E, h0km, ML1.7, Suspected explosion

KOLA 12 09:00:56.8, 67.93N-26.98E, h0km

UPP 12 09:00:56.1:1.2, 67.66N-26.67E, h0km, ML1.9, Suspected explosion

ISC 12 09:00:54.6:0.8, 67.73N-0.03:26.82E:0.03, h0km, n40, #410753, Finland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SGF Sodankyl, VRF Vario, RNF Rovaniemi, etc.

Table with columns: LOF, MORB, KONS, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Lotofen, Moi Ranea, Konvik.

NNC 12 09:00:54.1:4.1, 53.51N-87.56E, h0km, mb3.6, mpv3.3, 6C-4D, Error ellipse: s-maj=35.2km s-min=17.0km az=51.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array, ZAAO 1.1nm,0.3s, KURK Kurchatov, etc.

NAO 12 09:00:59.6:1.8, 64.79N-30.31E, ML2.4, Finland-Karelia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIAO FINESS Array S, FIAO baz=28,slow=14, FIAO baz=33,slow=28, etc.

ISC/JB 12 09:14:19.3:0.3, 30.93S-0.03:178.86W:0.09, h100km, mb4.4/13, Error ellipse: s-maj=10.9km s-min=3.1km az=48.3

ISC 12 09:14:20.9:1.4, 30.81S:178.41W, h128km, 1.1km, mb4.3/3, mb1.4/3.5, mb1mx3.7/38, mbmtmp.6/5, Error ellipse: s-maj=31.4km s-min=15.4km az=122.0

NEIC 12 09:14:20.2:1.4, 31.00S:178.46W, h124km, 44km, mb4.5/17, Error ellipse: s-maj=93.1km s-min=15.7km az=94.0

ISC 12 09:14:19.5:0.6, 30.91S:0.06:178.77W:0.1, h100km, n76, #159495, mb4.5/13, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLKZ Green Lake, RAO Raoul Island, RAO Raoul Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ODZ Otahua Downs, WKZ Wanaka, MLZ Mavora Lakes, etc.

ISC/JB 12 09:18:59.7:0.5, 21.98S:0.05:68.78W:0.05, h135km, 5km, mb3.4/3, Error ellipse: s-maj=8.6km s-min=8.2km az=27.9

ISC 12 09:18:60.0:0.7, 22.03S:68.45W, h120km, 10km, mb3.3/4, mb1.3/4.7, mb1mx3.3/34, mbmtmp.3/7.7, Error ellipse: s-maj=21.8km s-min=21.0km az=54.0

SJA 12 09:19:00.5:0.4, 21.96S:68.73W, h122km, 4km, ML2.5

GUC 12 09:19:01.0:1.1, 21.94S:68.72W, h123km, 9km, ML2.3

ISC 12 09:19:00.4:0.8, 21.87S:65.05:68.67W:0.05, h122km, 8km, mb3.0, #1893/31, mb3.5/3, 4C-2D, Chile-Bolivia border region

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

ISC 12 09:24:23.0:1.9, 28.00N:51.20E, h0km, mb3.7/5, mb1.3/7.7, mb1mx3.5/47, mbmtmp.3/6.7, MS3.1/2, MS3.2/2, ms1mx2.4/48, Error ellipse: s-maj=50.8km s-min=25.5km az=47.0

ISC/JB 12 09:24:26.2:0.5, 28.32N:0.03:51.53E:0.05, h24km, mb3.6/5, MS3.1/2, Error ellipse: s-maj=7.4km s-min=2.8km az=152.5

THR 12 09:24:28.2, 28.61N:51.65E, h18km, ML3.7

TEH 12 09:24:28.2, 28.46N:51.62E, h5km, ML3.4

OMAN 12 09:24:31.2:0.7, 27.98N:51.55E, h13km, ml3.7/8, Error ellipse: s-maj=29.2km s-min=9.5km az=33.0

DSN 12 09:24:31.2:0.8, 28.30N:51.93E, h10km, ML3.5/9, Error ellipse: s-maj=16.8km s-min=7.0km az=28.0

ISC 12 09:24:28.3:0.8, 28.34N:0.06:51.57E:0.07, h24km, n65, #1837/77, mb3.7/5, Southern Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GHIR Ghr-Karzin, GHIR Ghr-Karzin, GHIR Ghr-Karzin, etc.













Table of astronomical observations for stations 711-870. Columns include station name, coordinates, time, and observation details.

Table of astronomical observations for stations 875-975. Columns include station name, coordinates, time, and observation details.

Table of astronomical observations for stations 980-1180. Columns include station name, coordinates, time, and observation details.

Table of astronomical observations for stations 1185-1385. Columns include station name, coordinates, time, and observation details.

Table of astronomical observations for stations 1390-1590. Columns include station name, coordinates, time, and observation details.

Table of astronomical observations for stations 1595-1795. Columns include station name, coordinates, time, and observation details.













12d 14h

2013 APR

Table with columns: Station ID, Name, Frequency, Power, SNR, and other metrics. Includes stations like ELK, YHR, MJDAR, etc.

Table with columns: Station ID, Name, Frequency, Power, SNR, and other metrics. Includes stations like MJDAR, MAJO, MAJO, etc.

Table with columns: Station ID, Name, Frequency, Power, SNR, and other metrics. Includes stations like W39A, FVM, FVM, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like ARCES ARCESS Array B, LRAL Lakeview, NJ2 Nanjing, Y50A Piedmont, U53A Fall Branch, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like JAY Jayapura, PPT Papeete, PPT2 Papeete2, LPSR Galich y Gora, KJAR Karatay Array, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like MLR Muntele Rosu, MLR Muntele Rosu, SRKAK Srakaw, ZEI Tsey, VOIR Gura Zlata, etc.

NEIC 12 14:52:00.3z:0.0, 17:80N\*101:60W, h36km, MD4.0(MEX), After MEX

MEX 12 14:52:00.3z:0.0, 17:80N\*101:60W, h36km, 7km, MD4.0, Near coast of Guerrero

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

ISCJB 12 14:56:54.0z:0.0, 39:84N\*0:05:33.09E:0.04, h0km, Error ellipse: s-maj=7.2km s-min=3.9km az=15.6

ISK 12 14:56:53.6, 39:86N\*33:05E, h4km, ML1.8/9, Suspected Mining explosion.

DDA 12 14:56:54.6, 39:92N\*33:13E, h7km, 2km, ML2.7

ISC 12 14:56:54.4z:0.0, 39:85N\*0:04:33.07E:0.03, h0km, n18, 0:05622, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANTO Ankara, ANTO Ankara, LOD Lodumlu, etc.





12d 16h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VVDA, KAPI, GIRL, CASY, MJAR, MAJO, MAT, MJB, KKM, ATKA, SBUM, NIKH, ASAJ, SKR, UNV, KSM, QSPA, YSS, PEAOB, PETK, KSRK, KSAR, TYV, SCZ2, USRK, SAO, SAO, PKM, SMMC, CIS, FMP, KMRM, OSI, DECC, ARVC, 109C, MWC, MWC, NJ2, YES, OHAK, O02D, BFSC, MURC, MDJ, MDJ, EDW2, ISA, ISA, CMB, CMB, MONP2, IKP, N02D, PFO, PFO, KDAK, KDAK, KDAK, M02C, O03E, L02E, LRMC, SWSC, MYKOM, RRX, MDPB, YBH, YBH, YBH, K02D.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CWC, GRNR, J01E, MLAC, NKL, SLBS, BELC, WAKR, MPMC, TIN, GSC, HUMO, BEKR, HEC, PNTR, L04D, M04C, GLA, YERR, I02D, I03D, GRAC, GMRG, FURC, RYN, IRM, PAHR, NV01, NVAR, SHOC, TUQ, NV11, CN2, CN2, CN2, K04D, KLR, KLR, Y12C, J04D, I04A, KVN, KVN, MOD, 214A, WHN, WHN, NEE2, H04D, K05A, PDMC, G03D, J05D, BRLL, H04A, RSO, SVW2, PINE, MA2, MA2, I05D, F04D, BMN, BMN, R11A, NLWA, G05D, WVOR, E04D, F05D, D03D, TUC, TUC, TUC, I07A, SUA, LON, LON, D05A, LCMT, X16A.

720

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like EYAK, CCUT, KNK, PMR, PMR, KNB, PSUT, HMT, SZCU, ANM, ANM, ELK, ELK, A04D, B05A, SML, SML, G08A, WUAZ, WUAZ, DIV, PPLA, LTY, E07A, PKCU, SCM, SCM, HAWA, KLU, C06D, B06A, BJI, BJI, X18A, E08A, MTPU, SEY, TRCU, BMO, BMO, MSU, ENH, MAW, D08A, TRF, W18A, W18A, E09A, DUG, HARP, RND, RND, RND, 121A, F10A, BPAW, LLLB, B08A, N01A, Q16A, GYA, GYA, GYA, GYA, SKAG, ZAIG, C09A, BWN, HLD, TMUT, MPU, ZEA, ZEA, TIV, TIV, TIV, TIV, HUU, HUU, HUU, MENT, CTU, SRU.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UPC Ujice, DOPR Dopca, MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PDG Podgorica, LIT Litolihoron, TRM Trebinje, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MJAR Matushiro Arr, H1N2 WAKE ISLAND HY 26.22 108, etc.





Table with columns: ASUD, MSFE, FAQ, MDH, HATD, ASHO, ASHO, ASHO, SOHO, SOHO, SOHO, HOQ, HOQ, HOQ, TKDS, SMDO, WSAI, MHTO, BRTR, ZALV, FINES, HFS, NOA, WRA, ASAR. Includes station names, coordinates, and various parameters.

ISCJB 12 19:13:25.6; 1.2, 4.8S; 0.2; 153.5E; 0.2, h100km, mb3.5/6, Error ellipse: s-maj=35.2km s-min=13.6km az=43.5

ISC 12 19:13:27.4; 1.7, 4.77S; 153.52E; h104km, 55km, mb3.4/6, m1 3.5/7, mb1mx3.3/3.7, mbtmp3.6/7, Error ellipse: s-maj=53.2km s-min=26.7km az=82.0

ISC 12 19:13:27.1; 1.3, 4.85S; 0.2; 153.5E; 0.2, h100km, n8, az=1507/10, mb3.6/6, New Ireland region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PMG, PMG, WRA, ASAR, ASAR, FITZ, VANDA, MKAR, ZALV, TORO.

ISK 12 19:14:16.3; 38.85N; 43.55E; h4km, ML2.2/11 DDA 12 19:14:16.3; 38.85N; 43.55E; h5km, 5km, ML2.8

ISC 12 19:14:17.6; 0.5, 38.84N; 0.03; 43.57E; 0.05, h11km, 4km, Error ellipse: s-maj=7.9km s-min=4.1km az=31.4

ISC 12 19:14:17.2; 1.0, 38.84N; 0.03; 43.5E; 0.04, h11km, 8km, n18, az=072/26, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like VMUR, VMUR, VMUR, YVAN, YVAN, YVAN, CLDR, CLDR, CLDR, CLDR, ADCV, ADCV, ADCV, AKDM, AKDM, DYDN, DYDN, DYDN, TUTA, TUTA, TUTA, MLAZ, BLIS, BLIS, GURO, TABS, TABS, SIRT, SIRT, GNI, VRTB, SVAN.

ISC 12 19:37:27.8; 1.7, 28.44N; 43.71W, h0km, mb3.6/9, m1 3.9/9, mb1mx3.6/5, mbtmp3.6/9, MS3.7/7, Ms1 3.3/7, s-min=22.5km az=9.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SJG, MDP, SCHO, DBIC, ULM, TORO, H10N2, H10N3, H10N1, H10S1, H10S3, H10S2.

Table with columns: TXAR, TXAR, PDAR, YKA, AKASE, NVAR, NVAR, ILAR, TXIXI. Includes station names, coordinates, and various parameters.

ISC 12 19:45:45.8; 2.1, 37.94N; 142.70E, h0km, mb3.4/1, m1 3.4/4, mb1mx3.1/55, mbtmp3.3/4, ML2.5/3, MS2.5/3, Ms1 2.5/3, ms1mx2.2/35, Error ellipse: s-maj=39.1km s-min=29.3km az=89.0

ISCJB 12 19:45:50.6; 1.1, 38.21N; 0.05; 142.14E; 0.0, h30km, mb3.5/1, MS3.1/1, Error ellipse: s-maj=9.6km s-min=6.7km az=21.0

JMA 12 19:45:52.0; 2.0, 1.38; 19N; 141.99E; h44km, 1km, M3.2, ISC 12 19:45:49.7; 1.4, 38.08N; 0.06; 142.06E; 0.03, h30km, n22, az=113/19, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like JIKH, JIKH, JIO, JIO, JKMT, JKMT, JMM, OFJU, JMK, JMK, JOU, JFK, JFT, MJAR, MJAR, MJAR, MJAR, KSR, KSR, H1N2, H1N1, H1N2, H1S1, H1S3, H1S2, WRA, AKTO.

ISCJB 12 19:45:53.4; 1.9, 24.5N; 0.2; 109.0W; 0.1, h16km, mb3.5/2, MS3.3/3, Error ellipse: s-maj=30.2km s-min=9.1km az=147.8

ISC 12 19:45:54.5; 2.0, 24.78N; 109.16W, h0km, mb3.5/2, m1 4.0/6, mb1mx3.7/51, mbtmp3.6/6, ML3.6/4, MS3.4/9, Ms1 3.4/9, ms1mx3.2/24, Error ellipse: s-maj=41.1km s-min=10.9km az=136.0

ISC 12 19:45:54.7; 2.4, 24.5N; 0.2; 109.1W; 0.2, h16km, n13, az=124/9, MS3.4/5, Gulf of California

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LPIG, LPIG, TXAR, TXAR, ANMO, ANMO, CMIG, NVAR, ELK, ELK, PDAR, PDAR, PDAR, YBH, TKL, NEW, BBB, YKA, ILAR, ILAR.

ISC 12 20:00:47.2; 2.1, 11.61S; 165.00E, h0km, mb3.9/6, m1 4.1/7, mb1mx3.8/38, mbtmp3.8/7, ML3.7/1, MS3.3/2, Ms1 3.2/2, ms1mx3.0/31, Error ellipse: s-maj=43.8km s-min=22.8km az=141.0

ISCJB 12 20:00:50.3; 0.8, 11.92S; 0.07; 165.0E; 0.1, h33km, s-min=6.7km az=153.9, Error ellipse: s-maj=16.8km

NEIC 12 20:00:52.2; 1.5, 11.79S; 165.05E; h36km, 10km, mb4.5/2, Error ellipse: s-maj=3.1km s-min=27.2km az=200.0

ISC 12 20:00:52.1; 0.9, 11.81S; 0.09; 165.0E; 0.1, h35km, n23, az=072/17, mb4.0/7, Santa Cruz Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like HNR, DZM, DZM, DZM, DZM, PMG, STKA, H1S2, H1S3.

Table with columns: H1S1, WB2, WB2, WR1, WRA, H1N1, H1N3, H1N2, ASAR, FITZ, FITZ, ILAR, NVAR, MK32, MKAR, ESDC. Includes station names, coordinates, and various parameters.

DDA 12 20:01:21.7; 39.12N; 29.10E, h7km, 3km, ML1.5, ISK 12 20:01:21.8; 39.13N; 29.09E, h10km, ML2.8/11

ISCJB 12 20:01:22.0; 4.0, 39.12N; 0.03; 29.08E; 0.04, h11km, 3km, Error ellipse: s-maj=5.3km s-min=5.0km az=33.9

ISC 12 20:01:22.2; 0.9, 39.13N; 0.04; 29.08E; 0.03, h10km, 6km, n18, az=08/25, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SMAA, SMAA, SMAA, SHAP, SHAP, GDZ, GDZ, USAK, USAK, KHAL, KHAL, KHAL, BALB, CALV, MDNY, KCTX, BORA, ADVT, GONE, ARMT, SRMK, AYDB.

NIED 12 20:30:34.40N; 134.80E, h11km, Mw5.8 Best double couple: Ms5.47000; 1017 NP1; 333.00000; 827.00000; 1.66.00000; NP2; 179.00000; 865.00000; 1.102.00000

ISC 12 20:33:15.5; 0.3, 34.44N; 134.82E, h4km, mb5.2/29, m1 5.4/34, mb1mx5.3/36, mbtmp5.3/34, ML4.4/4, MS5.5/36, Ms1 5.5/36, ms1mx5.4/47, Error ellipse: s-maj=11.2km s-min=9.1km az=89.0

MOS 12 20:33:15.9; 0.9, 34.43N; 134.85E, h14km, mb5.9/136, MS5.6/105, Error ellipse: s-maj=4.9km s-min=3.2km az=108.7

NEIC 12 20:33:16.0; 0.3, 34.31N; 135.07E, h13km, Moment Tensor solution: s11 Moment tensor: Scale 1017Nm; Mr5.66; Ms5.06; Mw5.00; Ms5.04; Ms5.75; Mr3.55; Best double couple: Ms6.50000; 1017 NP1; 351.00000; 862.00000; 1.90.00000; NP2; 350.00000; 828.00000; 1.89.00000; Principal axes: T 6.7500, Plg73.0000; Azm822.0000; N -0.5400, Plg0.0000; Azm350.0000; P -6.2100, Plg16.0000; Azm260.0000;

Bull 12 20:33:16.2; 34.40N; 134.85E, h10km, mb5.3/86, mb5.9/76, Ms6.1/95, Ms7.6/186

ISCJB 12 20:33:16.2; 34.40N; 134.85E; 0.01; h21km, 1km, Ms6.6/598, MS5.6/578, Error ellipse: s-maj=1.9km s-min=1.4km az=161.3

NEIC 12 20:33:17.5; 1.6, 34.37N; 134.83E, h14km, mb5.7/495, MS5.8, MS5.5/559, MW5.8, MW5.7, MW5.7, Moment Tensor solution: s-maj=11.8km s-min=10.2km az=164.0, Moment Tensor solution: s11 Moment tensor: Scale 1017Nm; Mr3.01; Ms0.62; Ms0.64; Ms0.36; Ms0.82; Mr2.27; Best double couple: Ms4.20000; 1017 NP1; 348.00000; 828.00000; 1.88.00000; NP2; 171.00000; 862.00000; 1.91.00000; Principal axes: T 7.3200, Plg73.0000; Azm833.0000; N 0.7800, Plg0.0000; Azm350.0000; P -4.9000, Plg17.0000; Azm260.0000; Moment Tensor solution: s85 Moment tensor: Scale 1017 Nm; Mr3.77; Ms0.103; Ms0.480; Ms0.24; Ms0.556; Mr2.33; Best double couple: Ms5.00000; 1017 NP1; 351.00000; 862.00000; 1.90.00000; NP2; 350.00000; 831.00000; 1.91.00000; Principal axes: T 4.3600, Plg76.0000; Azm833.0000; N 1.0800, Plg0.0000; Azm174.0000; P -5.4400, Plg14.0000; Azm265.0000; Broadband fault plane solution: P waves: NP1; 345.00000; 825.00000; 1.90.00000; NP2; 165.00000; 865.00000; 1.90.00000; Principal axes: T 16.7000, Plg70.0000; Azm724.3000; Azm0.0000; P 2.0000, Plg0.0000; Azm0.0000; Depth from synthetic of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC [V] at Kobe; [IV] at Nishinomiyu, Okayama and Osaka; [III] at Hiroshima, Iwakuni and Nagoya. Felt throughout Shikoku and Awaji-shima. Felt widely in southern and western Honshu and northeastern Kyushu. Recorded [6L JMA] in Hyogo.

JMA 12 20:33:17.7; 34.42N; 134.83E, h15km, 1km, M6.3 Broadband fault plane solution: P waves: NP1: 181.00000; 865.00000; 1.98.00000; NP2: 342.00000; 827.00000; 1.73.00000; Principal axes: T 16.690000; Azm108.0000; N 1.98.00000; Azm358.0000; P 1.919.00000; Azm265.0000;

GCMT 12 20:33:20.5; 0.1, 34.43N; 0.01; 134.69E; 0.01, h18km, MW5.9/132, Moment Tensor solution: s119c245; s132c407; Duration: 2s1 Moment tensor: Scale 1018 Nm; Mr0.57; 0.1; Ms0.02; 0.0; Ms0.059; 0.1; Ms0.04; 0.1; Ms0.12; 0.0; Mr0.58; 0.1; Best double couple: Ms0.83200; 1018 NP1; 350.00000; 834.00000; 1.98.00000; NP2; 339.00000; 824.00000; 1.70.00000; Principal axes: T 0.8220, Plg66.0000; Azm105.0000; N 0.0200, Plg8.0000; Azm357.0000; 1.0; -0.8410, Plg23.0000; Azm260.0000; nst21 refers to body waves, cutoff=40s. nst22 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

NEIC 12 20:33:40.2; 0.4, 34.55N; 134.57E, h10km, Moment Tensor solution: s46 Moment tensor: Scale 1017Nm; Mr4.84; Ms0.45; Ms0.439; Ms0.23; Ms0.90; Mr1.74; Best double couple: Ms5.50000; 1017 NP1; 351.00000; 862.00000; 1.72.00000; NP2; 352.00000; 834.00000; 1.81.00000; Principal axes: T 5.8000, Plg159.0000; Azm222.0000; N -0.7800, Plg15.0000; Azm159.0000; P -5.1100, Plg13.0000; Azm252.0000;

ISC 12 20:33:17.9; 0.4, 34.40N; 0.02; 134.87E; 0.02, h16km, 2km, h17km; PP-P, n2126, n1340/2143, mb5.7/608, MS5.5/591,







Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like SP5I Sidrap Palu, NVS Novosibirsk, NVS Sidrap Palu, etc.

Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like KPKS comp=Z,326nm,4.4s, TDK TDK, TDK TDK, etc.

Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like WBSI Waikabubak, TKM2 Tokmak 2, GRJ Gresik, etc.







Table with columns for call sign, frequency, mode, and other details. Includes entries like CFR Caraliu, YAYX Yaylak, TESR Tescani, etc.

Table with columns for call sign, frequency, mode, and other details. Includes entries like OJC, SULR, LAUD, LADIK-KONYA, etc.

Table with columns for call sign, frequency, mode, and other details. Includes entries like PSZ, Piszkesteto, GEDZ, Gediz, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like H17A, TIN, LIA, SGR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like R11A, PAIG, PAIG, etc.



12d 20h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SANT, DRME, ESK, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like IGT, LBWR, BFO, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like GLA, MCH1, DSB, etc.

735

SDCO	Great Sand Dun	88.93	44	eP	P	20 46 11.0	-1.1
SDCO	Great Sand Dun			LR	LR		
SDCO	Touls Ste Croi	88.93	44	P	P	20 46 13.1	+1.0
TCF	Touls Ste Croi	89.04	329	eP	Pmax	20 46 11.5	-0.6
C40A	Isle Royale Na	89.08	28	eP	P	20 46 12.2	+0.1
C40A	Isle Royale Na			LR	LR		
C40A	Isle Royale Na	89.08	28	P	P	20 46 12.6	+0.4
E38A	The Farm, Brul	89.18	30	eP	P	20 46 12.9	+0.1
E38A	The Farm, Brul			LR	LR		
E38A	The Farm, Brul	89.18	30	P	P	20 46 13.0	+0.3
SCHO	Schefferville	89.19	12	LR	LR	21 27 53.3	
SCHO	Schefferville			P	P	20 46 12.2	-0.4
SCHO	Schefferville			LR	LR		
ECSD	EROS Data Cent	89.19	35	eP	P	20 46 12.9	+0.1
ECSD	EROS Data Cent			LR	LR		
ECSD	EROS Data Cent	89.19	35	P	P	20 46 13.3	+0.4
TUC	Tucson	89.40	50	eP	P	20 46 14.5	+0.3
TUC	Tucson			LR	LR		
TUC	Tucson	89.40	50	eP	P	20 46 14.5	+0.3
TUC	Tucson			Pmax	Pmax		
TUC	Tucson			MLR	MLR		
TUC	Tucson	89.40	50	P	P	20 46 14.9	+0.8
F37A	Hinrichs Farm,	89.43	31	P	P	20 46 14.3	+0.4
F38A	Pierce - Schro	89.56	31	P	P	20 46 15.0	+0.5
KSCO	Kaye Shedlock	89.63	41	eP	P	20 46 14.9	-0.3
KSCO	Kaye Shedlock			LR	LR		
KSCO	Kaye Shedlock	89.63	41	P	P	20 46 15.5	+0.3
SPMN	Marine on St.	89.75	31	eP	P	20 46 15.3	-0.2
SPMN	Marine on St.			LR	LR		
SPMN	Marine on St.	89.75	31	P	P	20 46 15.6	+0.2
E39A	Mellen	89.77	30	P	P	20 46 15.9	+0.4
T25A	Trinidad	89.97	43	eP	P	20 46 17.3	+0.4
T25A	Trinidad			LR	LR		
T25A	Trinidad	89.97	43	P	P	20 46 17.9	+1.0
E40A	Wakefield	89.98	29	P	P	20 46 17.7	+1.2
F39A	Loretta	89.99	30	P	P	20 46 17.2	+0.6
D41A	Chassel	90.00	28	PFAKE	LR	20 46 30.0	+13
D41A	Chassel			LR	LR		
D41A	Chassel	90.00	28	P	P	20 46 17.3	+0.7
FURI	Furi	90.09	281	PFAKE	LR	20 46 30.0	+12
FURI	Furi			LR	LR		
CLTB	Calabellotta	90.18	317	PFAKE	LR	20 46 30.0	+12
CLTB	Calabellotta			LR	LR		
CAF	Calviac	90.19	329	eP	Pmax	20 46 17.5	0.0
CAF	Calviac			Pmax	Pmax		
G38A	Ridgeland	90.20	31	P	P	20 46 17.8	+0.3
BGNE	Belgrade	90.21	37	eP	P	20 46 17.7	0.0
BGNE	Belgrade			LR	LR		
BGNE	Belgrade	90.21	37	P	P	20 46 17.8	+0.2
LAZ	Ladron	90.27	47	eP	P	20 46 19.8	+1.5
TASM	ASL Pad, Albuq	90.30	46	P	P	20 46 19.7	+1.3
TASM	ASL Pad, Albuq			P	P	20 46 19.6	+1.1
ANMO	Albuquerque	90.30	46	LR	LR	21 23 41.2	
ANMO	Albuquerque			P	P	20 46 19.2	+0.7
ANMO	Albuquerque	90.30	46	eP	P	20 46 19.2	+0.7
ANMO	Albuquerque			LR	LR		
ANMO	Albuquerque	90.30	46	eP	P	20 46 19.7	+1.2
ANMO	Albuquerque			Pmax	Pmax		
ANMO	Albuquerque	90.30	46	P	P	20 46 20.0	+1.5
F40A	Park Falls	90.32	30	P	P	20 46 18.7	+0.6
E41A	Kenton	90.34	29	P	P	20 46 18.8	+0.6
G39A	Holcombe	90.39	31	P	P	20 46 18.7	+0.3
H38A	Maiden Rock	90.41	32	P	P	20 46 19.1	+0.6
COWI	Conover	90.57	29	eP	P	20 46 20.0	+0.8
COWI	Conover			LR	LR		
Y22D	IRIS PASSCAL I	90.62	47	PFAKE	LR	20 46 30.0	+10
Y22D	IRIS PASSCAL I			LR	LR		
Y22D	IRIS PASSCAL I	90.62	47	P	P	20 46 20.6	+0.6
WDD	Wied Dalam	90.66	315	PFAKE	LR	20 46 30.0	+10
WDD	Wied Dalam			LR	LR		
LFF	La Frestale	90.74	329	eP	Pmax	20 46 20.0	0.0
LFF	La Frestale			Pmax	Pmax		
BNM	Barren Site	90.75	47	eP	P	20 46 21.1	+0.5
E42A	Champion	90.78	28	P	P	20 46 19.8	-0.5
G40A	Rib Lake	90.81	30	eP	P	20 46 20.5	+0.1
G40A	Rib Lake			LR	LR		
G40A	Rib Lake	90.81	30	P	P	20 46 20.9	+0.5
H39A	Augusta	90.83	31	P	P	20 46 21.3	+0.8
TAOE	Nuku Hiva Isla	90.84	100	eLR	LR	21 15 20.2	
F41A	Three Lakes	90.88	29	eP	P	20 46 21.4	+0.6
F41A	Three Lakes			LR	LR		
F41A	Three Lakes	90.88	29	P	P	20 46 21.5	+0.8
319A	Douglas	90.98	50	eP	P	20 46 22.5	+0.9
319A	Douglas			LR	LR		
121A	Cookes Peak, D	91.14	49	P	P	20 46 23.5	+1.1
E43A	Lone Tree Farm	91.18	28	eP	P	20 46 22.3	+0.3
E43A	Lone Tree Farm			LR	LR		
E43A	Lone Tree Farm	91.18	28	P	P	20 46 21.8	-0.2
F42A	Maple Grove Fa	91.25	29	P	P	20 46 23.0	+0.6
H40A	Chili	91.26	30	P	P	20 46 22.5	0.0

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G41A	Antigo	91.28	29	P	P	20 46 23.1	+0.6
CBKS	Cedar Bluff	91.32	40	eP	P	20 46 22.3	-0.6
CBKS	Cedar Bluff			LR	LR		
CBKS	Cedar Bluff	91.32	40	eP	P	20 46 22.3	-0.6
CBKS	Cedar Bluff			Pmax	Pmax		
CBKS	Cedar Bluff			MLR	MLR		
CBKS	Cedar Bluff	91.32	40	P	P	20 46 23.0	0.0
E44A	Grand Marais A	91.38	27	PFAKE	LR	20 46 30.0	+7.0
E44A	Grand Marais A			LR	LR		
E44A	Grand Marais A	91.38	27	P	P	20 46 23.3	+0.4
I39A	Houston	91.39	32	eP	P	20 46 23.5	+0.3
I39A	Houston			LR	LR		
I39A	Houston	91.39	32	P	P	20 46 23.2	+0.1
HSIG	HSIG	91.45	53	PFAKE	LR	20 46 30.0	+6.4
HSIG	HSIG			LR	LR		
G42A	Mountain	91.56	29	eP	P	20 46 24.1	+0.3
G42A	Mountain			LR	LR		
G42A	Mountain	91.56	29	P	P	20 46 24.0	+0.1
F43A	Flat Rock, Esc	91.56	28	P	P	20 46 24.0	+0.1
H41A	Junction City	91.57	30	eP	P	20 46 24.0	+0.1
H41A	Junction City			LR	LR		
H41A	Junction City	91.57	30	P	P	20 46 24.3	+0.4
SRIG	Santa Rosalia	91.69	55	PFAKE	LR	20 46 40.0	+15
SRIG	Santa Rosalia			LR	LR		
F44A	Big Bay de Noc	91.73	27	P	P	20 46 24.5	-0.1
I40A	Norwalk	91.75	31	P	P	20 46 25.1	+0.3
D46A	Sault St. Mari	91.84	26	P	P	20 46 25.4	+0.3
G43A	Wallace	91.84	29	eP	P	20 46 25.3	+0.1
G43A	Wallace			P	P	20 46 25.8	+0.7
E45A	Wooded Hills,	91.88	26	P	P	20 46 26.1	+0.8
TBI	Tubuai	91.92	117	ePP	PP	20 50 01.6	-3.9
TBI	Tubuai			eSKSac	SKSac	20 56 54.6	-3.5
TBI	Tubuai	91.92	117	ePS	PS	20 58 38.0	-0.6
TBI	Tubuai			eSS	SS	21 03 31.8	-4.1
TBI	Tubuai			eLQ	LQ	21 11 58.0	
TBI	Tubuai			eLR	LR	21 15 35.5	
I41A	Arkdale	91.93	31	eP	P	20 46 25.8	+0.2
I41A	Arkdale			LR	LR		
I41A	Arkdale	91.93	31	P	P	20 46 26.0	+0.4
D47A	Chapleau	92.02	25	P	P	20 46 25.9	-0.1
J40A	Soldiers Grove	92.10	31	P	P	20 46 26.2	-0.2
H42A	Shiocton	92.12	29	PFAKE	LR	20 46 40.0	+14
H42A	Shiocton			LR	LR		
H42A	Shiocton	92.12	29	P	P	20 46 27.2	+0.8
CHGQ	Chibougamau	92.14	18	P	P	20 46 26.4	-0.1
K39A	Olwein	92.15	32	P	P	20 46 26.3	-0.3
SCIA	State Center	92.18	34	eP	P	20 46 27.5	+0.7
SCIA	State Center			LR	LR		
SCIA	State Center	92.18	34	P	P	20 46 27.5	+0.7
E46A	Sault Ste Mari	92.19	26	P	P	20 46 27.3	+0.6
LSOQ	Lebel-saur-Quev	92.20	20	P	P	20 46 26.5	-0.3
F45A	CMU Biological	92.32	27	P	P	20 46 28.1	+0.8
D48A	Paudash Townsh	92.36	24	P	P	20 46 27.4	-0.2
J41A	Loganville	92.44	31	P	P	20 46 28.1	+0.1
H43A	Windswept, Lux	92.46	29	PFAKE	LR	20 46 40.0	+12
H43A	Windswept, Lux			LR	LR		
H43A	Windswept, Lux	92.46	29	P	P	20 46 28.3	+0.3
I42A	Draeger Farm,	92.47	30	PFAKE	LR	20 46 40.0	+12
I42A	Draeger Farm,			LR	LR		
I42A	Draeger Farm,	92.47	30	P	P	20 46 28.5	+0.5
E47A	Iron Bridge	92.48	25	P	P	20 46 27.8	-0.2
K40A	Colesburg	92.49	32	P	P	20 46 28.1	-0.1
F46A	Macinaw City C	92.53	27	P	P	20 46 29.1	+0.8
L39A	Vinton	92.56	33	P	P	20 46 29.1	+0.6
JFWS	Jewell Farm	92.70	31	eP	P	20 46 29.9	+0.7
JFWS	Jewell Farm			LR	LR		
JFWS	Jewell Farm	92.70	31	eP	Pmax	20 46 29.9	+0.7
JFWS	Jewell Farm			Pmax	Pmax		
JFWS	Jewell Farm			MLR	MLR		
JFWS	Jewell Farm	92.70	31	P	P	20 46 28.5	-0.7
KSU1	Kansas State U	92.72	38	PFAKE	LR	20 46 40.0	+11
KSU1	Kansas State U			LR	LR		
KSU1	Kansas State U	92.72	38	P	P	20 46 29.4	0.0
I43A	Langenfeld Bro	92.79	30	P	P	20 46 30.5	+0.9
G45A	Suttons Bay	92.					

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M46A	Old House Fiel	95.58	30	PFAKE	LR	20 46 50.0	+7.6	ESDC	comp=Z,1.0nm,0.8s,baz=20,slow=4.6,SNR=5.3	PP	20 50 46.6	+2.5	O52A	Adamsville	98.48	28	PFAKE	LR	20 47 10.0	+14	
M46A	Sierra La Lagu	95.62	56	eP	P	20 46 44.0	+1.0	ESDC	comp=Z,2.8nm,1.0s,baz=25,slow=8.4,SNR=4.8	PP	21 35 05.2		O52A	Glass	98.52	35	PFAKE	LR	20 47 10.0	+14	
P43A	Skaggs, Pawnee	95.68	33	P	P	20 46 42.9	0.0	ESLA	comp=Z,1.1m,18.5s,baz=40,slow=38	PP	20 47 00.0	+11	GLAT	Hartford	98.53	32	P	P	20 46 55.7	-0.1	
G55A	Calabogie	95.71	22	P	P	20 46 42.2	-0.7	ESLA	comp=Z,2.2um,20.0s	PP	20 47 00.0	+11	S47A	Williamsport	98.55	29	PFAKE	LR	20 47 10.0	+14	
PLVO	Plevna	95.79	22	PFAKE	LR	20 46 50.0	+6.7	OLIL	comp=Z,1.1m,19.0s	PP	20 47 00.0	+11	P51A	Marv??o	98.67	331	eP	Pdf	20 47 02.3	+5.9	
PLVO	Plevna	95.79	22	P	P	20 46 43.4	+0.1	J55A	Hilton	97.14	23	PFAKE	LR	PMRV	Marv??o	98.67	331	eSKS	SKSac	20 47 29.2	-4.8
Q42A	Golden Eagle	95.81	34	P	P	20 46 43.8	+0.3	J55A	Magazine	97.16	38	PFAKE	LR	PMRV	Marv??o	98.67	331	eLQ	LQ	21 25 32.4	
N46A	Monticello	95.85	30	P	P	20 46 43.9	+0.2	W39A	Magazine	97.16	38	P	P	PMRV	Marv??o	98.67	331	eLQ	LQ	21 30 14.4	
ORIO	Orleans, Innes	95.89	21	P	P	20 46 43.7	0.0	W39A	Magazine	97.16	38	P	P	WLAR	White Oak Lake	98.69	39	PFAKE	LR	20 47 10.0	+13
TXAR	Lajitas Array	95.90	48	P	P	20 46 44.8	+0.6	P47A	Martinsville	97.22	31	P	P	BINY	Binghamton	98.69	23	PFAKE	LR	20 47 10.0	+14
TXAR	Ann Arbor	95.90	28	PFAKE	LR	20 47 00.0	+16	PAB	San Pablo	97.32	329	PFAKE	LR	EMMW	East Machias	98.69	16	PFAKE	LR	20 47 10.0	+14
TXAR	Ann Arbor	95.90	28	PFAKE	LR	20 47 00.0	+16	PAB	San Pablo	97.32	329	PFAKE	LR	EMMW	East Machias	98.69	16	PFAKE	LR	20 47 10.0	+14
AAM	AAM	95.90	28	PFAKE	LR	20 47 00.0	+16	R45A	Skyler, Fairfi	97.33	33	P	P	R49A	Shellyville	98.69	31	P	P	20 46 56.1	-0.5
R41A	Rosebud	95.90	35	P	P	20 46 43.3	-0.6	NAI	Nairobi	97.37	274	PFAKE	LR	Q50A	Georgetown	98.72	30	P	P	20 46 56.4	-0.2
L48A	N Adams	95.90	28	P	P	20 46 43.6	-0.3	BLO	Bloomington	97.38	31	PFAKE	LR	P52A	Corning	98.78	28	P	P	20 46 55.9	-1.1
ALFO	Alfred	95.92	20	P	P	20 46 42.9	-0.9	BLO	Bloomington	97.38	31	PFAKE	LR	HALT	Halls	98.79	35	PFAKE	LR	20 47 10.0	+13
ABTX	Abilene, Hawle	95.93	44	PFAKE	LR	20 47 00.0	+16	S44A	Camdendale	97.38	34	P	Pdf	HALT	Halls	98.79	35	PFAKE	LR	20 47 10.0	+13
ABTX	Abilene, Hawle	95.93	44	PFAKE	LR	20 47 00.0	+16	SIUC	Southern Illin	97.38	34	eP	P	FFD	Franklin Falls	98.81	19	PFAKE	LR	20 47 10.0	+13
ELFO	Elginfield	96.00	26	P	P	20 46 43.9	-0.4	SIUC	Southern Illin	97.38	34	eP	P	FFD	Franklin Falls	98.81	19	PFAKE	LR	20 47 10.0	+13
SFIN	Lafayette	96.13	31	PFAKE	LR	20 47 00.0	+15	JCT	Junction City	97.41	45	PFAKE	LR	Q51A	Peebles	98.82	29	PFAKE	LR	20 47 10.0	+13
SFIN	Lafayette	96.13	31	PFAKE	LR	20 47 00.0	+15	JCT	Junction City	97.41	45	PFAKE	LR	Q51A	Peebles	98.82	29	PFAKE	LR	20 47 10.0	+13
SCIN	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	ERPA	Erie	97.42	25	PFAKE	LR	TRY	Troy	98.92	21	PFAKE	LR	20 47 10.0	+13
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	ERPA	Erie	97.42	25	PFAKE	LR	TRY	Troy	98.92	21	PFAKE	LR	20 47 10.0	+13
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	T47A	Sharon Grove	98.94	33	PFAKE	LR	20 47 10.0	+12
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	T47A	Sharon Grove	98.94	33	PFAKE	LR	20 47 10.0	+12
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	N55A	Marion Center	98.95	25	PFAKE	LR	20 47 10.0	+12
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	N55A	Marion Center	98.95	25	PFAKE	LR	20 47 10.0	+12
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland	97.42	27	PFAKE	LR	MET	Memphis-Engin	99.14	36	PFAKE	LR	20 47 10.0	+11
CCM	Cathedral Cave	96.16	35	eP	P	20 46 45.8	+0.7	M52A	Chesterland												









Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KKB, STIP, VTS, KRUS, etc.

MEX 12 22:18:07.5-0.3, 16.242N-98.00W, h5km, MD3.7, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

IDC 12 22:21:07.2-1.4, 42.78N-139.37E, h0km, mb3.5/3, mb1 3.7/5, mb1mx3.3/36, mbtimp3.5/5, ML2.7/3, Error ellipse: s-maj=27.3km s-min=17.5km az=154.0. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

JMA 12 22:21:09.2-0.1, 42.89N-139.27E, h30km, 2km, M3.5. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

ISC 12 22:21:08.2-1.4, 42.87N-139.22E, 0.04, h12km, 10km, n16, c1969/23, mb3.7/3, 4C, Hokkaido region. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

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

DDA 12 22:33:06.7, 39.17N-26.35E, h7km, 3km, ML2.4. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

ATH 12 22:33:07.4, 39.19N-26.46E, h18km, 3km, ML1.8/3, Error ellipse: s-maj=5.7km s-min=1.6km az=261.0. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

ISK 12 22:33:07.5, 39.15N-26.35E, h11km, ML1.9/11, Turkey. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PRK, SIGR, ZEDA, etc.

ISCJB 12 22:36:46.7-0.2, 6.80N-0.02x73.10W, 0.02, h161km, 1km, mb4.2/63, Error ellipse: s-maj=3.9km s-min=0.3km. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

IDC 12 22:36:47.5-0.6, 6.71N-72.87W, h162km, 6km, mb3.6/17, mb1 3.9/22, mb1mx3.7/39, mbtimp4.2/22, MS3.6/2. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

Ms 1 3.6/2, ms1mx3.0/33, Error ellipse: s-maj=11.8km. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

RNSC 12 22:36:48.5-0.9, 6.82N-73.15W, h154km, 3km, ML4.4, Mw4.3. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

NEIC 12 22:36:48.3-0.5, 6.73N-73.02W, h166km, 5km, mb4.3/46, Error ellipse: s-maj=7.0km s-min=4.9km az=152.0. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

ISC 12 22:36:47.5-0.5, 6.85N-73.03, h160km, 4km, n145, c1955/186, mb4.2/63, 17C-4D, Northern Colombia. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GIRON, SANTAND, BARICHARA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HUMP, SVB, Belmont, etc.

ISCJB 12 22:36:47.5-0.6, 6.71N-72.87W, h162km, 6km, mb3.6/17, mb1 3.9/22, mb1mx3.7/39, mbtimp4.2/22, MS3.6/2. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

IDC 12 22:36:47.5-0.6, 6.71N-72.87W, h162km, 6km, mb3.6/17, mb1 3.9/22, mb1mx3.7/39, mbtimp4.2/22, MS3.6/2. Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes stations like SONM, ASAR, WRA, CMAR, KESN, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes stations like KESN, ALN, ALN, ALN, ALN, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes stations like ASAR, ASAR, AS1, CTA, CMAR, etc.





Table with columns: BRTR, Keskin Array B, 18.64 312 P, Pn, 02 21 41.9 0.0, etc.

Table with columns: KDAK, Kodiak Island, 5.51 192 P, Pn, 02 38 28.1 -1.6, etc.

Table with columns: ISC 13 02:50:29.7, 0.9, 51:59N, 0:04+16:18E, 0:03, h0km, n25, etc.

ISCJB 13 02:37:08.9, 0.2, 63:17N, 0:02:150:42W, 0:04, h122km, 1km, mb4, 1/36, Error ellipse: s-maj=3.1km

Table with columns: BILL, Inuvik, 8.64 46 S, S, 02 39 12.1 +1.0, etc.

Table with columns: CLC, Colim, 2.01 263 ePn, Pn, 02 51 05.0 +0.1, etc.

MOS 13 02:37:08.7, 0.9, 63:18N, 150:53W, h117km, mb4, 3/14, Error ellipse: s-maj=14.4km s-min=6.2km az=96.3

Table with columns: RES, Resolute Bay, 21.98 36 P, Pn, 02 41 52.8 -1.2, etc.

Table with columns: MORC, Moravsky Berou, 2.01 154 ePn, Pn, 02 51 04.8 -0.2, etc.

NEIC 13 02:37:10.0, 0.6, 63:17N, 0:03:150:44W, 0:03, h117km, 5km, n166, e198/191, mb4, 1/36, 4C-1D, Central Alaska

Table with columns: SEY, Seymchan, 25.19 295 I, P, 02 42 25.1 +0.9, etc.

Table with columns: MORC, Ostrava-Krasno, 2.15 144 eSg, Sg, 02 51 36.6 -0.2, etc.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC

ISCJB 13 02:58:41.7, 0.7, 49:22S, 0:09:106E, 0:2, h10km, mb4, 0/9, MS3.6/6, Error ellipse: s-maj=25.3km

Table with columns: KSR5, Korea, 25.19 295 I, P, 02 42 25.1 +0.9, etc.

Table with columns: MOA, Motin, 3.94 199 I, Sg, 02 52 32.0 +0.4, etc.

NEIC 13 02:58:42.1, 0.9, 49:26S, 106:24E, h0km, mb4, 0/7, mb1 4.17, mb1mx3.9/28, mbtmpr4, 0/7, MS3.6/6, Ms1 3.7/6, ms1mx3.3/21, Error ellipse: s-maj=37.2km s-min=18.4km az=129.0

Table with columns: ARCS, ARCESS Array B, 47.55 2 P, P, 02 45 32.5 -0.5, etc.

Table with columns: ARSA, Arzberg, 4.37 186 Sg, Sg, 02 52 49.9 0.0, etc.

NEIC 13 02:58:43.8, 0.4, 49:26S, 106:30E, h10km, mb4, 2/5, Error ellipse: s-maj=16.4km s-min=9.3km az=105.0

Table with columns: HIA, Hailar, 47.61 298cP, P, 02 45 34.1 +0.4, etc.

Table with columns: CASY, Cape Leeuwijn, 15.50 25 T, T, 03 18 06.1, etc.

ISC 13 02:58:43.6, 0.8, 49:33S, 0:11:106E, 0:2, h10km, n28, e053/25, mb4, 0/9, MS3.6/6, Southeast Indian Ridge

Table with columns: MSF, Maaseika, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W2, Cape Leeuwijn, 15.50 25 T, T, 03 18 06.1, etc.

Table with columns: ILAR, 72nm, 0.3s, baz=225, slow=13, SNR=5214, S, Sn, 02 38 13.1 -1.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W3, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W4, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W5, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W6, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W7, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W8, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W9, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W10, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

Table with columns: PAX, Paxson, 2.27 93 P, Pn, 02 37 47.1 +0.3, etc.

Table with columns: MSF, Maselka, 51.22 0 P, Pmax, 02 45 59.6 -1.2, etc.

Table with columns: H01W11, Cape Leeuwijn, 15.52 25 T, T, 03 18 02.1, etc.

MEX 13 02:46:20.9, 0.4, 16:01N, 98:32W, h2km, MD3.6, Near coast of Guerrero

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

ISCJB 13 02:50:29.6, 0.6, 51:47N, 0:03:16E, 0:03, h0km, Error ellipse: s-maj=4.2km s-min=2.7km az=22.6

PRU 13 02:50:31.6, 0.0, 51:51N, 16:15E, h0km, Error ellipse: s-maj=6.7km s-min=6.0km az=138.0, Suspected Mining induced.

JMA 13 03:05:59.2, 0.4, 32:00N, 140:80E, h2km, M3.7, Southast of Honshu

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

Table with columns: JHCJ, Hachiojimakas, 1.36 322 P, S, 03 06 24.9 -0.4, etc.



0.2nm,0.6s,baz=251,slow=1.6,SNR=2.6

IDC 13 03:22:55.2:1.6,48.69N:156.22E,h0km,mb3.4/5, mb1 3.7/6,mb1mx3.4/43,mbtmp3.4/6,ML2.3/1,MS2.8/2, Ms1 2.8/2,ms1mx2.4/29,Error ellipse: s-maj=49.3km s-min=27.2km az=139.0

KRSC 13 03:23:00.5:10.0,49.10N:156.46E,h48km,10km,ML4.1 ISJCUB 13 03:23:01.8:0.9,49.06N:0.05:156.5E:0.1,h34km, mb3.4/5,MS3.2/1,Error ellipse: s-maj=12.0km s-min=7.4km az=179.9

MOS 13 03:23:01.9:0.5,49.05N:156.44E,h41km,mb3.7/1,Error ellipse: s-maj=46.7km s-min=5.0km az=78.7

ISC 13 03:23:01.8:1.2,48.11N:0.07:156.2E:0.1,h34km,n53,+199B/63,mb3.5/5,Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, etc.

ISCJCB 13 03:43:24.5:0.5,1.30N:0.07:99.77E:0.07,h200km, mb3.5/7,Error ellipse: s-maj=12.3km s-min=5.6km

IDC 13 03:43:24.9:1.4,1.16N:99.57E,h195km,7km,mb3.4/7, mb1 3.5/8,mb1mx3.2/34,mbtmp3.9/8,Error ellipse: s-maj=59.8km s-min=13.1km az=57.0

DJA 13 03:43:27.3:0.4,1.1N:5.10E,az=174km,5km, M4.2/5, mb4.2/2,mb5.1/1,MLV4.2/5,Mw(mb)4.4/1

ISC 13 03:43:25.6:0.7,1.27N:0.08:99.7E:0.1,h200km,n20,+196B/26,mb3.6/7,Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like MNSI Mandailing Nat, PSI Prapat, GSI Gunungsitoli, etc.

ISCJCB 13 03:52:38.4:0.5,43.31N:0.02:74.47E:0.03,h0km,Error ellipse: s-maj=3.9km s-min=2.5km az=170.0

KNET 13 03:52:38.4:0.7,43.29N:74.47E,h4km,2km,ml1.4,Error ellipse: s-maj=6.1km s-min=2.3km az=170.0

KRNET 13 03:52:38.0:0.1,43.33N:74.47E,h12km,mb2.1

SOME 13 03:52:38.0:43.25N:74.50E

NMC 13 03:52:38.0:5.43.28N:74.47E,h0km,mb3.1,mpv2.8, Error ellipse: s-maj=3.3km s-min=1.9km az=130.0, Suspected Mining explosion.

ISC 13 03:52:38.5:0.4,43.23N:0.02:74.50E:0.02,h0km,n39,+061B/167,44C-4D,Central Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like USP Oспенновка, USP Oспенновка, USP Oспенновка, etc.

IDC 13 03:57:47.0:3.3,4.59S:151.12E,h0km,mb4.2/3, mb1 4.2/6,mb1mx3.6/43,mbtmp4.3/3,MS3.2/2,Ms1 3.2/2, ms1mx2.5/38,Error ellipse: s-maj=106.6km s-min=46.8km az=118.0,New Britain region

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

IDC 13 04:14:54.1:0.9,26.11S:69.09E,h0km,mb4.0/6, mb1 4.2/6,mb1mx3.7/49,mbtmp4.0/6,MS3.7/1,Ms1 3.7/1, ms1mx2.8/28,Error ellipse: s-maj=28.3km s-min=24.8km az=55.0,Indian Ocean Triple Junction

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

IDC 13 04:18:47.1:3.0,32.13S:177.7W,h0km,mb3.3/2, mb1 3.3/3,mb1mx3.4/25,mbtmp3.3/3,ML2.6/1,Error ellipse: s-maj=73.5km s-min=36.1km az=118.0,South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, etc.

ISCJCB 13 04:19:43.1:0.4,12.69N:0.06:47.95E:0.05,h12km, mb3.9/24,MS3.6/20,Error ellipse: s-maj=9.4km s-min=6.3km az=148.8

IDC 13 04:19:43.2:0.7,12.70N:47.96E,h0km,mb3.6/16, mb1 3.8/16,mb1mx3.7/52,mbtmp3.6/16,ML4.6/1,MS3.7/22, Ms1 3.7/22,ms1mx3.5/36,Error ellipse: s-maj=18.4km s-min=14.6km az=122.0

NEIC 13 04:19:44.3:4.3,12.69N:47.96E,h9km,23km,mb4.3/12, Error ellipse: s-maj=7.0km s-min=5.0km az=108.0

ISC 13 04:19:44.8:0.6,12.68N:0.09:47.96E:0.08,h12km,n52,+057/44,mb4.0/24,MS3.6/20,Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like DAMY Dhamar, ATD Arta Tunnel, WSAW Wadi Sarin, etc.





Table with columns: CHGB, Renai, 1.21 265 P, Pn, 05 32 51.2 -0.4, etc. Lists various stations and their coordinates.

Table with columns: RLNB, Erlin, 1.96 262 eS, Sn, 05 33 27.2 +2.1, etc. Lists stations and their coordinates.

IDC 13 05:45:40.2,2.4,3.03N-95.51E,h0km,mb3.6/5,mb1 3.6/6, mb1mx3.4/43,mbtmp3.5/6,ML3.5/1,Error ellipse: s-maj=106.7km s-min=30.5km az=55.0,Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists station codes and names.

ISC/JB 13 05:49:14.3,0.5,23.35N,0.02,122.14E,0.02,h18km,3km, Error ellipse: s-maj=3.5km s-min=2.4km az=137.9

JMA 13 05:49:15.3,0.1,23.37N,122.10E,h35km,M2.6 TAP 13 05:49:15.7,23.35N,122.08E,h31km,ML3.0,D

ISC 13 05:49:14.4,1.2,23.36N,0.03,122.12E,0.02,h24km,13km, n63,r066/108,Taiwan region

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists station codes and names.

IDC 13 06:01:15.6,9.6,36.43N,22.33E,h0km,mb3.9/4, mb1 3.8/5,mb1mx3.4/42,mbtmp3.7/5,ML2.9/1,Error ellipse: s-maj=177.5km s-min=45.0km az=27.0

ISC/JB 13 06:01:19.0,0.4,36.28N,0.03,22.46E,0.04,h10km, mb3.9/4,Error ellipse: s-maj=5.1km s-min=2.4km az=136.9

ATH 13 06:01:18.0,36.28N,22.43E,h14km,1km,ML2.9/21,Error ellipse: s-maj=1.6km s-min=0.7km az=49.0

THE 13 06:01:18.2,36.29N,22.43E,h0km,1km,ML3.0/8,Error ellipse: s-maj=2.1km s-min=0.5km az=221.0

ISC 13 06:01:18.1,1.1,36.28N,0.03,22.41E,0.03,h14km,8km, n84,r1956/103,mb4.0/4,Southern Greece

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists station codes and names.

Table with columns: STYT, Tauyuan, 1.27 261 i P, Pb, 05 49 37.4 -0.3, etc. Lists stations and their coordinates.

IDC 13 06:01:15.6,9.6,36.43N,22.33E,h0km,mb3.9/4, mb1 3.8/5,mb1mx3.4/42,mbtmp3.7/5,ML2.9/1,Error ellipse: s-maj=177.5km s-min=45.0km az=27.0

ISC/JB 13 06:01:19.0,0.4,36.28N,0.03,22.46E,0.04,h10km, mb3.9/4,Error ellipse: s-maj=5.1km s-min=2.4km az=136.9

ATH 13 06:01:18.0,36.28N,22.43E,h14km,1km,ML2.9/21,Error ellipse: s-maj=1.6km s-min=0.7km az=49.0

THE 13 06:01:18.2,36.29N,22.43E,h0km,1km,ML3.0/8,Error ellipse: s-maj=2.1km s-min=0.5km az=221.0

ISC 13 06:01:18.1,1.1,36.28N,0.03,22.41E,0.03,h14km,8km, n84,r1956/103,mb4.0/4,Southern Greece

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists station codes and names.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VLX, TRIP, KER, AMT, DID, EPID, IMMV, CHAN, MHLO, GUR, MHLA, YAM, DRO, LOUT, KLV, LTK, SERI, TRAZ, VLY, RLS, GVD, LAKA, ATHU, VILL, PROD, VILA, TRIZ, PTL, DSF, DION, SIVA, ANX, MHS, LKR, EREA, ATAL, SANT, MRKA, APE, SMIA, EVGI, LAST, AGG, NPS, LK02, SKIA, XOR, CHOS, STON, BRTR, FINES, ARCES, MKAR, ZALV.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, FITZ, SONM, MKAR, UCR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NY14, GBN3, CON3, LAPC, BUEV, GBS1, GBS2, LIM1, COLC, CUI1, MGAN, MGAN, APYQ, COPN, ACOPN, ACON, ACON, JTS, JTS, MOMM, ARE1, CNGN, CNGN, MATN, CRIN, CRIN, ESPN, ESPN, HDX, CSGN, CSGN, TRT1, LCR2, LCND, LCND, PACA, PACA, DRKO, NIED, JMA, BROADBAND FAULT PLANE SOLUTION.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAJ2, JAJ2, JMJK, JMJK, JKS, JKS, JWY, JWY, JAI, JAI, JWM, JWM, JHE, JHE, JJS, JJS, JAD, JAD, JTNC, JTNC, JWT, JWT, JMN, JMN, JMT, JMT, MAT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MJAR, WRA, ASAR, IDC, NEIC, DJA, ISC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNDI, BNDI, SAUI, SAUI, FAKI, FAKI, SIJI, SIJI, SANI, MTN, MOTI, SOEI, SOEI, BATI, BATI, EDFI, MRSI, SPSI, MRSI, FITZ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ, WRAB, WR1, WRA, WB2, COEN, JAGI, KMMI, PMG, PMG, AS31, AS31, ASAR, ASAR, ASO1, ASO1, KKM, MBWA, PSAO, SBUM, CTAO, CISI, GIRL, FORT, MORV, BBOO, STKA, STKA, NWAO, NWAO, YOJ, TOO, KHON, CHAI, UTHA, UTTA, SUKH, DZM, LAMP, CM01, CM01, CMAR, CMAR, CMAR, CMAR, CHTO, CHTO, KMI, KMI, MJAR, MJAR, CD2, LZH, LZH, LZH, LZH, LZH, HHC, HHC, PYZ, ODAN, RAMM, JIRN, GUN, PKI, PKIN, DMN, KOLL, KOLL, PYUN, SONM, SONM, WMQ, WMQ, WMQ, PEAOB, PETK, PEAK, MK01, MK01, MK32, MKAR, MAKZ, BOOM, ZALV.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual, and other parameters. Includes stations like ZALV, ZAESOV, ZAA1, etc.

MOS 13 07:08:53.8, 0.9, 6.17S, 147.71E, h40km, mb5.2/45, Error ellipse: s-maj=9.5km s-min=5.5km az=95.1

ISCBJ 13 07:08:54.9, 0.1, 6.23S, 0.02, 147.82E, 0.03, h51km, mb5.1/179, MS4.0/34, Error ellipse: s-maj=3.7km

BUI 13 07:08:56.0, 0.08S, 148.03E, h65km, mb5.0/51, mb5.1/31, Ms4.8/18, Ms7.4/517

IDC 13 07:08:56.7, 1.8, 6.25S, 147.92E, h59km, 15km, mb4.6/25, mb1.4/730, mb1mx4.7/39, mbtmp4.9/30, MS3.8/29

DJA 13 07:08:58.6, 0.8, 6.5, 4.148E, h58km, 6km, M3.3/34, mb5.3/34, mb5.6/15, MLV5.6/1, MW(MB)5.1/15

NEIC 13 07:08:58.6, 1.7, 6.30S, 147.82E, h72km, 4km, mb5.1/131, Error ellipse: s-maj=11.8km s-min=5.6km az=104.0

GCMT 13 07:09:00.6, 0.2, 6.39S, 0.01, 147.93E, 0.02, h46km, 2km, MW5.1/81, Moment Tensor Solution. s26,c29; s81,c119

ISC 13 07:08:56.3, 0.2, 6.30S, 0.04, 147.79E, 0.04, h51km, n584, i160/579, mb5.1/178, MS4.0/34, 6C-11D, Eastern New Guinea region

Main station list table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual, and other parameters. Includes stations like PMG, MANU, RABL, etc.

Main station list table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual, and other parameters. Includes stations like ASAR, SANI, SOEI, etc.

Main station list table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual, and other parameters. Includes stations like MXZ, PPBI, THZ, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like LZH, PEAOB, PETK, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like ZALV, ZAA1, KDKA, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like BVAR, BRVK, EGAK, etc.









Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like VRI Vrincoia, PLOR Plostina, MLR Muntele Rosu, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like CHTO Chiang Mai, CMAR Chiang Mai Arr, CM01 LZH, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like BATG Bathurst New B, PQI Presque Isle, WVL Waterville, etc.

Technical notes and coordinates for stations: IDC 13 08:08:51.0, 0.6, 35.04N;35.50W, h0km, mb4.0/27, mb1.4/27, mb1mx4.0/57, mbtmp4.0/27, MS4.2/30, Ms1.4/2/30, Ms1mx4.2/37, Error ellipse: s-maj=18.4km, s-min=12.0km az=163.0, BUJ 13 08:08:53.7, 34.80N;35.20W, h10km, mb5.1/4, Ms5.1/2, Ms7.4/74, ISCJB 13 08:08:53.0, 3.4, 34.96N;0.07x35.22W:0.03, h13km, mb4.6/132, MS4.3/42, Error ellipse: s-maj=10.6km, NEIC 13 08:08:55.0, 3.0, 35.07N;35.15W, h10km, 3km, mb4.8/118, Error ellipse: s-maj=14.2km s-min=8.5km az=103.0, IGLI 13 08:08:56.0, 34.79N;35.16W, h10km, MS4.4, GCMT 13 08:08:57.0, 1.1, 35.30N;0.01:35.52W:0.01, h21km, MW5.2/115, Moment Tensor Solution. s74, c104, s115, c207, Duration: 1s0 Moment tensor: Scale 10^16 Nm; Mn:0.51+; 18; Mbb:3.06+; 16; Mbb:2.54+; 14; Mm:1.99+; 31; Mbb:7.64+; 14; Mm:0.81+; 26; Best double couple: Mb:8.38700x10^16 NP1:281.00000, 384.00000, 1.2, 0.00000, NP2:189.00000, 378.00000, 1.74, 0.00000, Principal axes: T: 8.6650, Plg:13.0000, Azm:308.0000, P: 7.9090, Plg4.0000, Azm55.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s, Triangular moment-rate function, ISC 13 08:08:55.1-0.5, 34.96N;0.09x35.35W:0.05, h13km, n209, c2816/197, mb4.7/132, MS4.4/46, 3C, Northern

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like CMLA Cha da Macela, LIS Lisbon, MORF Marneleite, etc.

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SPITS Spitsbergen Ar, TUL1 Leonard, MDND Maddock, etc.

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like K05A Summer Lake, NV01 Milna Array, NVAR NVAR, etc.

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MJAR, KURBB Kurchatov Arra, WRA Warramunga Arr, etc.

SOME 13 08:59:11.4, 41.52N, 72.70E, h10km
KRNE 13 08:59:12.9, 0.1, 41.59N, 72.64E, h10km, mb2.0
NNC 13 08:59:15.5, 1.7, 41.74N, 72.65E, h0km, mb2.8, mpv2.6,
Error ellipse: s-maj=16.2km s-min=6.6km az=174.0
ISCJB 13 08:59:16.1, 0.9, 41.39N, 0.08, 72.71E, 0.04, h33km, Error
ellipse: s-maj=11.5km s-min=4.4km az=7.8
ISC 13 08:59:13.1, 1.1, 41.70N, 0.05, 72.63E, 0.02, h9km, 11km,
n15, c071/27, 10C-7D, Kyrgyzstan

IDC 13 08:12:12.1, 7.5, 20.71S, 178.63W, h587km, 81km,
mb2.9/s, mb1 3.2/5, mb1mx2.8/35, mbtmp3.9/5, Error
ellipse: s-maj=100.6km s-min=35.2km az=146.0, Fiji
Islands region

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

MEX 13 08:18:24.0, 2.4, 17.39N, 101.52W, h29km, 5km, MD4.2,
Near coast of Guerrero

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZIIG Zihuatajejo, ARIG Puento Sto Nin, R15V R15V, etc.

ISCJB 13 08:45:53.8, 0.8, 33.14N, 0.05, 140.89E, 0.09, h65km,
mb3.5/9, Error ellipse: s-maj=10.9km s-min=7.0km

JMA 13 08:45:53.5, 0.1, 33.17N, 140.95E, h51km, M3.4
IDC 13 08:46:01.6, 3.1, 33.21N, 140.18E, h125km, 29km, mb3.1/5,
mb1 3.4/6, mb1mx3.0/38, mbtmp3.4/6, Error ellipse:
s-maj=38.4km s-min=18.2km az=95.0
ISC 13 08:45:54.9, 1.0, 33.15N, 0.06, 140.86E, 0.09, h65km, n19,
c124/22, mb3.4/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, El, AzE, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZIIG Zihuatajejo, ARIG Puento Sto Nin, R15V R15V, etc.

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

Table with columns: WRA, Pcp, Pcp, 09 16 06.9 +0.9, etc. Lists various weather stations and their data.

IDC 13 09:07:40.0 10.0,6:66S<145.37E,h0km,mb3.2, mb1 3.5/3,mb1mx3.33,mbtmp3.33,ML3.0, Error ellipse: s-maj=335.8km s-min=35.8km az=102.0, New Guinea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists station codes and names.

IDC 13 09:19:02.1 0.5,45:82S<76.12W,h0km,mb4.3/1.4, mb1 4.5/30,mb1mx4.3/30,mbtmp4.3/16,ML4.1,2,MS4.9/18, Ms1 4.9/18,ms1mx4.8/23, Error ellipse: s-maj=22.6km s-min=14.3km az=97.0

NEIC 13 09:19:04.9 0.3,45:85S<75.70W,h10km,mb5.1/5.3, MW5.3(GUC),MW5.3(GUC), Error ellipse: s-maj=12.2km s-min=7.3km az=95.0

GCMT 13 09:19:05.9 0.1,45:89S<0.01:76.30W>0.01,h14km,1fkm, MW5.4/17, Moment Tensor Solution. s76,c116; s117,c216; Duration: t=2 Moment tensor: Scale 1017 Nnt; Mn0.06c; D2; Mw0.59c; D2; Mw0.64c; D2; Mw0.04c; D2; Mw0.54c; D6; Best double couple: M=1.40300<1017 NP1,3>346.00000; 888.00000, 1-22.00000, NP2,3>76.00000; 868.00000, 1-178.00000. Principal axes: T 1.3450, P1g14.0000, Azm33.0000; N 0.1170, P1g68.0000; Azm162.0000; P -1.4620, P1g17.0000; Azm299.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

GUC 13 09:19:07.9 0.6,45:79S<75.04W,h48km,gggkm,ML4.4, MW5.3

ISCJB 13 09:19:08.3 0.2,45:86S<0.04:75.41W>0.06,h33km, mb4.9/60,MS5.0/20, Error ellipse: s-maj=6.2km s-min=5.3km az=51.1

BJJ 13 09:19:11.5,45:40S<75:70W,h40km,mb5.3/6,MS5.4/8, Ms7 5.3/9

VAO 13 09:19:12.3 0.5,45:25S<75:14W,h10km,mb5.1, ISC 13 09:19:09.0 0.3,45:71S<0.05:75.49W>0.08,h35km,n244, c2545/241,mb5.0/60,MS5.0/21,1C,Off coast of southern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists station codes and names.

Main table with columns: USHA, Ushuaia, 10.18 156 eP, Pn, 09 21 29.5 -3.9, etc. Lists various weather stations and their data.

Main table with columns: X49A, Woodville, 80.45 351 P, P, 09 31 19.9 +2.3, etc. Lists various weather stations and their data.

Table with columns: TOR, Torodi Ar. Bea, 90.56 72 P, P, 09 32 09.1 +0.6, etc. Includes various station codes and coordinates.

Table with columns: SONM, PKPab, PKPab, 09 40 59.0 -2.9, etc. Includes station names like Mitchell Dam, Barry Inlet, etc.

Table with columns: SKAG, Pleasant Camp, 7.09 342 eSg, Sg, 09 43 07.0 -6.8, etc. Includes station names like Pleasant Camp, FNBFB, etc.





















IBRE	baz=159 Brettingsstai	1.05 161	P	Pb	15 50 52.9	-1.5
IBRE	baz=161		S	Sg	15 51 07.9	+0.7
IHRN	baz=206 Hraun	1.15 209	P	P	15 50 54.2	-1.7
IHRN	baz=206		S	Sb	15 51 09.5	-1.7
ILEI	baz=172 Leirhofn	1.15 127	P	Pn	15 50 54.0	-2.5
ILEI	baz=129		S	Sb	15 51 09.6	-1.8
IHLA	baz=172 Hella	1.19 172	P	Pn	15 50 55.1	-1.9
IHLA	baz=172		S	Sb	15 51 11.2	-1.3
IHED	baz=172 Heinshofni	1.19 150	P	Pn	15 50 54.8	-2.3
IHED	baz=151		S	Sb	15 51 12.0	-0.6
IGRA	baz=151 Granastaur	1.29 158	P	Pn	15 50 56.7	-1.8
IGRA	baz=158		S	Sb	15 51 14.4	-1.1
IDIM	baz=148 Dimmadals	1.37 147	P	Pn	15 50 58.3	-1.3
IDIM	baz=148		S	Sn	15 51 17.3	-1.1
IGIL	baz=148 Gilhagi	1.42 136	S	Sn	15 51 17.4	-2.2
IGIL	baz=138		P	Pn	15 50 58.8	-1.5
IREN	baz=138 Reynihlio	1.66 152	P	Pn	15 51 01.9	-1.6
IREN	baz=153		S	Sn	15 51 23.9	-1.5
IMEL	baz=153 Melhnauser	1.77 150	P	Pn	15 51 03.8	-1.3
IMEL	baz=151		S	Sn	15 51 26.4	-1.8
IGRS	baz=151 Grimstaur	1.83 143	P	Pn	15 51 05.1	-0.8
IGRS	baz=144		S	Sn	15 51 29.6	0.0
ISVA	baz=144 Svartarkot	1.89 160	P	Pn	15 51 05.9	-0.8
ISVA	baz=160		S	Sn	15 51 30.4	-0.8
IHVE	baz=180 Hveravellir	2.28 189	P	Pn	15 51 12.1	0.0
IHVE	baz=188		S	Sn	15 51 41.1	+0.3
IMKO	baz=188 Mokollar	2.37 154	P	Pn	15 51 12.8	-0.4
IDYN	baz=154 Dyngjuhals	2.41 166	P	Pn	15 51 13.8	-0.1
IADA	baz=165 Aadal	2.48 147	P	Pn	15 51 14.9	-0.1
IKRE	baz=147 Krepphauran	2.54 156	P	Pn	15 51 15.3	-0.4
ISKR	baz=156 Skrokka	2.57 176	P	Pn	15 51 16.4	+0.3
IASB	baz=176 sbjarnar	2.60 205	P	Pn	15 51 15.8	-0.6
IASB	baz=204		S	Sn	15 51 48.8	+0.1
BORG	baz=204 Borgarnes	2.60 205	Pn	Pn	15 51 15.3	-1.2
BORG	24m,0.3s,baz=16,slow=5.6,SNR=128		S	Sn	15 51 48.0	-0.6
BORG	19m,0.3s,baz=285,slow=20,SNR=4		LR	LR	15 51 50.4	
BORG	comp=Z,152nm,20.8s,baz=20,slow=30		LR	LR	15 51 20.1	+0.5
UOK	baz=175 Jokulheimar	2.82 175	P	Pn	15 51 21.6	+0.9
IGY2	baz=175 Gyjarholskot	2.91 193	P	Pn	15 51 21.9	+0.7
IVAT	baz=181 Vatnsfell	2.94 181	P	Pn	15 51 23.4	0.0
IHEI	baz=181 Heioarbar	1.30 200	P	Pn	15 51 24.9	-4.9
SCO	baz=181 Scoresbyund	3.58 343	iP	Pn	15 53 19.5	
JMIC	baz=181 Jan Mayen	5.35 39	LR	LR	15 52 40.5	
SUMC	comp=Z,379nm,20.1s,baz=257,slow=31		LR	LR	15 52 56.8	
SUMG	comp=Z,379nm,20.1s,baz=257,slow=31		LR	LR	15 52 56.8	
DAG	baz=176 Danmarks Havn	9.69 318	iP	Pn	15 52 52.1	-1.8
SFJD	baz=176 Kangerlussuaq	12.35 284	LR	LR	15 57 41.1	
NOA	comp=Z,146nm,21.7s,baz=37,slow=35		LR	LR	15 58 53.9	
NORSAR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 06.0	+1.7
SPITS	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 06.0	+1.7
HFS	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 16.8	-0.7
ARCES	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 22.2	-0.3
ARCES	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 22.2	-0.3
ARCES	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 22.2	-0.3
FINES	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 22.2	-0.3
FINES	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 54 22.2	-0.3
FRB	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 55 10.8	-1.5
CLL	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 55 33.5	+1.6
CLL	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 59 39.0	+1.3
CLL	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 04 00.0	
CLL	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 04 00.0	
PRU	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 07 50.0	
GOPC	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 07 40.0	
GO Pny	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 55 52.8	+1.2
DPC	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 55 54.5	+2.0
KHC	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 08 10.0	
GERES	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 55 56.0	+0.8
GERES	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 05 52.6	
SCHO	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 05 12.2	
ESDC	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 56 34.0	+2.2
ESDC	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 07 58.7	
AKASG	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 56 31.9	-0.1
KIRV	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 08 13.0	
MLR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 11 05.5	
NRIK	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 57 25.9	+1.2
KEST	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 11 15.5	
YKA	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 57 45.3	-0.1
YKA	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 12 49.2	
KVAR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 13 55.4	
BRTR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 58 08.4	+1.8
BRTR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 58 34.2	
KBZ	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 58 09.1	+1.8
KBZ	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 16 20.5	
AKTO	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 14 04.7	
ULM	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 14 28.8	
BVAR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 56 03.7	
ILAR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	15 58 36.3	+0.5
ILAR	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 18 53.5	
ZALV	comp=Z,227nm,21.6s,baz=305,slow=35		LR	LR	16 21 22.2	

GEYT	Alibeck	50.69 84	LR	LR	16 22 02.7	
KDOK	Kodial Island	50.79 330	LR	LR	16 22 51.3	
PDAR	Pinedale Array	51.78 290	P	P	15 59 41.2	-1.2
PDAR	comp=Z,0.7nm,0.8s,baz=46,slow=5.4,SNR=5.7		LR	LR	16 21 26.2	
PDAR	comp=Z,1.1nm,18.4s,baz=50,slow=36		LR	LR	16 21 26.2	
MKAR	Makanchi Array	51.89 59	P	P	15 59 42.7	-0.3
MKAR	comp=Z,1.3nm,0.8s,baz=328,slow=4.7,SNR=12		LR	LR	16 21 38.7	
TORD	Tordil Ar. Bea	55.156 8	P	P	16 00 11.5	+1.1
TORD	comp=Z,1.3nm,1.0s,baz=356,slow=6.8,SNR=4.5		LR	LR	16 24 24.5	
KSH	Kashi	56.20 68	P	P	16 00 10.5	-3.2
KSH	comp=Z,4.6nm,18.3s,baz=320,slow=36		LR	LR	16 00 14.1	
KSH	comp=Z,4.6nm,18.3s,baz=320,slow=36		LR	LR	16 00 16.6	
SOMM	Somino Array	58.10 40	LR	LR	16 27 06.5	
NVAR	comp=Z,5.9nm,19.9s,baz=358,slow=38		LR	LR	16 27 06.5	
NVAR	comp=Z,0.3nm,0.6s,baz=64,slow=6.1,SNR=3.0		P	P	16 00 34.0	+1.2
NVAR	comp=Z,2.86nm,18.2s,baz=8.0,slow=36		LR	LR	16 26 11.8	
DBIC	Dimbokro	61.10 164	LR	LR	16 28 59.6	
TXAR	Lajitas Array	61.38 278	P	P	16 00 50.6	-0.2
TXAR	comp=Z,0.7nm,1.0s,baz=67,slow=5.0,SNR=3.5		LR	LR	16 27 18.7	
TXAR	comp=Z,2.38nm,18.9s,baz=0.0,slow=36		LR	LR	16 30 01.8	
KLR	Kul'dur	61.85 21	LR	LR	16 30 01.8	
GTA	Gaotai	64.09 49	P	P	16 01 10.4	+1.7
GTA	comp=Z,2.0nm,1.4s		P	P	16 01 15.1	
GTA	comp=Z,2.0nm,1.4s		P	P	16 01 17.5	
ASAJ	Asajikawa	68.19 14	LR	LR	16 31 17.8	
ASAJ	comp=Z,1.9nm,20.2s,baz=193,slow=36		LR	LR	16 31 17.8	
KSRS	Korea Array	72.71 27	LR	LR	16 34 59.8	
KSRS	comp=Z,2.5nm,18.5s,baz=326,slow=37		LR	LR	16 34 59.8	
MJAR	Matsushiro Arr	75.18 19	P	P	16 02 16.4	-0.6
MJAR	comp=Z,1.5nm,0.8s,baz=344,slow=6.1,SNR=4.4		P	P	16 39 32.9	
JNU	Nakatsue	77.45 26	LR	LR	16 39 32.9	
JNU	comp=Z,3.2nm,18.1s,baz=60,slow=38		P	P	16 03 00.9	-0.6
CMAR	Chiang Mai Arr	83.28 58	P	P	16 42 13.3	
CMAR	comp=Z,1.7nm,0.9s,baz=324,slow=6.2,SNR=13		LR	LR	16 42 13.3	
WRA	Warramunga Arr	129.81 34	PKP	PKP	16 09 42.4	-1.6
WRA	comp=Z,5.9nm,1.0s,baz=7.2,slow=3.3,SNR=2.6		PKP	PKP	16 09 42.4	-1.6
ASAR	Alice Springs	133.31 58	P	P	16 09 49.7	-0.9
ASAR	comp=Z,0.6nm,0.9s,baz=29,slow=2.1,SNR=5.4		PKPdf	PKPdf	16 09 49.7	-0.9

BER 13 15:52:23.0; 1.8, 58.53N; 15.46E, h0km, ML2.1, Suspected explosion  
 ISCJB 13 15:52:24.0; 4.0, 58.84N; 0.03; 15.12E; 0.05, h0km, Error ellipse: s-maj=1.7km s-min=3.0km az=40.4  
 IDC 13 15:52:24.6; 1.8, 58.70N; 14.83E; h0km, mb1 3.2/2, mb1mx2/9.30, mbtmp3.2, ML2/0.3, Error ellipse: s-maj=16.7km s-min=9.2km az=27.0  
 UPP 13 15:52:25.0; 4.0, 58.82N; 15.10E, h0km, ML2.2, Explosion  
 ISC 13 15:52:24.0; 8.58; 83N; 0.04; 15.13E; 0.03, h0km, m20, c18132, Sweden

KRMR	Karymshinskiy	2.58 329	eP	Pn	16 15 20.7	-1.4
KRMR	Karymshinskiy	2.58 329	eS	Sn	16 15 50.2	-2.0
KRMR	Karymshinskiy	2.58 329	PN	PN	16 15 20.7	-1.4
DALK	Dalny	2.59 339	eP	Sn	16 15 50.2	-2.0
DALK	Dalny	2.59 339	eS	Sn	16 15 20.7	-1.4
DALK	Dalny	2.59 339	PN	PN	16 15 20.7	-1.4
PET	Petrovoplovsk	2.61 337	eP	Pn	16 15 51.2	-1.1
PET	Petrovoplovsk	2.61 337	iP	Pn	16 15 20.6	-1.8
PET	Petrovoplovsk	2.61 337	eP	Pn	16 15 21.0	-1.4
NLC	Nalytchevo	2.61 347	eP	Pn	16 15 21.4	-1.1
NLC	Nalytchevo	2.61 347	eS	Sn	16 15 51.3	-1.6
NLC	Nalytchevo	2.61 347	PN	PN	16 15 21.4	-1.1
SKR	Severo-Kuril's	2.67 273	eP	Sn	16 15 13.1	-1.6
SKR	Severo-Kuril's	2.67 273	eS	Sn	16 15 51.9	-2.1
SKR	Severo-Kuril's	2.67 273	PN	PN	16 15 21.1	-2.1
SKR	Severo-Kuril's	2.67 273	PN	Sn	16 15 50.9	-3.4
UGLR	Ugloviaya	2.74 341	iP	Pn	16 15 23.2	-1.1
UGLR	Ugloviaya	2.74 341	PN	PN	16 15 23.2	-1.1
SMAR	Somma	2.79 341	eP	Pn	16 15 24.0	-1.0
SMAR	Somma	2.79 341	PN	PN	16 15 24.2	-1.0
AVH	Avacha	2.81 340	eP	Pn	16 15 24.7	-0.6
AVH	Avacha	2.81 340	PN	PN	16 15 24.7	-0.6
KRER	Koryakskii	2.84 341	eP	Pn	16 15 25.2	-0.7
KRER	Koryakskii	2.84 341	PN	PN	16 15 25.2	-0.7
KRX	Arik	2.92 340	eP	Pn	16 15 25.9	-0.9
KRX	Arik	2.92 340	PN	PN	16 15 25.9	-0.9
PEA0B	Petrovoplovsk	2.96 328	ePn	Pn	16 15 26.8	-0.5
PETK	Petrovoplovsk	2.96 328	eP	Pn	16 15 26.8	-0.5
PETK	12nm,0.3s,baz=126,slow=18,SNR=230		Sn	Sn	16 16 04.2	+2.7
PETK	Petrovoplovsk	2.96 328	ePn	Pn	16 15 26.1	-1.2
PEA1	Petrovoplovsk	2.96 328	ePn	Pn	16 15 26.4	-1.0
APC	Apacha	3.02 321	eS	Sn	16 16 04.2	+2.6
APC	Apacha	3.02 321	eS	Sn	16 16 04.7	+1.3
APC	Apacha	3.02 321	PN	PN	16 16 02.0	-0.9
APC	Apacha	3.02 321	PN	Sn	16 15	











Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ENR Entracque, ENR comp=E,316um,0.2s, ENR comp=N,334um,0.1s, etc.

Table with columns: IMI, AML, AML, and other parameters. Includes stations like IMI comp=E,162um,0.6s, IMI Imperia, IMI Imperia, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like N23A baz=11, LAO LASA Array, BW06 Boulder Array, etc.

Vertical text block containing technical details and coordinates: IDC 13 19:16:33.5:2.7, 43:31N:105:25W, h0km, mb3.8/1, Ms 1.3/2.2, ms1mx2.4/60, Error ellipse: s-maj=62.8km, s-min=10.0km az=156.0, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ISA Isabella, Lake, MDPB Devils Postpil, BMN Battle Mountai, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMDO Jabal Madar, JMDO, SMDO, SMDO, SMDO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAP Chiang Mai Arr, MMAI Mount Meron Arr, ARCES ARCES Array B, etc.

ISCJB 13 20:09:37.9±0.8, 73.56N±0.04, 87E±0.3, h10km, Error ellipse: s-maj=12.8km s-min=5.0km az=177.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HSPB Hornsund (broa), HSP Hornsund, BRBA Barentsburg A, etc.

ISCJB 13 19:31:27.2±0.7, 6.4N±0.2, 123.5E±0.2, h600km, mb3.8/9, Error ellipse: s-maj=35.0km s-min=11.0km az=148.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIJI Sorong, BATI Baumenta, FITZ Fitzroy Crossi, etc.

ISCJB 13 19:31:29.2±1.5, 6.38N±0.06, h600km, 19km, mb3.1/9, mb1 3.4/1.1, mb1mx3.6/5.0, mbtmp3.3/1.1, Error ellipse: s-maj=40.0km s-min=10.3km az=59.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THW Thimble, GYTH Alibek, MMAI Mount Meron Arr, etc.

ISC 13 19:31:28.3±0.8, 6.4N±0.2, 123.6E±0.3, h600km, n11, c079/14, mb3.9/9, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KIF Kilpisjärvi, STEI Stigen, ARAO ARCES Array S, etc.

ISCJB 13 19:43:30.0±0.6, 44.51N±0.06, 105.38W±0.07, h0km, Error ellipse: s-maj=8.3km s-min=7.3km az=19.0

ISC 13 19:43:31.0±1.3, 44.61N±0.05, 105.82W±0.07, h0km, mb1 3.4/3, mb1mx3.1/5.8, mbtmp3.2/3, ML2.5/2, Error ellipse: s-maj=41.1km s-min=8.6km az=141.0

NEIC 13 19:43:32.0±0.5, 44.44N±0.05, 105.44W±0.07, h0km, ML2.9, Error ellipse: s-maj=6.7km s-min=4.9km az=32.0, Suspected Mining explosion.

NEIC 17 km [11 miles] NNE of Gillette, ISC 13 19:43:31.4±1.0, 44.48N±0.06, 105.41W±0.06, h0km, n25, c070/25, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSSD Black Hills, K22A Casper, LAO LASA Array, etc.

ISC 13 19:54:42.7±7.3, 29.42N±0.80, 72E±0.72, h0km, mb3.3/4, mb1 3.4/5, mb1mx3.1/6.1, mbtmp3.3/5, ML3.0/1, Error ellipse: s-maj=309.1km s-min=23.5km az=73.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, etc.

ISCJB 13 20:03:07.9±0.9, 23.74N±0.08, 94.11E±0.07, h35km, mb2 9/2, Error ellipse: s-maj=12.9km s-min=7.2km az=35.0

ISC 13 20:03:12.6±2.9, 23.52N±0.93, 97E±0.73, h73km, 33km, mb2 8/2, mb1 3.0/3, mb1mx2.756, mbtmp3.1/3, ML3.7/2, Error ellipse: s-maj=34.6km s-min=15.2km az=24.0

ISC 13 20:03:11.5±1.0, 23.75N±0.09, 93.95E±0.07, h35km, n5, c045/5, Myanmar-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRDH Bariadhala, BRDH, ZALV Zalesovo Beam, etc.

DJA 13 20:04:20.5±0.3, 9°S±2.120°E±, h10km, ML4.0/5, MLV4.0/5, Flores region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI Waikabubak, WBSI, WSI Waingapu, etc.

WEL 13 20:21:49.0±1.0, 37°S±13°18'0W±, h33km, ML3.9/17, East North Island

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

MOS 13 20:27:35.7±0.8, 5.58S±131.05E, h75km, mb5.3/32, Error ellipse: s-maj=9.9km s-min=5.7km az=120.3

BJI 13 20:27:35.8±0.8, 5.60S±131.12E, h88km, mb5.1/51, mb5.1/28, Ms4.8/12, Ms7.4/6.1/3

ISCJB 13 20:27:38.0±0.3, 5.53S±131.12E, h80km, 2km, mb4.5/31, mb1 4.6/34, mb1mx4.4/5.2, mbtmp4.9/34, MS3.3/11, Ms1 3.3/11, ms1mx3.1/2.8, Error ellipse: s-maj=12.0km s-min=8.0km az=73.0

NEIC 13 20:27:38.0±0.5, 5.56S±131.12E, h91km, 4km, mb5.0/73, Error ellipse: s-maj=4.8km s-min=3.3km az=57.0

DJA 13 20:27:39.0±0.2, 5.52S±131.12E±, h90km, 3km, MS5.0/49, RIGZ Riharu Road, h3.92/224, Mb5.3/49, Mb5.4/31, MLV6.8/7, Mw(B)4.9/3

ISC 13 20:27:38.0±0.3, 5.58S±0.03, 131.18E±0.04, h92km, 2km, h92km, p-P, n364, c157/391, mb5.0/128, 9C-4D, Banda Sea

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like FAKI, SIJI, SANI, KDU, MTN, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LEM, GIRL, MEEK, FORT, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GYA, GIRA, CM31, CMAR, etc.









13d 21h

Table with columns: STEP, STEP, TURN, TURN, comp=Z,208nm,0.2s, Turunc, 1.71 125 i P IAML\_P, Pn, 21 01 34.1 -1.9, comp=Z,14nm,0.1s

KRSC 13 21:23:13.7±10.0,50.11N;157.00E,h94km,10km,ML4.8
NEIC 13 21:23:13.5±1.1,50.18N;157.08E,h150km,10km,
mb4.5/25,Error ellipse: s-maj=15.1km s-min=8.1km
az=144.0

MOS 13 21:23:14.5±1.1,50.36N;156.18E,h140km,mb2/4/14,
Error ellipse: s-maj=9.2km s-min=4.1km az=75.6

ISCJB 13 21:23:14.0±0.4,50.35N;156.22E,0.07,
h133km,3km,mb4.1/57,Error ellipse: s-maj=10.0km
s-min=4.2km az=138.4

SKHL 13 21:23:15.2±0.8,50.48N;156.05E,h126km,2km,mb5.4/3,
msH6.1/3

IDC 13 21:23:17.1±7.1,3.50°S2N;155.92E,h144km,11km,
mb3.6/25,mb1 3.8/30,mb1mx3.7/53,mbmp4.1/30,Error
ellipse: s-maj=13.4km s-min=8.4km az=139.0

ISC 13 21:23:18.0±0.7,50.23N;156.44E,0.06,h123km,5km,
h186,σ155/208,mb4.2/57,-8C,2D,Kuril Islands

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, etc.

2013 APR

Main table with columns: BILL, Billuno, Bilibino, Yakutsk, MDJ Mudiangjan, MAJO Matsushiro, MAJO Matsushiro, MJAR Matsushiro Arr, MJBY Matsu-Tunnel, INU Inuyama, KSRs Korea Arr, KS01 Wonyu Array St, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, JNU Nakatsue, JNU Nakatsue, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, TOLK Toolik Lake Re, ULN Ulanbator, ULN Ulanbator, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, SOMNI Songino Array, ILAR Irelson Array, ILAR Irelson Array, TLY Talaya, TLY Talaya, H11S1 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, ZAK Zakamensk, ZAK Zakamensk, INK Inuvik, INK Inuvik, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, GAT Gaotai, GAT Gaotai, GAT Gaotai, ZALV Zalesovo Beam, DGZ Jazzator, DGZ Jazzator, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, RES Resolute Bay, YKA Yellowknife Arr, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MK01 Makanchi Array, MAZ2 Makanchi, MAZ2 Makanchi, KMI Kunming, SPA0 Spitsbergen Arr, BRVK Borovoye, BRVK Borovoye, PDGK Podgornoye, PDGK Podgornoye, OTUK Ortayu, OTUK Ortayu, KDJ Kajisay, KDJ Kajisay, DAG Danmarks Havn, ARU Arti, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, F10A Beach Ranch, CMMT Chiang Mai

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Main table with columns: CHTO Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, ARCES ARCES Array B, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CM01 Chiang Mai Arr, JIRN Jiri, GUN Gumba, RAMN Ramite, KKN Kakani, PKI Pulchoki, PKIN Pulchoki, DMN Daman, DANN Danning, KOLN Koldand, PYUN Piuthan, NV01 Mina Array St, NVAR Narsa Array B, MDPB Devils Postpile, NIL Nilore, NIL Nilore, PDAR Pinedale Array, FINES FINESS Array B, OBN Obninsk, OBN Obninsk, NC405 NORARS Array S, NC204 NORARS Array S, NB2 NORARS Subarra, NOA Narsa Array B, GEYT Alibek, T25A Trinidad, AKASG Malin Array Be, KBZ Khabaz, WRA Warramunga Arr, BUR08 Bucoovina Ar, BURAR Bucoovina Array, TXAR Lajitas Array, TRPA Tarpa, LANS Lantsaeva Anna, VYHS Lytvska, VYHS Lytvska, ASAR Alice Springs, GERES Geres Array B, GEOA GERES Array S, BRTR Keskin Array B, ESDC Soneca Array, KEST Kesra, CPUP Pila Flores, PLCA Paso Flores

IDC 13 21:33:36.3±0.2,21.51S;176.74W,h0km,mb3.7/3,
mb1 3.9/3,mb1mx3.6/21,mbmp3.7/3,MS3.3/4,Ms1 3.3/4,
ms1mx3.0/32,Error ellipse: s-maj=198.9km
s-min=62.1km az=144.0,Fiji Islands region

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include DZM Mont Dzumac, RAR Rarotonga, TBI Tubuai, TBI Tubuai, HNR Honiara, PAE Papeete, PPT2 Papeete, PPT2 Papeete, PPT Papeete, TVO Taravao, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, BRTR Keskin Array, SJA 13 21:37:28.0±1.0,32.04S;69.58W,h103km,4km,ML3.3, MW3.5,Mendoza Province, AUSP Uspallata, AUSP Uspallata, RTLS Leoncito, RTLS Leoncito, ASAL Salagata, ASAL Salagata, RTCV Cerro Valdivia, RTCV Cerro Valdivia, ZON Zonda, ZON Zonda, ARCO CERRO ARCO, ARCO CERRO ARCO, UTNM Universidad Te, RTLL Cerro Villicon, RTLL Cerro Villicon, AAGR Agrelo, AAGR Agrelo







13d 22h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like RAR Rarotonga, MOO Moorlands, ARPS Mount Apollon, etc.

2013 APR

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MIDW Midway, KMSI Cibinong, RKGY Rod Gully, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like VNDA Vanda, LUBP Lubang, SMRI Semarang, etc.





13d 22h

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Table with columns for station ID, name, coordinates, and performance metrics. Includes stations like YAK, PMR, PMSA, BILL, 109C, CPE, YBH, YBK, KNK, ULN, ULN, PPLA, GHO, BFSC, ISA, EDW2, EYAK, MURC, BAR, HUMO, SML, SML, SML, GTA, GTA, GTA, GTA, GTA, GTA, SONM, SONM, SONM, SONM, 102D, RUBR, L04D, MONP2, 103D, HMT, CAST, MDPB, M04C, DIB, DIV, OMMB, IKP, LRMC, SCM, SCM, BEKR, SHL, BBRC, WAKR, MLAC, CWC, PFO, PFO, PFO, KLU, PNTR, RRR, VCNR, TIN, COR, SWSC, K04D, MPMC, YERR, TRF, J04D, I04A.

Table with columns for station ID, name, coordinates, and performance metrics. Includes stations like GSC, GSC, PAHR, BELC, H04D, TGL, G03D, HEC, BPWA, RYN, RND, RND, RND, RND, NV01, NV01, F03A, GRAC, BC3, NV11, DHY, SRIG, K05A, MOD, FURC, CRAG, J05D, BALM, BALM, BALM, SIT, H04A, HAAR, GLA, GLA, E03A, SHOC, BWN, KVN, F04D, TUQ, IRM, NLWA, LPIG, PAX, PAX, PAX, PINE, I05D, BBB, MLY, SLBS, RDOG, IM3, Y12C, Y12C, SNA, SNA, SNA, SNA, SNA, SNA, LDFC, E04D, BOD, BOD, WRH, 113A, G05D, D03D, D04E, WRAX, MENT, NEE2, CCB, HDA, HDA, F05D, MDM, MDM, LSA, TCOL, BESE, COLA, COLA, COLA, JIS.

Table with columns for station ID, name, coordinates, and performance metrics. Includes stations like RIDG, RIDG, PGC, 214A, SHPR, VNA3, VNA3, VNA3, G06A, WVOR, WVOR, WVOR, DOT, ILAR, ILAR, ILAR, ILAR, ILB, ILB, D05A, BMN, BMN, POKR, I07A, SKAG, SKAG, VNA2, VNA2, VNA2, HYT, HYT, SCRK, HSG, W13A, A04D, R11A, R11A, ZAK, ZAK, B05A, J08A, VNA1, VNA1, VNA1, F07A, IRK, IRK, IRK, LTY, TLY, TLY, TLY, PRP, PRP, B06A, G08A, C06D, E07A, COLD, GO10, WHY, HAWA, USHA, E08A, GO09, LCMT, ELK, ELK, TUC, TUC, CCUT, PSUT, EGAK, LLLB, DAWY, DLBO, FYU, D08A, KNB, SZCU, BMO, BMO, X16A, U15A, E09A.



Q45A	Warren Harvey, baz=262	111.05	55	P	PKIKP	23 07 49.6	-1.2
LRAL	Lakeview Retre	111.09	61	P	PKIKP	23 07 50.1	-0.9
F41A	Three Lakes	111.18	47	P	PKIKP	23 07 49.5	-1.4
149A	Jones	111.19	62	P	PKIKP	23 07 49.5	-1.8
X44A	Hartselle	111.28	60	P	PKIKP	23 07 49.5	-1.9
N48A	Piper City	111.32	53	P	PKIKP	23 07 50.1	-1.2
E41A	Kenton	111.35	47	P	PKIKP	23 07 50.5	-0.7
U47A	Clarksville	111.39	58	P	PKIKP	23 07 49.9	-1.6
J43A	Natural Harves	111.42	50	P	PKIKP	23 07 50.3	-1.1
Q45A	Graceland, Par	111.46	54	P	PKIKP	23 07 50.7	-0.9
M44A	Midewin, Midew	111.46	52	P	PKIKP	23 07 50.9	-0.6
Z49A	Columbiana	111.51	61	P	PKIKP	23 07 50.6	-1.2
250A	Grady	111.53	62	P	PKIKP	23 07 51.5	-0.5
Q45A	Potomac	111.56	53	P	PKIKP	23 07 50.7	-1.0
G42A	Mountain	111.61	48	P	PKIKP	23 07 50.8	-0.9
T47A	Sharon Grove	111.61	57	P	PKIKP	23 07 50.8	-1.1
Y49A	Blount Mountai	111.71	60	P	PKIKP	23 07 51.0	-1.3
451A	Vernon	111.74	64	P	PKIKP	23 07 51.5	-0.8
N45A	Kentland	111.80	53	P	PKIKP	23 07 51.5	-0.7
150A	Eclectic	111.84	62	P	PKIKP	23 07 51.1	-1.4
P46A	Rosedale	111.88	54	P	PKIKP	23 07 51.3	-1.0
X49A	Woodville	111.88	60	P	PKIKP	23 07 51.3	-1.2
U49A	Cassie Pea, Po	112.00	58	P	PKIKP	23 07 51.2	-1.5
W48A	Belvidere	112.02	59	P	PKIKP	23 07 50.9	-1.9
Z50A	Ashland	112.02	61	P	PKIKP	23 07 51.7	-1.1
SFIN	Lafayette	112.06	53	P	PKIKP	23 07 51.2	-1.5
E42A	Champion	112.07	47	P	PKIKP	23 07 51.5	-1.0
R47A	Woody Knot Far	112.24	56	P	PKIKP	23 07 51.5	-1.6
452A	Marianna	112.25	64	P	PKIKP	23 07 52.5	-0.8
251A	Midway	112.27	62	P	PKIKP	23 07 52.5	-0.8
Y50A	Piedmont	112.27	60	P	PKIKP	23 07 51.9	-1.4
N46A	Monticello	112.39	53	P	PKIKP	23 07 52.3	-1.0
Q47A	Bedord North L	112.40	55	P	PKIKP	23 07 51.6	-1.7
151A	Opelika	112.40	62	P	PKIKP	23 07 52.3	-1.3
WCI	Wyandotte Cave	112.42	56	P	PKIKP	23 07 52.0	-1.4
X50B	Fort Payne	112.42	60	P	PKIKP	23 07 52.0	-1.6
S48A	Wiedeman Farm,	112.53	56	P	PKIKP	23 07 52.1	-1.6
F43A	Flat Rock, Esc	112.54	47	P	PKIKP	23 07 51.7	-1.7
352A	Blakely	112.57	63	P	PKIKP	23 07 52.6	-1.3
P47A	Martinsville	112.58	54	P	PKIKP	23 07 52.5	-1.2
U49A	Red Boiling Sp	112.60	58	P	PKIKP	23 07 52.9	-1.0
Z51A	Franklin	112.65	61	P	PKIKP	23 07 52.8	-1.3
M46A	Old House Fiel	112.73	52	P	PKIKP	23 07 53.1	-0.8
O47A	Sheridan	112.74	54	P	PKIKP	23 07 52.5	-1.5
R48A	Norridge Ran	112.77	56	P	PKIKP	23 07 53.0	-1.1
W50A	Signal Mountai	112.80	59	P	PKIKP	23 07 53.2	-1.1
Y51A	Rockmart	112.83	61	P	PKIKP	23 07 52.9	-1.4
T49A	Edmonton	112.87	57	P	PKIKP	23 07 53.2	-1.1
152A	Waverly Hall	112.93	62	P	PKIKP	23 07 53.1	-1.4
Q48A	North Vernon	112.94	55	P	PKIKP	23 07 53.0	-1.4
S49A	Springfield	113.15	56	P	PKIKP	23 07 53.6	-1.2
353A	Camilla	113.15	63	P	PKIKP	23 07 54.2	-0.8
LPZA	La Paz	113.17	118	PKIKP	23 07 55.5	-0.8	
LPZA	comp=Z,1.5nm,0.9s,baz=18,slow=8.4,SNR=5.3			PKKPbc	23 18 41.8	-0.5	
P48A	Milroy	113.23	54	P	PKIKP	23 07 53.7	-1.2
W51A	Cleveland	113.25	59	P	PKIKP	23 07 53.3	-1.9
Z52A	Williamson	113.26	61	P	PKIKP	23 07 54.1	-1.1
K46A	Dorr	113.27	51	P	PKIKP	23 07 53.8	-1.1
R49A	Shelbyville	113.30	56	P	PKIKP	23 07 54.0	-1.1
U50A	Jamestown	113.34	58	P	PKIKP	23 07 54.1	-1.2
T50A	Nancy	113.42	57	P	PKIKP	23 07 53.8	-1.6
L47A	Sherwood	113.64	52	P	PKIKP	23 07 54.0	-1.6
Y52A	Liburn	113.64	61	P	PKIKP	23 07 54.7	-1.3
N48A	Decatur	113.67	53	P	PKIKP	23 07 54.4	-1.3
TIGA	Tifton	113.70	63	P	PKIKP	23 07 55.1	-1.0
P49A	Miami Univ. Ec	113.78	54	P	PKIKP	23 07 54.1	-1.9
H46A	Fife Lake	113.83	49	P	PKIKP	23 07 55.4	-0.6
S50A	Richmond	113.84	57	P	PKIKP	23 07 54.6	-1.5
A74A	Vermontville	113.85	51	P	PKIKP	23 07 54.9	-1.1
X52A	Dahlonaga	113.88	60	P	PKIKP	23 07 55.5	-0.9
W52A	Murphy	113.92	59	P	PKIKP	23 07 55.4	-1.1
R50A	Paris	113.96	56	P	PKIKP	23 07 55.2	-1.2
Z53A	Monticello	113.97	61	P	PKIKP	23 07 55.0	-1.6
U51A	La Follette	114.00	58	P	PKIKP	23 07 56.2	-0.4
J47A	Summer	114.02	50	P	PKPfd	23 07 55.6	-0.8
Y53A	Monroe	114.04	61	P	PKPfd	23 07 55.4	-1.2
G50A	Godfrey	114.08	61	P	PKPfd	23 07 55.2	-1.6
TKL	Tuckaleechee C	114.11	59	PKIKP	PKPfd	23 07 55.4	-1.4
T51A	Gray	114.12	57	P	PKPfd	23 07 55.4	-1.3
G46A	Petoskey	114.12	48	P	PKPfd	23 07 55.1	-1.4
O49A	Covington	114.14	54	P	PKPfd	23 07 55.1	-1.5
L48A	N Adams	114.21	52	P	PKPfd	23 07 55.8	-1.0
F46A	Macinaw City C	114.22	48	P	PKPfd	23 07 55.9	-0.7
GLMI	Grayling	114.27	49	P	PKPfd	23 07 56.5	-0.2

154A	Montrose	114.27	62	P	PKPfd	23 07 56.4	-0.8
V52A	Sevierville	114.27	59	P	PKPfd	23 07 56.0	-1.1
Q50A	Georgetown	114.29	55	P	PKPfd	23 07 55.8	-1.2
N49A	Columbus Grove	114.32	53	P	PKPfd	23 07 56.3	-0.7
X53A	Estanollee	114.35	60	P	PKPfd	23 07 56.7	-0.6
TZTN	Tazewell	114.38	56	P	PKPfd	23 07 56.3	-1.0
SS1A	Beattyville	114.47	57	P	PKPfd	23 07 56.7	-0.7
P50A	Jamestown	114.50	54	P	PKPfd	23 07 56.5	-0.9
K48A	Perry	114.50	51	P	PKPfd	23 07 56.7	-0.6
M49A	Liberty Center	114.52	52	P	PKPfd	23 07 56.2	-1.2
Y54A	Thorn Hill	114.52	58	P	PKPfd	23 07 56.6	-0.9
RS1A	Hillsboro	114.54	56	P	PKPfd	23 07 56.9	-0.6
W53A	Cullowhee	114.55	59	P	PKPfd	23 07 57.0	-0.8
E46A	Sault Ste Mari	114.56	47	P	PKPfd	23 07 55.4	-1.8
Z54A	Sparta	114.57	62	P	PKPfd	23 07 56.4	-1.3
O50A	Cable	114.68	54	P	PKPfd	23 07 56.3	-1.4
255A	Hazlehurst	114.71	63	P	PKPfd	23 07 57.4	-0.6
L49A	Milan	114.72	52	P	PKPfd	23 07 56.9	-0.8
Y54A	Tignall	114.78	61	P	PKPfd	23 07 56.8	-1.2
Q51A	Peebles	114.80	55	P	PKPfd	23 07 56.9	-1.1
155A	Kite	114.81	62	P	PKPfd	23 07 56.4	-1.8
AAM	Ann Arbor	114.81	52	P	PKPfd	23 07 57.2	-0.6
SS2A	Saltersville	114.88	57	P	PKPfd	23 07 57.0	-1.1
V53A	Saluda	114.89	59	P	PKPfd	23 07 56.9	-1.4
T52A	Halle	114.90	57	P	PKPfd	23 07 57.9	-0.4
P51A	Williamsport	115.06	55	ePKPfd	PKPfd	23 07 56.8	-1.7
P51A	Williamsport	115.06	55	P	PKPfd	23 07 57.4	-1.1
N50A	Nevada	115.09	53	P	PKPfd	23 07 57.6	-0.9
X54A	Belton	115.12	60	P	PKPfd	23 07 58.2	-0.6
061Z	Ochopki	115.13	70	P	PKPfd	23 07 58.2	-0.8
U53A	Fall Branch	115.15	58	P	PKPfd	23 07 58.2	-0.5
ACSO	Alum Creek Sta	115.17	54	ePKPfd	PKPfd	23 07 57.5	-1.2
ACSO	Alum Creek Sta	115.17	54	P	PKPfd	23 07 57.7	-1.2
T53A	Wise	115.25	57	P	PKPfd	23 07 58.1	-0.9
R52A	Cattlettsburg	115.28	56	P	PKPfd	23 07 57.8	-1.1
W54A	Cherokee Point	115.33	60	P	PKPfd	23 07 58.1	-1.1
D47A	Chapleau	115.41	46	P	PKPfd	23 07 57.9	-1.0
L50A	Kingsville	115.42	52	P	PKPfd	23 07 57.9	-1.1
O51A	Pataaskala	115.45	54	P	PKPfd	23 07 58.0	-1.2
Y55A	Saluda	115.47	61	P	PKPfd	23 07 58.5	-0.9
V54A	Nebo	115.60	59	P	PKPfd	23 07 58.9	-0.7
Q52A	Bidwell	115.63	55	P	PKPfd	23 07 58.1	-1.4
SS3A	Williamson	115.63	57	P	PKPfd	23 07 58.5	-1.2
N51A	Ashland	115.68	53	P	PKPfd	23 07 58.6	-1.0
F48A	Evansville	115.72	48	P	PKPfd	23 07 58.8	-0.7
X55A	Gracelyn & Ava	115.72	60	P	PKPfd	23 07 59.0	-0.9
U54A	Helons Funny	115.77	58	P	PKPfd	23 07 58.4	-1.6
P52A	Corning	115.78	55	P	PKPfd	23 07 58.4	-1.4
Z56A	Williston	115.81	62	P	PKPfd	23 07 59.3	-0.8
CPUP	Villa Florida	115.81	133	PKP	PKPfd	23 07 59.0	-1.4
RS3A	Hurricane	115.83	56	P	PKPfd	23 07 58.7	-1.3
M51A	Elyria	115.85	53	P	PKPfd	23 07 58.7	-1.2
T54A	Tazewell	116.02	57	P	PKPfd	23 07 59.6	-0.8
KM5C	Kings Mountain	116.03	60	P	PKPfd	23 07 59.7	-0.7
O52A	Adamsville	116.04	54	ePKPfd	PKPfd	23 07 58.8	-1.6
O52A	Adamsville	116.04	54	P	PKPfd	23 07 58.9	-1.4
E48A	Lockeyer	116.04	47	P	PKPfd	23 07 59.1	-1.0
WSR	Vadi Sarin	116.08	287	PKIKP	PKIKP	23 08 01.0	+0.1
WSR	Swerdiolovsk	116.17	325	ePKIKP	PKPfd	23 07 59.1	-0.9
N52A	McGinn's Farm,	116.20	53	P	PKPfd	23 07 59.6	-1.1
Q53A	Leroy	116.20	55	P	PKPfd	23 07 59.1	-1.6
V55A	Taylorville	116.20	59	P	PKPfd	23 07 59.6	-1.2
X56A	White Oak	116.21	60	P	PKPfd	23 07 59.9	-0.9
D48A	Paudash Townsh	116.29	46	P	PKPfd	23 07 59.2	-1.4
P53A	Whipple	116.34	55	ePKPfd	PKPfd	23 07 59.8	-1.1
P53A	Whipple	116.34	55	P	PKPfd	23 07 59.5	-1.4
BASO	Ashfield	116.35	50	P	PKPfd	23 08 00.0	-0.8
Z57A	Bowman	116.36	62	P	PKPfd	23 08 00.5	-0.6
U55A	TA2, Sparta	116.39	58	P	PKPfd	23 08 00.4	-0.8
K51A	Iona Station	116.42	51	P	PKPfd	23 08 00.3	-0.6
M52A	Chesterland	116.48	52	P	PKPfd	23 08 00.3	-0.9
O53A	New Philadelph	116.53	54	P	PKPfd	23 08 00.2	-1.0
RS4A	Victor	116.57	56	P	PKPfd	23 08 00.3	-1.2
ELFO	Elginfield	116.58	51	P	PKPfd	23 08 00.3	-1.0
W56A	Indian Trail	116.64	60	P	PKPfd	23 08 00.6	-1.1
T55A	Pulaski	116.65	57	P	PKPfd	23 08 00.6	-1.1
BMRO	Merriville Lake	116.68	49	P	PKPfd	23 08 00.6	-0.8
Y57A	Sumter	116.69	61	P	PKPfd	23 08 01.0	-0.8
BWLO	Walton	116.73	50	P	PKPfd		



Table with columns for station call letters, frequency, and other identifiers. Includes stations like KRLC, Kraliky, Dobruska-Polom, and various local stations.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like KHC, NPS, WTSB, and various regional stations.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like TRAZ, GUR, SERG, and various international and regional stations.





Table with columns: RES, Resolution, Bay, Azimuth, Elevation, Power, SNR, and other parameters. Includes stations like Modoc Plateau, Wild Horse Val, KWAJ, etc.

Table with columns: TXAR, Resolution, Bay, Azimuth, Elevation, Power, SNR, and other parameters. Includes stations like Lajitas Arr, Arti, Pdgognoy, etc.

Table with columns: NEST, Station Name, Azimuth, Elevation, Power, SNR, and other parameters. Includes stations like Janina, Tiran, etc.

ADC 14 00:07:53.5-0.9, 7.75S: 104.37E, h0km, mb4.0/16, mb1 4.1/18, mb1mx4.0/51, mb1mp4.0/18, ML4.0/2, Error ellipse: s-maj=24.4km s-min=9.3km az=33.0, ISCJB 14 00:07:55.0-0.4, 7.78S: 104.32E, h0.4, h27km, mb4.0/23, Error ellipse: s-maj=6.8km s-min=4.5km az=37.6

Table with columns: Code, Station Name, Azimuth, Elevation, Power, SNR, and other parameters. Includes stations like KASI, SKJI, etc.

ATH 14 00:04:30.6, 40.36N: 19.63E, h21km2km, ML2.6/6, Error ellipse: s-maj=3.2km s-min=1.0km az=175.0, THE 14 00:04:32.9, 40.30N: 19.77E, h0km2km, ML2.5/6, Error ellipse: s-maj=3.2km s-min=1.1km az=311.0, TIR 14 00:04:32.2, 40.28N: 19.71E, h9km, Md3.1, ISCJB 14 00:04:34.7, 40.4, 20.24N: 0.02: 19.80E: 0.04, h10km, Error ellipse: s-maj=4.6km s-min=2.3km az=174.0, ISC 14 00:04:33.3, 1.1, 40.27N: 0.02: 19.78E: 0.02, h3km, 10km, n49, c104/74, 4C-4D, Albania

Table with columns: Code, Station Name, Azimuth, Elevation, Power, SNR, and other parameters. Includes stations like Tepelena, Sarande, etc.



14d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GTA, ANNE, ANPB, AZAC, etc.

2013 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NEW Newport, IRM Iron Mountain, R11A Troy Canyon, etc.

790

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



Table with columns: SP/PAO, Spitsbergen Ar, 61.20 349 eP, P, 01 32 09.5 +1.4, etc. Includes entries for GEYT, GYA0B, DZM, KLMR, KEV, RES, HAMF, ARCES, ARED, ARES, KTK1, YKA, YKBS, JOF, TRO, TULEG, DAG, ARMA, MOS, VRH, FORT, STKA, STKA, STKA, OBN, LPSR, STEI, LOF, VSR, FIA1, FINES, MOR8, NCK, SHME, ZEI, DELIS, TBLG, KBZ, KIV, KIV, KIV, MSFE, VSU, NEY, HATD, GNI, FAUQ, CO9A, NSS, NWA0, SUMG, SUMG, SUMG, NEW, PINE, YBH, SOC, SOC, SOC.

Table with columns: SOC, SOC, SOC, comp=Z,22nm,1.1s, MLR, MLR, NACGM, K05A, SCO, SCO, SCO, ANN, ANN, F10A, BMO, BMO, J08A, SIRT, AKAS, AKAB, KIEV, KIEV, KIEV, AK11, ORV, ORV, N405, N3C03, N20M, N20B, NB201, NB2, NB2, NOA, NC602, NB000, BEKA, SUW, SUW, AKN, SIM, SIM, FFC, FFC, FFC, PAHR, SKAR, CMB, CMB, YERR, YERR, EGML, KONO, DLMT, DIKM, HLID, BOZ, BOZ, BOZ, ASK, NVAR, NV01, NV11, BLS5, ELK, ELK, ILGA, YHH, GCMT, BSD, BSD, BIR, PRAR, H17A, IMW, KWP, KWP, KWP, TESR, BIZ, BUR08, COP, COP, COP, FWXY, BURAR, BURAR, RLMT, MOOW, HUU, HUU, HUU, BR131, BR131, BR131, ODBI, TIRG, VRI.

Table with columns: VRI, PLOA, PLOA, PLOA, TLB, R11A, ANTO, LAO, OZUR, ARCR, OJC, OJC, OJC, OJC, ICOR, DOPR, TRPA, DUG, DUG, PD31, PDAR, PDAR, PDAR, NLU, ARR, SHPR, MORC, MORC, MORC, MORC, MORC, KRLC, KRLC, DPC, DPC, PSZ, PSZ, PSZ, PSZ, VYHS, VYHS, PHSR, GZR, P17A, PFO, JAVC, VLAD, PVCC, PVCC, PVCC, WRAC, BRG, BRG, BRG, CLL, CLL, CLL, CLL, ULM, ULM, ULM, BAR, KRUC, CSS, GOPC, GOPC, MODS, PRU, PRU, PRU, TREC, TREC, RSSD, RSSD, ZST, ZST, W13A, MDVR, NKC, NKC, BKZ, CONA, VTS, VTS, KHC, KHC, GERS, GERS, GEAO, N23A, Y14A, Y14A, ARSA, GRFO, GRFO, GRFO, MOA, X16A, ISCO, ISCO, ISCO, MVCO.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PERS Pernice, SOBA Soboth, OBKA Obir, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ASAR, CMAA Cobar Meteorol, MGCO Mangrove Creek, etc.

MEX 14 01:25:01.2...0.5, 16.49N, 98.49W, h20km, 30km, MD3.7

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PNIG Pinotepa, TLIG Tiapa, etc.

ISC/JB 14 01:32:21.9...0.6, 6.45S, 0.02x154.61E, 0.02, h33km, 5km

mb5.8/346, MS6.4/226, Error ellipse: s-maj=3.1km s-min=2.5km az=18.0

BJJ 14 01:32:21.8...6.55S, 154.60E, h40km, mb5.9/74, mB6.5/75, MS6.5/99, MS7.6/490

MOS 14 01:32:22.1...0.6, 3.38S, 154.54E, h36km, mb6.1/80, MS6.4/62, Error ellipse: s-maj=5.9km s-min=4.7km az=105.6

IDC 14 01:32:22.0...1.3, 6.44S, 154.69E, h27km, mb5.2/41, mb1.5/345, mb1mx5.2/49, mb1mx5.4/45, ML4.2/4, MS6.2/35, Ms1.6/235, ms1mx6.1/41, Error ellipse: s-maj=10.6km s-min=8.4km az=68.0

NEIC 14 01:32:22.0...0.1, 6.48S, 154.61E, h31km, mb6.0/277, MS5.9, MS6.5/137, MW6.4, MW6.6, Error ellipse: s-maj=2.0km s-min=1.8km az=133.0 Moment Tensor Solution: s32 Moment tensor: Scale 10^18Nm; Mw:3.92; Mw-0.39; Mw-3.53; Mw1.41; Mw2.97; Mw-1.55; Best double couple: Ms5.20000, 1018 NP1.305, 142.00000, 357.00000; 1.81.00000; NP2.338, 0.00000; 3.34.00000; 1.03.00000; Principal axes: T 4.410, Plg7.0000; Azm26.0000; N 1.3400, Plg7.0000; Azm146.0000; P -5.7500, Plg12.0000; Azm238.0000; Broadband fault plane solution: P waves. NP1.305, 305.00000; 3.30.00000; 1.90.00000; NP2.338, 125.00000; 3.60.00000; 1.90.00000; Principal axes: T Plg75.0000; Azm35.0000; N Plg0.0000; Azm0.0000; P Plg15.0000; Azm215.0000; Apparent Stress 0.09 MPa; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

DJA 14 01:32:25.6...0.6, 7.3S, 151.5E, h54km, mb5.9km, M6.3/79, mb5.9/79, mb6.6/76, Mw(mb)6.4/76, Mw(p)6.3/31

NEIC 14 01:32:27.0...0.0, 6.30S, 154.55E, h35km, Best double couple: NP1.305, 130.00000; 3.73.00000; 1.88.00000; NP2.338, 318.00000; 3.17.00000; 1.97.00000; Principal axes: T 1.0800, Plg62.0000; Azm37.0000; N -0.0300, Plg2.0000; Azm131.0000; P -1.0500, Plg27.0000; Azm222.0000

GCMT 14 01:32:27.6...0.0, 6.74S, 154.56E, h29km, MW6.5/136, Moment Tensor Solution: s136c339; s132c562; Duration: 45s Moment tensor: Scale 10^18Nm; Mw:3.92; Mw-0.39; Mw-3.54; Mw1.42; Mw2.97; Mw-1.55; Best double couple: Ms5.20000, 1018 NP1.305, 142.00000; 3.57.00000; 1.81.00000; NP2.338, 0.00000; 3.34.00000; 1.03.00000; Principal axes: T 4.410, Plg7.0000; Azm26.0000; N 1.3400, Plg7.0000; Azm146.0000; P -5.7500, Plg12.0000; Azm238.0000; Broadband fault plane solution: P waves. NP1.305, 305.00000; 3.30.00000; 1.90.00000; NP2.338, 125.00000; 3.60.00000; 1.90.00000; Principal axes: T Plg75.0000; Azm35.0000; N Plg0.0000; Azm0.0000; P Plg15.0000; Azm215.0000; Apparent Stress 0.09 MPa; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

DJA 14 01:32:25.6...0.6, 7.3S, 151.5E, h54km, mb5.9km, M6.3/79, mb5.9/79, mb6.6/76, Mw(mb)6.4/76, Mw(p)6.3/31

NEIC 14 01:32:27.0...0.0, 6.30S, 154.55E, h35km, Best double couple: NP1.305, 130.00000; 3.73.00000; 1.88.00000; NP2.338, 318.00000; 3.17.00000; 1.97.00000; Principal axes: T 1.0800, Plg62.0000; Azm37.0000; N -0.0300, Plg2.0000; Azm131.0000; P -1.0500, Plg27.0000; Azm222.0000

GCMT 14 01:32:27.6...0.0, 6.74S, 154.56E, h29km, MW6.5/136, Moment Tensor Solution: s136c339; s132c562; Duration: 45s Moment tensor: Scale 10^18Nm; Mw:3.92; Mw-0.39; Mw-3.54; Mw1.42; Mw2.97; Mw-1.55; Best double couple: Ms5.20000, 1018 NP1.305, 142.00000; 3.57.00000; 1.81.00000; NP2.338, 0.00000; 3.34.00000; 1.03.00000; Principal axes: T 4.410, Plg7.0000; Azm26.0000; N 1.3400, Plg7.0000; Azm146.0000; P -5.7500, Plg12.0000; Azm238.0000; Broadband fault plane solution: P waves. NP1.305, 305.00000; 3.30.00000; 1.90.00000; NP2.338, 125.00000; 3.60.00000; 1.90.00000; Principal axes: T Plg75.0000; Azm35.0000; N Plg0.0000; Azm0.0000; P Plg15.0000; Azm215.0000; Apparent Stress 0.09 MPa; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

DJA 14 01:32:25.6...0.6, 7.3S, 151.5E, h54km, mb5.9km, M6.3/79, mb5.9/79, mb6.6/76, Mw(mb)6.4/76, Mw(p)6.3/31

NEIC 14 01:32:27.0...0.0, 6.30S, 154.55E, h35km, Best double couple: NP1.305, 130.00000; 3.73.00000; 1.88.00000; NP2.338, 318.00000; 3.17.00000; 1.97.00000; Principal axes: T 1.0800, Plg62.0000; Azm37.0000; N -0.0300, Plg2.0000; Azm131.0000; P -1.0500, Plg27.0000; Azm222.0000

GCMT 14 01:32:27.6...0.0, 6.74S, 154.56E, h29km, MW6.5/136, Moment Tensor Solution: s136c339; s132c562; Duration: 45s Moment tensor: Scale 10^18Nm; Mw:3.92; Mw-0.39; Mw-3.54; Mw1.42; Mw2.97; Mw-1.55; Best double couple: Ms5.20000, 1018 NP1.305, 142.00000; 3.57.00000; 1.81.00000; NP2.338, 0.00000; 3.34.00000; 1.03.00000; Principal axes: T 4.410, Plg7.0000; Azm26.0000; N 1.3400, Plg7.0000; Azm146.0000; P -5.7500, Plg12.0000; Azm238.0000; Broadband fault plane solution: P waves. NP1.305, 305.00000; 3.30.00000; 1.90.00000; NP2.338, 125.00000; 3.60.00000; 1.90.00000; Principal axes: T Plg75.0000; Azm35.0000; N Plg0.0000; Azm0.0000; P Plg15.0000; Azm215.0000; Apparent Stress 0.09 MPa; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

DJA 14 01:32:25.6...0.6, 7.3S, 151.5E, h54km, mb5.9km, M6.3/79, mb5.9/79, mb6.6/76, Mw(mb)6.4/76, Mw(p)6.3/31

NEIC 14 01:32:27.0...0.0, 6.30S, 154.55E, h35km, Best double couple: NP1.305, 130.00000; 3.73.00000; 1.88.00000; NP2.338, 318.00000; 3.17.00000; 1.97.00000; Principal axes: T 1.0800, Plg62.0000; Azm37.0000; N -0.0300, Plg2.0000; Azm131.0000; P -1.0500, Plg27.0000; Azm222.0000

GCMT 14 01:32:27.6...0.0, 6.74S, 154.56E, h29km, MW6.5/136, Moment Tensor Solution: s136c339; s132c562; Duration: 45s Moment tensor: Scale 10^18Nm; Mw:3.92; Mw-0.39; Mw-3.54; Mw1.42; Mw2.97; Mw-1.55; Best double couple: Ms5.20000, 1018 NP1.305, 142.00000; 3.57.00000; 1.81.00000; NP2.338, 0.00000; 3.34.00000; 1.03.00000; Principal axes: T 4.410, Plg7.0000; Azm26.0000; N 1.3400, Plg7.0000; Azm146.0000; P -5.7500, Plg12.0000; Azm238.0000; Broadband fault plane solution: P waves. NP1.305, 305.00000; 3.30.00000; 1.90.00000; NP2.338, 125.00000; 3.60.00000; 1.90.00000; Principal axes: T Plg75.0000; Azm35.0000; N Plg0.0000; Azm0.0000; P Plg15.0000; Azm215.0000; Apparent Stress 0.09 MPa; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

DJA 14 01:32:25.6...0.6, 7.3S, 151.5E, h54km, mb5.9km, M6.3/79, mb5.9/79, mb6.6/76, Mw(mb)6.4/76, Mw(p)6.3/31

NEIC 14 01:32:27.0...0.0, 6.30S, 154.55E, h35km, Best double couple: NP1.305, 130.00000; 3.73.00000; 1.88.00000; NP2.338, 318.00000; 3.17.00000; 1.97.00000; Principal axes: T 1.0800, Plg62.0000; Azm37.0000; N -0.0300, Plg2.0000; Azm131.0000; P -1.0500, Plg27.0000; Azm222.0000

GCMT 14 01:32:27.6...0.0, 6.74S, 154.56E, h29km, MW6.5/136, Moment Tensor Solution: s136c339; s132c562; Duration: 45s Moment tensor: Scale 10^18Nm; Mw:3.92; Mw-0.39; Mw-3.54; Mw1.42; Mw2.97; Mw-1.55; Best double couple: Ms5.20000, 1018 NP1.305, 142.00000; 3.57.00000; 1.81.00000; NP2.338, 0.00000; 3.34.00000; 1.03.00000; Principal axes: T 4.410, Plg7.0000; Azm26.0000; N 1.3400, Plg7.0000; Azm146.0000; P -5.7500, Plg12.0000; Azm238.0000; Broadband fault plane solution: P waves. NP1.305, 305.00000; 3.30.00000; 1.90.00000; NP2.338, 125.00000; 3.60.00000; 1.90.00000; Principal axes: T Plg75.0000; Azm35.0000; N Plg0.0000; Azm0.0000; P Plg15.0000; Azm215.0000; Apparent Stress 0.09 MPa; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

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

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ASAR, CMAA Cobar Meteorol, MGCO Mangrove Creek, etc.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OMRZ, MKRZ, AUQP, SGKI, OTRP, HAIZ, URZ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NACB, TPUB, RKGY, SSSLB, INU, YHNB, TATO, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NJ2, MYKOM, ASAJ, ASAHAKA, ASUJ, etc.

PSI	comp=Z,208nm,1.7s	56.39 278	eP	P	01 42 01.0 -0.9
PSI	comp=Z,208nm,1.7s	56.60 335	eP	P	01 42 02.4 -0.3
CN2	Changchun	56.60 335	eP	P	01 42 16.4 +1.3
CN2			eS	S	01 49 51.5 +0.2
CN2			eSS	SS	01 53 40.6 +0.9
CN2	comp=Z,9um,20.0s		LR	LR	
CN2	comp=Z,6um,20.0s		LR	LR	
TRIT	comp=Z,8um,22.0s	56.62 284	P	P	01 42 05.4 +2.0
ENH	Trang	56.62 284	P	P	01 42 05.4 +2.0
ENH	Enshi	56.65 313	eP	LR	01 42 03.3 -0.1
CHAI	Chaiyaphum	56.68 294	P	P	01 42 06.4 +2.6
PATY	Patayay	56.80 290	P	P	01 42 12.6 +7.9
GVA	Guyang	56.88 307	iP	P	01 42 06.6 +1.4
GVA			PP	PP	01 42 16.4 +0.2
GVA			PP	PP	01 44 14.6 +2.5
GVA			S	S	01 50 00.1 +4.2
GVA			sS	sS	01 50 14.3 -1.3
GVA	comp=Z,90nm,1.0s		pmx	pmx	
GVA	comp=Z,6um,8.9s		pmx	pmx	
GVA	comp=Z,20um,20.2s		LR	LR	
GVA	comp=Z,28um,21.1s		LR	LR	
PMOR	Pomarioleo Ree	56.95 104	eP	P	01 42 07.7 +2.0
SKR	Severo-Kuril's	56.97 1	eS	P	01 42 04.4 -0.7
SKR			eS	S	01 49 58.3 +2.4
SKR	comp=Z,5um,9.4s		pmx	pmx	
SKR	comp=N,11um,12.5s		smx	smx	
SKR	comp=E,12um,13.4s		MLR	MLR	
SKR	comp=Z,13um,17.0s		MLR	MLR	
KRAB	Krabi	57.19 284	P	P	01 42 10.1 +2.7
VAH	Vaihoa	57.22 104	P	P	01 42 09.2 +1.6
COCO	West Island	57.23 260	PFAKE	LR	01 42 20.0 +1.2
GSI	Gunungsitoli	57.48 276	eP	P	01 42 08.9 -0.7
GSI	Gunungsitoli	57.48 276	eP	P	01 42 08.5 -1.1
KCSI	Kotacane, Aceh	57.64 278	P	P	01 42 09.4 -1.3
PHET	Kaeng Krachan	57.95 290	P	P	01 42 17.0 +4.2
TYV	Tymovskoe	58.06 351	eP	P	01 42 12.7 -0.2
TYV			e	e	01 50 09.8
TYV	comp=Z,14nm,0.8s		pmx	pmx	
TYV	comp=Z,4um,7.7s		pmx	pmx	
TYV	comp=N,10um,20.0s		MLR	MLR	
TYV	comp=Z,11um,20.0s		MLR	MLR	
TPTI	Baijatuau	58.18 278	P	P	01 42 14.2 -0.2
BJT	Baijatuau	58.31 326	eP	P	01 42 14.7 -0.1
BJT			eP	P	01 42 14.7 -0.1
BJT	comp=Z,74nm,1.0s		LR	LR	
BJT	comp=Z,29um,19.0s		MLR	MLR	
BJI	Beijing	58.32 326	P	P	01 42 14.3 -0.6
BJI	comp=Z,8um,17.5s		LR	LR	
BJI	comp=Z,4um,23.3s		LR	LR	
UTTA	Uttaradit	58.58 295	P	P	01 42 20.8 +3.7
LHMI	Lhok Sumawe	58.76 280	eP	P	01 42 17.4 -1.0
LHMI	Lhok Sumawe	58.76 280	eP	P	01 42 19.4 +0.9
NANT	Nan	58.80 296	P	P	01 42 19.8 +1.1
SRDT	SRDT	58.84 291	P	P	01 42 21.1 +2.2
UTHA	Uthaitani	58.89 292	P	P	01 42 21.5 +2.2
TIY	Taiyuan	58.99 322	eP	P	01 42 20.1 +0.4
TIY			S	S	01 50 21.5 -1.5
TIY	comp=Z,5um,11.2s		LR	LR	
TIY	comp=Z,12um,19.5s		LR	LR	
TIY	comp=Z,17um,18.8s		LR	LR	
KLR	Kul'dur	58.99 343	P	P	01 42 19.2 -0.2
KLR	Kul'dur	58.99 343c	iP	pmx	01 42 18.9 -0.5
KLR	comp=Z,103nm,1.3s		MLR	MLR	
XAN	Xi'an	59.11 316	P	P	01 42 20.5 -0.1
XAN			pP	pP	01 42 28.1 -4.7
XAN			S	S	01 50 13.8 -1.1
XAN			SS	SS	01 54 19.9 +0.2
XAN	comp=Z,4um,8.3s		LR	LR	
XAN	comp=Z,16um,19.5s		LR	LR	
XAN	comp=Z,22um,18.6s		LR	LR	
XAN	comp=Z,23um,20.6s		LR	LR	
XAN	Xi'an	59.11 316	eP	P	01 42 20.5 -0.1
XAN	Xi'an	59.11 316	eP	P	01 42 20.5 -0.1
MSLI	Meulaboh, Aceh	59.11 279	P	P	01 42 20.7 -0.3
GRNR	Gornyy	59.17 347	eP	pmx	01 42 19.0 -1.7
SUKH	Sukhothai	59.32 295	P	P	01 42 24.5 +2.2
PET	Petropavlovsk	59.40 3	eP	P	01 42 21.8 -0.3
PET	Petropavlovsk	59.40 3c	iP	LR	LR
PET			eS	S	01 42 22.4 +0.3
PET			eS	S	01 50 26.2 -1.3
PET			eSS	SS	01 54 19.4 -3.9
PET	comp=Z,5um,9.6s		pmx	pmx	
PET	comp=Z,7um,14.9s		pmx	pmx	
PEA0B	Petropavlovsk	59.44 2	eP	P	01 42 23.1 +0.6
PETK	Petropavlovsk	59.44 2	eP	P	01 42 22.2 -0.3
PETK	comp=Z,15nm,0.8s,baz=170,slow=8.1,SNR=19		LR	LR	02 04 14.9
PETK	comp=Z,34um,22.0s,baz=183,slow=32		LR	LR	02 12 02.4
PETK	comp=Z,1.7nm,0.5s,baz=92,slow=4.7,SNR=4.9		PKP2bc	PKP2bc	02 12 02.4
PETK	Petropavlovsk	59.44 2	eP	P	01 42 22.6 +0.2
PETK			iP	iP	02 12 02.4
PETK	Petropavlovsk	59.44 2	eP	P	01 42 22.6 +0.2
KMI	Kunming	59.45 304	iP	P	01 42 24.8 +1.5
KMI			PP	PP	01 44 40.6 +5.5

KMI	comp=Z,210nm,1.3s		S	S	01 50 29.3 -0.4
KMI			SS	SS	01 54 27.3 +1.7
KMI	comp=Z,6um,10.7s		pmx	pmx	
KMI	comp=Z,9um,22.0s		LR	LR	
KMI	comp=Z,20um,22.0s		LR	LR	
KMI	comp=Z,30um,22.5s	59.45 304	eP	P	01 42 23.1 -0.2
KMI	Kunming	59.45 304	eP	P	01 42 23.1 -0.2
KMI	comp=Z,635nm,1.6s		PMAX	PMAX	
UMPA	Umpang Tak	59.62 293	P	P	01 42 28.2 +3.8
CM01	Chiang Mai Arr	60.23 295	eP	P	01 42 28.1 -0.5
CM31	Chiang Mai Arr	60.26 295	eP	P	01 42 28.1 -0.6
CM31	Chiang Mai Arr	60.26 295	P	P	01 42 30.2 +1.5
CMAR	Chiang Mai Arr	60.26 295	P	P	01 42 29.8 +1.0
CMAR	comp=Z,41nm,0.8s,baz=117,slow=4.7,SNR=94		LR	LR	02 09 41.4
CMAR	comp=Z,9um,18.6s,baz=108,slow=37		PKPPKP	PKPPKP	02 11 49.5
CMMT	Chiang Mai	60.37 296	P	P	01 42 30.8 +1.3
CHTO	Chiang Mai	60.37 296	eP	P	01 42 28.9 -0.6
CHTO	comp=Z,19um,20.0s		LR	LR	
CHTO	Chiang Mai	60.37 296	eP	pmx	01 42 28.9 -0.6
CHTO	comp=Z,392nm,1.7s		MLR	MLR	
CHTO	comp=Z,19um,20.0s		MLR	MLR	
CHTO	Chiang Mai	60.37 296	P	P	01 42 30.9 +1.3
CHTO	SNR=98		P	P	01 42 30.9 +1.3
CHTO	SNR=98		P	P	01 42 30.8 +1.3
CHTO	comp=Z,523nm,2.1s,comp=Z,26um,comp=Z,88um		P	P	01 42 30.0 -0.3
NKL	Nikolayevsk	60.59 350	iP	P	01 51 02.0
NKL	comp=Z,60nm,0.9s		pmx	pmx	
NKL	comp=N,2um,11.0s		pmx	pmx	
NKL	comp=Z,6um,11.0s	61.23 310	P	P	01 42 35.9 +0.7
CD2	Chengdu		pP	pP	01 42 47.5 +0.8
CD2			PP	PP	01 44 51.5 +0.9
CD2			S	S	01 50 54.3 +2.3
CD2			sS	sS	01 51 14.0 +1.8
CD2	comp=Z,270nm,0.6s		pmx	pmx	
CD2	comp=Z,7um,6.7s		pmx	pmx	
CD2	comp=Z,25um,18.1s		LR	LR	
CD2	comp=Z,36um,20.6s		LR	LR	
CD2	comp=Z,43um,19.6s		LR	LR	
HHC	Hu-ho-hao-tse	61.49 324	eP	PP	01 42 39.5 +2.7
HHC			PP	PP	01 44 57.4 +4.6
HHC			S	S	01 50 57.6 +2.5
HHC	comp=Z,22nm,0.5s		pmx	pmx	
HHC	comp=Z,14um,19.0s		LR	LR	
HHC	comp=Z,16um,18.1s		LR	LR	
HHC	comp=Z,24um,18.2s		LR	LR	
BTO	Baotou	62.25 323	eP	P	01 42 43.0 +1.0
KIWI	Kanaga Island	62.94 19	eP	P	01 42 46.0 -0.1
ADK	Adak	63.12 19	eP	P	01 42 47.2 -0.1
ADK	comp=Z,127nm,0.8s		LR	LR	
ADK	comp=Z,49um,20.0s		MLR	MLR	
HIA	Hailar	63.33 335	eP	P	01 42 48.8 0.0
HIA	comp=Z,181nm,1.1s		LR	LR	
HIA	comp=Z,13um,20.0s		MLR	MLR	
HIA	Hailar	63.33 335c	iP	pmx	01 42 48.5 -0.3
HIA	comp=Z,193nm,1.1s		MLR	MLR	
GSTR	Great Sitkin T	63.51 20	eP	P	01 42 50.3 +0.4
LZH	Lanzhou	63.72 316	iP	P	01 42 53.3 +1.4
LZH			pP	pP	01 43 04.3 +0.1
LZH			PP	PP	01 43 09.4 +0.2
LZH			PP	PP	01 45 16.4 +3.8
LZH			S	S	01 51 22.4 -0.9
LZH			sS	sS	01 51 37.0 -0.9
LZH	comp=Z,150nm,1.4s		pmx	pmx	
LZH	comp=Z,6um,5.8s		LR	LR	
LZH	comp=Z,16um,17.4s		LR	LR	
LZH	comp=Z,23um,17.9s		LR	LR	
LZH	comp=Z,30um,19.0s		LR	LR	
PBA	Port Blair	64.15 286	eP	P	01 42 52.2 -2.7
ATKA	Atka Island	64.24 21	eP	P	01 42 55.0 +0.3
ZEA	Zeya	64.30 342c	eP	P	01 42 55.0 -0.1
ZEA			eS	S	02 12 02.4
ZEA			eS	S	01 52 02.0 +9.3
ZEA	comp=N,160nm,1.8s		pmx	pmx	
ZEA	comp=Z,190nm,1.6s		pmx	pmx	
ZEA	comp=Z,5um,11.0s		pmx	pmx	
ZEA	comp=E,900nm,12.0s		pmx	pmx	
ZEA	comp=N,2um,9.0s		smx	smx	
ZEA	comp=N,2um,14.0s		smx	smx	
ZEA	comp=E,1um,14.0s		MLR	MLR	
ZEA	comp=E,11um,18.0s		MLR	MLR	
DGPR	DIGLIPUR	64.33 288	eP	IAMB	01 42 55.6 -0.4
DGPR	comp=Z,56nm,0.9s		IAMB	IAMB	01 43 04.6
DGPR	comp=Z,11um,25.3s		IAMS_20	IAMS_20	02 16 21.5
TAOE	Nuku Hiva Isla	64.60 97	eS	S	01 51 33.9 -1.0
TAOE	comp=Z,7um,26.9s		eLQ	LQ	01 59 30.3
TAOE	comp=Z,19um,31.1s		eLR	LR	02 02 10.5
MA2	Magadan	65.94 358	eP	P	01 43 04.9 -0.7
MA2	comp=Z,410nm,1.1s		LR	LR	
MA2	comp=Z,19um,22.0s		LR	LR	
MA2	Magadan	65.94 358	eP	pmx	01 43 04.9 -0.7
MA2	comp=Z,410nm,1.1s		MLR	MLR	
NIKH	Nikolski High	66.83 23	eP	P	01 43 11.7 +0.2
CASY	Casey	66.95 198	eP	P	01 43 12.6 +0.6
CASY	comp=Z,384nm,1.6s		LR	LR	

CIT	comp=Z,8um,19.0s	68.02 334	eP	P	01 43 21.4 +2.4
CIT	Chita	68.02 334	eP	P	01 43 40.0
CIT			e	e	01 43 49.4
BRDH	Bariadaha	68.06 297	P	P	01 43 20.6 +0.7
BRDH	comp=Z,99nm,0.4s,baz=265,slow=17,SNR=3.5		LR	LR	02 12 08.7
GTA	Gaotai	68.14 317	P	P	01 43 20.8 +0.6
GTA			pP	pP	01 43 31.1 -1.5
GTA			eP	eP	01 43 35.0 -2.2
GTA			S	S	01 52 20.5 +3.5
GTA			sS	sS	01 52 37.8 -0.2
GTA	comp=Z,5um,8.5s		LR	LR	
GTA	comp=Z,9um,19.6s		LR	LR	
GTA	comp=Z,15um,20.6s		LR	LR	
GTA	comp=Z,17um,19.0s		LR	LR	
ULN	Ulaanbaatar	68.40 328	eP	P	01 43 21.9 +0.2
ULN	comp=Z,91nm,1.1s		LR	LR	
ULN	Ulaanbaatar	68.40 328c	iP	pmx	01 43 22.1 +0.4
ULN	comp=Z,23um,19.0s		pmx	pmx	
ULN	comp=Z,145nm,1.6s		MLR	MLR	
ULN	comp=Z,22um,19.0s		MLR	MLR	
ULN	Ulaanbaatar	68.40 328	P	P	01 43 21.9 +0.2
ULN	SNR=50		P	P	01 43 21.9 +0.2
UNV	Unalaska Valle	68.42 24	eP	P	01 43 21.4 0.0
SONM	Songino Aray	68.73 327	P	P	01 43 23.9 +0.2
SONM	comp=Z,6.8nm,0.5s,baz=136,slow=5.6,SNR=56		PKPPKP	PKPPKP	02 11 35.9
SONM	comp=Z,1.4nm,0.9s,baz=258,slow=2.3,SNR=8.1		LR	LR	02 14 54.7
SONM	comp=Z,17um,18.6s,baz=1				













Table with columns: TOAO, TOR, TOR, P, P, MDP, KIC, DBIC, DBIC, DBIC, TIC, NBLI, RCBR, RCBR, RCBR, RCBR, RCBV, RCBV, SACV. Includes station names like Torodi Ar. Bea, Porto Moniz, and various codes and times.

NIED 14 01:35:00, 40.60N, 142.90E, h32km, Mw3.8 Best double couple: M5.950000, 1014 NP1.9, 277.00000, 843.00000, lambda-111.000000. NP2.3, 124.00000, delta.000000, lambda-72.000000.

JMA 14 01:35:22.6, 0.2, 40.63N, 142.92E, h16km, 3km, M4.0 ISCJB 14 01:35:24.0, 0.7, 40.62N, 0.03, 142.95E, 0.06, h46km, 6km, mb3.7/10, Error ellipse: s-maj=8.4km s-min=4.2km az=22.5

IDC 14 01:35:26.8, 2.5, 40.66N, 143.04E, h57km, 19km, mb3.5/10, mb1.3/7.14, mb1mx3.4/58, mbtmp3.7/14, ML3.1/4, MS2.7/1, Ms1.2/7.1, ms1mx2.6/57, Error ellipse: s-maj=27.2km s-min=14.0km az=105.0

ISC 14 01:35:21.0, 1.5, 40.68N, 0.03, 142.91E, 0.05, h7km, 9km, n36, r102/43, mb3.8/10, 3C-1D, Near east coast of eastern Honshu

Main table for station 801 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists stations like KJEN, JKEN, JTH, JANG, etc.

ISCJB 14 01:50:14.6, 1.4, 6.8S, 0.2x153.7E, 0.2, h150km, mb3.4/6, Error ellipse: s-maj=37.9km s-min=16.0km az=28.9

IDC 14 01:50:14.7, 5.6, 6.92S, 153.96E, h149km, 44km, mb3.2/6, mb1.3/4.8, mb1mx3.2/37, mbtmp3.7/8, Error ellipse: s-maj=54.7km s-min=28.6km az=109.0

ISC 14 01:50:15.0, 1.5, 6.95S, 0.2, 153.9E, 0.3, h150km, n9, r114/9, mb3.5/6, New Britain region

Table for station 801 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists stations like PMG, WTA, CTA, etc.

IDC 14 02:07:06.3, 0.7, 15.55N, 46.64W, h0km, mb4.1/13, mb1.4/3.14, mb1mx3.9/57, mbtmp4.1/14, ML4.2/1, Error

ellipse: s-maj=22.1km s-min=15.9km az=96.0 ISCJB 14 02:07:07.3, 0.3, 15.52N, 0.06, 46.66W, 0.07, h17km, mb4.3/30, Error ellipse: s-maj=9.5km s-min=9.1km az=39.4

NEIC 14 02:07:09.0, 2.0, 15.51N, 46.63W, h10km, mb4.6/21, Error ellipse: s-maj=6.3km s-min=5.9km az=92.0

ISC 14 02:07:09.0, 0.5, 15.49N, 0.08, 46.65W, 0.10, h17km, n55, r073/50, mb4.5/30, Northern Mid-Atlantic Ridge

Main table for station 2013 APR with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists stations like MDP, MDP, PTGA, etc.

IDC 14 02:08:27.3, 2.3, 6.66S, 154.93E, h0km, mb3.8/3, mb1.4/1.4, mb1mx3.6/45, mbtmp3.9/4, ML2.3/1, Error ellipse: s-maj=73.4km s-min=31.9km az=131.0, Bougainville-Solomon Islands region

Table for station 2013 APR with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists stations like PMG, PMG, WRA, etc.

IDC 14 02:10:19.6, 11.0, 37.33N, 70.27E, h71km, 53km, mb3.1/2, mb1.3/4.6, mb1mx3.0/65, mbtmp3.5/6, ML3.1/4, Error ellipse: s-maj=158.1km s-min=36.8km az=165.0

ISC 14 02:10:19.9, 2.6, 38.0N, 0.2, 70.0E, 0.1, h10km, n7, r262/8, 2C-1D, Afghanistan-Tajikistan border region

Table for station 2013 APR with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists stations like KK31, KK31, AAK, etc.

SKO 14 02:17:59.1, 40.72N, 21.37E, h15km, M1.3, ML1.8

ATH 14 02:17:59.8, 40.78N, 21.39E, h9km, 2km, ML1.9/3, Error ellipse: s-maj=5.2km s-min=1.3km az=346.0

ISCJB 14 02:18:00.1, 0.4, 40.77N, 0.02, 21.40E, 0.04, h6km, 4km, Error ellipse: s-maj=4.8km s-min=3.7km az=23.8

THE 14 02:18:00.0, 40.79N, 21.37E, h8km, 1km, ML1.7/4, Error ellipse: s-maj=1.9km s-min=0.7km az=350.0

ISC 14 02:18:00.0, 0.8, 40.76N, 0.02, 21.37E, 0.03, h6km, 4km, n25, r097/40, 1D, Greece

Main table for station 14d 2h with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists stations like FNA, FNA, FNA, etc.

IDC 14 02:20:34.2, 2.8, 41.51N, 14.97E, h0km, mb3.4/1, mb1.3/4.4, mb1mx3.2/46, mbtmp3.4/4, ML3.2/2, Error ellipse: s-maj=85.2km s-min=14.6km az=96.0

PDG 14 02:20:37.8, 0.6, 41.52N, 13.99E, h8km, ML3.5/10, Error ellipse: s-maj=0.7km s-min=0.7km az=0.0

ROM 14 02:20:37.1, 0.1, 41.52N, 13.97E, h0km, n13, 970E, 0.007, h9km, ML3.2/2, Error ellipse: s-maj=0.6km s-min=0.5km az=46.0

ISCJB 14 02:20:37.5, 0.2, 41.52N, 0.01, 13.95E, 0.02, h11km, 1km, mb3.2/1, Error ellipse: s-maj=2.5km s-min=1.7km az=34.5

PRU 14 02:20:38.2, 0.0, 41.39N, 13.81E, h1km LDG 14 02:20:38.2, 0.1, 41.47N, 13.97E, h10km, ML2.6/13, Error ellipse: s-maj=4.0km s-min=1.8km az=21.0

ISC 14 02:20:37.6, 0.8, 41.52N, 0.02, 13.99E, 0.02, h11km, 5km, n28, r156/32, 23C-10D, Southern Italy

Main table for station 14d 2h with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Lists stations like CERA, CERA, CERA, etc.





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Pioggiola, Rijeka, CEME Cevo, NIKSIC, DRACEVICA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like La Chapelle, KHC Kasperske Hory, Ste Croix, etc.

IDC 14 02:40:49.9, 1.8, 8.98S; 122.59E, h0km, mb3.5/1, mb1.3/74, mb1mx3.4/27, mbmt3.6/4, ML3.7/3, Error ellipse: s-maj=141.4km s-min=27.0km az=60.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Ende, Flores, Maumere, Baing, Sumba, Waingapu, etc.

MOS 14 03:01:30.4, 0.9, 28.33N; 51.69E, h21km, mb4.5/22, Error ellipse: s-maj=8.2km s-min=5.0km az=95.8

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

IC 14 03:01:33.0, 2.7, 28.36N; 51.71E, h25km, 16km, mb4.1/24, mb1.4/27, mb1mx4.0/65, mbmt4.2/27, ML4.0/4, Error ellipse: s-maj=16.2km s-min=12.1km az=15.0

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Esma-Masafi, Kolahrood, Al Faqa, Dubai, etc.

IC 14 02:40:56.8, 0.6, 9.46S; 122.05E, 0.05, h89km, 9km, mb3.3/1, Error ellipse: s-maj=11.3km s-min=7.8km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Alne, Al Ain, Khmeim, Khmeim, Karshahi, etc.

IC 14 03:01:32.7, 0.6, 28.34N; 51.74E, h156km, 6km, m4.4/9, Error ellipse: s-maj=10.1km s-min=6.2km az=39.0

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

IC 14 03:01:37.0, 0.3, 28.30N; 51.95E, h156km, 6km, m4.4/9, Error ellipse: s-maj=10.1km s-min=6.2km az=39.0

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

Table with columns: VSR, Storozhevoje, 24.74 341, eP, P, 03 06 49.6 -2.8. Includes stations like TLCR, CFR, OTUK, LPSR, PLOR, etc.

Table with columns: GRFO, Grafenberg, 37.42 316, eP, P, 03 08 43.2 -0.8. Includes stations like DAVA, MSF, GTA, TAM, etc.

Table with columns: PKI, Pulechoki, 75.03 301, eP, P, 03 21 00.2 -0.7. Includes stations like KOLN, DANN, PYUN, WMQ, etc.

MAN 14 03:10:24.4, 9.949N:122.11E, h136km, mb4.0, ML2.8, MS2.4, ID, Negros. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

ISCJB 14 03:22:43.7, 0.6, 38.60N:0.03:43.68E, 0.04, h2km, 5km, Error ellipse: s-maj=5.4km s-min=4.4km az=16.0

DDA 14 03:22:43.2, 38.62N:43.68E, h7km, 4km, ML2.5

ISK 14 03:22:43.0, 38.71N:43.56E, h5km, ML2.4/7

ISC 14 03:22:43.9, 1.1, 38.63N:0.03:43.65E, 0.03, h12km, 8km, n21, 10/9/31, Turkey

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

BLIS 14 03:22:43.0, 0.9, 6.72S:154.93E, h0km, mb4.1/9, mb1.4/9, mb1mx4.1/39, mbtmp4.1/9, MS4.4/1, Ms1.4/4/1, ms1mx3.7/31, Error ellipse: s-maj=38.1km s-min=22.3km az=131.0

ISCJB 14 03:09:21.9, 0.6, 6.66S:0.08:154.73E, 0.10, h56km, mb4.2/19, Error ellipse: s-maj=15.7km s-min=8.3km az=34.1

NEIC 14 03:09:21.4, 0.5, 6.49S:154.67E, h35km, mb4.3/8, Error ellipse: s-maj=16.2km s-min=10.6km az=131.0

ISC 14 03:22:0.8, 0.6, 8.65S:0.1:155.0E, 0.1, h56km, n47, 14/46/48, mb4.3/19, Bougainville-Solomon Islands region

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

IDC 14 03:33:13.5, 2.2, 6.55S:154.43E, h0km, mb3.5/4, mb1.3/4, mb1mx3.5/25, mbtmp3.6/4, MS4.0/1, Ms1.4/0/1, ms1mx3.4/32, Error ellipse: s-maj=98.8km s-min=28.7km az=126.0, Bougainville-Solomon Islands region

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

IDC 14 03:46:16.1, 3.1, 6.75S:154.91E, h0km, mb3.6/4, mb1.3/4, mb1mx3.5/38, mbtmp3.6/4, Error ellipse: s-maj=90.3km s-min=35.4km az=112.0, Bougainville-Solomon Islands region

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

RSNC 14 03:51:57.5, 1.2, 6.81N:73.14W, h152km, 4km, ML3.4, Mw3.5, 9C-2D, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BARC, GIRC, BRRC, etc.









Table with columns: ID, Station Name, Time, Res, and various codes. Includes stations like Milan, Junction City, Oliver, Passleys Farm, etc.

Table with columns: ID, Station Name, Time, Res, and various codes. Includes stations like Whipple, Nancy, Beattyville, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like Ghir-Karzin, Kazeroun, Shiraz, etc.

Vertical text block containing station identifiers and coordinates, such as 'IDC 14 05:21:45.82, 2.4, 28.31N, 51.54E, h0km, mb4.0/5, mb1.3/9.7, mb1mx3.5/59, mbmt3.9/7, ML3.7/2, Error ellipse: s-maj=115.4km s-min=24.1km az=47.0, ISCBJ 14 05:21:49.0, 28.42N, 51.65E, h22km, ML4.0, mb3.9/5, Error ellipse: s-maj=7.0km s-min=3.8km az=142.1, THR 14 05:21:49.2, 28.49N, 51.68E, h17km, ML4.0, TEH 14 05:21:49.0, 28.42N, 51.65E, h22km, ML4.0, ISC 14 05:21:49.2, 2.9, 28.34N, 0.07, 51.66E, 0.07, h24km, n49,

Vertical text block containing station identifiers and coordinates, such as 'KOLA 14 05:25:52.1, 67.69N, 33.76E, h0km, NAO 14 05:25:52.1, 67.68N, 33.76E, ML2.7, ISCBJ 14 05:25:53.0, 67.64N, 0.03, 33.10E, 0.07, h0km, Error ellipse: s-maj=5.2km s-min=3.0km az=34.5, IDC 14 05:25:53.5, 1.8, 67.69N, 33.62E, h0km, mb1.3/3.4, mb1mx3.0/61, mbmt3.3/4.2, 67.64N, 0.03, 33.10E, Error ellipse: s-maj=21.6km s-min=10.9km az=74.0, HEL 14 05:25:53.0, 0.4, 67.62N, 33.60E, h0km, ML2.1, Explosion ISC 14 05:25:52.7, 1.5, 67.71N, 0.04, 33.68E, 0.08, h0km, n40, @169/71, Baltic States-Belarus-Northwestern Russia



NNC 14 07:18:32.5±0.7, 41.19N:71.05E, h0km, mb3.3, mpv2.9, 11C-3D, Error ellipse: s-maj=54.1km s-min=25.5km az=6.0, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BTK Batken, IUG luzhny, ARSB Arslanbob, etc.

NNC 14 07:25:12.7±0.5, 50.03N:78.76E, h0km, mb3.7, mpv3.4, 6C-6D, Error ellipse: s-maj=5.6km s-min=2.7km az=73.0, Suspected Mining explosion., Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KURBB Kurchatov Arra, SEM Semipalatinsk, MAKZ Makanchi, etc.

NIED 14 07:26:00, 35.70N:137.10E, h5km, Mw3.4 Best double couple: Mo1.230000±0.104, NP1.1600000±0.49, 0.00000, lambda=136.00000, NP2=260.00000, 878.00000

JMA 14 07:26:01.3, 35.74N:137.12E, h8km, M3.3, 1C-1D Broadband fault plane solution: P waves, NP1: phi=256.00000, delta=1.152.00000, NP2: phi=161.00000, delta=0.683.00000, lambda=11.00000. Principal axes: T Plg12.00000, Azm26.00000, N Plg61.00000, Azm273.00000, P Plg26.00000, Azm122.00000, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JGF Kuroka, JYTA Yamagatayachi, JIGN Ichinomiya, etc.

IDC 14 07:47:47.6±1.6, 11.57S:165.23E, h0km, mb3/8/4, mb1 4.2/7, mb1mx3.8/35, mbtmp4.1/7, ML3.8/3 Error ellipse: s-maj=28.6km s-min=28.0km az=81.0

ISCJB 14 07:47:50.9±1.3, 11.63S:101.165E:0.1, h34km, mb3.8/4, Error ellipse: s-maj=21.2km s-min=8.4km az=143.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include HNR Honiara, DZM Mont Dzumac, PMG Port Moresby, etc.

ISCJB 14 07:49:38.1±0.4, 6.61S:154.58E:0.06, h48km, mb4.2/23, MS3.3/3, Error ellipse: s-maj=8.8km s-min=7.1km az=32.8

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

ISC 14 07:49:40.3±0.4, 6.59S:154.52E:0.06, h48km, n54, r173/53, mb4.1/23, MS3.3/3, Bougainville-Solomon Islands region

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

IDC 14 07:55:47.1±2.6, 7.15S:155.35E, h0km, mb3.5/4, mb1 3.7/5, mb1mx3.5/28, mbtmp3.6/5, ML1.8/1, Error ellipse: s-maj=70.5km s-min=34.2km az=118.0

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

WRA Warramunga Arr 23.76 236 P P 08 01 04.2 +0.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

ATH 14 08:12:47.8, 33.88N:25.21E, h26km, 5km, ML3.1/7, Error ellipse: s-maj=6.7km s-min=1.9km az=173.0

IDC 14 08:12:48.7±1.2, 34.26N:25.09E, h0km, mb3.5/8, mb1 3.6/11, mb1mx3.5/38, mbtmp3.5/11, ML4.0/3, MS3.3/3, MS1 3.3/11, ms1mx2.5/36, Error ellipse: s-maj=25.3km s-min=24.0km az=132.0

ISCJB 14 08:12:52.8±0.4, 34.09N:103.25E:0.04, h62km, 6km, mb3.5/3, Error ellipse: s-maj=6.2km s-min=4.8km az=153.9

HLW 14 08:12:54.5, 34.20N:25.37E, h10km, 19km, Md3.4, M13.5 THE 14 08:12:54.2, 34.22N:25.16E, h0km, 1km, ML2.8/3, Error ellipse: s-maj=2.9km s-min=0.7km az=168.0

ISC 14 08:12:54.0±1.0, 34.10N:104.25E:0.04, h46km, 12km, n66, r160/75, mb3.6/8, MS3.5/3, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SIVA Sivas, TMBK Timbaki Herakli, LAST Lasithi, etc.





Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like JHAN bin, ROKH, IGAR, SHME, SHME, NIAN, NGRK, IZEF, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like ABKAR, AKTO, KSH, KSH, KSH, AAK, AAK, AAK, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like BNI, BNI, VAF, VAF, MSF, MSF, LVZ, LVZ, etc.

ISCJB 14 09:15:33.3±0.2, 15°43N, 0°04'-46.62W±0'02, h10km, mb4.5/197, MS4.2/23, Error ellipse: s-maj=5.4km, s-min=3.2km az=164.4

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



Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Muntele Rosu, Yerr, BIZ HAWA, PLOK, FIAO FINE, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like ARU Arti, OHAK, ABKAR, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KARP, ANAF, ANAF, etc.

ILAR Eielson Array 81.34 357 P P 09 43 12.3 +0.3
MJAR Matsushiro Arr 86.04 48 LR LR 10 27 18.0

ISK 14 09:31:09.1, 37.23N-28.17E, h3km, ML1.8/5, Suspected Mining explosion, Turkey
Code Station Name Az AZZ Phase ID Time Res ISC

IDC 14 09:46:29.6, 0.6, 6.60S, 154.73E, h0km, mb4.3/17, mb1.4/5.20, mb1mx4.4/34, mbtmp4.4/20, ML4.4/2, MS4.0/12, Ms1.4/0.12, ms1mx3.7/36, Error ellipse: s-maj=18.8km, s-min=15.4km az=117.0

BUI 14 09:46:34.9, 6.60S, 154.50E, h36km, mb4.9/24, mb5.1/19, Ms4.9/8, Ms7.4/6/8
ISCJB 14 09:46:35.7, 0.3, 6.62S, 0.04x154.57E, 0.04, h48km, mb4.6/55, MS4.1/11, Error ellipse: s-maj=6.5km s-min=5.6km az=33.2

NEIC 14 09:46:36.2, 2.9, 6.56S, 154.50E, h37km, 4km, mb4.7/41, Error ellipse: s-maj=14.6km s-min=10.9km az=22.0
GCMT 14 09:46:38.2, 0.3, 6.63S, 0.03x154.57E, 0.03, h28km, 1km, MW5.0/63, Moment Tensor Solution, s31.c36, s63.c25; Duration: 0 Moment tensor: Scale 10^16Nm; Mr3.83c45; Mw-2.11; 14; Mw-1.71; 14; Mw1.91; 22; Mw1.45c; 09; Mw-1.77; 22; Best double couple: M4.44500x10^16 NP1.352.00000, s63.00000, s91.00000, NP2: s310.00000, s27.00000, s88.00000. Principal axes: T 4.6730, Plg72.0000, Azm44.0000; N -0.4470, Plg1.0000, Azm312.0000; P -4.2160, Plg18.0000, Azm221.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 14 09:46:37.8, 0.3, 6.65S, 0.06x154.51E, 0.05, h48km, n114, ms05/124, mb4.6/55, MS4.2/13, Bougainville-Solomon Islands region
Code Station Name Az AZZ Phase ID Time Res ISC

RABL Rabaul 3.31 315 Op P 09 47 28.4 +1.2
HNR Honiara 6.09 118 Pn Pn 09 47 57.9 -7.5
HNR 16nm, 0.3s, baz=224, slow=4.2, SNR=2.4, Sn S 09 49 19.3 +4.5
HNR baz=90, slow=18, SNR=3.1 LR 09 50 21.2

HNR comp-Z, 2um, 19.6s, baz=262, slow=39 LR 09 51 54.8
HNR comp-Z, 2um, 18.6s, baz=9.5, slow=1 LR 09 51 54.8
PMG Port Moresby 7.81 248 ePn Pn 09 48 28.8 -0.3
PMG 7.6nm, 0.3s, baz=49, slow=7.9, SNR=4.7 Sn S 09 49 59.4 +3.2
COEN Coen 13.36 236 ePn Pn 09 49 58.8 +3.6
JAY Jayapura 14.03 296 LR LR 09 55 47.8

CTA Charters Tower 15.66 210 Pn Pn 09 50 13.2 -2.2
CTA comp-Z, 540nm, 19.6s, baz=46, slow=6 LR 09 55 47.8
CTA Charters Tower 15.66 210 ePn Pn 09 50 18.7 -0.1
EIDS Eidsvold 19.00 190 eP P 09 50 54.6 -1.0
DZM Mont Dzumac 19.25 144 P P 09 50 57.6 -0.9
DZM 0.3nm, 0.3s, baz=347, slow=14, SNR=4.1 LR 09 57 22.6

DZM comp-Z, 601nm, 20.9s, baz=322, slow=34 LR 09 58 56.9
DZM comp-Z, 155nm, 20.4s, baz=148, slow=34 LR 09 58 56.9
FAKI Fak Fak 22.48 278 eP P 09 51 35.0 +1.6
WRAB Tennant Creek 23.67 234 eP P 09 51 44.4 -0.8
WB2 Warramunga Arr 23.67 234 eP P 09 51 44.2 -1.1
WR1 Warramunga Arr 23.68 234 eP S 09 55 59.1 +2.1
WR1 2.5nm, 0.3s, baz=221, slow=9.7, SNR=4.3 eScP 09 59 06.7 +3.3
WRA Warramunga Arr 23.68 234 S S 09 51 44.2 -1.1
WRA 1.9nm, 1.1s, baz=56, slow=18, SNR=3.7 ScP 09 55 59.1 +2.1

WRA 0.8nm, 1.0s, baz=49, slow=2.3, SNR=4.8 ScP 09 59 06.7 +3.3
WRA comp-Z, 678nm, 18.0s, baz=50, slow=38 LR 10 01 43.4
MTN Manton Dam 23.87 253 eP P 09 51 47.0 -0.1
SIJI Sorong 23.87 283 P P 09 51 47.6 +0.2
ARMA Armadale 23.89 186 eP P 09 51 47.6 +0.2

AS01 Alice Springs 26.08 227 eP P 09 52 05.7 -1.5
AS31 Alice Springs 26.11 227 eP P 09 52 06.0 -1.5
ASAR Alice Springs 26.11 227 P P 09 52 06.3 -1.2
ASAR 2.0nm, 0.9s, baz=59, slow=8.8, SNR=5.4 ScP 09 59 13.3 +3.2

H1S3 WAKE ISLAND Hy 27.64 26 T T 10 20 40.5
H1S2 WAKE ISLAND Hy 27.64 26 T T 10 20 55.3
H1S1 WAKE ISLAND Hy 27.65 26 T T 10 21 11.5
STKA Stephens Creek 27.93 204 P P 09 52 21.5 -2.1
STKA 2.5nm, 0.9s, baz=40, slow=15, SNR=1.6 ScP 09 59 20.5 +5.1

STKA 8.5nm, 1.1s, baz=66, slow=5.3, SNR=3.6 LR 10 03 55.4
STKA comp-Z, 429nm, 18.3s, baz=17, slow=37 LR 10 03 55.4
STKA Stephens Creek 27.93 204 eP P 09 52 21.9 -1.8
FITZ Fitzroy Crossi 30.40 245 eP P 09 52 44.8 -0.9

BBOO Buekleebo 31.26 211 eP P 09 52 50.2 -3.0
FORT Forrest 34.58 222 eP P 09 53 21.2 -1.0
NIUE Niue 36.75 113 eP P 09 53 41.5 +0.5
BKZ Black Stump Fm 38.04 152 eP P 09 53 52.7 +1.0
OXZ Oxford 39.74 160 eP P 09 54 07.7 +1.9

WHZ Wether Hill Ho 40.88 166 eP P 09 54 12.2 -3.0
MORW Morawa 43.43 234 eP P 09 54 27.6 -2.1
NWAO Narrogin (SRO) 43.43 228 LR LR 10 12 27.9
LEMB Lembar 46.56 267 LR LR 10 17 25.6
KSRS Korea Array 50.33 332 P P 09 55 29.7 -0.2
KSRS 3.3nm, 0.9s, baz=141, slow=9.1, SNR=5.5 LR 10 13 54.6

QIZ Qiongzong 50.83 301 P S 09 55 34.8 +0.8
QIZ 3.2nm, 0.9s LR 10 02 50.3 +3.3
QIZ comp-E, 200nm, 13.9s LR LR 09 55 36.5 -0.6
NJ2 Nanjing 51.27 321 eP Pmax 09 55 36.5 -0.6

ENH Enshi 56.59 313 eP P 09 56 16.1 +0.1
XAN Xi'an 59.06 316 eP P 09 56 32.5 -0.9

KMI Kunming 59.37 304 P P 09 56 37.4 +1.5
KMI comp-Z, 2.1nm, 1.1s LR LR 09 56 37.0 +1.1
KMI comp-Z, 82nm, 4.2s LR LR 09 56 37.0 +1.1

PETK Petropavlovsk 59.50 2 P P 09 56 35.5 -0.4
PEA1 Petropavlovsk 59.50 2 eP P 09 56 35.5 -0.5
CM11 Chiang Mai Arr 60.16 296 P P 09 56 42.2 +1.0
CMAR Chiang Mai Arr 60.16 296 P P 09 56 42.2 +1.0

CHTO Cheng Mai 60.28 296 eP P 09 56 42.7 +0.7
HHC Hu-ho-hao-te 61.46 324 eP Pmax 09 56 48.5 -1.2
HHC comp-Z, 28nm, 0.6s LR LR 09 57 05.9 +1.3

LZH Lanzhou 63.67 316 eP P 09 57 17.5 +1.3
LZH comp-Z, 28nm, 1.3s LR LR 09 59 30.4 +5.2
LZH comp-Z, 89nm, 4.8s LR LR 09 57 20.8 -1.1

GTA Gaotai 68.09 317 eP P 09 57 41.0 +8.0
GTA comp-Z, 5.0nm, 1.2s LR LR 09 57 50.9 +1.5
GTA comp-Z, 100nm, 5.7s LR LR 09 57 55.1 +2.2

SHL Shilong 68.66 301 eP P 09 57 38.0 +1.1
SONA Songoro Array 68.71 327 eP P 09 57 35.9 -0.8
LSA Lhasa 70.63 304 eP P 09 57 49.9 +0.6

VNDA Vanda 71.03 178 P P 09 57 49.9 -0.4
VNDA comp-Z, 1.1nm, 0.8s, baz=323, slow=6.4, SNR=4.8 LR LR 09 57 50.0 -0.3
TAPN Tapejlung 72.77 301 eP P 09 58 03.1 +1.1

RAM Ramite 73.60 301 eP P 09 58 07.3 +0.5
JIRN Jiri 74.15 301 eP P 09 58 10.9 +0.7
GUM Gumba 74.48 301 eP P 09 58 12.6 +0.5

PKI Pulchoki 74.79 301 eP P 09 58 14.0 +0.1
PKIN Phulchoki 74.79 301 eP P 09 58 14.0 +0.1
PALK Pallekele 74.90 279 P P 09 58 14.4 0.0

KKN Kakani 74.96 301 eP P 09 58 15.2 +0.5
DMN Daman 75.06 301 eP P 09 58 15.9 +0.6
KOLN Koldana 76.39 301 eP P 09 58 22.9 0.0

DANN Dangsing 76.40 301 eP P 09 58 22.8 -0.3
PIUHN Piuthan 76.99 301 eP P 09 58 26.1 -0.2
WMQ Urumqi 78.18 317 eP LR 09 58 33.4 +1.0
WMQ comp-Z, 230nm, 22.7s LR LR 09 58 33.4 +1.0

IM3 Indian Mountain 81.47 19 eP P 09 58 47.5 -2.2
MK01 Makanchi Array 82.75 319 eP P 09 58 55.6 -1.2
MK31 Makanchi Array 82.76 319 eP P 09 58 55.6 -0.3

IL1 Eielson Array 83.14 22 eP P 09 58 55.8 -2.6
ILAR Eielson Array 83.14 22 eP P 09 58 56.5 -1.9
ILB Eielson Array 83.14 22 eP P 09 58 56.4 -2.0

QSPA South Pole Qiz 83.42 180 eP P 09 58 58.6 -1.4
ZALV Zalesovo Beam 83.55 326 eP P 09 58 59.2 -1.5
ZALV comp-Z, 2.9nm, 0.9s, baz=97, slow=4.6, SNR=9.3 LR LR 09 58 59.2 -1.5

ZALV Zalesovo Array 83.55 326 eP P 09 58 59.2 -1.5
ZALV comp-Z, 2.4nm, 0.8s, baz=116, slow=9.8, SNR=2.7 LR LR 09 58 59.2 -1.5
DOT Dot Lake 83.65 23 eP P 09 59 00.0 -1.1

KDJ Kajisay 85.05 313 eP P 09 59 10.8 +1.9
KSH Kashi 85.36 310 P P 09 59 12.8 +2.4
KSH comp-Z, 3.5nm, 0.8s, baz=159, slow=5.7, SNR=5.1 LR LR 10 02 31.4 +2.4

NRL Naryn 85.75 312 eP P 09 59 13.8 +1.3
NRL comp-Z, 4.4nm, 1.0s LR LR 09 59 15.1 -0.3
EPYK Eagle Plains 87.04 22 eP P 09 59 20.5 -0.3

NRK Noril'sk 88.17 341 P P 09 59 22.2 -1.0
MWC Mount Wilson 91.52 56 eP P 09 59 39.9 -0.1
NVAR Mina Array Bea 91.83 52 P P 09 59 40.4 -0.9
NVAR comp-Z, 2.4nm, 0.9s, baz=249, slow=6.0, SNR=14 LR LR 09 59 40.4 -0.5

YKA Yellowknife Arr 96.17 28 P P 09 59 59.2 -1.2
YKB5 Yellowknife Arr 96.17 28 eP P 09 59 58.3 -2.1
PD31 Pinedale Arr 97.78 48 eP P 10 00 08.2 -4.6

PDAR Pinedale Array 97.78 48 P P 10 00 09.2 -3.7
GERES GERESE Array B 126.43 329 PKP PKPdf 10 05 34.9 -0.9
SDV Santo Domingo 135.22 84 PKP PKPdf 10 05 51.1 -2.4

PTGA Pitking 144.84 101 PKP PKPdf 10 06 10.8 +0.1
BDFB Brasilia 148.63 135 PKPbc PKPbc 10 06 19.0 -1.8
TORD Torodi Arr Bea 152.45 286 PKP PKPdf 10 06 22.0 -0.9

TOA1 Torodi Arr Sit 152.45 286 ePKPdf PKPdf 10 06 22.0 -0.9
TOA1 ePKPbc PKPbc 10 06 27.8 -2.1
IDC 14 09:51:05.9, 0.4, 15.41N-46.70W, h0km, mb4.5/40, mb1.4/6.42, mb1mx4.6/54, mbtmp4.5/42, ML4.3/2, MS4.0/35, Ms1.4/0.35, ms1mx3.9/49, Error ellipse: s-maj=12.9km s-min=9.5km az=150.0

MOS 14 09:51:06.8, 0.9, 15.53N-46.65W, h11km, mb5.3/82, Error ellipse: s-maj=5.9km s-min=5.3km az=56.4
ISCJB 14 09:51:06.3, 0.2, 15.41N, 0.03x46.64W, 0.02, h10km, mb5.0/281, MS4.1/37, Error ellipse: s-maj=4.3km s-min=2.3km az=179.9

NEIC 14 09:51:08.1, 1.1, 15.44N-46.64W, h10km, mb5.1/238, Error ellipse: s-maj=15.9km s-min=14.9km az=167.0
GCMT 14 09:51:11.1, 0.2, 15.61N, 0.02x46.64W, 0.01, h21km, MW5.0/91, Moment Tensor Solution, s31.c42, s91.c136; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-4.07c; 10; Mw-0.87c; 30; Best double couple: M4.10600x10^16 NP1.357.00000, s51.00000, s88.00000. Principal axes: T 4.0410, Plg6.0000, Azm96.0000; N 0.1300, Plg2.0000, Azm186.0000; P -4.1700, Plg84.0000, Azm289.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 14 09:51:08.0, 0.3, 15.45N, 0.05x46.65W, 0.05, h10km, n840, o888/833, mb5.1/282, MS4.1/38, 18C-10D, Northern Mid-Atlantic Ridge
Code Station Name Az AZZ Phase ID Time Res ISC

MDP Montagnes des 11.85 210 Pn Pn 09 53 56.1 -1.1
MDP 3.1nm, 0.3s, baz=16, slow=16, SNR=13 Sn S 09 55 57.0 -1.3
MDP 0.6nm, 0.3s, baz=261, slow=13, SNR=3.8 LR 09 57 43.4

BBGH Gun Hill 12.72 261 ePn Pn 09 54 12.2 +3.1
H05S1 Guadeloupe/Mar 17.25 268 Pn Pn 09 54 22.4 -0.7
H05S1 SNR=5.0 T 10 08 32.3
H05N1 Guadeloupe/Mar 13.89 276 T T 10 08 32.3

FDNF Fort de France 14.02 269 ePn Pn 09 54 27.7 +0.8
FDNF Fort de France 14.02 269 ePn Pn 09 54 27.7 +0.8
SVB Belmont 14.31 263 ePn Pn 09 54 30.8 +0.1
GRGR Belmont 14.94 269 ePn Pn 09 54 39.7 +0.8

MTP Monte Pirata 18.29 281 ePn P 09 55 24.0 +1.8
SJJG San Juan 18.86 281 P P 09 55 25.9 -2.6
SJJG 0.6nm, 0.3s, baz=119, slow=7.9, SNR=4.0 LR 10 01 40.4

SJJG comp-Z, 1um, 21.4s, baz=98, slow=34 LR 10 01 40.4
SJJG San Juan 18.86 281 eP P 09 55 28.5 +0.1
SJJG San Juan 18.86 281 eP Pmax 09 55 28.5 +0.1

OBIP Obispado Ponce 19.29 280 eP Pn 09 55 34.5 +0.3
PTGA Pitking 20.78 220 P P 09 55 49.4 0.0
PTGA comp-Z, 1.1nm, 0.8s, baz=42, slow=11, SNR=13 LR 10 03 00.4

PTGA comp-Z, 6.12nm, 21.2s, baz=41, slow=34 LR 09 55 48.9 -0.5
PTGA Pitking 20.78 220 eP P 09 55 48.9 -0.5
RCBR Riachuelo 23.67 152 eP P 09 56 21.3 +1.3
RCBR Riachuelo 23.67 152 eP Pmax 09 56 21.3 +1.3

ELOV Elorza 23.90 252 eP P 09 56 21.7 -0.5
ELOV Elorza 23.90 252 eP P 09 56 21.7 -0.5
SDV Santo Domingo 24.32 257 eP P 09 56 25.0 -1.3
SDV comp-Z, 4nm, 0.8s, baz=69, slow=4.4, SNR=18 LR 09 56 25.0 -1.3

SDV Santo Domingo 24.32 257 eP P 09 56 26.1 -0.3
TAMC Tame, Arauca 26.23 253 eP P 09 56 44.0 +0.5
TAMC Tame, Arauca 26.23 253 eP P 09 56 44.0 +0.5

PAMP Pamplona, Colo 26.75 255 eP P 09 56 50.0 +1.3
PAMP Pamplona, Colo 26.75 255 eP P 09 56 50.0 +1.3
OCAC Ocana 27.05 258 eP P 09 56 51.7 -0.7
OCAC Ocana 27.05 258 eP P 09 56 51.7 -0.7

GIRC Giron, Santand 27.30 255 eP P 09 56 51.7 -1.6
GIRC Giron, Santand 27.30 255 eP P 09 56 51.7 -1.6
SMLC San Martin de 27.59 259 eP P 09 56 55.1 -0.6
RUSC La Rusia 27.63 253 eP P 09 56 56.9 +0.3

RUSC La Rusia 27.63 253 eP P 09 56 56.9 +0.3
SJCC San Jacinto, C 28.36 262 eP P 09 57 02.9 +0.2
SJCC San Jacinto, C 28.36 262 eP P 09 57 02.9 +0.2
GUVG San Jose del G 28.63 246 eP P 09 57 03.7 -1.3
GUVG San Jose del G 28.63 246 eP P 09 57 03.7 -1.3

VILC Villavicencio, 28.89 250 eP P 09 57 08.0 +0.5
VILC Villavicencio, 28.89 250 eP P 09 57 08.0 +0.5
ROSC El Rosal 29.16 252 P P 09 57 08.9 -1.3
ROSC comp-Z, 4.0nm, 0.4s, baz=143, slow=18, SNR=3.1 LR 10 11 25.1

257A	baz=121 Bowman	35.53	306	P	P	09 58 05.7	+0.4		
157A	baz=112 Early Branch	35.54	303	P	P	09 58 05.8	+0.4		
BATG	baz=111 Bathurst New B	35.59	337	eP	P	09 58 06.5	+0.8		
556A	comp=Z,45nm,1.5s Lake Butler	35.85	300	P	P	09 58 08.4	+0.3		
POI	baz=106 Presque Isle	35.87	335	eP	P	09 58 09.2	+1.2		
356A	comp=Z,19nm,1.2s Blackshear	36.00	302	P	P	09 58 09.5	+0.1		
S57A	baz=108 Dark Hollow, R	36.16	314	P	P	09 58 11.3	+0.6		
V56A	baz=119 Mocksville	36.37	310	P	P	09 58 12.9	+0.4		
T56A	baz=115 Rocky Mt	36.57	312	P	P	09 58 14.9	+0.7		
455A	baz=117 Stateville	36.57	301	P	P	09 58 14.7	+0.4		
Y55A	baz=106 Saluda	36.66	307	P	P	09 58 15.5	+0.5		
155A	baz=112 Kite	36.69	304	P	P	09 58 15.8	+0.6		
X55A	baz=109 Gracelyn & Ava	36.69	308	P	P	09 58 15.6	+0.4		
KM5C	baz=112 Kings Mountain	36.72	309	eP	P	09 58 16.5	+1.0		
KM5C	comp=Z,44nm,1.8s Kings Mountain	36.72	309	eP	P	09 58 16.5	+0.1		
HODGA	baz=110 Hodges	37.08	307	eP	P	09 58 19.5	+0.9		
254A	comp=Z,22nm,1.3s Abbeville	37.14	303	P	P	09 58 19.3	+0.2		
O56A	baz=108 Blue Knob Stat	37.18	318	P	P	09 58 20.2	+0.8		
Z54A	baz=123 Sparta	37.19	305	P	P	09 58 20.1	+0.6		
154A	baz=110 Montrose	37.20	304	P	P	09 58 20.2	+0.6		
R55A	baz=109 Marlington	37.21	314	P	P	09 58 20.4	+0.7		
TIGA	baz=118 Tifton	37.23	302	P	P	09 58 20.6	+0.7		
S55A	baz=107 Lewisburg	37.24	313	P	P	09 58 20.5	+0.6		
Y54A	baz=118 Tignall	37.28	306	P	P	09 58 20.9	+0.6		
X54A	baz=111 Selton	37.28	307	P	P	09 58 20.9	+0.6		
W54A	baz=112 Cherokee Point	37.34	308	P	P	09 58 21.4	+0.6		
V54A	baz=113 Nebro	37.43	309	P	P	09 58 22.4	+0.8		
P55A	baz=114 Reedsville	37.61	316	P	P	09 58 24.1	+1.0		
U54A	baz=120 Nelsons Funny	37.64	311	P	P	09 58 24.0	+0.6		
T54A	baz=115 Tazewell	37.69	311	P	P	09 58 24.6	+0.8		
MCWV	baz=116 Mont Chateau	37.70	316	P	P	09 58 24.8	+1.0		
353A	baz=123 Camilla	37.72	302	P	P	09 58 24.8	+0.7		
N55A	baz=106 Marion Center	37.73	318	P	P	09 58 25.0	+1.0		
GOGA	baz=123 Godfrey	37.74	305	eP	P	09 58 25.6	+1.4		
GOGA	comp=Z,14nm,1.0s Godfrey	37.74	305	eP	P	09 58 25.6	+1.4		
GOGA	comp=Z,14nm,1.0s Godfrey	37.74	305	eP	P	09 58 25.0	+0.8		
R54A	baz=109 Victor	37.77	313	P	P	09 58 25.7	+1.3		
Z53A	baz=118 Monticello	37.78	305	P	P	09 58 25.3	+0.8		
253A	baz=110 Americus	37.85	303	P	P	09 58 26.2	+1.1		
BG3	baz=107 Lake Jocassee	37.88	308	eP	P	09 58 26.5	+1.2		
M55A	comp=Z,20nm,1.2s Ridgeway	37.96	319	P	P	09 58 27.3	+1.3		
Y53A	baz=124 Monroe	37.98	306	P	P	09 58 26.9	+0.6		
X53A	baz=110 Estanollee	37.98	307	P	P	09 58 27.1	+0.9		
LPAZ	baz=111 La Paz	38.00	215	P	P	09 58 27.0	-0.2		
LPAZ	comp=Z,5.0nm,0.9s,ba La Paz	38.00	215	eP	LR	10 13 24.0			
LPAZ	comp=Z,176nm,21.8s,ba La Paz	38.00	215	eP	LR	10 13 27.7	+0.5		
LPAZ	comp=Z,20nm,1.3s La Paz	38.00	215	eP	P	09 58 27.7	+0.5		
LPAZ	comp=Z,20nm,1.3s La Paz	38.00	215	eP	P	09 58 27.7	+0.5		
V53A	comp=Z,20nm,1.3s Saluda	38.04	309	eP	P	09 58 27.6	+0.8		
V53A	comp=Z,72nm,2.0s Saluda	38.04	309	P	P	09 58 27.5	+0.7		
W53A	baz=113 Cullowhee	38.12	308	P	P	09 58 28.2	+0.7		
U53A	baz=112 Fall Branch	38.13	310	P	P	09 58 28.7	+1.2		
L55A	baz=114 Hinsdale	38.16	321	P	P	09 58 28.9	+1.3		
252A	baz=125 Lumpkin	38.33	302	P	P	09 58 30.2	+1.0		
352A	baz=106 Blakely	38.34	301	P	P	09 58 29.9	+0.6		
S53A	baz=116 Williamson	38.35	312	P	P	09 58 30.2	+0.9		
T53A	baz=114 Wise	38.35	311	P	P	09 58 30.5	+1.0		
Y52A	baz=114 Liburn	38.36	305	P	P	09 58 30.1	+0.6		
452A	baz=109 Marianna	38.39	300	P	P	09 58 30.1	+0.4		
Z52A	baz=105 Williamson	38.42	304	P	P	09 58 30.9	+1.0		
N54A	baz=108 Moraine State	38.47	318	P	P	09 58 31.4	+1.1		
X52A	baz=122 Dahlongea	38.48	307	P	P	09 58 31.3	+0.9		
152A	baz=110 Waverly Hall	38.51	303	P	P	09 58 31.5	+0.8		
LATQ	baz=107 La Tuque	38.51	331	P	P	09 58 31.3	+0.8		
ORIO	baz=132 Orleans, Innes	38.51	327	P	P	09 58 31.4	+0.9		
R53A	baz=117 Hurricane	38.52	313	P	P	09 58 31.6	+0.9		
TRQ	baz=117 Mont Tremblant	38.54	329	eP	P	09 58 30.8	0.0		
P53A	baz=109 Whipple	38.66	315	P	P	09 58 32.2	+0.3		
V52A	baz=118 Sevierville	38.69	309	P	P	09 58 32.4	+0.2		
T52A	baz=112 Hallie	38.73	311	P	P	09 58 33.4	+0.8		
TKL	baz=114 Tuckaleechee C	38.76	308	LR	LR	10 12 42.0			
TKL	comp=Z,442nm,18.7s,ba Tuckaleechee C	38.76	308	eP	P	09 58 33.7	+0.9		
TKL	comp=Z,46nm,1.8s Tuckaleechee C	38.76	308	eP	P	09 58 33.7	+0.9		
TKL	comp=Z,46nm,1.8s Tuckaleechee C	38.76	308	eP	P	09 58 33.7	+0.9		
251A	comp=Z,46nm,1.8s Midway	38.90	302	P	P	09 58 34.4	+0.6		
O53A	baz=106 New Philadelph	38.91	316	P	P	09 58 34.6	+0.7		
TZTN	baz=120 Tazewell	38.93	310	eP	P	09 58 35.0	+0.9		
TZTN	comp=Z,42nm,1.5s Tazewell	38.93	310	P	P	09 58 34.5	+0.3		
N53A	baz=113 Lisbon	38.94	317	P	P	09 58 34.7	+0.5		
151A	baz=120 Opelika	38.96	303	P	P	09 58 34.8	+0.4		
O52A	baz=107 Bidwell	38.92	314	P	P	09 58 35.2	+0.4		
S52A	baz=117 Salyersville	39.04	312	P	P	09 58 35.5	+0.5		
Y51A	baz=115 Rockmart	39.16	305	P	P	09 58 36.7	+0.6		
U51A	baz=108 La Follette	39.21	309	P	P	09 58 37.1	+0.6		
V51A	baz=112 Loudon	39.25	308	P	P	09 58 37.1	+0.2		
O52A	baz=111 Adamsville	39.26	316	P	P	09 58 37.3	+0.4		
W51A	baz=119 Cleveland	39.34	307	P	P	09 58 38.3	+0.7		
H10N3	ASCENSION HYDR89.37 124	T	T	10 40 30.9					
H10N2	ASCENSION HYDR89.37 124	T	T	10 40 31.1					
T51A	baz=113 Gray	39.38	310	P	P	09 58 38.7	+0.8		
H10N1	ASCENSION HYDR89.39 124	T	T	10 40 32.4					
S51A	baz=114 Beaverville	39.39	311	eP	P	09 58 39.1	+1.1		
S51A	comp=Z,10nm,1.0s Beattyville	39.39	311	P	P	09 58 38.6	+0.6		
N52A	baz=114 McCinn's Farm,	39.50	317	P	P	09 58 39.7	+0.8		
150A	baz=120 Eclectic	39.54	303	P	P	09 58 40.1	+0.7		
TYNO	baz=106 Tyneside	39.54	321	P	P	09 58 39.4	+0.2		
250A	baz=105 Gradley	39.57	302	P	P	09 58 40.2	+0.5		
PEMO	baz=130 Pembroke	39.58	326	P	P	09 58 40.1	+0.7		
Z50A	baz=107 Ashland	39.65	304	P	P	09 58 40.6	+0.4		
M52A	baz=121 Chesterland	39.65	318	P	P	09 58 40.5	+0.4		
R51A	baz=115 Hillsboro	39.66	312	P	P	09 58 40.9	+0.7		
V50A	baz=115 Pikeville	39.77	308	P	P	09 58 41.9	+0.7		
W50A	baz=110 Signal Mountai	39.77	307	eP	P	09 58 42.1	+0.8		
W50A	comp=Z,29nm,1.4s Signal Mountai	39.77	307	P	P	09 58 42.1	+0.8		
X50B	baz=110,SNR=5.6 Fort Payne	39.80	306	P	P	09 58 42.1	+0.6		
Q51A	baz=116 Peebles	39.80	313	eP	P	09 58 41.9	+0.5		
Q51A	comp=Z,14nm,1.1s Peebles	39.80	313	P	P	09 58 42.0	+0.5		
U50A	baz=112 Jamestown	39.84	309	P	P	09 58 42.4	+0.6		
H10S3	ASCENSION HYDR89.90 125	T	T	10 41 08.7					
H10S1	ASCENSION HYDR89.91 125	T	T	10 41 09.0					
H10S2	ASCENSION HYDR89.92 125	T	T	10 41 10.0					
S50A	baz=113 Richmond	40.00	311	P	P	09 58 43.8	+0.7		
E54A	baz=130 Lac Daplat, Po	40.04	327	P	P	09 58 44.0	+0.8		
T50A	baz=122 Nancy	40.06	310	P	P	09 58 43.8	+0.2		
M51A	baz=120 Elyria	40.08	317	P	P	09 58 44.5	+0.8		
ACSO	baz=124 Alum Creek Sta	40.09	315	P	P	09 58 44.9	+1.1		
Z49A	baz=106 Columbiana	40.12	303	P	P	09 58 44.6	+0.4		
SWET	baz=106 Sewanee	40.26	307	eP	P	09 58 46.5	+1.2		
Z49A	comp=Z,25nm,1.3s Garden	40.28	301	P	P	09 58 46.1	+0.6		
X49A	baz=104 Woodville	40.34	305	P	P	09 58 46.5	+0.5		
P50A	baz=108 Jamestown	40.37	314	P	P	09 58 46.8	+0.7		
V49A	baz=116 McMinnville	40.42	307	P	P	09 58 47.4	+0.7		
LRAL	baz=110 Lakeview Retre	40.45	303	eP	P	09 58 47.9	+1.1		
LRAL	comp=Z,19nm,1.3s Lakeview Retre	40.45	303	P	P	09 58 47.5	+0.6		
N50A	baz=106 Nevada	40.45	316	P	P	09 58 47.2	+0.4		
NNA	baz=118 Nana	40.45	229	LR	LR	10 15 06.0			
W49A	comp=Z,303nm,21.9s,ba Belvidere	40.48	306	P	P	09 58 47.4	+0.3		
PLIO	baz=109 Pelle Island,	40.58	317	P	P	09 58 48.1	+0.3		
U49A	baz=120 Red Boiling Sp	40.58	309	P	P	09 58 48.4	+0.4		
PCVE	baz=111 Castro View	40.61	50	eP	P	09 58 49.3	+1.2		
T49A	comp=Z,39nm,1.4s Edmonton	40.61	310	eP	P	09 58 49.2	+1.0		
T49A	comp=Z,50nm,1.8s Edmonton	40.61	310	P	P	09 58 48.6	+0.4		
M50A	baz=113 Fremont	40.68	317	P	P	09 58 49.1	+0.4		
S49A	baz=119 Springfield	40.69	311	P	P	09 58 49.2	+0.4		
R49A	baz=113 Shelbyville	40.80	311	P	P	09 58 50.1	+0.4		
Y48A	baz=113 Jasper	40.83	304	P	P	09 58 50.2	+0.2		
Q49A	baz=107 Aurora	40.89	313	P	P	09 58 51.1	+0.6		
X48A	baz=114 Hartselle								



SLM	Saint Louis	44.63 310	eP	P	09 59 20.8	0.0
SLM	Saint Louis	44.63 310	eP	P	09 59 20.8	0.0
M43A	Waltham Townsh	44.71 314	P	P	09 59 21.5	+0.1
Q42A	Golden Eagle	44.94 310	P	P	09 59 23.3	0.0
P42A	Winchester	45.02 311	eP	P	09 59 24.0	0.0
P42A	Winchester	45.02 311	P	P	09 59 23.9	0.0
O42A	Bath	45.04 312	P	P	09 59 24.1	0.0
UALR	University of	45.19 304	eP	P	09 59 25.4	+0.1
CCM	Cathedral Cave	45.20 309	eP	P	09 59 25.5	+0.1
CCM	Cathedral Cave	45.20 309	eP	P	09 59 25.5	+0.1
CCM	Cathedral Cave	45.20 309	P	P	09 59 25.5	+0.1
W41B	Gary Mavity, V	45.21 304	eP	P	09 59 25.3	-0.2
W41B	Gary Mavity, V	45.21 304	P	P	09 59 25.2	-0.2
N42A	Yates City	45.23 313	P	P	09 59 25.7	+0.2
Z41A	Richland Creek	45.23 302	P	P	09 59 25.4	-0.3
U41A	Viola	45.24 306	P	P	09 59 25.2	-0.5
WHAR	Woolly Hollow	45.27 305	eP	P	09 59 25.9	-0.1
R41A	Rosebud	45.38 309	P	P	09 59 26.6	-0.2
L42A	Oliver, Polo	45.41 314	P	P	09 59 27.4	+0.4
F43A	Flat Rock, Esc	45.43 320	P	P	09 59 27.3	+0.2
S41A	Jilco Farms,	45.45 308	P	P	09 59 27.0	-0.4
K42A	Prairie Point,	45.50 316	P	P	09 59 27.6	0.0
X40A	Basin Creek Fa	45.52 303	eP	P	09 59 28.4	+0.5
X40A	Basin Creek Fa	45.52 303	P	P	09 59 27.7	-0.3
J42A	Columbus	45.57 316	P	P	09 59 28.5	+0.3
WLAR	White Oak Lake	45.57 302	eP	P	09 59 29.6	+1.2
E43A	Lone Tree Farm	45.59 321	P	P	09 59 28.6	+0.3
O41A	Passleys Farm,	45.59 312	P	P	09 59 28.3	-0.2
I42A	Draeger Farm,	45.67 317	P	P	09 59 29.2	+0.2
H42A	Shiocton	45.68 318	P	P	09 59 29.4	+0.3
N41A	Harden Midland	45.77 312	eP	P	09 59 29.6	-0.3
M41A	Milan	45.79 313	P	P	09 59 29.6	-0.4
G42A	Mountain	45.94 319	P	P	09 59 31.2	+0.3
U40A	Yellville	45.97 306	P	P	09 59 30.8	-0.8
L41A	Preston	46.01 314	P	P	09 59 31.8	+0.1
K41A	Shullsburg	46.08 315	P	P	09 59 32.2	-0.1
MIAR	Mount Ida	46.13 303	eP	P	09 59 33.5	+0.7
MIAR	Mount Ida	46.13 303	eP	P	09 59 33.5	+0.7
MIAR	Mount Ida	46.13 303	P	P	09 59 32.8	0.0
JFWS	Jewell Farm	46.16 315	P	P	09 59 33.2	+0.3
J41A	Loganville	46.18 316	P	P	09 59 33.4	+0.3
N40A	Mertquake, Sal	46.35 312	P	P	09 59 34.1	-0.3
I41A	Arkdale	46.36 317	eP	P	09 59 34.6	+0.1
I41A	Arkdale	46.36 317	P	P	09 59 34.7	+0.2
G41A	Antigo	46.41 319	P	P	09 59 34.9	+0.1
W39A	Magazine	46.44 304	eP	P	09 59 35.9	+0.7
W39A	Magazine	46.44 304	P	P	09 59 35.3	+0.1
M40A	Post Highland	46.48 313	P	P	09 59 35.1	-0.4
L40A	Anamosa	46.51 314	P	P	09 59 35.9	+0.2
NATX	Nacogdoches	46.51 299	eP	P	09 59 36.9	+1.1
F41A	Three Lakes	46.59 319	eP	P	09 59 36.5	+0.2
F41A	Three Lakes	46.59 319	P	P	09 59 36.6	+0.4
K40A	Colesburg	46.69 315	P	P	09 59 36.8	-0.2
I40A	Norwalk	46.79 316	P	P	09 59 38.2	+0.4
TOA1	Torodi Ar. Sit	46.82 86	eP	P	09 59 37.0	-1.5
TOA0	Torodi Ar. Sit	46.83 86	eP	P	09 59 38.2	-0.3
TORD	Torodi Ar. Bea	46.83 86	P	P	09 59 37.0	-1.5
TORD	Torodi Ar. Bea	46.83 86	P	P	10 17 44.5	
H40A	Chil	46.94 317	P	P	09 59 39.4	+0.4
L39A	Vinton	47.08 314	P	P	09 59 40.4	+0.3
G40A	Rib Lake	47.08 318	P	P	09 59 40.3	+0.2
K39A	Oelwein	47.20 314	P	P	09 59 40.8	-0.2
J39A	Decorah	47.31 315	P	P	09 59 41.7	-0.2
I39A	Houston	47.38 316	P	P	09 59 42.5	0.0
E40A	Wakefield	47.40 320	P	P	09 59 43.0	+0.4
H39A	Augusta	47.54 317	P	P	09 59 44.0	+0.3
C40A	Isle Royale Na	47.61 322	P	P	09 59 44.6	+0.5
G39A	Holcombe	47.71 318	P	P	09 59 45.3	+0.3
E39A	Mellen	47.78 320	P	P	09 59 45.9	+0.4
F39A	Loretta	47.81 319	P	P	09 59 45.8	+0.1
SCIA	State Center	47.85 313	eP	P	09 59 46.1	0.0
G38A	Ridgeland	48.11 318	P	P	09 59 47.9	-0.1
TUL1	Leonard	48.19 305	eP	P	09 59 48.5	-0.3
TUL1	Leonard	48.19 305	P	P	09 59 48.6	-0.3
F38A	Pierce - Schro	48.44 319	P	P	09 59 50.7	+0.1
SPMN	Marine on St.	48.75 317	eP	P	09 59 53.3	+0.3
SPMN	Marine on St.	48.75 317	P	P	09 59 53.0	0.0
F37A	Hinrichs Farm,	48.83 318	P	P	09 59 53.7	+0.2
435B	Jarrell	48.87 297	P	P	09 59 53.7	-0.5
WHTX	Lake Whitney,	48.90 299	eP	P	09 59 54.6	+0.2
WHTX	Lake Whitney,	48.90 299	P	P	09 59 54.4	0.0
KSU1	Kansas State U	49.53 308	P	P	09 59 58.9	-0.2
TAM	Tamanrasset	49.63 73	eP	P	10 00 02.0	+1.7

TAM	Tamanrasset	49.63 73	eP	P	10 00 02.0	+1.7
TAM	Tamanrasset	49.63 73	eP	P	10 00 02.0	+1.7
833A	Chaparral WMA,	50.24 294	eP	P	10 00 04.4	-0.3
833A	Chaparral WMA,	50.24 294	P	P	10 00 04.2	-0.4
WMOK	Wichita Mounta	50.38 302	eP	P	10 00 05.3	-0.4
WMOK	Wichita Mounta	50.38 302	eP	P	10 00 05.3	-0.4
WMOK	Wichita Mounta	50.38 302	P	P	10 00 04.8	-0.9
FRB	Fröbisher Bay	50.58 348	P	P	10 00 06.7	+0.1
FRB	Fröbisher Bay	50.58 348	P	P	10 19 01.2	
JCT	Junction City	50.74 297	eP	P	10 00 08.0	-0.5
JCT	Junction City	50.74 297	eP	P	10 00 08.0	-0.5
JCT	Junction City	50.74 297	P	P	10 00 07.5	-1.0
ECSD	EROS Data Cent	50.80 314	eP	P	10 00 08.0	-0.6
ECSD	EROS Data Cent	50.80 314	P	P	10 00 07.9	-0.8
ABTX	Abilene, Hawle	50.81 300	eP	P	10 00 08.3	-0.7
ABTX	Abilene, Hawle	50.81 300	P	P	10 00 08.1	-0.8
SFJD	Kangerlussuaq	51.57 358	LR	LR	10 18 01.8	
AGMN	Agassiz Nation	51.85 320	eP	P	10 00 15.9	-0.6
AGMN	Agassiz Nation	51.85 320	P	P	10 00 15.7	-0.7
CBKS	Cedar Bluff	51.85 307	eP	P	10 00 16.7	0.0
CBKS	Cedar Bluff	51.85 307	eP	P	10 00 16.7	0.0
BORG	Borgarnes	52.19 13	LR	LR	10 17 15.0	
ULM	Lac du Bonnet	52.61 322	eP	P	10 00 20.5	-1.5
ULM	Lac du Bonnet	52.61 322	eP	P	10 00 20.8	-1.3
ULM	Lac du Bonnet	52.61 322	eP	P	10 00 20.8	-1.3
ULM	Lac du Bonnet	52.61 322	eP	P	10 00 23.2	-0.4
ZAIG	Zacatecas	53.08 287	eP	P	10 00 27.0	+0.7
ROCI	El Roble	53.49 206	eP	P	10 00 29.2	+0.2
BNI	Bardonecchia	53.49 45	eP	P	10 00 30.2	+1.4
BNI	Bardonecchia	53.49 45	eP	P	10 00 30.2	+1.4
MSTX	Muleshoe	53.56 301	eP	P	10 00 29.0	-0.6
MSTX	Muleshoe	53.56 301	P	P	10 00 28.9	-0.6
KEST	Kesra	53.65 57	eP	P	10 00 30.8	+0.7
KEST	Kesra	53.65 57	eP	P	10 20 43.8	
KEST	Kesra	53.65 57	eP	P	10 00 30.7	+0.6
DOU	Dourbes	53.75 39	↑P	P	10 00 30.0	-0.5
LTX	Lajitas	54.03 295	eP	P	10 00 32.7	-0.3
LTX	Lajitas	54.03 295	eP	P	10 00 32.7	-0.3
TXAR	Lajitas Array	54.03 295	eP	P	10 00 32.7	-0.3
TXAR	Lajitas Array	54.03 295	eP	P	10 01 37.4	-0.7
TXAR	Lajitas Array	54.03 295	eP	P	10 22 21.0	
MDND	Maddock	54.06 318	eP	P	10 00 32.5	-0.3
MDND	Maddock	54.06 318	P	P	10 00 32.2	-0.6
BCLA	Bla Hills	54.29 38	↑P	P	10 00 35.0	+0.6
WLF	Wallerfange	54.55 39	↑P	P	10 00 36.9	+0.7
MEM	Memph	54.78 38	↑P	P	10 00 40.0	+0.3
BFO	Black Forest	55.50 42	↑P	P	10 00 45.0	+1.8
FCC	Fort Churchill	55.54 332	eP	P	10 00 43.0	-0.2
FCC	Fort Churchill	55.54 332	eP	P	10 00 43.1	-0.2
MNTX	Cornudas Mount	55.59 298	eP	P	10 00 43.5	-0.7
MNTX	Cornudas Mount	55.59 298	P	P	10 00 43.6	-0.6
TUE	Stuetta	55.66 44	eP	P	10 00 44.9	+0.2
HPG	Divide	55.77 292	eP	P	10 00 45.9	+0.1
Q24A	Divide	56.04 307	eP	P	10 00 47.5	-0.1
Q24A	Divide	56.04 307	P	P	10 00 47.7	+0.1
RSSD	Bla Hills	56.09 313	eP	P	10 00 46.8	-0.9
RSSD	Black Hills	56.09 313	eP	P	10 00 46.8	-0.9
DAVOX	Davos/Dischmat	56.10 44	P	P	10 00 47.2	-0.5
SDCO	Great Sand Dun	56.17 305	eP	P	10 00 49.0	+0.4
SDCO	Great Sand Dun	56.17 305	P	P	10 00 48.5	-0.1
DAVA	Damuels	56.22 43	eP	P	10 00 49.6	+1.0
ISCO	Idaho Springs	56.51 308	eP	P	10 00 51.6	+0.6
ISCO	Idaho Springs	56.51 308	eP	P	10 00 51.6	+0.6
ISCO	Idaho Springs	56.51 308	P	P	10 00 51.5	+0.6
PHWY	Pilot Hill	56.61 309	eP	P	10 00 51.9	+0.2
ANMO	Albuquerque	56.68 302	eP	P	10 00 52.8	+0.7
ANMO	Albuquerque	56.68 302	eP	P	10 00 52.8	+0.7
TASM	ASL Pad, Albuq	56.68 302	P	P	10 00 52.1	-0.1
TASM	ASL Pad, Albuq	56.68 302	P	P	10 00 52.1	-0.1
FETA	Feichten	56.72 44	eP	P	10 00 53.0	+0.9
BNM	Barren Site	56.77 301	eP	P	10 00 53.1	+0.3
RETA	Reutte	56.85 43	eP	P	10 00 53.9	+1.0
N23A	Red Feather La	56.91 309	eP	P	10 00 54.7	+0.9
N23A	Red Feather La	56.91 309	P	P	10 00 53.3	-0.5
CLTB	Caltabellotta	56.95 55	eP	P	10 00 54.8	+0.9
MOTA	Moosalm	57.04 43	eP	P	10 00 54.9	+0.5
LENM	Lenmit	57.05 301	eP	P	10 00 55.7	+1.9
SQTA	Sanct Quirin	57.09 43	eP	P	10 00 55.2	+0.5
DGMT	Dagmar	57.18 318	eP	P	10 00 54.9	-0.3
DGMT	Dagmar	57.18 318	P	P	10 00 55.2	0.0
LAZ	Ladron	57.20 301	eP	P	10 00 56.7	+0.8
S22A	4UR Ranch, Cre	57.21 305	P	P	10 00 56.1	0.0
SUMG	Summit	57.32 3	eP	P	10 00 56.6	+0.4
SUMG	Summit	57.32 3	eP	P	10 00 56.6	+0.4

SUMG	Summit	57.32 3	eP	P	10 00 56.6	+0.4
SUMG	Summit	57.32 3	eP	P	10 00 56.6	+0.4
WTTA	Wattenberg	57.38 43	eP	P	10 00 57.2	+0.4
SMCO	Snowmass	57.48 307	eP	P	10 00 56.7	-1.2
K22A	Casper	57.60 311	eP	P	10 00 57.3	-1.2
K22A	Casper	57.60 311	P	P	10 00 57.9	-0.6
121A	Cookes Peak, D	57.65 299	P	P	10 00 58.2	-0.9
AQU	L'Aquila	57.69 49	eP	P	10 00 59.9	+0.9
FFC	Flin Flon	57.73 326	eP	P	10 00 58.5	-0.5
FFC	Flin Flon	57.73 326	eP	P	10 00 58.5	-0.5
ABTA	Abfattersbach	57.85 44	eP	P	10 01 00.4	+0.3
VAE	Valguarnera	57.89 55	LR	LR	10 24 27.0	
LAO	LASA Array	58.12 316	eP	P	10 01 01.8	-0.1
LAO						



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Purkeypille, Redoubt South, Kodiak Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONM Sogino Array, KURK Kurchatov, GEYT Alibeeck, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MRZ Mangatainaka R, NEIC 14 10:38:11.9, etc.

IDC 14 09:55:31.0, 0.8, 12.89N:93.23E, h0km, mb4.0/12, mb1.4/0.13, mb1mx3.8/53, mbtmp3.9/13, ML3.4/3.1, MS3.1/3, MS1.3/2.3, ms1mx2.9/48, Error ellipse: s-maj=29.3km s-min=17.3km az=62.0

ISCJB 14 09:55:33.8, 0.5, 12.83N:0.06:93.18E:0.06, h32km, mb4.0/22, MS3.4/1, Error ellipse: s-maj=9.3km s-min=7.2km az=42.5

NEIC 14 09:55:42.7, 1.2, 13.03N:93.44E, h94km, 5km, mb4.1/9, Error ellipse: s-maj=24.5km s-min=12.5km az=79.0

ISC 14 09:55:35.8, 0.7, 12.94N:0.09:93.08E:0.07, h32km, n58, s=191/55, mb4.1/22, Andaman Islands region

WEL 14 10:05:24.2, 1.3, 35.57S:17.91E:1.7, h33km, ML3.8/11, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MXZ Mataooka Point, WMXZ Waioamatatini S, HAZ Te Kaha, etc.

IDC 14 10:52:21.8, 3.6, 29S:153.48E, h114km, 54km, mb3.4/2, mb1.3/8, mb1mx3.2/45, mbtmp3.9/4, MS3.5/2, MS1.3/5.2, ms1mx2.9/21, Error ellipse: s-maj=96.6km s-min=56.1km az=110.0, New Britain region

IDC 14 10:52:21.8, 3.6, 29S:153.48E, h114km, 54km, mb3.4/2, mb1.3/8, mb1mx3.2/45, mbtmp3.9/4, MS3.5/2, MS1.3/5.2, ms1mx2.9/21, Error ellipse: s-maj=96.6km s-min=56.1km az=110.0, New Britain region

IDC 14 10:59:06.7, 1.2, 28.34N:51.72E, h0km, mb3.7/5, mb1.3/8, mb1mx3.5/44, mbtmp3.7/7, ML2.6/2, Error ellipse: s-maj=49.2km s-min=24.3km az=41.0

THR 14 10:59:07.4, 28.48N:51.45E, h24km, ML3.7, ISCJB 14 10:59:08.4, 0.6, 28.35N:0.04:51.59E:0.07, h24km, mb3.7/5, Error ellipse: s-maj=51.51E, h7km s-min=4.7km az=154.6

TEH 14 10:59:08.4, 28.44N:51.51E, h7km, ML3.5, DSN 14 10:59:10.5, 1.0, 28.46N:51.88E, h10km, ML3.5/6, Error ellipse: s-maj=23.5km s-min=5.4km az=19.0

ISC 14 10:59:10.2, 0.8, 28.37N:0.06:51.60E:0.07, h24km, n37, s=190/40, mb3.7/5, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MRZ Mangatainaka R, NEIC 14 10:59:06.7, etc.



14d 12h

Table with columns: TXAR, Lajitas Array, 55.79 296 P, P, 12 15 43.1 -0.7, etc. Includes various astronomical observations like MNTX, HPIG, GO06, ISCO, BNM, PLCA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like JIKH, JIKH, JIO, etc.

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Table with columns: JRY, Ryogami san, 4.25 246 P, Pn, 12 09 53.9 -0.5, etc. Includes entries like MJAR, MJAR, MAT, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like PNIG, PNIG, TLIG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like GHIR, GHIR, SHI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like IPAR, IPAR, KLNJ, etc.

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

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Table with columns: ASUD, AI Ashush, Dub, 4.73 138 ePn, Pn, 12 33 30.6 +1.3, etc. Includes entries like MSFE, MSFE, MSFE, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like BR101, BR101, BR101, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like KKK31, KKK31, KKK31, etc.

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



Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAKZ Makanchi, KURBB Kurchatov Arra, KURB Kurchatov, MK01 Makanchi Array, etc.

IDC 14 12:49:03.0,25.0,20.49S-67.93E,h0km,mb3.5/4, mb1 3.7/4,mb1mx3.4/31,mbtmp3.5/4, Error ellipse: s-maj=857.4km s-min=35.5km az=54.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, MKAR Makanchi Array, ZALV Zalesovo Beam, ISK 14 12:55:30.9, 35.71N-28.72E, etc.

IDC 14 12:57:52.7,1.8,7.91S-124.10E,h0km,mb3.4/1, mb1 3.6/3,mb1mx3.4/23,mbtmp3.4/3,ML3.3/2, Error ellipse: s-maj=193.3km s-min=29.9km az=58.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Alice Springs, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, ISCJB 14 12:57:57.4, 1.1, 22.33S-122.33W, etc.

IDC 14 13:05:53.9,5.6,6.67S-144.12E,h0km,mb3.3/3, mb1 3.5/3,mb1mx3.3/22,mbtmp3.3/3, Error ellipse: s-maj=167.5km s-min=37.9km az=112.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MJAR Matsushiro Arr, SONM Songo Arr, ZALV Zalesovo Beam, MKAR Makanchi Array, FINES FINESS Array B.

IDC 14 13:09:25.4,29.87S-177.08W,h0km,mb3.8/3, mb1 4.0/4,mb1mx3.7/45,mbtmp3.8/4,ML3.4/1, Error ellipse: s-maj=90.5km s-min=23.6km az=73.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, RAO Raoul Island, URZ Urewhera, URZ Urewhera, RPZ Rata Peaks, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, MOS 14 13:24:59.1, 0.9, 37.55N-141.37E, etc.



GCMT 14 13:25:04.3 0.1, 37.58N, 0101.141, 45E, 0101, h52km, MW5, 4/112, Moment Tensor Solution. s97.c180; s112.c217. Duration: 1s2. Moment tensor: Scale 1017 Nm; Mv: 1.27±.03; M0: 0.25±.02; M0: 1.02±.02; M0: 0.46±.02; M0: 0.41±.02; M0: 0.84±.02; Best double couple: M0: 1.56200x1017 NP1: 26.00000, 864.00000, 7.92.00000. NP2: 26.00000, 826.00000, 7.85.00000. Principal axes: T: 1.6010, P1g71.0000, Azm302.0000; N: -0.0790, P1g2.0000, Azm205.0000; P: -1.5240, P1g19.0000, Azm114.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 14 13:25:02.1 0.3, 37.56N, 0103.141, 39E, 0103, h53km, 2km, h53km; p-P, n1113, t135/1220, mb5.2/337, MS4.8/80, 64C-72D, Near east coast of eastern Honshu

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

Table with columns: YSS, Yuzh-Sakhalins, 9.44, 6l, eP, Pn, Sn, pmax. Lists seismic stations and their recorded data for the event.

Table with columns: BJT, Taipei, 21.08, 239, eP, P, Pmax, Pmax. Lists seismic stations and their recorded data for the event.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GYA, MOY, CD2, and ZALV.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZALV, CM31, CMAR, and KAPI.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KAPI, RAMM, JIRN, and BRZS.





Table with columns for call sign, frequency, power, and other technical details. Includes entries like DPC Dobruska-Polom, KRLC Kraliky, and many others.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like KHC KHC, W18A Petrified Forest, and many others.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like TIAR Tiarei, 121A Cookies Peak, and many others.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Tubuai, Yates City, Waltham Townsh, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Adamsville, Williamsport, Williams State, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RABL Rabaul, HNR Honiara, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ILAR Eielson Array, YKA Yellowknife Ar, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DRGR, ALU, SUDU, etc. Includes stations like La Plagne, Roseland, Trieste, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DRGR, ALU, SUDU, etc. Includes stations like Yambol, Dimitrovgrad, Kurdzhali, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DRGR, ALU, SUDU, etc. Includes stations like Alushta, Sudaq, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DRGR, ALU, SUDU, etc. Includes stations like BHL, DHLL, Deir Qamar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DRGR, ALU, SUDU, etc. Includes stations like Port Moresby, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DRGR, ALU, SUDU, etc. Includes stations like KSP, UPice, DPC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DRGR, ALU, SUDU, etc. Includes stations like Matsushiro Arr, JUNU, etc.

ISCJB 14 14:20:37.0,0.8,3.5N,0.2,124.8E,0.4,h300km,mb3.1/7, Error ellipse: s-maj=60.6km s-min=14.4km az=164.2

IDC 14 14:20:38.5,5.5,3.50N,124.81E,h297km,mb2.8/7, mb1 3.0/7, mb1mx2.8/36, mbtmp3.5/7, Error ellipse: s-maj=60.5km s-min=14.5km az=70.0

ISC 14 14:20:38.6,0.9,3.5N,0.2,124.8E,0.4,h300km,n7, o#534/9,mb3.17,Celebes Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, FITZ, WRA, WRA, ASAR, STKA, SONM, MKAR, ILAR, etc.

SOF 14 14:30:45.8,4.2,14N,26.29E,h2km,MD3.0 DDA 14 14:30:46.3,4.2,18N,26.31E,h23km,2km,ML3.2

ATH 14 14:30:47.3,4.2,17N,26.27E,h28km,13km,ML3.1/5, Error ellipse: s-maj=14.7km s-min=5.2km az=53.0

ISK 14 14:30:47.2,4.2,21N,26.39E,h5km,ML3.4/21 THE 14 14:30:48.3,4.2,12N,26.31E,h6km,ML3.2/5, Error ellipse: s-maj=1.7km s-min=0.6km az=23.0

ISCJB 14 14:30:49.9,0.2,4.2,17N,0.2,124.8E,0.02,h33km, Error ellipse: s-maj=2.5km s-min=2.4km az=4.7

ISC 14 14:30:46.6,1.1,4.2,18N,0.02,26.26E,0.02,h1km,10km, n119, o#1900/135,14C-12D,Bulgaria

ISCJB 14 14:33:36.9,0.8,3.378N,0.04,35.79E,0.06,h12km,9km, Error ellipse: s-maj=8.9km s-min=5.4km az=158.3

GRAL 14 14:33:38.1,0.3,3.378N,35.77E,h3km,6km,MD2.8 NSSC 14 14:33:38.9,0.5,3.371N,35.86E,h7km,2km,ML 1.4

ISC 14 14:33:36.7,1.2,3.330N,0.04,35.78E,0.06,h14km,13km, n8, o#3915, Jordan-Syria region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, BHL, DHLL, Deir Qamar, etc.

IDC 14 14:37:42.9,10.0,7.675S,154.11E,h145km,72km,mb2.9/3, mb1 3.0/4, mb1mx2.9/24, mbtmp3.4/4, Error ellipse: s-maj=88.3km s-min=42.9km az=104.0, Bougainville-Solomon Islands region

ISC 14 14:41:51.7,1.7,5.135N,0.08,16.24E,0.05,h0km,n12, o#772/23, Poland

ISCJB 14 14:55:41.6,0.8,2.19N,0.1,143.11E,0.2,h250km,mb3.2/9, Error ellipse: s-maj=23.4km s-min=13.8km az=165.2

IDC 14 14:55:43.9,5.0,2.190N,142.97E,h254km,49km, mb3.0/10, mb1 3.2/12, mb1mx3.1/34, mbtmp3.7/12, Error ellipse: s-maj=13.5km s-min=13.4km az=89.0

ISC 14 14:55:43.3,0.8,2.19N,0.1,143.0E,0.2,h250km,n14, o#671/4,mb3.2/9,Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, MJAR, JUNU, KSRS, SONM, WRA, ASAR, ZALV, MKAR, ILAR, YKA, FINES, NVAR, PLCA, LPAZ, etc.

ISCJB 14 15:10:33.8,0.6,12.52N,0.06,88.22W,0.04,h62km,6km, mb3.9/8, Error ellipse: s-maj=10.5km s-min=3.9km az=29.4

UCR 14 15:10:34.4,1.7,12.54N,88.22W,h36km,474km,ML4.0 IDC 14 15:10:36.3,2.1,12.62N,87.98W,h75km,21km,mb3.6/8, mb1 3.9/10, mb1mx3.6/36, mbtmp3.9/10, Error ellipse: s-maj=44.6km s-min=14.6km az=45.0

ISC 14 15:10:34.8,1.3,12.56N,0.08,88.22W,0.05,h56km,11km, n41, o#85/58,mb3.9/8, Off coast of Central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, CSGN, CSNG, CNCH, etc.

14d 15h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LCND La Caada, LCN La Cayo, VSM San Miguel, etc.

CRNET 14:15:12.45.3.0.1, 42.55N:79.58E, h13km, mb2.5
SOME 14:15:12.45.4, 42.53N:79.68E, h25km
NMC 14:15:12.45.6.0.9, 42.58N:79.60E, h0km, mb2.8, mpv2.7

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

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Main table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURS Kuram, KURS Kuram, KURS Kuram, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LAO LASA Array, LAO LASA Array, LAO LASA Array, etc.

Table with columns: Call Sign, Name, Frequency, Power, Direction, and other technical details. Includes call signs like DBBC, CODC, SDV, SDV, PRAC, SJAC, PLMC, GUVG, YOTC, SOLC, SMRC, BETC, MARP, MALC, PCON, FLOC, FLOC, GCUF, BCIP, OTAV, BANI, SDD, MTDJ, SDDR, JTS, JTS, PCDR, ICMP, OBIP, SJG, GTBY, EMPR, HUMP, MTP, CDVI, CUPR, STVI, GRTK, ATAH, PTGA, 059A, LPAZ, 658A, 657A, 656A, 557A, 655A, 455A, 454A, 453A, 353A, 351A, Z58A, Z57A, 154A, 252A, Y60A, 251A, Z54A, 250A, 152A, 151A, Z53A, GOGA, Y55A, Z52A, 150A, Y53A, X55A, 149A, Z51A, Y52A, Z50A, X54A, W57A, Z49A, LRAL, LRAL, X53A, Y51A, KM5C, V59A, 147A, W54A, Y50A, X52A, V57A, Y49A, V56A, X51A, W53A, V55A, X50B.

Table with columns: Call Sign, Name, Frequency, Power, Direction, and other technical details. Includes call signs like W52A, U58A, Y48A, V54A, VBMS, V53A, X49A, W51A, T59A, X48A, T58A, W50A, U55A, V52A, T57A, U54A, V51A, U53A, W49A, T56A, X47A, V50A, U52A, W48A, T55A, U51A, T54A, X46A, V49A, T53A, S57A, W47A, R58B, U50A, V48A, T52A, W46A, S55A, T51A, U49A, V47A, T50A, U48A, S52A, S51A, WVT, T49A, U47A, S50A, U46A, T48A, R51A, S49A, Q54A, Q53A, R50A, T46A, X40A, Q52A, S47A, W41B, P54A, Q50A, Q51A, BDFB, MIAR, S46A, R48A, R47A, P52A, P51A, PBMO, S45A, R46A, Q48A, T43A, N59A, P50A, W39A, U41A, S44A, O52A, SIUC.

Table with columns: Call Sign, Name, Frequency, Power, Direction, and other technical details. Includes call signs like O53A, Q47A, R45A, N55A, O51A, S43A, BLO, ACSO, R44A, O50A, U40A, N54A, P47A, N52A, Q45A, O49A, FVM, M55A, N51A, N50A, O48A, S41A, Q44A, M54A, P46A, P45A, CCM, O47A, BINY, R41A, N48A, M50A, ABTX, Q42A, SFIN, N47A, O45A, PLIO, P43A, N46A, L50A, P42A, M46A, TXAR, L47A, O41A, L46A, PECO, K48A, ACTO, K47A, DRCO, WLVO, LBNH, J49A, I55A, I52A, LONY, J47A, N40A, H56A, H55A, M41A, DELO, BWLO, L43A, L42A, H52A, M40A, PLVO, J45A, L41A, AMTX, I47A, G55A, G53A, M39A, MSTX, L40A, K41A, PEMO, MNTX, JFWS.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like JWFS Jewell Farm, K40A Colesburg, F52A Sundage, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like SZCU Shurtz Canyon, TCRU Three Creeks R, MPU Boulder Creek, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TORD Torodí Arr, etc.

IDC 14 15:33:25.5:3.6, 5.06S:153.71E, h0km, mb2.9/2, mb1 3.2/2, mb1mx3.0/20, mbtmp2.9/2, Error ellipse:

s-maj=178.7km s-min=47.2km az=123.0, New Ireland region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like PRK Paraskevi, ZEDA zmir-Bergama, BAYC CAIAKALE, etc.

ISCJB 14 15:57:15.5:0.7, 53.9S:02:133.6W:0.3, h10km, mb4.0/7, MS4.0/13, Error ellipse: s-maj=27.8km s-min=17.6km az=143.2

IDC 14 15:57:15.5:0.9, 53.92S:133.42W, h0km, mb3.9/6, mb1 4.1/6, mb1mx3.9/36, mbtmp3.9/6, MS3.9/11, MS1 3.9/11, ms1mx3.7/29, Error ellipse: s-maj=32.8km s-min=25.7km az=137.0

NEIC 14 15:57:16.9:0.5, 55.88S:133.45W, h10km, mb4.7/1, Error ellipse: s-maj=19.9km s-min=15.0km az=151.0

ISC 14 15:57:17.1:0.7, 53.9S:02:133.4W:0.2, h10km, n44, c094/18, mb4.0/7, MS4.0/13, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like RKT Rikitea, VVDA Vanda, TBI Tubuai, etc.









Table with columns: YULB, YULB, TWF1, TWF1, SSSLB, SSSLB, SMLT, SMLT, TYC, TYC, JKRS, JKRS, FULB, FULB, WHYT, WHYT, CHKT, CHKT, JIJ, JIJ, WJS, WJS, WNT, WNT, ELDTW, ELDTW, CHNS, CHNS, JISG, JISG, WKG, WKG, WDLH, WDLH, YZKH, YZKH, STYT, STYT, RLNB, RLNB, TPUB, TPUB, TWGBT, TWGBT, TWG, TWG, WTP, WTP, WTK, WTK, TWK, TWK, CHN1, CHN1, CHN1, CHN1, SGST, SGST, SLGT, SLGT, JTJ, JTJ, ECL, ECL, SSD, SSD, MASBT, MASBT, MASBT, MASBT, PTTC, PTTC, PTTC, PTTC, PNG, PNG, PHUB, PHUB, WDG, WDG, WDG, WDG, VVUC, VVUC, VVUC, VVUC, MATB, MATB, PTMZ, PTMZ, LYJJ, LYJJ, LYJJ, LYJJ

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

Table with columns: ZAA1, ZAA1, FIAO, FIAO, FIAI, FIAI, FINES, FINES, NOA, NOA, ARAO, ARAO, ARCES, ARCES, CM31, CM31, CMAR, CMAR, SMOA1, SMOA1, SMOA2, SMOA2, SONM, SONM, TORO, TORO, TOA1, TOA1, DBIC, DBIC, ILAR, ILAR, WRA, WRA, YKA, YKA, YKB, YKB, WRB, WRB, WRA, WRA, AS31, AS31, ASAR, ASAR

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

IDC 14 18:06:10.0, 5.0, 29.63S, 178.74W, h0km, mb3.3/2, mb1.3/5.2, mb1mx3.4/27, mbtmp3.3/2, Error ellipse: s-maj=226.2km s-min=60.4km az=165.0, Kermadec Islands

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

IDC 14 18:25:20.0, 5.0, 8.37, 226N, 36.21E, h0km, mb3.5/10, mb1.3/6.14, mb1mx3.5/36, mbtmp3.5/14, ML3.2/4, Error ellipse: s-maj=16.1km s-min=11.6km az=62.0

ISCJB 14 18:25:21.0, 3.7, 37.27N, 0.02, 36.24E, 0.02, h6km, 2km, mb3.5/8, Error ellipse: s-maj=3.3km s-min=2.3km az=159.1

DDA 14 18:25:21.0, 37.31N, 36.21E, h20km, 2km, ML4.0, ISK 14 18:25:21.0, 47.372N, 36.26E, h8km, ML3.7/20

ISC 14 18:25:22.0, 1.0, 37.27N, 0.02, 36.29E, 0.02, h8km, 7km, n70, r195/105, mb3.6/8, 12C-1D, Turkey

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

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

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

IDC 14 17:51:01.0, 4.0, 8.28, 38N, 51.63E, h0km, mb3.9/16, mb1.4/0.20, mb1mx3.8/44, mbtmp3.9/20, ML3.5/4, MS3.1/4, MS1.3/1.4, ms1mx2.7/37, Error ellipse: s-maj=18.4km s-min=15.2km az=2.0

ISCJB 14 17:51:03.0, 0.0, 28.39N, 0.03, 51.54E, 0.04, h24km, mb3.9/20, MS2.9/2, Error ellipse: s-maj=5.2km s-min=3.0km az=147.1

NEIC 14 17:51:03.0, 0.0, 28.39N, 51.48E, h23km, mb4.0/7, ML3.8(THR), MN3.9(TEH), After TEH, THR 14 17:51:03.7, 0.0, 28.42N, 51.46E, h31km, TEH 14 17:51:04.9, 28.51N, 51.65E, h19km, ML3.9, DSN 14 17:51:08.1, 1.4, 28.67N, 52.18E, h10km, ML3.9/10, Error ellipse: s-maj=23.9km s-min=7.2km az=17.0

Table with columns: BRTR, comp-Z, 1.1nm, 0.3s, baz=119, slow=21, SNR=26, Pg, Pp, 18 26 21.4 +1.9, etc.

ISCJB 14 18:37:13.3-0.9, 33.8N:0.1x7.8E:0.1, h10km, mb3.4/8, MS3.2/1, Error ellipse: s-maj=15.6km s-min=13.4km

IDC 14 18:37:13.8-1.4, 33.85N:7.73E, h0km, mb3.6/8, mb1.3/6.11, mb1mx3.4/43, mbtmp3.5/11, ML3.5/3, MS3.2/2, Ms1.3/2.2, ms1mx2.5/43, Error ellipse: s-maj=32.1km s-min=22.2km az=112.0

CRAAG 14 18:37:15.5-1.2, 33.88N:7.08E, M3.7, ISC 14 18:37:15.5-1.2, 33.88N:0.1x7.8E:0.1, h10km, n14, a=132/12, mb3.6/8, Northern Algeria

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, KEST, 2.28 33 Op, ISC, h m s, 18 37 54.9 +1.7, etc.

SOME 14 18:58:41.1, 40.95N:72.53E, h10km, KRNET 14 18:58:42.0-0.1, 41.09N:72.44E, h15km, mb2.1, NNC 14 18:58:43.4-1.9, 41.06N:72.53E, h0km, mb2.9, mpv2.8, Error ellipse: s-maj=16.4km s-min=6.7km az=174.0

ISCJB 14 18:58:46.3-0.7, 40.89N:0.05x72.60E:0.04, h39km, Error ellipse: s-maj=7.7km s-min=4.2km az=158.5

ISC 14 18:58:41.2-1.5, 41.03N:0.05x72.52E:0.03, h2km, n18km, n25, c106/41, 18C-6D, Kyrgystan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ARSB, 0.46 50 I/P, Pg, 18 58 51.0 +1.1, etc.

Table with columns: BRLL, Borolday, 2.82 316 eP, Pp, 18 59 32.0 -0.3, etc.

ISK 14 19:09:53.5, 40.00N:39.71E, h7km, ML2.2/7, DDA 14 19:09:53.5, 39.98N:39.68E, h7km, 2km, ML2.6, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, EUZM, 0.27 177 I/P, Op, ISC, h m s, 19 10 03.5 +0.9, etc.

ISCJB 14 19:12:25.0-0.6, 6.86S:0.08x154.70E:0.08, h39km, mb4.1/15, MS3.5/5, Error ellipse: s-maj=14.5km s-min=8.4km az=137.2

NEIC 14 19:12:25.8-2.3, 6.84S:154.77E, h35km, mb4.3/9, Error ellipse: s-maj=23.8km s-min=17.2km az=70.0

IDC 14 19:12:34.5-4.7, 6.89S:154.52E, h103km, 38km, mb3.7/9, mb1.3/9.11, mb1mx3.7/31, mbtmp4.1/11, MS3.5/7, Ms1.3/5.7, ms1mx3.1/30, Error ellipse: s-maj=34.1km s-min=21.5km az=109.0

ISC 14 19:12:26.9-0.7, 6.85S:0.10x154.8E:0.1, h39km, n32, a=142/31, mb4.1/15, MS3.5/5, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, RABL, 3.67 315 eP, Pn, 19 13 20.8 -0.5, etc.

az=139.2, JMA 14 19:30:05.7-0.0, 1.24x74N:125.42E, h47km, 1km, M3.4, JMA Felt 1/1, IDC 14 19:30:05.6-0.8, 25.61N:125.05E, h0km, mb3.6/11, mb1.3/8.12, mb1mx3.6/54, mbtmp3.6/12, ML2.1/2, Error ellipse: s-maj=24.7km s-min=18.2km az=57.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, JIKM, 0.14 177 P, Op, ISC, h m s, 19 30 14.0 +2.8, etc.

IDC 14 19:38:31.2-0.7, 35.17N:81.46E, h0km, mb3.9/13, mb1.4/0.18, mb1mx3.7/63, mbtmp3.8/18, ML3.2/5, MS3.4/8, Ms1.3/4.8, ms1mx3.0/52, Error ellipse: s-maj=21.8km s-min=14.7km az=55.0

ISCJB 14 19:38:35.2-0.3, 35.41N:0.03x81.40E:0.06, h35km, mb4.1/18, MS3.5/5, Error ellipse: s-maj=7.6km s-min=3.4km az=167.3

NEIC 14 19:38:36.2-4.5, 35.27N:81.51E, h38km, 7km, mb4.2/7, Error ellipse: s-maj=19.0km s-min=15.5km az=200.0

BUI 14 19:38:37.8, 35.58N:81.36E, h5km, mb3.9/2, ML3.9/6, NNC 14 19:38:44.8-3.3, 35.94N:81.49E, h0km, mb4.2, mpv3.8, Error ellipse: s-maj=31.1km s-min=24.6km az=125.0

ISC 14 19:38:36.9-0.5, 35.31N:0.06x81.42E:0.08, h35km, n68, a=172/62, mb4.0/18, MS3.6/5, SC-50, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, NIL, 6.95 259 Op, Pn, 19 40 18.8 +2.6, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, KKN, 8.18 155 eP, Pn, 19 40 37.0 +3.6, etc.

14d 20h

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like BRVK Borovoye, SONAO Songino Array, CHTO Chiang Mai, etc.

14d 19:39:36.0, 2.8, 12N:51.89E, h0km, mb4.2/31, mb1 4.3/37, mb1mx4.2/58, mbtmp4.2/37, ML3.8/7, MS3.4/11, Ms1 3.4/11, ms1mx3.1/46, Error ellipse: s-maj=17.4km s-min=11.3km az=2.0

THR 14 19:39:34.6, 2.8, 14N:51.71E, h26km, ML4.0 MOS 14 19:39:34.5, 1.2, 28.26E, 51.97E, h20km, mb4.6/13, Error ellipse: s-maj=9.6km s-min=4.7km az=108.7

ISCJBJ 14 19:39:35.0, 0.2, 28.21N:0.03, 51.83E, 0.03, h26km, mb4.2/59, MS3.4/6, Error ellipse: s-maj=4.4km s-min=2.7km az=33.2

BUJ 14 19:39:35.5, 28.40N:51.90E, h15km, mb4.4/7, mB5.0/4 NEIC 14 19:39:36.0, 0.0, 28.27N:51.84E, h20km, mb4.2/10, MN4.2(TEH), After TEH.

TEH 14 19:39:36.1, 28.27N:51.84E, h20km, ML4.2 DSN 14 19:39:36.1, 1.0, 28.37N:52.22E, h10km, ML4.2/9, Error ellipse: s-maj=19.3km s-min=5.2km az=16.0

ISC 14 19:39:36.9, 0.4, 28.22N:0.05, 51.85E, 0.04, h26km, n197, r=152/203, mb4.2/62, MS3.4/6, 14C-3D, Southern Hemisphere

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like GHIR Ghir-Karzin, JHRM Jahrom, IKAZ Kazeroun, etc.

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Main table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like HOQ Hoqain, IKOM Komasi, TKDS Kodashi, etc.

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Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MK32 Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, etc.

14d 20:01:56.1, 0.8, 10.59N:127.01E, h0km, mb3.8/9, mb1 3.9/9, mb1mx3.6/37, mbtmp3.8/9, Error ellipse: s-maj=70.8km s-min=17.2km az=72.0

ISCJBJ 14 20:02:01.2, 1.3, 10.60N:0.04, 126.87E:01.08, h50km, 12km, mb3.8/9, Error ellipse: s-maj=13.8km s-min=5.5km az=175.7

MAN 14 20:02:01.5, 10.65N:126.80E, h97km, mb4.9, ML3.8, MS3.8

ISC 14 20:02:00.0, 0.3, 10.67N:0.05, 126.93E:0.09, h26km, 23km, n22, r=119/32, mb3.8/9, 4D, Philippine Islands region

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like SCPH Surigao, BESP Borongan, etc.











Table with columns: FNA, Florina, 1.37 45, iPG, Pg, 22 50 07.9 +2.9, etc.

SAR 14 22:50:38.1±0.2, 45°50'N, 16°40'E, h4km, 2km, ML1, 1/9, VIE 14 22:50:37.3±0.9, 45°56'N, 16°46'E, h8km, mb1.41, m1.8/4, Error ellipse: s-maj=7.1km s-min=6.4km az=59.0, Northwestern Balkan Peninsula

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

ATH 14 23:13:16.6, 36°52'N, 25°79'E, h2km, 1km, ML2.9/2, Error ellipse: s-maj=2.1km s-min=1.0km az=258.0, THE 14 23:13:17.1, 36°58'N, 25°90'E, h10km, 1km, ML2.1/4, Error ellipse: s-maj=1.5km s-min=0.6km az=257.0, ISCJJB 14 23:13:18.0±0.4, 36°52'N, 0°03:25.74E±0.03, h14km, 3km, Error ellipse: s-maj=4.5km s-min=4.5km az=42.3, ISC 14 23:13:17.1±0.9, 36°54'N, 0°02:25.78E±0.02, h17km, 6km, n49, c040/68, Dodecanese Islands

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

TURN comp=Z,150nm,0.2s IAML\_P VLI Veliia 2.29 275 P Pn 23 13 54.8 +0.6

IDC 14 23:15:47.8±7.3, 24°28'S×179°80'W, h494km, 68km, mb3.3/6, mb1.3/4.7, mb1mx3.1/56, mbtmp4.2/7, Error ellipse: s-maj=56.8km s-min=25.4km az=53.0, ISCJJB 14 23:15:49.6±2.8, 24°55'0.3S×179°9'0.4E, h505km, mb3.7/6, Error ellipse: s-maj=57.6km s-min=24.0km az=146.0, ISC 14 23:15:49.0±1.7, 24°45'0.2S×179°8'0.2E, h505km, n10, c0562/10, mb3.8/6, South of Fiji Islands

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

IDC 14 23:24:50.2±2.4, 6°83'S, 133°13'E, h0km, mb3.5/1, mb1.3/5.4, mb1mx3.3/26, mbtmp3.3/4, ML3.2/3, MS2.5/1, Ms1 2.5/1, ms1mx2.2/23, Error ellipse: s-maj=76.4km s-min=25.7km az=86.0, Aru Islands region

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

IDC 14 23:52:22.8±1.9, 2°01'N, 96°11'E, h0km, mb3.8/4, mb1.3/8.5, mb1mx3.5/44, mbtmp3.7/5, ML3.6/1, MS3.3/4, Ms1 3.3/4, ms1mx2.8/47, Error ellipse: s-maj=67.2km s-min=25.7km az=53.0, ISCJJB 14 23:52:24.8±1.4, 2°0'N, 0°2:96.1E±0.3, h27km, mb4.3/5, MS3.8/2, Error ellipse: s-maj=40.9km s-min=20.6km az=151.3, ISC 14 23:52:26.8±1.7, 2°0'N, 0°2:96.1E±0.3, h27km, n15, c0925/6, mb4.1/5, Northern Sumatra

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

DDA 15 00:05:33.5, 38°17'N, 38°19'E, h7km, 1km, ML2.6, ISC 15 00:05:33.6, 38°16'N, 38°21'E, h21km, ML1.6/3, Turkey

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

HAZ 15 00:06:07.9±0.2, 21°89'S, 0°03:177.94W±0.05, h37km, mb4.5/74, Error ellipse: s-maj=6.4km s-min=3.5km az=14.9, IDC 15 00:06:07.7±1.5, 21°92'S, 177°84'W, h364km, 19km, mb3.9/21, mb1.4/12, mb1mx3.9/42, mbtmp4.6/22, Error ellipse: s-maj=15.3km s-min=11.2km az=141.0, NEIC 15 00:06:12.8±0.9, 21°94'S, 177°97'W, h414km, 9km, mb4.6/59, Error ellipse: s-maj=7.1km s-min=5.6km az=130.0, ISC 15 00:06:08.7±0.4, 22°01'S, 0°05:177.88W±0.07, h37km, n234, c1517/259, mb3.8/13, 20C-27D, South of Fiji Islands

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

Table with columns: RUGZ, Raukumara Rang, 16.36 193, P, P, 00 09 38.2 +1.3, etc.

15d 1h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like RIDG, DLBC, DOT, HDA, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like VRAC, PSZ, JAVO, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MHLO, APE, KYTH, etc.





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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPITS, FIAO, AKASG, AKKB, KIEV, AK11, INK, BUR08, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, HNR, HNR, PMG, PMG, CTA, WRA, WRA, ASAR, STKA, SONM, ILAR, TORD, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FINES, ARCES, ASAJ, VYHS, VRAC, BRG, NB2, NOA, GERES, SEY, DAVOX, ESDC, ILAR, TORD, WRA, ASAR, YKA, CTA, BOSAS.

DDA 15 03:05:59.3, 37.71N, 26.76E, h7km, gkm, ML2.7
ISK 15 03:05:59.1, 37.70N, 26.77E, h2km, ML2.3/4
ISCJB 15 03:06:00.3, 1.0, 37.77N, 0.06, 26.82E, 0.09, h27km, 19km,
Error ellipse: s-maj=15.3km s-min=5.2km az=142.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DGB, GCAM, ZY, BODT, BDRM, CHOS, AYDN, AYDB.

IDC 15 03:18:00.2, 8.7, 6.77S, 154.47E, h90km, 63km, mb3.3/5,
mb1 3.5/6, mb1mx3.2/46, mbtmp3.7/6, ML1.5/1, MS3.0/3,
Ms1 3.0/3, ms1mx2.7/17, Error ellipse: s-maj=63.8km
s-min=35.8km az=97.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, PMG, WRA, ASAR, STKA, FITZ, CMAR, MKAR, TORD.

NEIC 15 03:20:08.9, 0.0, 19.57N, 65.56W, h71km, MD3.2(RSPR),
After RSPR.
RSPR 15 03:20:08.9, 19.57N, 65.56W, h71km, 7km, MD3.2/3, 6C-9D,
Puerto Rico region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CUPR, HUMP, MTP, SJG, CERP, CDVI, SDDR.

IDC 15 03:30:23.6, 8.9, 6.31S, 154.27E, h50km, 66km, mb3.3/4,
mb1 3.6/5, mb1mx3.3/38, mbtmp3.7/5, ML2.1/1, MS3.0/2,
Ms1 3.0/2, ms1mx2.6/13, Error ellipse: s-maj=74.7km
s-min=41.5km az=104.0

ISC 15 03:30:23.1, 1.6, 6.35S, 0.4, 154.4E, 0.3, h48km, n7, r1519.9,
mb3.4/4, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, PMG, WRA, ASAR, FITZ, MKAR, TORD.

ISCJB 15 03:32:48.8, 0.3, 12.60N, 0.03, 88.15W, 0.02, h69km, 2km,
mb4.4/133, Error ellipse: s-maj=5.2km s-min=2.7km
az=29.0

NEIC 15 03:32:49.0, 0.0, 12.64N, 88.25W, h34km, mb4.5/134,
MD4.7(SNET), After SNET.
NEIC Felt [I] at San Salvador. Also felt at Ozatlan and Usulután.
SNET 15 03:32:49.0, 12.64N, 88.25W, h34km, MD4.7,
MB4.5(NEIC)

UCR 15 03:32:49.0, 2.1, 12.59N, 88.20W, h47km, 36km, MD4.3,
ML4.6, mb4.5(NEIC)
IDC 15 03:32:50.1, 1.7, 12.84N, 87.85W, h60km, 15km, mb4.0/17,
mb1 4.1/21, mb1mx4.0/46, mbtmp4.2/21, MS3.6/19,
Ms1 3.6/19, ms1mx3.5/33, Error ellipse: s-maj=24.0km
s-min=8.6km az=55.0

ISC 15 03:32:49.5, 0.9, 12.63N, 0.05, 88.19W, 0.04, h58km, 7km,
n549, a1816/552, mb4.4/133, MS3.6/18, 15D, Off coast of
central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CSGN, LFRS, CAHU, LFRS, LBRs, VICT, LFLU, UDBS, UDBS, OPAM, UES, BOOS, MOMM, TGUH, LLGN, BRAN, ESTN, SBLs, APYN, XAVN, MGAN, MTO3, MATM, IXG, CONN, NBG, PCG, ACON, NY14, LAFP, EBP, EUN, JTS, JTS, JTS, THG, THG, HDIC, CGIG, PCIG, PEIG, CMIG, CMIG, TLIG, MTDJ, 059A, ROSC, LING, ZAIG, SDV, SDV, 657A, 658A, 557A.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like 454A, HKT, 455A, 351A, 350A, 833A, 833A, 353A, 352A, TIGA, 355A, 249A, 356A, 252A, 251A, VBMS, VBMS, 253A, 254A, 255A, 149A, 148A, NATX, 147A, 151A, 150A, 435B, 435B, 256A, 152A, 152A, 152A, 154A, 154A, 154A, 249A, 155A, 250A, 250A, 252A, JCT, JCT, JCT, 241A, 241A, 253A, WHT, Z54A, GOGA, GOGA, Y49A, Y49A, Y48A, Z55A, Y50A, Y51A, Y51A, Y51A, Y52A, Y52A, Y53A, Y54A, X48A, X47A, OXF, X46A, X49A, X50B, ATAH, ATAH, SJG, TXAR, TXAR, TXAR, Y55A, X51A, X40A, HODGE, HUMP, X52A, X53A, CBYP, MIAR, MIAR, UALR.

15d 3h

W46A	Michie	22.41	360	P	P	03 37 44.5 +1.3
W48A	Pulaski	22.44	3	P	P	03 37 44.5 +1.0
Y57A	Sumter	22.45	17	P	P	03 37 44.2 +0.6
X54A	Belton	22.45	13	P	P	03 37 45.2 +1.4
J5C	Jenkinsville	22.46	15	eP	P	03 37 41.2 -2.5
W49A	Belvidere	22.46	4	P	P	03 37 44.8 +1.0
MTP	Monte Pirata	22.49	73	eP	P	03 37 43.8 -0.4
ABTX	Abilene, Hawle	22.50	334	eP	P	03 37 45.2 +0.9
ABTX	Abilene, Hawle	22.50	334	P	P	03 37 44.9 +0.6
W47A	Westpoint	22.53	1	P	P	03 37 45.2 +0.7
X55A	Gracelyn & Ava	22.55	14	P	P	03 37 45.6 +0.9
SWET	Sewanee	22.58	5	eP	P	03 37 45.7 +0.5
W50A	Signal Mountai	22.62	6	eP	P	03 37 46.0 +0.4
W50A	Signal Mountai	22.62	6	P	P	03 37 46.0 +0.4
W51A	Cleveland	22.65	7	P	P	03 37 46.5 +0.7
X56A	White Oak	22.72	15	P	P	03 37 46.8 +0.3
W41B	Gary Mavity, V	22.74	351	eP	P	03 37 47.8 +1.0
W41B	Gary Mavity, V	22.74	351	P	P	03 37 47.4 +0.6
BG3	Lake Jocassee	22.77	11	eP	P	03 37 49.0 +1.9
CUPR	Culebra, Puert	22.78	73	eP	P	03 37 46.0 -1.3
PAULI	Pauline	22.84	14	eP	P	03 37 49.6 +1.8
WHAR	Woolly Hollow	22.86	351	eP	P	03 37 49.5 +1.4
W53A	Culowhee	22.90	11	P	P	03 37 48.9 +0.4
X57A	Johnson Farm,	22.95	17	P	P	03 37 48.9 0.0
CPCT	Cooper Cave	22.96	8	eP	P	03 37 49.6 +0.6
W54A	Cherokee Point	23.01	13	P	P	03 37 50.0 +0.5
W39A	Magazine	23.03	348	eP	P	03 37 51.2 +1.4
W39A	Magazine	23.03	348	P	P	03 37 50.9 +1.1
V47A	Nunnely	23.11	1	P	P	03 37 50.4 -0.1
V50A	Pikeville	23.11	6	P	P	03 37 50.6 +0.1
V49A	McMinnville	23.13	5	P	P	03 37 50.5 -0.2
KM5C	Kings Mountain	23.26	14	eP	P	03 37 53.2 +1.2
KM5C	Kings Mountain	23.26	14	P	P	03 37 52.3 +0.3
TKL	Tuckaleechee C	23.27	9	eP	P	03 37 51.3 -0.8
TKL	Tuckaleechee C	23.27	9	P	P	03 37 52.9 +0.8
V51A	Loudon	23.33	8	eP	P	03 37 52.8 +0.2
V51A	Loudon	23.33	8	P	P	03 37 53.0 +0.4
WVT	Waverly	23.40	1	eP	P	03 37 52.8 -0.5
WVT	Waverly	23.40	1	P	P	03 37 53.7 +0.4
W56A	Indian Trail	23.44	16	P	P	03 37 54.1 +0.4
V53A	Saluda	23.45	11	eP	P	03 37 55.0 +1.2
V53A	Saluda	23.45	11	P	P	03 37 54.1 +0.3
V52A	Sevierville	23.48	9	eP	P	03 37 53.4 -0.7
V52A	Sevierville	23.48	9	P	P	03 37 54.4 +0.4
W57A	Gilead	23.62	17	P	P	03 37 55.2 -0.2
U46A	Springville	23.63	0	P	P	03 37 54.8 -0.5
U47A	Clarksville	23.72	2	P	P	03 37 55.8 -0.4
W58A	Raeofoord	23.73	19	P	P	03 37 56.1 -0.2
V54A	Nebo	23.73	13	P	P	03 37 56.5 +0.1
X60A	Albert Glenn T	23.74	21	P	P	03 37 56.0 -0.4
U48A	Cassie Pea, Po	23.83	3	P	P	03 37 57.0 -0.2
U41A	Viola	23.85	353	P	P	03 37 58.1 +0.7
U50A	Jamestown	23.88	7	P	P	03 37 57.8 +0.1
U49A	Red Boiling Sp	23.88	5	P	P	03 37 57.9 +0.2
U51A	La Follette	23.94	8	P	P	03 37 58.9 +0.6
V55A	Taylorsville	23.96	14	P	P	03 37 58.9 +0.5
U40A	Yellville	24.00	351	P	P	03 37 59.1 +0.4
WMOK	Wichita Mounta	24.02	338	eP	P	03 37 59.5 +0.5
WMOK	Wichita Mounta	24.02	338	P	P	03 37 59.9 +0.9
U52A	Thorn Hill	24.06	10	P	P	03 37 59.9 +0.6
V56A	Mocksville	24.10	15	P	P	03 37 59.7 0.0
HHAR	Hobbs	24.11	349	eP	P	03 38 00.2 +0.4
PBMO	Poplar Bluff	24.13	356	eP	P	03 37 60.0 0.0
U53A	Fall Branch	24.17	11	P	P	03 38 01.0 +0.7
TUL1	Leonard	24.17	345	P	P	03 38 00.8 +0.4
TZTN	Tazewell	24.18	9	eP	P	03 38 01.1 +0.7
TZTN	Tazewell	24.18	9	P	P	03 38 00.5 +0.1
W60A	Pink Hill	24.26	21	P	P	03 38 00.9 -0.3
T47A	Sharon Grove	24.27	2	eP	P	03 38 01.0 -0.3
T47A	Sharon Grove	24.27	2	P	P	03 38 00.9 -0.3
T46A	Princeton	24.31	1	P	P	03 38 01.1 -0.5
V57A	Coltrane Farms	24.37	17	P	P	03 38 01.9 -0.3
T43A	Greenville	24.42	356	P	P	03 38 02.8 +0.2
U54A	Nelsons Funny	24.47	12	P	P	03 38 02.5 -0.7
T50A	Nancy	24.47	6	P	P	03 38 02.8 -0.3
T49A	Edmonton	24.49	5	eP	P	03 38 03.4 +0.2
T49A	Edmonton	24.49	5	P	P	03 38 03.2 0.0
T51A	Gray	24.53	8	P	P	03 38 04.3 +0.7
U55A	TAZ, Sparta	24.62	14	P	P	03 38 04.9 +0.3
MNTX	Cornudas Mount	24.70	323	eP	P	03 38 05.8 +0.5
MNTX	Cornudas Mount	24.70	323	P	P	03 38 05.6 +0.3
V59A	Middlesex	24.73	20	P	P	03 38 05.3 -0.1
T53A	Wise	24.78	11	P	P	03 38 05.9 0.0
S45A	Carrier Mills	24.95	359	P	P	03 38 06.8 -0.5

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S46A	Don Dixon Farm	24.95	1	P	P	03 38 07.0 -0.5
S48A	Wiedeman Farm,	25.00	4	P	P	03 38 07.3 -0.6
T54A	Tazewell	25.04	13	P	P	03 38 08.4 0.0
MSTX	Muleshoe	25.05	330	eP	P	03 38 08.9 +0.3
MSTX	Muleshoe	25.05	330	P	P	03 38 08.7 +0.1
S41A	Jilco Farms,	25.06	353	P	P	03 38 08.2 -0.2
S50A	Richmond	25.18	7	P	P	03 38 09.3 -0.2
S49A	Springfield	25.18	5	P	P	03 38 09.4 -0.1
U58A	Oxford	25.20	19	P	P	03 38 09.4 -0.3
S51A	Beattyville	25.24	9	P	P	03 38 10.0 -0.1
T55A	Pulaski	25.27	14	P	P	03 38 11.3 +0.9
AMTX	Amarillo	25.31	333	eP	P	03 38 11.3 +0.5
AMTX	Amarillo	25.31	333	P	P	03 38 12.0 +1.2
S52A	Salyersville	25.36	10	P	P	03 38 11.8 +0.6
U59A	Littleton	25.41	20	P	P	03 38 11.9 +0.4
BLA	Blacksburg	25.45	15	P	P	03 38 12.7 +0.7
CCM	Cathedral Cave	25.47	354	eP	P	03 38 11.9 -0.2
CCM	Cathedral Cave	25.47	354	P	P	03 38 12.1 0.0
R44A	Waltonville	25.52	358	P	P	03 38 12.8 +0.2
S53A	Williamson	25.53	11	P	P	03 38 13.1 +0.3
WCI	Wyandotte Cave	25.55	3	eP	P	03 38 12.8 -0.1
WCI	Wyandotte Cave	25.55	3	P	P	03 38 12.9 0.0
R45A	Skylar, Fairri	25.56	360	P	P	03 38 12.8 -0.1
R47A	Wooly Knot Far	25.60	3	P	P	03 38 12.9 -0.4
R49A	Shelbyville	25.70	5	P	P	03 38 13.7 -0.5
T58A	Grand View Acr	25.72	18	P	P	03 38 13.7 -0.7
R41A	Rosebud	25.72	354	P	P	03 38 13.9 -0.5
R50A	Oil Creek Stat	25.78	7	P	P	03 38 14.6 -0.3
R51A	Hillsboro	25.89	8	P	P	03 38 15.8 -0.2
S55A	Levisa	25.96	14	P	P	03 38 17.3 +0.6
T59A	Double "B" Far	26.05	20	P	P	03 38 18.0 +0.6
S56A	Natural Bridge	26.11	16	P	P	03 38 18.6 +0.7
Q45A	Warren Harvey,	26.16	0	P	P	03 38 18.5 +0.1
Q44A	Meyer Farm, Va	26.18	359	P	P	03 38 18.4 -0.2
R53A	Hurricane	26.19	11	P	P	03 38 18.6 -0.1
Q43A	New Douglas	26.24	357	P	P	03 38 19.3 +0.2
R54A	Victor	26.24	13	P	P	03 38 19.0 -0.1
Q47A	Bedord North L	26.25	3	P	P	03 38 19.0 -0.2
Q48A	Not Vernon	26.29	4	P	P	03 38 18.8 -0.6
S57A	Dark Hollow, R	26.35	17	P	P	03 38 20.2 +0.1
Q50A	Georgetown	26.38	7	P	P	03 38 20.0 -0.3
Q49A	Aurora	26.43	6	P	P	03 38 20.7 -0.1
S58A	Poland Farm, P	26.48	18	P	P	03 38 21.5 +0.2
R55A	Marlington	26.54	14	P	P	03 38 22.6 +0.7
Q51A	Peebles	26.64	8	eP	P	03 38 23.2 +0.5
Q51A	Peebles	26.64	8	P	P	03 38 23.2 +0.5
P44A	Sand Creek, Wi	26.73	359	P	P	03 38 24.3 +0.7
121A	Coxes Peak, D	26.74	321	P	P	03 38 25.4 +1.5
Q52A	Bidwell	26.75	10	P	P	03 38 24.0 +0.3
Q53A	Leroy	26.79	12	P	P	03 38 24.3 +0.3
P47A	Martinsville	26.80	3	P	P	03 38 22.3 -1.9
P48A	Milroy	26.84	5	P	P	03 38 23.6 -0.9
P49A	Miami Univ. Ec	26.97	6	P	P	03 38 24.6 -1.1
Q54A	Coxs Mills	27.05	13	P	P	03 38 26.4 0.0
P51A	Williamsport	27.13	9	P	P	03 38 26.7 -0.4
Q55A	Buckhannon	27.23	14	P	P	03 38 28.5 +0.5
CBN	Corbin Frederi	27.23	19	eP	P	03 38 29.2 +1.2
CBN	Corbin Frederi	27.23	19	P	P	03 38 28.8 +0.8
LENH	Lenoir	27.41	325	eP	P	03 38 35.5 +5.5
P53A	Whipple	27.42	11	eP	P	03 38 30.3 +0.6
P53A	Whipple	27.42	11	P	P	03 38 30.0 +0.3
P52A	Croft	27.43	10	P	P	03 38 30.2 +0.4
Q47A	Sheridan	27.56	3	P	P	03 38 29.6 -1.3
Q48A	Farmland	27.65	5	P	P	03 38 30.6 -1.1
SFIN	Lafayette	27.66	2	P	P	03 38 30.8 -1.0
Q49A	Covington	27.66	6	P	P	03 38 31.5 -0.3
O50A	Cable	27.70	8	P	P	03 38 32.1 -0.2
ANMO	Albuquerque	27.70	326	P	P	03 38 34.1 +1.5
ANMO	Albuquerque	27.70	326	eP	P	03 38 34.8 +2.2
ANMO	Albuquerque	27.70	326	P	P	03 38 33.8 +1.2
TASM	ASL Pad, Albuq	27.71	326	P	P	03 38 33.9 +1.3
TASM	ASL Pad, Albuq	27.71	326	P	P	03 38 33.7 +1.1
P55A	Reedsville	27.78	14	P	P	03 38 33.6 +0.6
O51A	Pataskala	27.85	9	P	P	03 38 33.8 +0.2
ACSO	Alum Creek Sta	27.88	9	P	P	03 38 33.7 -0.1
MCWV	Mont Chateau	27.91	14	eP	P	03 38 35.2 +1.1
MCWV	Mont Chateau	27.91	14	P	P	03 41 50.1 +1.6
O52A	Adamsville	27.95	10	P	P	03 38 34.6 +0.5
O52A	Adamsville	27.95	10	P	P	03 38 34.7 +0.3
O52A	Adamsville	27.95	10	P	P	03 38 34.4 0.0
CBKS	Cedar Bluff	28.02	341	P	P	03 38 35.5 +0.3
N46A	Monticello	28.19	2	P	P	03 38 36.3 -0.2
O53A	New Philadelph	28.19	11	P	P	03 38 36.4 -0.2
N43A	Stutzman Famil	28.21	358	P	P	03 38 36.0 -0.8
N47A	Urbana	28.23	4	P	P	03 38 36.7 -0.2

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N48A	Decatur	28.26	5	P	P	03 38 36.5 -0.6
N50A	Nevada	28.38	8	P	P	03 38 38.0 -0.3
N49A	Columbus Grove	28.40	6	P	P	03 38 38.0 -0.4
T25A	Trinidad	28.41	332	eP	P	03 38 40.8 +2.0
T25A	Trinidad	28.41	332	P	P	03 38 39.3 +0.5
O55A	Ligonier	28.47	14	P	P	03 38 39.2 -0.7
N51A	Ashland	28.64	9	P	P	03 38 40.4 -0.2
N52A	McCinn's Farm,	28.65	10	P	P	03 38 40.2 -0.5
M42A	Sheffield	28.75	358	P	P	03 38 41.2 -0.3
N53A	Lisbon	28.80	12	P	P	03 38 41.6 -0.4
O56A	Blue Knob Stat	28.81	15	P	P	03 38 41.6 -0.6
M39A	Webster	28.95	354	P	P	03 38 43.6 +0.3
M50A	Fremont	29.02				









Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YM11, WCHH, YM03, etc.

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

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



15d 6h

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mb1 4.4/23,mb1mx4.2/58,mbtmp4.3/23,ML4.3/2,MS3.7/8, Ms1 3.7/8,ms1mx3.3/45,Error ellipse: s-maj=18.4km s-min=11.8km az=51.0
ISCJB 15 06:57:46.70.3,2.56N,0.03:92.19E:0.0, h33km, mb4.6/75,MS4.0/12,Error ellipse: s-maj=5.3km s-min=3.2km az=32.8
DJA 15 06:57:47.9.4.5,3'N,6.9'2E',h20km,42km,MS.2/12, mb5.3/12,mb5.6/11,MLV5.3/9,Mw(MB)5.1/11
MOS 15 06:57:47.3.1.4,2.69N,92.41E,h34km,mb4.9/26,Error ellipse: s-maj=10.2km s-min=5.9km az=102.1
NEIC 15 06:57:48.7.0.3,2.56N,92.18E,h35km,mb4.6/34,Error ellipse: s-maj=8.1km s-min=5.1km az=218.0
BUJ 15 06:57:48.5.2,6'20N,92.40E,h31km,mb4.9/42,mb5.0/26, Ms4.4/16,Ms7.4.1/16
KLM 15 06:57:52.0.2,89N,92.27E,h40km,mb4.9
ISC 15 06:57:48.5.0.4,2.53N,0.05:92.16E:0.05,h35km,n202, 1567/200,mb4.6/76,MS3.9/13,2C-11D,Off west coast of northern Sumatera

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

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

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













Table with columns: BLIS, Bitlis-Merkez, 0.90 251, i P, Pb, 12 16 26.7 +0.2, 12 16 38.8 -0.3

comp=Z,1um,0.1s

Table with columns: GURO Guroymak-BITLI, 0.93 260, PG, Pn, 12 16 27.3 +0.3

KRSC 15 12:25:41.8±10.0,53°50'N,162°90'E,h0km,ML3.6,

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

DDA 15 12:27:23.8,38°68'N,34°71'E,h7km,3km,ML2.5

ISCJB 15 12:27:23.9,38°68'N,34°74'E,h6km,ML 1.9/6

ISCJB 15 12:27:24.9±0.4,38°67'N,0°03'34.72E±0.03,h10km,Error

ellipso: s-maj=3.7km s-min=3.6km az=25.0

ISC 15 12:27:25.0±1.0,38°70'N,0°03'34.73E±0.03,h14km,8km,

n17,-f18/28,Turkey

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

KRSC 15 12:28:39.9±10.0,50°06'N,159°89'E,h228km±10km,ML3.8,

East of Kuril Islands

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

KRNET 15 12:38:39.2±0.1,40°17'N,70°57'E,mb2.6

ISCJB 15 12:38:40.5±2.0,40°0'N,0°1:70.6E±0.1,h16km,Error

ellipso: s-maj=21.7km s-min=12.9km az=156.3

ISC 15 12:38:40.9±1.0,40°16'N,0°06:70.6E±0.1,h16km,n8,

c=268/14,10C-6D,Tajikistan

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

NORS 15 12:39:01.7±0.0,42°59'N,44°75'E,h2km,MPVA3.1

ISCJB 15 12:39:04.3±1.0,42°77'N,0°05:44.73E±0.08,h33km,Error

ellipso: s-maj=8.8km s-min=6.7km az=29.3

ISC 15 12:39:01.8±2.1,42°79'N,0°06:44.82E±0.09,h16km±10km,

n9,0q66/17,Western Caucasus

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

ISC 15 12:40:36.7±1.1,21°32'N,121°03'E,h0km,mb3.3/6,

mb1 3.6/6,mb1mx3.4/44,mbtrnp3.3/6,MS2.7/1,Mb1 2.7/1,

ms1mx2.3/24,Error ellipse: s-maj=38.1km s-min=23.3km

z=72.0

JMA 15 12:40:37.8±0.3,21°31'N,120°76'E,h29km,MA 0

ISCJB 15 12:40:40.8±0.6,21°49'N,0°03:120.73E±0.04,h58km,5km,

mb3.4/5,Error ellipse: s-maj=6.0km s-min=5.4km az=43.7

TAP 15 12:40:40.0,21°46'N,120°78'E,h58km,ML3.4,D

ISC 15 12:40:39.2±1.9,21°41'N,0°07:120.65E±0.05,h25km±13km,

n49,-c1507/83,mb3.5/5,Taiwan region

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

ISCJB 15 13:21:06.6±4.1,90°N,20°13'E,h26km,Md3.3/6

ISCJB 15 13:21:07.0±0.3,41°92'N,0°01:20.16E±0.02,h4km,2km,

Error ellipse: s-maj=2.8km s-min=1.8km az=142.5

ATH 15 13:21:06.3,41°96'N,20°17'E,h16km,3km,ML0.0,Error

ellipso: s-maj=10.8km s-min=2.7km az=153.0

PDG 15 13:21:07.4±0.4,41°90'N,20°13'E,h10km,MD3.2/4,

ML3.2/10,Error ellipse: s-maj=0.4km s-min=0.6km az=0

BEO 15 13:21:08.2±0.3,41°92'N,20°20'E,h4km,2km,ML3.0/10

THE 15 13:21:09.7,41°89'N,20°21'E,h13km,1km,ML3.0/6,Error

ellipso: s-maj=2.4km s-min=1.3km az=46.0

ISC 15 13:21:07.5±1.0,41°91'N,0°02:20.13E±0.02,h7km±9km,

n108,-c095/149,16C-9D,Albania

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

Table with columns: IRIF, JKRS Kuro-shima, 4.18 47, P S, Sn, 12 42 26.1 -0.6

MEX 15 12:58:16.7±0.6,15°26'N,92°18'W,h177km±5km,MD4.0,

Mexico-Guatemala border region

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

ISK 15 12:58:45.9,38°34'N,42°78'E,h10km,ML2.5/6

ISCJB 15 12:58:46.8±0.4,38°31'N,0°03:42.79E±0.03,h6km,4km,

Error ellipse: s-maj=4.5km s-min=3.5km az=172.9

DDA 15 12:58:46.3,38°34'N,42°83'E,h7km,3km,ML2.8

ISC 15 12:58:46.5±0.9,38°33'N,0°03:42.81E±0.03,h14km±6km,

n15,-c047/27,Turkey

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

TIR 15 13:21:06.6±4.1,90°N,20°13'E,h26km,Md3.3/6

ISCJB 15 13:21:07.0±0.3,41°92'N,0°01:20.16E±0.02,h4km,2km,

Error ellipse: s-maj=2.8km s-min=1.8km az=142.5

ATH 15 13:21:06.3,41°96'N,20°17'E,h16km,3km,ML0.0,Error

ellipso: s-maj=10.8km s-min=2.7km az=153.0

PDG 15 13:21:07.4±0.4,41°90'N,20°13'E,h10km,MD3.2/4,

ML3.2/10,Error ellipse: s-maj=0.4km s-min=0.6km az=0

BEO 15 13:21:08.2±0.3,41°92'N,20°20'E,h4km,2km,ML3.0/10

THE 15 13:21:09.7,41°89'N,20°21'E,h13km,1km,ML3.0/6,Error

ellipso: s-maj=2.4km s-min=1.3km az=46.0

ISC 15 13:21:07.5±1.0,41°91'N,0°02:20.13E±0.02,h7km±9km,

n108,-c095/149,16C-9D,Albania

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Florina, Selva, Plijevica, Bratogost, Barje, Trebinje, Nestorio, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHL Shillong, CMR Chiang Mai Arr, MKAR Makanchi Array, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIO Ouri, JOU Okura, MJAR Matsushiro Arr, etc.

SOME 15 13:55:13.9, 46:90N, 74:98E NNC 15 13:55:14.2, 0.6, 46.96N, 74.90E, h0km, mb3.5, mpv3.2, 6C-2D, Error ellipse: s-maj=6.5km s-min=4.2km az=59.0, Suspected Mining explosion., Central Kazakhstan

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

KRNET 15 14:06:24.0, 40:56'N, 79:69'E, mb2.8 SOME 15 14:06:24.5, 40:75'N, 79:68'E, h0km NNC 15 14:06:25.0, 40:75'N, 79:70'E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=4.8km s-min=4.7km az=106.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przhheval'sk, KDJ Kajisy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ULHL Ulahol, TNSS Tian-Shan, MDOK Medeo, etc.

ISCJB 15 14:18:33.9, 0.8, 12:28'S, 0:07', 166:6'E, 0.2, h150km, mb3.7/9, Error ellipse: s-maj=23.3km s-min=10.2km

IDC 15 14:18:35.2, 5.0, 12:17'S, 166:61'E, h145km, 47km, mb3.5/9, mb1 3.7/10, mb1mx3.5/32, mbtmp4.0/10, Error ellipse: s-maj=35.0km s-min=23.4km az=146.0

ISC 15 14:18:35.4, 0.8, 12:26'S, 0:09', 166:7'E, 0.2, h150km, n12, c1504/15, mb3.8/9, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Dzum Dumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

JMA 15 14:44:02.6, 0.2, 31:31'N, 140:86'E, h20km, M3.7, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAOC Aogashimamukai, JHJC Hachiojimakai, JHJC Mitsune, etc.

DDA 15 14:46:28.8, 37:81'N, 37:67'E, h7km, 2km, ML2.6 ISK 15 14:46:28.8, 37:80'N, 37:66'E, h7km, ML1.9/5

ISCJB 15 14:46:29.0, 0.9, 37:83'N, 0:03', 37:67'E, 0.05, h11km, Error ellipse: s-maj=5.5km s-min=4.3km az=22.8

ISC 15 14:46:29.0, 0.9, 37:81'N, 0:03', 37:66'E, 0.03, h11km, n16, c047/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GZT Gaziantep, AKCD Akcadag, ATAB Bozova, etc.

IDC 15 14:48:50.8, 1.3, 18:42'N, 73:33'W, h0km, mb3.6/8, mb1 3.9/9, mb1mx3.7/34, mbtmp3.7/9, ML3.0/1, MS3.3/1, Ms1 3.3/1, ms1mx2.5/33, Error ellipse: s-maj=42.0km s-min=23.4km az=34.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like San Juan, San Jacinto, Santo Domingo, etc.

IDC 15:14:49:01.5-4.8, 16.001N, 145.97E, h198km, 23km, mb2.9/5, mb1 3.1/6, mb1mx2.9/4.3, mbtmp3.4/6, Error ellipse: s-maj=77.5km s-min=21.2km az=74.0, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Guam, Warramunga Arr, Fitzroy Crossi, etc.

IDC 15:14:59:17.1-1.2, 33.62N, 141.88E, h0km, mb3.5/5, mb1 3.7/7, mb1mx3.5/3.9, mbtmp3.6/7, ML3.0/2, MS2.6/3, Ms1 2.6/3, ms1mx2.3/4.3, Error ellipse: s-maj=28.2km s-min=20.4km az=86.0

ISC/JB 15:14:59:20.8-0.8, 33.71N, 141.76E, h0.08, h41km, mb3.5/5, MS4.2/1, Error ellipse: s-maj=10.1km s-min=7.2km az=169.2

JMA 15:14:59:22.0-0.6, 33.76N, 141.48E, h20km, M3.3, ISC 15:14:59:22.8-1.1, 33.70N, 141.7E, 0.1, h41km, n20, +152.2/1, mb3.6/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Boso 1, Boso 3, Mitsune, Hachioji jima 2, etc.

DJA 15:15:08:07.5-0.7, 3.5S, 128E, h60km, 21km, M3.7/5, mb4.0/1, mB5.1/1, MLV3.5/5, Mw(mB)4.4/1, Ceram Sea

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

IDC 15:15:09:07.0-0.8, 33.60N, 141.70E, h0km, mb3.9/12, mb1 4.0/14, mb1mx3.8/5.0, mbtmp3.9/14, ML3.3/2, MS3.1/6, Ms1 3.2/6, ms1mx2.9/3.8, Error ellipse: s-maj=19.3km s-min=15.2km az=90.0

NIED 15:15:09:03.70N, 141.60E, h8km, Mw4.0 Best double couple: M1 0.2000, -0.1015, NP1, 0.204 0.0000, 0.841 0.0000, 1.124 0.0000, NP2, 0.342 0.0000, 0.857 0.0000, 1.64 0.0000

NEIC 15:15:09:01.7-2.7, 33.59N, 141.75E, h9km, 16km, mb4.5/11, Error ellipse: s-maj=8.8km s-min=5.7km az=78.0

ISC/JB 15:15:09:03.0-0.4, 33.65N, 141.74E, 0.05, h35km, mb4.1/21, MS3.3/3, Error ellipse: s-maj=7.1km s-min=4.6km az=149.3

JMA 15:15:09:05.4-0.4, 33.72N, 141.59E, h50km, M3.5, ISC 15:15:09:05.9-0.7, 33.64N, 141.65E, 0.08, h35km, n61, +111/1, mb4.1/21, MS3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Boso 1, Boso 3, Mitsune, etc.

Table with columns: JHU, JHU, JHJC, BS04, JMKN, JAOM, JIM2, JIMZ, JIZS, JOD2, JOD2, JYJN, JRYJ, JAG, MJAR, MJAR, MJAR, MAJO, MAJO, MAJO, MJBT, MJAB, INU, ERM, JNU, ASAJ, KRSR, ANA2, H1N2, H1N1, H1N3, ULN, SONA, SONM, PBKT, CM31, CMAR, CMAR, ZAA1, ZALV, BRDH, MK01, MK31, MK32, MK3R, MAK2, NRK, KURK, ILAR, ILB, FITZ, FITZ, WB2, WR1, WRA, BCPM, AS31, ASAR, ARU, ABKAR, ARCES, AKAG, BRTR, TXAR, ISC/JB 15:15:16:15.7-0.6, 39.86N, 150.05E, h11km, Error ellipse: s-maj=6.8km s-min=5.1km az=13.2, DDA 15:15:16:15.7, 39.85N, 150.49E, h7km, 2km, ML2.6, ISK 15:15:16:15.4, 39.86N, 150.55E, h8km, ML 1.9/6, ISC 15:15:16:15.9-1.0, 39.86N, 150.04E, 35.53E, 0.03, h11km, n13, +050/16, Turkey

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like Yozgat, Yoz, COAL, SIRC, CUSAR, CORM, CORM, TOKT, CDAG, BNN, SVSK, DELI, KIRIKKALE, etc.

KIRS Kirehir-Merke 1.45 240 I/P Pn 15 16 42.2 +0.2

YAYV Yaylak 1.62 236 Pn Pb 15 16 45.3 -0.6

SERE Sereflikochisa 1.78 240 Pn Pb 15 16 47.7 -0.9

JMA 15:15:16:37.9-0.1, 23.73N, 122.87E, h56km, M2.4, ISC/JB 15:15:16:38.5-0.3, 23.73N, 122.87E, h56km, M2.4, Error ellipse: s-maj=2.8km s-min=1.8km az=153.2

TAP 15:15:16:39.5, 23.80N, 122.78E, h35km, 1km, ML3.1, D, ISC 15:15:16:37.3-1.2, 23.71N, 122.87E, 0.02, h26km, 13km, n85, +1521/155, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Yonagunijimaku, YONG, YONJ, YOJ, YOG, YATJ, HATJ, HATJ, IRIF, EOS1, etc.

KJRS Kuro-shima 1.17 63 Pn Pb 15 16 58.4 +0.4

ENLB Shoufeng 1.18 280 eP S 15 16 57.9 -0.2

YOJ Yonaguni jima 0.76 10 P S 15 16 52.6 +0.2

YOJ Yonaguni jima 0.76 10 P S 15 17 02.8 -0.3

HATJ Hateruma jima 0.93 68 P S 15 16 54.9 +0.1

IRIF Iriomote-Funau 1.01 51 P Pb 15 16 56.0 +0.2

EOS1 E51 1.08 321 eP Pb 15 16 57.8 +0.5

Table with columns: NANS, NANS, NACB, NACB, TWC, TWC, ESL, ESL, EGFH, EGFH, JIJ, JIJ, HGSD, HGSD, HGSD, ETLH, ETLH, ETLH, EHY, EHY, YULB, YULB, YULB, TWF1, TWF1, TWF1, NTC, NTC, NTC, TWE, TWE, TWE, CHKT, CHKT, CHKT, ENTT, ENTT, ENTT, WB1, WB1, NDT, NDT, NDT, FULB, FULB, FULB, WHF, WHF, WHF, NNSB, NNSB, NNSB, OWD, OWD, OWD, TIPB, TIPB, TIPB, VVDT, VVDT, VVDT, JISG, JISG, JISG, CHGB, CHGB, CHGB, NWLT, NWLT, NWLT, TWT, TWT, TWT, TDCB, TDCB, TDCB, YHNB, YHNB, YHNB, NSK, NSK, NSK, SSLB, SSLB, SSLB, ELDTW, ELDTW, ELDTW, TATO, TATO, TATO, SMLT, SMLT, SMLT, TTN, TTN, TTN, WHYT, WHYT, WHYT, WHP, WHP, WHP, TYC, TYC, TYC, YM07, YM07, YM07, YM01, YM01, YM01, TWGT, TWGT, TWGT, TWGT, TWGT, TWGT, YM10, YM10, YM10, YM05, YM05, YM05, YM04, YM04, YM04

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like Yozgat, Yoz, COAL, SIRC, CUSAR, CORM, CORM, TOKT, CDAG, BNN, SVSK, DELI, KIRIKKALE, etc.

NSK Sanguang 1.68 305 P Pb 15 17 05.8 +0.7

SSLB Suanglung 1.75 273 eP Pb 15 17 06.9 +0.8

ELDTW Lidau 1.77 254 P Pb 15 17 06.9 +0.5

TATO Taipei 1.78 315 eP Pb 15 17 08.1 -1.3

SMLT Sun Moon Lake 1.81 276 eP Pb 15 17 08.3 +1.4

TTN Taitung 1.84 239 eP Pb 15 17 08.5 +1.2

WHYT Xinyi Township 1.85 270 eP Pb 15 17 08.4 +1.1

WHP Taichung City 1.85 288 eP Pb 15 17 10.3 -0.2

TYC Yuch 1.85 277 eP Pb 15 17 08.4 +1.1

YM07 Y07 1.85 322 eP Pb 15 17 08.7 +1.2

YM01 Y01 1.86 321 eP Pb 15 17 09.6 -1.1

TWGT TWT 1.87 242 eP Pb 15 17 08.2 +0.7

TWGT TWT 1.87 242 eP Pb 15 17 08.1 +0.5

YM10 Y10 1.87 321 eP Pb 15 17 10.0 -0.9





Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BHW Baring Head, PLWZ Palliser, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, ASAR 4.3nm, 0.5s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CN2, CN2 comp=N, 130nm, 0.6s, etc.

ISC/JB 15:16:39.10.5.0.4, 58.84N.0.03:152.41W.0.07, h77km, 6km, mb3.4/1, Error ellipse: s-maj=6.1km s-min=4.4km az=16.8

ISC 15:16:39.12.0.1.0, 58.85N.0.03:152.42W.0.05, h61km, 12km, n73, c0882/85, Kodiak Island region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AUIJ Augustine Jueg, AUIJ Augustine Pinn, etc.

IDC 15:16:45.50.9.4.7, 18.43S.175.26W, h0km, mb4.1/4, mb1 3.6/6, mb1mx3.7/37, mbtmp4.156.0, Tonga Islands

IDC 15:16:42.2.0.4, 15.83N.94.37W, h90km, 14km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warrungarra Arr, etc.

ISC/JB 15:16:56.59.3.0.7, 7.08S.0.05:129.38E.0.08, h139km, mb3.6/1, Error ellipse: s-maj=11.5km s-min=7.0km

IDC 15:16:56.59.9.1.7, 7.09S.129.42E, h123km, 20km, mb3.4/1, mb1 3.6/6, mb1mx3.2/41, mbtmp3.9/6, MS3.5/2, Ms1 3.5/2, ms1mx2.5/29, Error ellipse: s-maj=27.0km s-min=13.6km

ISC 15:16:57.00.1.1, 0.7.18S.0.07:129.5E.0.1, h139km, n8, c285/9, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OQRSS Ossora, CMIG Matias Romero, etc.

ISC/JB 15:16:56.59.3.0.7, 7.08S.0.05:129.38E.0.08, h139km, mb3.6/1, Error ellipse: s-maj=11.5km s-min=7.0km

IDC 15:16:56.59.9.1.7, 7.09S.129.42E, h123km, 20km, mb3.4/1, mb1 3.6/6, mb1mx3.2/41, mbtmp3.9/6, MS3.5/2, Ms1 3.5/2, ms1mx2.5/29, Error ellipse: s-maj=27.0km s-min=13.6km

ISC 15:16:57.00.1.1, 0.7.18S.0.07:129.5E.0.1, h139km, n8, c285/9, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI Baumata, BATI 9.1nm, 0.3s, etc.

IDC 15:16:34:30.1.6.0, 26.39N.143.46E, h0km, mb3.4/3, mb1 3.6/6, mb1mx3.2/57, mbtmp3.5/4, ML2.6/1, Error ellipse: s-maj=230.0km s-min=27.5km az=75.0, Bonin Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MJAR Matsushiro Arr, WRA Warrungarra Arr, etc.

ISC/JB 15:16:45.10.9.0.6, 40.49N.0.04:122.41E.0.07, h10km, mb3.6/5, MS3.2/2, Error ellipse: s-maj=8.9km s-min=4.4km az=26.4

IDC 15:16:45:11.4.1.3, 30.47N.122.52E, h0km, mb3.2/4, mb1 3.5/6, mb1mx3.3/48, mbtmp3.2/6, ML3.2/1, MS2.7/2, Ms1 2.7/2, ms1mx2.2/24, Error ellipse: s-maj=30.6km s-min=20.4km az=76.0

BUI 15:16:45:14.1, 40.51N.122.41E, h6km, mb3.6/1, ML3.5/10, ISC 15:16:45:13.4.0.7, 40.53N.0.05:122.45E.0.08, h10km, n14, c1971/18, mb3.4/5, Northeastern China

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SNY Shenyang, SNY Yellowknife Arr, etc.

ISC/JB 15:17:16.28.5.0.3, 5.89N.0.03:126.11E.0.05, h109km, 4km, mb4.1/16, Error ellipse: s-maj=8.4km s-min=5.0km az=169.2

DJA 15:17:16.28.1.0.6, 6.6N.4.12.6E, h128km, 10km, M4.3/9, mb4.7/7, mb4.5/8, MLV4.7/9, MW(MB)3.9/7, Mwps.6/1, NEIC 15:17:16.28.3.0.9, 6.02N.126.32E, h101km, 6km, mb4.4/13, Error ellipse: s-maj=15.8km s-min=9.7km az=65.0

IDC 15:17:16.28.5.0.3, 5.89N.0.03:126.11E.0.05, h109km, 4km, mb4.1/16, mb1 3.8/9, mb1mx3.4/45, mbtmp4.0/9, MS2.9/1, Ms1 2.9/1, ms1mx2.2/49, Error ellipse: s-maj=44.7km s-min=11.3km az=72.0

ISC 15:17:16.28.5.0.7, 5.91N.0.04:126.12E.0.06, h99km, 6km, n54, c1945/68, mb4.1/16, 4C-1D, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DDMP Don Marcelino, DDMP Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BUKP Musuan, CTBH Cotabato-PC H, SGTSI Sangihe, CGP Cagayan de Oro, BUTP Butuan, etc.

KRNET 15 17:42:02.6:0.1, 40.42N:77.16E, h15km, mb2.8
NNC 15 17:42:06.6:1.4, 40.56N:77.19E, h0km, mb3.5, mpv3.2,
Error ellipse: s-maj=9.3km s-min=6.8km az=178.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NRN Naryn, TARG Taragay, KYRGY Kyrgyzstan, etc.

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

CHHK Chushkaly 5.7nm,0.4s
CHHK Chushkaly 5.7nm,0.4s
CHHK Chushkaly 5.7nm,0.4s

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

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

ISCJB 15 17:59:27.4:0.4, 24.05S:0.04:67.15W:0.04, h191km, 5km,
mb3.4/3, Error ellipse: s-maj=6.6km s-min=5.1km az=41.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SLA San Lorenzo, HJA Humahuaca, LVC Limon Verde, etc.

ISC 15 18:04:20.6:3.0, 6.70S: 154.41E, h75km, 26km, mb3.6/10,
mb1.3/8, mb1mx3.6/45, mbtmp4.0/13, MS2.8/2,
Ms1 3.2/8, ms1mx2.8/31, Error ellipse: s-maj=21.2km
s-min=19.5km az=104.0













LZH		sP	sP	22 55 51.8	-3.3
LZH	comp=Z,11nm,1.1s	pmax	pmax		
LZH	comp=Z,99nm,4.3s	LR	LR		
LZH	comp=N,320nm,15.2s	LR	LR		
LZH	comp=E,330nm,15.6s	LR	LR		
LZH	comp=Z,450nm,18.2s	LR	LR		
SEY	Seymchan	75.07 354 P	P	22 55 43.1	-1.3
GAMB	Gambell	77.40 10 eP	P	22 55 57.8	+0.2
QSPA	South Pole Qu	78.27 180 eP	P	22 56 03.3	+0.6
ULN	Ulaanbaatar	78.37 324 eP	P	22 56 04.0	+0.4
SONM	Songino Array	78.73 324 P	P	22 56 06.3	+0.7
GTA	Gaotai	78.94 314 eP	P	22 56 08.3	+1.4
GTA		78.94 314 eP	P	22 56 12.5	-2.9
GTA		78.94 314 eP	P	22 56 14.5	-0.7
ANM	Nome	79.35 13 eP	P	22 56 09.1	+0.7
BILL	Bilibino	79.58 1 eP	P	22 56 09.6	0.0
TRF	Thorofore Moun	82.44 19 eP	P	22 56 24.9	-0.2
KLU	Klutina	82.55 21 eP	P	22 56 26.1	+0.5
RND	Reindeer	82.86 19 eP	P	22 56 27.5	+0.3
DHY	Denali Highway	83.12 20 eP	P	22 56 30.8	+2.1
IM3	Indian Mountai	83.32 16 eP	P	22 56 29.1	-0.3
BALM	Baldy	83.58 23 eP	P	22 56 31.0	0.0
MAW	Mawson	83.77 202 LR	LR	23 29 32.9	
WRH	Wood River Hill	83.85 19 eP	P	22 56 31.3	-0.8
CCB	Clear Creek Bu	84.06 19 eP	P	22 56 32.2	-1.1
MDM	Murphy Dome	84.15 18 eP	P	22 56 32.8	-0.9
HDA	Harding Lake	84.17 19 eP	P	22 56 33.3	-0.6
COLA	College	84.21 18 eP	P	22 56 33.3	-0.6
MENT	Mentasta	84.28 21 eP	P	22 56 34.5	0.0
RIDG	Independen'e Rid	84.41 20 eP	P	22 56 35.8	+0.7
ILAR	Eielson Array	84.44 19 eP	P	22 56 34.5	-0.6
ILAR	Eielson Array	84.44 19 eP	P	22 56 34.5	-0.6
ILB	Eielson Array	84.44 19 eP	P	22 56 34.6	-0.6
IL1	Eielson Array	84.44 19 eP	P	22 56 33.2	-2.0
DOT	Dot Lake	84.62 20 eP	P	22 56 36.1	0.0
SCRK	Sand Creek	84.86 20 eP	P	22 56 37.7	+0.2
HUMO	Hull Mountain	85.11 45 eP	P	22 56 39.7	+0.6
AFDM	Forest Hills D	85.29 49 eP	P	22 56 40.3	+0.2
CMB	Columbia Colle	85.43 50 eP	P	22 56 40.1	-0.7
WAKR	Walker	86.29 50 eP	P	22 56 44.7	-0.6
EGAG	Eagle	86.32 20 eP	P	22 56 44.7	+0.2
H04A	Detroit Lake	86.36 43 eP	P	22 56 45.0	-0.3
DAWY	Dawson	86.50 21 eP	P	22 56 44.9	-0.6
K05A	Summer Lake	86.58 45 eP	P	22 56 47.2	+0.6
MOD	Modoc Plateau	86.73 46 eP	P	22 56 47.1	-0.2
PINE	Pine Mountain	86.90 44 eP	P	22 56 48.7	+0.6
NV01	Mina Array Sit	87.11 50 eP	P	22 56 49.1	-0.3
NVAR	Mina Array Bea	87.11 50 eP	P	22 56 49.5	+0.2
NVAR	Mina Array Bea	87.11 50 eP	P	22 56 49.5	+0.2
NVAR	Mina Array Bea	87.11 50 eP	P	22 56 49.5	+0.2
NV11	Mina Array Sit	87.22 50 eP	P	22 56 50.0	+0.2
KVN	Kaiserville	87.45 49 eP	P	22 56 51.2	+0.3
I07A	Izze	87.98 44 eP	P	22 56 53.6	+0.3
WVOR	Wild Horse Val	88.07 46 eP	P	22 56 54.1	+0.4
G08A	Pilot Rock	88.72 43 eP	P	22 56 57.0	+0.3
SHPR	Sheep Range	88.97 53 eP	P	22 56 59.0	+0.9
WMQ	Urumqi	88.99 315 eP	P	22 56 59.3	+1.3
WMQ	Urumqi	88.99 315 eP	P	22 57 04.8	-2.5
WMQ	Urumqi	88.99 315 eP	P	22 57 04.8	-2.5
WMQ	Urumqi	88.99 315 eP	P	22 57 04.8	-2.5
WMQ	Urumqi	88.99 315 eP	P	22 57 04.8	-2.5
R11A	Troy Canyon, C	89.14 51 eP	P	22 56 59.1	+0.2
W13A	Hualapai Mount	89.51 54 eP	P	22 57 02.0	+0.8
BMO	Blue Mountains	89.71 44 eP	P	22 57 01.1	-0.2
ELK	Elko	90.03 48 eP	P	22 57 03.6	+0.5
F10A	Beach Ranch, E	90.09 43 eP	P	22 57 03.1	+0.1
PSUT	Pine Spring	90.50 51 eP	P	22 57 05.9	+0.6
CCUT	Cedar City	90.53 52 eP	P	22 57 07.0	+1.1
SZCU	Shurtz Canyon	90.85 52 eP	P	22 57 08.0	+1.0
SYO	Syowa Base	90.88 197 eP	P	22 57 11.4	-4.1
U15A	North Rim	91.19 53 eP	P	22 57 12.3	+2.5
HLUD	Hailey	91.36 46 eP	P	22 57 09.5	+0.4
MTPU	Mount Pierson	91.65 52 eP	P	22 57 12.3	+1.4
DUG	Dugway, Tooele	91.69 49 eP	P	22 57 12.3	+1.6
BGU	Big Grassy Mou	91.70 49 eP	P	22 57 11.3	+0.5
MSU	Marysville	91.77 51 eP	P	22 57 12.5	+1.3
HVU	Hansel Valley	92.09 48 eP	P	22 57 13.2	+0.7
NLU	North Lily Min	92.18 50 eP	P	22 57 13.8	+0.7
MCMT	McKenzie Canyo	92.76 45 eP	P	22 57 16.2	+0.5
LRM	Limekiln Ridge	93.27 44 eP	P	22 57 18.1	+0.1
MK01	Makanchi Array	93.44 317 eP	P	22 57 18.3	-0.2
MKAR	Makanchi Array	93.45 317 eP	P	22 57 18.5	0.0
ZALV	Zalesovo Beam	93.63 324 P	P	22 57 18.3	-0.8
ZALV	Zalesovo Beam	93.63 324 P	P	22 57 17.8	-1.3
MAKZ	Makanchi	93.67 317 eP	P	22 57 19.8	+0.3
FXWY	Fox Creek	93.77 46 eP	P	22 57 20.8	+0.4
BOZ	Bozeman (W)	93.78 44 eP	P	22 57 20.8	+0.5
REDW	Red Top Meadow	93.83 47 eP	P	22 57 21.0	+0.3
IMW	Indian Meadow	93.89 46 eP	P	22 57 21.6	+0.7
HRY	Holter Researc	93.89 43 eP	P	22 57 21.1	+0.4
MOOW	Moose Ponds	93.99 46 eP	P	22 57 21.5	+0.2
PDAR	Pinedale Array	94.64 47 P	P	22 57 23.1	-1.3

PDAR	Pinedale Array	94.64 47 eP	P	22 57 23.5	-0.9
EGMT	Eagleton	95.55 42 eP	P	22 57 28.4	+0.3
YKA	Yellowknife Ar	95.97 27 P	P	22 57 28.4	-1.2
YKA	Yellowknife Ar	95.97 27 eP	LR	23 24 54.8	
YKBS	Yellowknife Ar	95.97 27 eP	P	22 57 27.8	-1.9
NRK	Noril'sk	96.48 340 LR	LR	23 43 23.9	
KSH	Kashi	96.54 309 P	P	22 57 35.4	+2.4
KSH	Kashi	96.54 309 pP	pP	22 57 39.4	-2.9
KSH	Kashi	96.54 309 sP	sP	22 57 42.6	-3.1
TXAR	Lajitas Array	96.90 62 P	P	22 57 35.4	+0.6
TXAR	Lajitas Array	96.90 62 LR	LR	23 23 30.0	
Q24A	Divide	97.24 52 eP	P	22 57 33.9	-2.6
ARCES	ARCCESS Array B	116.79 345 PKP	PKPdf	23 02 46.3	-0.5
FINES	FINES Array B	122.11 338 PKP	PKKfP	23 02 57.2	-0.1
NOV	NORSAF Array B	127.15 344 PKP	PKPdf	23 03 07.5	-0.1
SIA	SINSAF Array B	127.15 344 PKP	PKPdf	23 03 06.2	-0.7
GERES	GERESS Array B	135.94 333 PKP	PKPdf	23 03 23.7	-0.3
KEST	Kesra	147.44 321 PKPbc	PKPdf	23 03 46.0	+1.1
ESDC	Sonsec Array	150.48 342 PKPbc	PKPbc	23 03 54.6	-0.3
TORD	Torodi Ar. Bea	163.53 277 PKP	PKPdf	23 04 07.0	+3.0
TORD	Torodi Ar. Bea	163.53 277 PKP	PKPab	23 04 59.8	+1.5

**ISC 15 22:46:30.0-4.8, 39.14N:110.15E, h0km, mb3.6/4, mb1 3.8/5, mb1mx3.4/49, mbtmp3.7/5, MS3.4/3, Ms1 3.4/3, ms1mx2.6/59, Error ellipse: s-maj=101.9km s-min=23.0km az=86.0, Western Nei Mongol**

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
SONM	Songino Array	9.11 344	Op Pn	22 48 42.2	-0.7
SONM	Songino Array	9.11 344	Lg Pn	22 51 20.1	
KSR5	Korea Array	14.06 91	LR	22 55 48.4	
MKAR	Makanchi Array	21.70 300	P	22 51 22.7	+0.3
ZALV	Zalesovo Beam	22.70 319	P	22 51 33.5	+0.4
CMAR	Chiang Mai Arr	22.79 208	P	22 51 34.2	0.0
KURB	Kurchatov Arra	24.98 308	P	22 51 54.8	-0.4
KVAR	Kislovodsk Arr	49.45 299	LR	23 20 46.7	
ULM	Lac du Bonnet	88.09 16	LR	23 43 03.0	

**ISC 15 22:48:36.4-2.4, 5.83S:130.00E, h0km, mb3.7/1, mb1 3.6/3, mb1mx3.4/42, mbtmp3.4/3, ML3.5/2, Error ellipse: s-maj=141.8km s-min=31.8km az=70.0, Banda Sea**

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
WRA	Warramunga Arr	14.65 164	Op Pn	22 52 03.6	-1.5
WRA	Warramunga Arr	14.65 164	Sn	22 54 33.9	-1.4
ASAR	Alice Springs	18.13 168	P	22 52 50.5	+0.3
MKAR	Makanchi Array	67.25 327	P	22 59 32.9	0.0

**ISC/JB 15 22:48:53.0-0.3, 24.30N:0.02-122.24E:0.02, h58km, 5km, Error ellipse: s-maj=3.2km s-min=2.3km az=154.0, TAP 15 22:48:52.7, 24.29N:122.22E, h58km, ML3.0, C, JMA 15 22:48:53.0, 1.2, 24.30N:122.24E, h59km, 2km, M2.3**

**ISC 15 22:48:53.3-1.2, 24.30N:0.03-122.23E:0.02, h58km, 8km, n65, r062/129, Taiwan region**

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
EOS1	EOS1	0.26 339	I Pn	22 49 03.1	+0.2
EOS1	EOS1	0.26 339	S	22 49 10.2	+0.5
NANB	Nanano	0.46 286	I Pn	22 49 04.5	-0.1
NANB	Nanano	0.46 286	eS	22 49 13.1	+0.2
TWC	Suao	0.46 311	I Pn	22 49 04.6	-0.1
TWC	Suao	0.46 311	eS	22 49 12.7	-0.2
ENA	Nanau	0.46 286	I Pn	22 49 04.7	0.0
ENA	Nanau	0.46 286	S	22 49 13.3	+0.3
NACB	Ninganchiao	0.59 257	I Pn	22 49 05.8	-0.4
NACB	Ninganchiao	0.59 257	eS	22 49 15.1	-0.4
TWD	Chiawan	0.62 249	I Pn	22 49 06.2	-0.3
TWD	Chiawan	0.62 249	eS	22 49 16.0	0.0
NTC	Toungeng	0.66 326	eP Pn	22 49 07.1	+0.2
NTC	Toungeng	0.66 326	eS	22 49 16.6	-0.3
TWE	Neicheng	0.66 309	I Pn	22 49 07.3	+0.4
TWE	Neicheng	0.66 309	eS	22 49 17.1	+0.2
JYNG	Yongunijimaku	0.67 77	P S	22 49 07.1	+0.1
ETLH	Xiulin Townshi	0.69 262	I Pn	22 49 07.1	-0.3
ETLH	Xiulin Townshi	0.69 262	eS	22 49 17.5	-0.2
ENTT	Nioudou	0.69 299	eP Pn	22 49 07.7	+0.3
ENTT	Nioudou	0.69 299	eS	22 49 18.0	+0.4
ENLB	Shoufeng	0.70 235	I Pn	22 49 07.1	-0.3
ENLB	Shoufeng	0.70 235	eS	22 49 18.1	+0.4
NDT	Datong Townshi	0.72 295	I Pn	22 49 07.9	+0.3
NDT	Datong Townshi	0.72 295	eS	22 49 18.8	+0.6
YOJ	Yonguniji jima	0.73 77	I Pn	22 49 07.9	+0.2
YOJ	Yonguniji jima	0.73 77	eS	22 49 18.5	+0.2
YOJ	Yonguniji jima	0.73 77	P S	22 49 07.9	+0.2
TWB1	Santiao Chiao	0.73 344	I Pn	22 49 18.3	0.0
TWB1	Santiao Chiao	0.73 344	eS	22 49 07.4	-0.5
TIPB	Shuangxi	0.76 331	I Pn	22 49 08.1	-0.2
TIPB	Shuangxi	0.76 331	eS	22 49 18.5	-0.6
NNSB	Datong	0.78 279	eP Pn	22 49 08.5	-0.1
NNSB	Datong	0.78 279	eS	22 49 20.2	+0.4
NNS	Nan Shan	0.79 280	I Pn	22 49 08.6	-0.1
NNS	Nan Shan	0.79 280	eS	22 49 19.9	-0.1
NWL1	Wulai	0.81 306	eP Pn	22 49 09.2	+0.4
NWL1	Wulai	0.81 306	eS	22 49 20.9	+0.6

YHNB	Yeheng	0.86 295	I Pn	22 49 09.7	+0.2
YHNB	Yeheng	0.86 295	eS	22 49 21.6	+0.1
NWF	Wu-fen Shan	0.87 332	eP Pn	22 49 09.2	-0.4
NWF	Wu-fen Shan	0.87 332	eS	22 49 20.9	-0.7
WFBS	Wu-fen Shan	0.87 332	eP Pn	22 49 09.2	-0.3
WFBS	Wu-fen Shan	0.87 332	eS	22 49 20.9	-0.5
NSK	Sanjuang	0.88 295	I Pn	22 49 09.9	+0.2
NSK	Sanjuang	0.88 295	eS	22 49 21.9	+0.1
ESL	Shilin	0.88 236	P Pn	22 49 09.2	-0.5
ESL	Shilin	0.88 236	eS	22 49 21.4	-0.3
TWA	Mucha	0.89 319	P Pn	22 49 10.0	+0.1
TWA	Mucha	0.89 319	eS	22 49 22.3	+0.1
WHF	Hehuan Shan	0.90 260	I Pn	22 49 09.8	-0.5
WHF	Hehuan Shan	0.90 260	eS	22 49 22.7	-0.1
NHHD	Xindian Distri	0.92 316	eP Pn	22 49 10.7	+0.5
NHHD	Xindian Distri	0.92 316	eS	22 49 23.0	+0.3
TATO	Taipai	0.95 315	eP Pn	22 49 10.5	-0.1
TATO	Taipai				



113A	Mohawk Valley, comp=Z,40nm,0.8s	77.78	51	eP	P	23 08 16.9	+1.2
I04A	Tendick Farm, baz=234,SNR=6.6	77.87	37	P	P	23 08 16.5	+0.5
KVN	Kaiserville, comp=Z,38nm,0.9s	77.89	43	eP	P	23 08 17.1	+0.7
KVN	Kaiserville, comp=Z,38nm,0.9s	77.89	43	eP	P	23 08 17.1	+0.7
MOD	Modoc Plateau, comp=Z,27nm,1.0s	78.04	40	eP	P	23 08 17.7	+0.6
NEE2	Needles Airpor baz=241	78.11	48	P	P	23 08 18.4	+0.9
H04D	Lebanon, baz=233,SNR=5.6	78.12	37	P	P	23 08 18.2	+1.0
214A	Organ Pipe Nat baz=243	78.12	52	P	P	23 08 18.9	+1.3
K05A	Summer Lake, comp=Z,63nm,1.0s	78.15	39	eP	P	23 08 18.9	+1.1
G03D	McMinnville, O baz=233	78.23	36	P	P	23 08 18.5	+0.7
PDMC1	Parker Dam,Lak baz=241,SNR=7.0	78.23	49	P	P	23 08 19.2	+1.1
J05D	Fort Rock, OR, baz=235,SNR=40	78.27	38	P	P	23 08 19.4	+1.1
BRLK	Bradley Lake, comp=Z,39nm,0.9s	78.52	13	eP	P	23 08 19.3	+0.2
H04A	Detroit, comp=Z,65nm,1.4s	78.53	37	eP	P	23 08 19.8	+0.2
SHPR	Sheep Range, comp=Z,22nm,1.0s	78.58	47	eP	P	23 08 21.2	+1.1
PINE	Pine Mountain, comp=Z,62nm,1.1s	78.73	38	eP	P	23 08 22.0	+1.2
R50	Redoubt South, comp=Z,22nm,1.1s	78.76	12	eP	P	23 08 20.2	-0.4
W13A	Hualapai Moun, comp=Z,22nm,1.1s	78.80	48	eP	P	23 08 19.6	-1.9
SVW2	Sparrow, comp=Z,12nm,0.9s	78.81	11	eP	P	23 08 20.2	-0.4
I05D	Terrebonne, OR, comp=Z,24nm,1.0s	78.82	37	P	P	23 08 21.8	+0.7
E03A	Lebanon, comp=Z,60nm,1.0s	78.88	35	eP	P	23 08 20.4	-0.8
Y14A	Wickenburg, comp=Z,30nm,1.1s	78.89	50	eP	P	23 08 21.3	-0.5
F04D	Rainier, OR, baz=233	78.90	35	P	P	23 08 22.7	+1.3
KLR	Kul'dur, comp=Z,3.2nm,0.9s, baz=122,slow=0.1,SNR=6.4	78.96	329	P	P	23 08 21.9	+0.2
KLR	Kul'dur, comp=Z,3.2nm,0.9s, baz=122,slow=0.1,SNR=6.4	78.96	329	eP	P	23 08 22.4	+0.7
BMN	Battle Mountain, comp=Z,5.0nm,1.1s	79.19	42	eP	P	23 08 22.4	-0.9
BMN	Battle Mountain, comp=Z,5.0nm,1.1s	79.19	42	eP	P	23 08 22.4	-0.9
R11A	Troy Canyon, C, comp=Z,1.5nm,0.8s	79.20	45	eP	P	23 08 23.9	+0.5
R11A	Troy Canyon, C, comp=Z,1.5nm,0.8s	79.20	45	eP	P	23 08 24.0	+0.5
NLWA	Neilton Lookou, comp=Z,49nm,1.1s	79.23	34	eP	P	23 08 24.2	+1.0
G05D	Wamic, OR, baz=234	79.36	37	P	P	23 08 24.5	+0.6
WVOR	Wild Horse Val, comp=Z,42nm,1.0s	79.37	40	eP	P	23 08 24.9	+0.7
WVOR	Wild Horse Val, comp=Z,42nm,1.0s	79.37	40	eP	P	23 08 24.9	+0.7
E04D	Cinebar, baz=233	79.43	35	P	P	23 08 25.1	+0.9
F05D	White Salmon, baz=234	79.65	36	P	P	23 08 26.0	+0.6
GAMB	Gambell, comp=Z,1.1nm,0.9s	79.65	3	eP	P	23 08 25.5	+0.5
D04E	Lakebay, baz=233	79.69	34	P	P	23 08 26.6	+1.0
D03D	Eldon, baz=233,SNR=9.8	79.73	34	P	P	23 08 26.6	+0.8
G06A	Carlson Farm, comp=Z,45nm,1.5s	79.74	37	eP	P	23 08 26.5	+0.5
G06A	Ize, comp=Z,45nm,1.1s	79.75	38	eP	P	23 08 27.1	+0.9
I07A	Tucson, comp=Z,41nm,0.9s	79.81	52	eP	P	23 08 28.4	+1.7
TUC	Tucson, comp=Z,41nm,0.9s	79.81	52	eP	P	23 08 28.3	+1.5
LON	Longmire, baz=244	79.96	35	eP	P	23 08 27.4	+0.2
LON	Longmire, comp=Z,44nm,1.8s	79.96	35	eP	P	23 08 27.4	+0.2
RC01	Rabbit Creek A, comp=Z,24nm,1.0s	79.97	13	eP	P	23 08 26.8	+0.1
J08A	Circle Bar Ran, comp=Z,41nm,1.0s	79.97	39	eP	P	23 08 28.2	+0.9
SUA	Susitna One, comp=Z,38nm,0.8s	80.09	13	eP	P	23 08 26.9	-0.6
D05A	Enunclaw, comp=Z,94nm,1.3s	80.12	35	eP	P	23 08 29.5	+1.6
PGC	Sidney, comp=Z,32nm,0.9s	80.22	33	eP	P	23 08 29.3	+1.0
X16A	Lo Mia Camp, P, comp=Z,22nm,0.9s	80.26	50	eP	P	23 08 30.6	+1.5
CCUT	Cedar City, comp=Z,24nm,1.0s	80.34	46	eP	P	23 08 31.3	+1.7
KNB	Kanab, comp=Z,20nm,1.0s	80.47	47	eP	P	23 08 32.0	+1.8
PSUT	Pine Spring, comp=Z,18nm,0.8s	80.48	45	eP	P	23 08 31.0	+0.8
KNK	Knik Glacier, comp=Z,22nm,1.0s	80.54	14	eP	P	23 08 29.4	-0.4
PMR	Palmer, comp=Z,32nm,1.1s	80.55	13	eP	P	23 08 29.3	-0.4
PMR	Palmer, comp=Z,33nm,1.1s	80.55	13	eP	P	23 08 29.3	-0.4
SZCU	Shurtz Canyon, comp=Z,27nm,1.0s	80.56	47	eP	P	23 08 32.9	+2.2
319A	Douglas, comp=Z,38nm,0.9s	80.56	54	eP	P	23 08 32.5	+1.8
U15A	North Rim, comp=Z,34nm,0.9s	80.57	48	eP	P	23 08 32.7	+1.8
ELK	Elko, comp=Z,29nm,1.1s	80.65	43	eP	P	23 08 31.7	+0.6
A04D	Lummi Island, baz=233,SNR=6.1	80.66	33	P	P	23 08 31.5	+0.9
B05A	Bryant, baz=233,SNR=6.4	80.71	34	P	P	23 08 31.4	+0.5
G08A	Pilot Rock, comp=Z,27nm,1.4s	80.75	38	eP	P	23 08 32.1	+0.7
GHO	Glory Hole Cre, comp=Z,34nm,0.9s	80.75	13	eP	P	23 08 30.7	-0.3
WUAZ	Wupatki, baz=243	80.81	49	P	P	23 08 33.1	+1.1
ANM	Nome, comp=Z,14nm,1.0s	80.85	5	eP	P	23 08 32.2	+0.9
LTY	Liberty, comp=Z,13nm,0.9s	80.89	35	eP	P	23 08 32.2	+0.2
SML	Sawmill, comp=Z,27nm,1.4s	80.92	14	eP	P	23 08 31.6	-0.2
SML	Sawmill, comp=Z,27nm,1.4s	80.92	14	eP	P	23 08 31.6	-0.2
DIV	Divide, comp=Z,27nm,1.4s	80.93	15	eP	P	23 08 31.9	0.0
PKCU	Pink Cliffs, comp=Z,41nm,0.9s	81.03	47	eP	P	23 08 35.8	+2.5
HAWA	Hanford, comp=Z,39nm,1.2s	81.04	36	eP	P	23 08 33.5	+0.8
C06D	Leavenworth, baz=234	81.16	35	P	P	23 08 33.4	+0.1
SCM	Sheep Creek Mo, comp=Z,42nm,0.8s	81.17	14	eP	P	23 08 32.9	-0.2
SCM	Sheep Creek Mo, comp=Z,42nm,0.8s	81.17	14	eP	P	23 08 32.9	-0.2
KLU	Klutina, comp=Z,42nm,0.8s	81.21	15	eP	P	23 08 33.3	0.0
E08A	Dider Farm, El, comp=Z,18nm,1.1s	81.36	37	eP	P	23 08 35.5	+1.2
TGL	Tana Glacier, comp=Z,42nm,1.0s	81.38	16	eP	P	23 08 34.3	0.0
MTPU	Mount Pierson, comp=Z,54nm,1.1s	81.40	46	eP	P	23 08 37.2	+2.0
X18A	Snowflake, comp=Z,22nm,1.0s	81.42	50	eP	P	23 08 36.9	+1.7
BMO	Blue Mountains, comp=Z,37nm,1.4s	81.49	39	eP	P	23 08 35.6	+0.4

BMO	Blue Mountains, comp=Z,37nm,1.4s	81.49	39	eP	P	23 08 35.6	+0.4
MSU	Marysville, comp=Z,22nm,1.1s	81.62	46	eP	P	23 08 37.7	+1.5
HPIG	HPIG, comp=Z,22nm,1.1s	81.67	59	eP	P	23 08 37.7	+1.5
HPIG	HPIG, comp=Z,22nm,1.1s	81.67	59	eP	P	23 08 37.7	+1.5
BALM	Baldy, comp=Z,30nm,0.8s	81.74	16	eP	P	23 08 36.1	0.0
BALM	Baldy, comp=Z,30nm,0.8s	81.74	16	eP	P	23 08 36.1	0.0
D08A	Wollman Farm, comp=Z,24nm,1.0s	81.76	36	eP	P	23 08 37.1	+0.7
W18A	Petrified For, comp=Z,62nm,1.5s	81.83	50	eP	P	23 08 38.9	+1.6
W18A	Petrified For, comp=Z,62nm,1.5s	81.83	50	eP	P	23 08 38.3	+1.0
E09A	Wood Farm, Sta, comp=Z,26nm,1.8s	81.90	37	eP	P	23 08 37.2	+0.1
TRF	Thorofare Moun, comp=Z,20nm,0.9s	81.97	12	eP	P	23 08 36.5	-0.8
DUG	Dugway, Tooele, comp=Z,29nm,1.1s	81.98	44	eP	P	23 08 38.5	+0.6
DUG	Dugway, Tooele, comp=Z,29nm,1.1s	81.98	44	eP	P	23 08 38.5	+0.6
JIS	Juneau Island, comp=Z,21nm,1.1s	82.03	21	eP	P	23 08 38.4	+0.9
BESE	Bessie Mountain, comp=Z,39nm,1.2s	82.12	20	eP	P	23 08 38.8	+0.9
F10A	Beach Ranch, E, comp=Z,50nm,1.1s	82.14	38	eP	P	23 08 38.7	+0.2
SEY	Seymour, comp=Z,18nm,0.9s, baz=143,slow=5.6,SNR=31	82.14	347	P	P	23 08 37.8	-0.2
HARP	HAARP, comp=Z,30nm,1.0s	82.18	15	eP	P	23 08 38.1	-0.1
BGU	Big Grassy Mou, comp=Z,25nm,1.5s	82.19	44	eP	P	23 08 40.0	+1.0
I21A	Cokes Peak, D, baz=246,SNR=10	82.20	53	P	P	23 08 40.8	+1.6
RND	Reindeer, comp=Z,59nm,1.0s	82.22	13	eP	P	23 08 38.0	-0.5
RND	Reindeer, comp=Z,59nm,1.0s	82.22	13	eP	P	23 08 38.0	-0.5
LLL	Lillooet, comp=Z,5nm,0.9s	82.22	32	eP	P	23 08 39.1	+0.3
DHY	Denali Highway, comp=Z,9.7nm,0.6s	82.25	13	eP	P	23 08 38.2	-0.5
B08A	Colville Reser, comp=Z,16nm,0.8s	82.26	35	eP	P	23 08 38.9	-0.1
NLU	North Lily Mtn, comp=Z,21nm,1.0s	82.37	45	eP	P	23 08 40.8	+0.8
BPAW	Bear Paw Mtn., comp=Z,13nm,1.0s	82.42	11	eP	P	23 08 37.9	-1.6
Q16A	Castle Valley, comp=Z,22nm,1.9s	82.51	46	eP	P	23 08 42.5	+1.8
C09A	Chrisman Ranch, comp=Z,23nm,0.3s	82.54	36	eP	P	23 08 40.8	+0.4
PAX	Paxson, comp=Z,25nm,1.5s	82.59	14	eP	P	23 08 39.7	-0.7
PAX	Paxson, comp=Z,25nm,1.5s	82.59	14	eP	P	23 08 39.7	-0.7
HLID	Hailey, comp=Z,38nm,0.8s	82.60	41	eP	P	23 08 42.2	+1.2
HLID	Hailey, comp=Z,38nm,0.8s	82.60	41	eP	P	23 08 42.1	+1.1
SKAG	Skagway, comp=Z,33nm,1.1s	82.61	20	eP	P	23 08 41.8	+1.5
TMUT	Trail Mountain, comp=Z,27nm,1.0s	82.66	46	eP	P	23 08 43.1	+1.5
ZAIG	Zacatecas, comp=Z,45nm,1.4s	82.76	64	eP	P	23 08 44.5	+2.1
SPUT	South Promnto, comp=Z,47nm,1.1s	82.76	43	eP	P	23 08 42.7	+0.8
HVU	Hansel Valley, comp=Z,42nm,1.0s	82.77	43	eP	P	23 08 42.8	+0.9
HVU	Hansel Valley D, comp=Z,42nm,1.0s	82.77	43	eP	P	23 08 42.8	+0.9
CTU	Camp Tracy, comp=Z,32nm,1.0s	82.94	44	eP	P	23 08 43.8	+1.0
HTY	Haines Junctio, comp=Z,26nm,1.0s	82.97	18	eP	P	23 08 43.2	+0.8
HYT	Hyatt, comp=Z,27nm,1.0s	82.98	15	eP	P	23 08 42.5	+0.2
MENT	Mentasta, comp=Z,27nm,1.0s	82.98	15	eP	P	23 08 42.5	+0.2
SRU	San Rafael Swe, comp=Z,47nm,0.9s	83.04	46	eP	P	23 08 44.3	+0.9
SRU	San Rafael Swe, comp=Z,47nm,0.9s	83.04	46	eP	P	23 08 44.3	+0.9
P17A	Butcher Ranch, comp=Z,43nm,1.3s	83.06	46	eP	P	23 08 44.8	+1.4
JLU	Jordanelle, comp=Z,34nm,1.0s	83.09	44	eP	P	23 08 44.5	+0.8
IPM	Ipo, comp=Z,20nm,0.9s	83.11	277	eP	P	23 08 44.8	+0.8
WRH	Wood River Hil, comp=Z,102nm,1.2s	83.33	12	eP	P	23 08 43.4	-0.5
TCUT	Toone Canyon, comp=Z,144nm,1.0s	83.36	44	eP	P	23 08 45.4	+0.3
RIDG	Independ'e Rid, comp=Z,40nm,1.0s	83.40	14	eP	P	23 08 44.3	-0.1
NEW	Newport, comp=Z,17nm,0.4s	83.44	36	eP	P	23 08 44.8	-0.1
NEW	Newport, comp=Z,17nm,0.4s	83.44	36	eP	P	23 08 44.8	-0.1
NEW	Newport, comp=Z,17nm,0.4s	83.44	36	eP	P	23 08 44.8	-0.1
LAZ	Ladron, baz=237,SNR=9.7	83.46	52	eP	P	23 08 47.0	+1.4
HWUT	Hardware Ranch, comp=Z,13nm,1.1s	83.49	44	eP	P	23 08 46.0	+0.5
LENN	Lemitar, comp=Z,45nm,0.8s	83.49	52	eP	P	23 08 47.3	+1.6
LENN	Lemitar, comp=Z,45nm,0.8s	83.49	52	eP	P	23 08 47.3	+1.6
DOT	Dot Lake, comp=Z,30nm,0.8s	83.50	14	eP	P	23 08 44.8	-0.2
HDA	Harding Lake, comp=Z,30nm,0.8s	83.51	13	eP	P	23 08 44.6	-0.3
HDA	Harding Lake, comp=Z,30nm,0.8s	83.51	13	eP	P	23 08 44.5	-0.3
CCB	Clear Creek Bu, comp=Z,61nm,1.0s	83.54	12	eP	P	23 08 44.3	-0.7
MVCO	Mesa Verde, baz=244	83.64	49	P	P	23 08 47.0	+0.5
IM3	Indian Mountai, comp=Z,29nm,1.0s	83.66	10	eP	P	23 08 45.5	-0.1
IM3	Indian Mountai, comp=Z,29nm,1.0s	83.66	10	eP	P	23 08 45	



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

Table with columns for station name, frequency, power, and other technical details. Includes stations like ABTA, FETA, FETA, CRES, LJLU, LJLU, etc.

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



16d 0h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GEFP, MPRI, BUA, CLUD, BAD, VINO, PATOCO-CHIUSA, ZOU, STAL, FVI, MYKA, CADS, POLC, ABTA, KBA, RISI.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IDC, GUMU, LEM, WRA, ASAR, MKAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ROM, MMN, MORM, T0721, CUC, CET2.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NEIC, MEX, ACP2, CAIG, MEIG, ARIG, YAIG.

2013 APR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YAIG, ZIIG, MOIG, LVIG, ZLIG, CCIG.

ISCJB 16 00:09:09.0-0.5, 38.79N-103.122.72W, 0.05, h10km, Error ellipse: s-maj=6.8km s-min=3.3km az=146.7

NCECD 16 00:09:10.3-0.8, 38.79N-122.75W, h4km, s-min=5.0km s-maj=29.3km az=12.0

NEIC 16 00:09:11.2-3.1, 38.88N-122.51W, h5km, ML3.2/10, Error ellipse: s-maj=48.4km s-min=1.1km az=53.0

IDC 16 00:09:12.0-3.6, 38.59N-122.56W, h0km, mb 1 3.5/3, mb 1 mx3.2/33, mb mtp3.0/3, ML3.4/3, Error ellipse: s-maj=50.6km s-min=29.3km az=12.0

ISC 16 00:09:10.0-1.2, 38.80N-103.122.70W, 0.05, h6km, 11km, n39, s166/48, Northern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GDXM, HOPS, MOCM, KCPM, ORV, AFDM, AFDM, O02D.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KMRM, O03E, WDC, CMB, RUBR, BEKR, N02D.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SAO, VCNR, M02C, M02C, PAHR, YBH, M04C.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MDPB, MDPB, OMMB, OMMB, MLAC, MLAC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RYN, L02E, L04D, L04D.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NV01, NV01, NVAR, NVAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like M011, M011, M02C, TIN, TIN.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like K02D, YES, YES, CWC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PLP, PLP, GUMU, LEM, WRA, ASAR, MKAR.

MEX 16 00:23:59.1-0.8, 18.68N-102.92W, h65km, 16km, MD3.6, Michoacan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MMIG, EZSV, R15V, R15V, ZIIG, MOIG, CJM, CJM.

IDC 16 00:36:08.0-0.9, 72.71N-136.98E, h0km, mb3.7/12, mb1 4.0/14, mb1 mx3.7/47, mb mtp3.7/14, ML4.4/2, MS2.9/3, Ms1 2.9/3, ms1 mx2.6/34, Error ellipse: s-maj=26.2km s-min=15.2km az=163.0

ISCJB 16 00:36:09.7-0.4, 72.86N-103.136.03E, 0.09, h10km, mb3.6/16, MS2.8/3, Error ellipse: s-maj=4.6km s-min=3.4km az=43.9

MOS 16 00:36:10.8-1.8, 72.91N-136.13E, h20km, mb3.9/5, Error ellipse: s-maj=3.8km s-min=1.1km az=87.2

YARS 16 00:36:14.0, 72.70N-135.88E, h10km, ISC 16 00:36:11.3-0.5, 72.98N-104.135.67E, 0.03, h10km, n36, s175/93, mb3.7/16, MS2.8/3, 2C-3D, Laptev Sea

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

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

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

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

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

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

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

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

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

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

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

INX 16 00:37:41.5-0.5, 46.00N-15.82E, h10km, 8km, mb1.1/1, m1.8/2, Error ellipse: s-maj=3.2km s-min=1.6km az=101.0

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

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KIV, KIB, GEYT, Alibek, ULM.

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

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

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

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

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

DOBS	comp=Z,14nm,0.1s	eSg	Sg	00 37 50.8 +0.1
CRES Cresnev	0.28 232	i Pg	Pg Sg	00 37 47.5 +0.1 00 37 52.0 +0.7
LEGS Legarje	0.32 261	i Pg	Pb	00 37 48.9 -0.6
OZLJ Ozalj	0.44 209	ePg	Sg	00 37 53.7 -0.9
GROS Grobnik	0.50 338	i Pg	Sg	00 37 50.6 +0.2 00 37 57.0 +0.8 00 37 52.0 +0.5 00 37 59.3 -0.5
PDKS Podkum	0.54 277	i Pg	Sb	00 37 52.9 -0.3 00 38 00.3 -0.7
BOJS Bojanci	0.61 216	i Pg	Pg	00 37 53.6 -0.1 00 38 02.2 +0.5
VISS Visnje	0.68 254	i Pg	Pg	00 37 55.1 +0.3 00 38 03.7 -0.1 00 37 57.0 +0.2 00 37 57.1 +0.2 00 38 07.8 -0.2
SOKA Soboth	0.85 323	i Pg	Pg	00 37 58.2 0.0
OBKA Obir	0.99 301	ePg	Pn	00 38 10.5 +0.5 00 38 15.0 -0.6
NVLJ Novolja	1.57 204	ePn	Pg	00 38 11.5 -0.3
STON Ston	3.42 155	Sg	Sg	00 38 32.0 -0.2 00 39 23.8 +0.1

mb1 4.3/33,mb1mx4.1/67,mbtmp4.1/33,ML4.2/2,MS3.4/6, Ms1 3.4/6,ms1mx3.0/44,Error ellipse: s-maj=16.0km s-min=11.5km az=60.0  
 DMN 16 01:23:19.4/0.7,27.00N:92.56E,h10km,ML5.3/3,Error ellipse: s-maj=45.3km s-min=11.6km az=15.0  
 MOS 16 01:23:20.4/1.0,26.06N:92.07E,h33km,mb4.5/23,Error ellipse: s-maj=11.9km s-min=5.0km az=120.4  
 ISCJB 16 01:23:22.7/0.3,26.08N:02.91E:0.02,h51km,4km,mb4.3/72,MS3.4/6,Error ellipse: s-maj=4.1km s-min=3.4km az=29.2  
 NEIC 16 01:23:23.4/0.8,26.06N:91.98E,h44km,8km,mb4.4/34, Error ellipse: s-maj=9.2km s-min=5.4km az=56.0  
 NEIC Fell [IV] at Guwahati, Fell at Sylhet, Bangladesh.  
 NDI 16 01:23:23.5/2.6,26.11N:91.99E,h36km,9km,ML4.4,mb4.4(NEIC)  
 BUJ 16 01:23:27.1,26.59N:92.18E,h49km,mb4.6/32,mb4.7/22,ML4.3/4,Ms4.0/18,Ms7.3/716  
 ISC 16 01:23:23.6/0.7,26.10N:03.92E:0.03,h45km,7km,n195,s1s94/206,mb4.3/72,MS3.5/6,2C,Northeastern

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
SHL	Shillong	0.55 193	eP	Pn	01 23 34.9 -0.4	
SHL			eS	Sn	01 23 44.1 +0.4	
SHL			IAML		01 23 46.7	
SHL	comp=E,28μm,0.3s				01 23 46.8	
TEZP	TEZPUR	0.87 54	eP	Pn	01 23 35.4 -4.0	
TEZP			eS	Sn	01 23 45.4 -5.6	
TEZP			IAML		01 23 46.4	
TEZP	comp=N,58μm,0.1s				01 23 46.8	
TURI	Tura	1.61 250	eP	Pn	01 23 51.8 +2.2	
TURI			eS	Sn	01 24 10.2 +1.0	
KOHI	KOHIMA	1.92 101	eP	Pn	01 23 52.8 +1.4	
KOHI			eS	Sn	01 24 19.3 +2.3	
KOHI			IAML		01 24 28.1	
KOHI	comp=N,10μm,0.4s				01 24 28.2	
IMP	Imphal	2.15 126	eP	Pn	01 23 57.2 +0.1	
IMP			IAML		01 24 40.7	
IMP	comp=E,868nm,0.5s				01 24 41.0	
IMP	comp=N,820nm,0.3s				01 24 41.2	
ZIRO	ZIRO	2.17 49	eP	Pn	01 23 58.0 +0.6	
ZIRO			eS	Sn	01 24 23.5 +0.4	
MOKOCHONG		2.25 84	IAML		01 24 35.0	
BRDH	Bariadaha	3.43 186	Pn	Pn	01 24 14.7 +0.2	
BRDH	comp=N,76nm,0.3s,baz=38,slo=15,SNR=26				01 24 54.0 +0.2	
BRDH	comp=N,194nm,0.3s,baz=0.0,slow=20,SNR=4.0				01 25 41.2	
LSA	Lhasa	3.67 348	P	smax	01 24 19.8 +1.6	
LSA	comp=N,630nm,0.7s				01 24 19.8 +1.6	
LSA			smax	smax		
LSA	comp=N,2μm,0.7s				01 24 19.6 +1.4	
LSA	Lhasa	3.67 348	ePn	Sn	01 24 58.6 -1.9	
LSA	Lhasa	3.67 348	ePn	Sn	01 24 19.6 +1.4	
SAIH	SAIHA	3.70 166	eP	Pn	01 24 18.1 -0.3	
SAIH			eS	Sn	01 24 58.7 -2.2	
SAIH			IAML		01 25 09.2	
SAIH	comp=N,454nm,0.2s				01 25 11.3	
ODAN	Odare	4.21 281	ePn	Pn	01 24 27.4 +1.9	
RAMN	Ramite	4.93 281	ePn	Pn	01 24 37.3 +2.0	
JIRN	Jiri	5.43 288	ePn	Pn	01 24 43.4 +1.0	
SIMR	Sittwe	5.99 172	ePn	Pn	01 25 59.7 +0.7	
SIMR	Sittwe	5.99 172	ePn	Pn	01 25 59.7 +0.7	
BOK	Bokaro	6.02 249	eP	Pn	01 25 49.7 -0.4	
BOK			eS	Sn	01 25 51.1 -6.7	
BOK	comp=E,256nm,0.2s				01 26 35.0	
BOK			IAML		01 26 36.2	
BOK	comp=N,651nm,0.5s				01 26 36.2	
PKI	Pulchoki	6.08 285	ePn	Pn	01 24 51.8 +0.5	
PKIN	Phulchoki	6.09 285	ePn	Pn	01 24 51.8 +0.4	
KAN	Kakan	6.24 287	ePn	Pn	01 24 54.4 +1.0	
DMN	Daman	6.35 285	ePn	Pn	01 26 04.3 +0.7	
KMN	Kaman	6.35 285	ePn	Pn	01 24 55.7 +0.8	
DANN	Dangsing	7.68 289	ePn	Pn	01 25 12.4 -0.8	
DANN			eS	Sn	01 26 37.9 -1.2	
KOLN	Koldanda	7.69 284	ePn	Pn	01 25 13.3 0.0	
KOLN			eS	Sn	01 26 38.4 -0.8	
PYUN	Piuthan	8.29 286	ePn	Pn	01 25 20.3 -1.1	
PYUN			eS	Sn	01 26 51.1 -2.7	
PYUN	comp=N,328nm,0.5s				01 26 51.1 -2.7	
CHTO	Chiang Mai	9.67 137	ePn	Pn	01 25 40.4 +0.1	
CHTO	Chiang Mai	9.67 137	ePn	Pn	01 25 40.4 +0.1	
CHTO	Chiang Mai	9.67 137	ePn	Pn	01 25 46.0 +5.7	
CMMT	Chiang Mai	9.68 137	P	P	01 25 45.3 +5.0	
KMMI	Kumming	9.73 93	P	P	01 25 50.3 +9.1	
KMI	comp=Z,29nm,0.8s				01 25 50.3 +9.1	
KMI	comp=N,280nm,7.0s				01 25 50.3 +9.1	
KMI	comp=E,180nm,7.0s				01 25 50.3 +9.1	
KMI	comp=Z,210nm,6.5s				01 25 50.3 +9.1	
CM31	Chiang Mai Arr	9.95 138	ePn	Pn	01 25 41.8 -2.2	
CMAR	Chiang Mai Arr	9.95 138	Pn	Pn	01 25 41.8 -2.2	
CMO1	Chiang Mai Arr	9.98 139	ePn	Pn	01 25 43.4 -1.1	
LAMP	Lampang	10.32 135	P	P	01 25 56.1 +7.0	
NAN	Nan	10.82 130	P	P	01 26 02.1 +1.9	
JBP	Jabalpur	11.33 258	eS	Sn	01 28 00.7 -7.4	
UTTA	Uttradit	11.48 135	P	P	01 26 05.5 +0.5	
NGA	Nagaitani	12.57 145	P	P	01 26 26.8 -1.8	
UTHA	Uttar	12.86 250	eP	Pn	01 26 22.3 -1.6	
NGP	Nagpur	13.05 126	eP	P	01 26 41.0	
NONG	Nongkai	13.15 85	P	P	01 26 35.8 +0.2	
GYA	Guiyang	13.15 85	eP	P	01 26 31.0 +3.2	
GYA			pmax	pmax		
NDY	comp=Z,10.0nm,0.6s				01 26 29.0 -2.1	
NDI	New Delhi	13.40 284	eP	Pn	01 26 45.0 -1.4	
NDI			eS	Sn	01 26 44.9 +1.3	
CHAI	Chaiyaphum	13.76 136	P	P	01 26 35.7 -3.2	
SMLA	Simla	13.97 294	eS	Sn	01 26 60.0 -1.3	
SMLA			IAML		01 29 27.4	
SMLA	comp=N,36nm,0.4s				01 29 27.4	
SMLA	comp=E,45nm,0.7s				01 29 29.2	
KHON	Khonkaen	13.99 132	P	P	01 26 49.7 +3.6	
LZH	Lanzhou	14.19 43	eP	Pn	01 26 45.6 +3.6	
LZH			eP	Pn	01 26 48.6 +6.4	
LZH			pmax	pmax		
LZH	comp=E,25nm,1.1s				01 26 48.6 +6.4	
LZH	comp=E,72nm,4.2s				01 26 48.6 +6.4	
LZH	comp=E,310nm,7.5s				01 26 48.6 +6.4	
LZH	comp=E,280nm,7.8s				01 26 48.6 +6.4	
SKNT	Sakolnakhorn	14.36 127	P	P	01 26 49.9 -0.3	
SKNT	comp=E,2.6nm,0.8s,comp=E,0.1nm				01 26 49.9 -0.3	
GTA	Gaotai	14.79 24	eP	pmax	01 26 45.8 -4.2	
GTA	comp=Z,3.0nm,1.0s				01 26 45.8 -4.2	
DHRM	DHARAMSHALA	15.03 298	eP	Pn	01 26 49.8 -3.4	
DHRM			eS	Sn	01 29 25.5 -1.3	
HYB	Hyderabad	15.19 238	eP	Pn	01 29 12.2 +1.2	
HYB			eS	Sn	01 29 42.0 -0.5	
SRAK	Srakaew	15.27 140	P	P	01 27 06.6 +6.3	
SRAK	comp=E,42nm,0.7s,comp=E,428nm,comp=E,0.1nm				01 27 06.6 +6.3	
ENH	Enshi	15.95 71	ePn	Pn	01 27 07.2 -0.7	
XAN	Xian	16.62 58	P	Pn	01 27 12.9 -0.5	

XAN			pP	P	01 27 17.6 +2.3	
CHXP	comp=E,5.0nm,1.0s		pmax	pmax		
CHIR	Chirah Chowk	17.91 299	P	Pn	01 27 25.9 -3.4	
NIL	comp=E,29nm,0.9s	17.91 299	ePn	Pn	01 27 25.8 -3.6	
NIL	Nilore	17.91 299	eP	Pn	01 27 25.8 -3.6	
NIL			pmax	pmax		
WMQ	comp=Z,29nm,0.9s	18.02 350	eP	P	01 27 31.5 +0.7	
WMQ			pP	P	01 27 42.6 +1.1	
WMQ	comp=Z,110nm,0.6s		pmax	pmax		
WMQ	comp=Z,190nm,4.7s			LR	01 27 31.5 +0.7	
WMQ	comp=Z,190nm,21.7s			LR	01 27 31.5 +0.7	
WMQ	comp=Z,630nm,22.9s			LR	01 27 31.5 +0.7	
WMQ	comp=Z,100nm,22.9s			LR	01 27 31.5 +0.7	

KSH	Kashi	18.95 319	pP	Pn	01 27 43.3 +1.2	
KSH			pP	Pn	01 27 54.3 +2.5	
KSH			SP	SP	01 28 05.4 +7.5	
KSH			SS	Sn	01 31 06.3 -7.2	
KSH			pmax	pmax	01 31 33.8 +5.8	
KSH	comp=Z,42nm,0.7s			pmax	01 31 33.8 +5.8	
KSH	comp=Z,220nm,4.4s			LR	01 31 33.8 +5.8	
KSH	comp=Z,150nm,8.0s			LR	01 31 33.8 +5.8	
KSH	comp=Z,210nm,7.6s			LR	01 31 33.8 +5.8	
KSH	comp=Z,430nm,5.9s			LR	01 31 33.8 +5.8	
TARG	Taragay, Kyrgy	19.50 327	eP	P	01 27 45.2 -2.1	
PDGK	Podgornoye	20.00 332	P	pmax	01 27 52.1 -0.3	
PDGK			pmax	pmax		
KDJ	Kajisay	20.11 326	eP	P	01 27 53.7 -0.1	
KDJ	comp=Z,33nm,1.1s			P	01 27 53.7 -0.1	
KDJ	Kajisay	20.11 326	P	pmax	01 27 53.7 -0.1	
KDJ			pmax	pmax		
NRN	Naryn	20.23 323	eP	P	01 27 52.3 -2.8	
NRN	comp=Z,8.2nm,1.0s			P	01 27 52.3 -2.8	
NRN	Naryn	20.23 323	eP	P	01 27 52.3 -2.8	
NRN			pmax	pmax		
NRN	comp=Z,8.0nm,1.0s			P	01 28 10.2 +1.5	
TKM2	Tokmak 2	21.49 325	P	P	01 28 10.2 +1.5	
TKM2	Tokmak 2	21.49 325	P	P	01 28 09.0 +0.4	
TKM2			pmax	pmax		
TKM2	comp=Z,22nm,0.7s			P	01 28 10.4 +1.5	
KBL	Kabul	21.51 298	eP	P	01 28 10.4 +1.5	
KBL	comp=Z,23nm,0.9s			P	01 28 10.4 +1.5	
KBL			pmax	pmax		
KBL	comp=Z,23nm,0.9s			P	01 28 11.6 +1.7	
UCH	comp=Z,10nm,0.5s			P	01 28 11.6 +1.7	
UCH	SNR=10	21.61 212	P	P	01 28 11.7 +1.8	
PALK	Pallekele	21.61 212	P	P	01 32 01.0 -6.0	
PALK	comp=Z,10nm,1.0s,baz=111,slow=8.6,SNR=2.5			S	01 32 01.0 -6.0	
PALK	comp=Z,4.4nm,0.7s,baz=119,slow=11,SNR=2.1			P	01 32 01.0 -6.0	
PALK	Pallekele	21.61 212	eP	P	01 28 08.1 -1.8	
PALK			eS	Sn	01 32 01.0 -6.0	
PALK			eS	Sn	01 32 01.0 -6.0	
PALK			pmax	pmax		
PALK	comp=Z,16nm,0.9s			P	01 28 11.7 +1.5	
KBK	Karagaybulak	21.64 324	P	P	01 28 11.7 +1.5	
KBK	SNR=15	21.64 324	P	P	01 28 15.4 +2.8	
ARSB	Arslanbulak	21.87 319	eP	P	01 28 15.4 +2.8	
ARSB	comp=Z,16nm,0.6s			P	01 28 13.3 +0.7	
AAK	Ala-Archa	21.87 323	P	P	01 28 13.3 +0.7	
AAK	comp=Z,5.4nm,0.6s,baz=146,slow=6.2,SNR=1.1			S	01 31 52.6 -1.9	
AAK	comp=Z,1.5nm,0.6s,baz=203,slow=22,SNR=5.7			LR	01 36 54.0	
AAK	comp=Z,36					

Table of satellite data for 16d 3h, listing stations like ZALV, ZAESOV, ZAA1, etc., with columns for station name, coordinates, and other parameters.

Table of satellite data for 2013 APR, listing stations like TARG, KDJ, KDJ, etc., with columns for station name, coordinates, and other parameters.

Table of satellite data for various regions including ASAR, JMA, IDC, GUC, MEX, and MEXICO-Guatemala border region, listing stations and their coordinates.

TAMC	Tame, Arauca	2.63 350	eP	Pn	03 01 06.1	-0.1
TAMC			i		03 01 39.3	+1.1
TAMC					03 02 04.4	
comp-Z,333nm,0.4s						
RUSC	La Rusia	2.71 319	eP	Pn	03 01 07.3	-0.4
RUSC			eS	Sn	03 01 41.7	+1.1
RUSC					03 01 56.5	
comp-Z,212nm,0.4s						
ROSC	El Rosal	3.17 289	Pn	Pn	03 01 15.7	+1.8
ROSC			Pg			
ROSC			Pg		03 01 24.1	-0.6
ROSC			Sb		03 01 57.4	-1.6
ROSC			Lg		03 02 05.6	
ROSC			Lg		03 02 05.6	
ROSC	El Rosal	3.17 289	eP	Pn	03 01 16.4	+2.5
ROSC			eS	Sb	03 01 58.5	-0.6
ROSC					03 02 11.9	
comp-Z,229nm,0.5s						
BARC	Barichara	3.32 326	eP	Pn	03 01 15.2	-0.7
BARC			eS	Sn	03 01 55.0	-0.3
BARC					03 02 17.2	
comp-Z,279nm,0.5s						
PRAC	Prado	3.57 268	eP	Pn	03 01 19.9	+0.7
PRAC			eS	Sn	03 02 02.2	+0.9
PRAC					03 02 20.6	
comp-Z,212nm,0.4s						
GIRC	Giron, Santand	3.73 330	eP	Pn	03 01 21.2	-0.3
GIRC					03 02 22.0	
comp-Z,155nm,0.5s						
PAMC	Pampiona, Colo	3.75 338	eP	Pn	03 01 21.8	-0.2
PAMC					03 02 24.2	
comp-Z,161nm,0.3s						
BRRC	Barranca, Sant	4.04 324	eP	Pn	03 01 24.8	-0.8
BRRC			eS	Sn	03 02 13.7	+0.8
BRRC					03 02 32.5	
comp-Z,60nm,0.5s						
PTBC	PUERTO BERRIO,	4.13 311	eP	Pn	03 01 27.4	+0.5
PTBC					03 02 33.1	
comp-Z,46nm,0.4s						
MARP	Paez Belatcaza	4.74 258	eP	Pb	03 01 45.0	-2.2
MARP			eS	Sb	03 02 52.9	+0.6
MARP					03 02 52.7	
comp-Z,100nm,0.5s						
OCAC	Ocana	4.81 336	eP	Pn	03 01 36.1	-0.3
OCAC			eS	Sn	03 02 30.7	-1.5
OCAC					03 03 02.6	
comp-Z,96nm,0.4s						
FLOC	Florencia	4.88 243	eP	Pn	03 01 37.8	+0.6
FLOC			eS	Sb	03 02 47.1	-1.0
FLOC					03 03 00.7	
comp-Z,162nm,0.5s						
YOTC	Yotoco, Valle	5.03 272	eP	Pn	03 01 38.1	-1.1
YOTC			eS	Sn	03 02 34.0	-3.4
YOTC					03 03 02.7	
comp-Z,56nm,0.6s						
PTLC	Puerto Leguiza	5.03 224	eP	Pn	03 01 40.2	+0.9
SDV	Santo Domingo	5.07 8	Pn	Pn	03 01 37.6	-2.3
SDV			Pg	Pb	03 01 55.7	+3.1
SDV			Pg		03 02 35.1	-3.4
SDV			Lg		03 03 00.7	
comp-Z,29nm,0.3s,baz=229,slow=20,SNR=5.8						
PCON	Cinco Dias	5.27 254	eP	Pn	03 01 46.3	+2.9
PCON			eS	Sb	03 03 05.8	+5.2
PCON					03 03 18.1	
comp-Z,150nm,0.5s						
DBBC	Dabeiba	5.82 303	eP	Pn	03 01 50.4	+0.3
DBBC			eS	Sn	03 02 55.2	-1.6
DBBC					03 03 02.1	
comp-Z,44nm,0.6s						
PTGA	Pitinga	12.21 112	Lg	Lg	03 06 41.1	
comp-Z,1.1nm,0.3s,baz=21,slow=22,SNR=4.3						
San Juan		15.07 19	LR	LR	03 08 42.2	
comp-Z,2.1nm,20.3s,baz=252,slow=35						
LPAZ	La Paz	20.23 171	P	P	03 04 59.9	+0.1
comp-Z,1.4nm,0.7s,baz=352,slow=15,SNR=6.4						
SIV	San Ignacio	22.14 153	P	P	03 05 18.7	-1.1
comp-Z,1.1nm,0.8s,baz=353,slow=12,SNR=5.7						
SIV			LR	LR	03 14 17.7	
comp-Z,75nm,18.3s,baz=322,slow=37						
CPUP	Villa Florida	32.90 156	LR	LR	03 21 30.3	
comp-Z,7.3nm,19.9s,baz=214,slow=38						
TORD	Tordi Ar. Bea	72.60 77	P	P	03 11 43.8	-8.0
comp-Z,0.5nm,0.9s,baz=251,slow=4.4,SNR=2.6						
ASAR	Alice Springs	148.67 229	PKPb	PKPb	03 20 07.9	-0.4
comp-Z,0.1nm,0.4s,baz=110,slow=4.0,SNR=3.3						
WRA	Warramunga Arr	150.31 235	PKPb	PKPb	03 20 12.3	+1.4
comp-Z,0.3nm,0.7s,baz=106,slow=3.1,SNR=3.0						

NDI 16:03:06:40.8-2.7,19:36N:86.42E,h10km,ML3,5, Southern India

Code	Station Name	Δ° AZ°	Phase ID	ISC	h	m	s	ISC	Time	Res
VIS	Vishakhapatnam	3.68 233	eP	Pn	03 07 39.1	+1.3				
VIS			eS	Sn	03 08 19.0	-2.3				
VIS			IAML		03 08 32.8					
comp-N,2um,0.6s										
VIS			IAML		03 08 33.2					
comp-E,1um,0.2s										
BOK	Bokaro	3.85 353	eP	Pn	03 07 40.6	+0.5				
BOK			eS	Sn	03 08 22.6	-2.8				
BOK			IAML		03 08 26.6					
comp-N,58nm,0.6s										
BOK			IAML		03 08 26.8					
comp-E,34nm,0.1s										
JBP	Jabalpur	6.79 299	eP	Sn	03 09 35.2	-2.7				
NGP	Nagpur	7.01 281	eP	Pn	03 07 17.7	+5.9				
HYB	Hyderabad	7.89 253	eP	Pn	03 08 34.2	-1.3				
HYB			eS	Sn	03 09 57.3	-7.5				
HYB			IAML		03 10 42.3					
comp-E,13nm,0.2s										
HYB			IAML		03 10 42.3					
comp-N,9.5nm,0.4s										
BHPL	Bhopal	8.98 293	eS	Sn	03 10 24.8	-7.2				
BHPL			IAML		03 11 21.1					
comp-E,17nm,0.2s										
BHPL			IAML		03 11 21.4					
comp-N,17nm,0.0s										

IDC 16:03:22:43.0-7.7,44:81N:146:91E,h121km,85km,mb3.0/4, mb1.3/4.5,mb1mx3/0.48,mbmp3.4/5,ML3.1/1, Error ellipse: s-maj=113.8km s-min=59.1km az=137.0

SKHL 16:03:22:44.3-0.4,43:41N:148:02E,h75km,6km,mb4.6/4  
 ISCJB 16:03:22:45.1-0.5,44:54N:0:08:146:59E:0.08,  
 h177km,4km,mb3.1/4, Error ellipse: s-maj=14.0km  
 s-min=6.7km az=150.5  
 JMA 16:03:22:46.8-0.3,44:50N:146:59E,h165km,3km,ML3.3  
 ISC 16:03:22:46.0-0.8,44:54N:0:08:146:61E:0.06,h73km,  
 n29,e0f92/35,mb3.2/4,Kuril Islands

Code	Station Name	Δ° AZ°	Phase ID	ISC	h	m	s	ISC	Time	Res
YUK	Yuzh-Kuril'sk	0.74 227	iP	Pn	03 23 11.0	-0.2				
YUK			AMB	AMB	03 23 11.0					
YUK	62nm,0.4s									
YUK			AMB	AMB	03 23 11.0					
YUK	242nm,0.4s									
YUK			iS	Sn	03 23 31.0	+0.4				
YUK			A	A	03 23 33.0					
YUK	398nm,0.4s									
YUK			A	A	03 23 33.0					
LAGR	Lagunnoye	0.77 231	iP	Pn	03 23 11.8	+0.4				
LAGR			AMB	AMB	03 23 12.8					
LAGR	276nm,0.4s									
LAGR			eS	Sn	03 23 32.0	+1.1				
LAGR			A	A	03 23 39.0					
LAGR	609nm,0.4s									
LAGR			A	A	03 23 39.0					
GRPR	Tuman	0.81 228	iP	Pn	03 23 12.0	+0.3				
GRPR			AMB	AMB	03 23 12.5					
GRPR	99nm,0.4s									
GRPR			AMB	AMB	03 23 12.5					
GRPR	296nm,0.4s									
GRPR			iS	Sn	03 23 33.0	+1.5				
GRPR			A	A	03 23 34.0					

GRPR	190nm,0.4s		A	A	03 23 34.0					
GLVR	Golovino	1.12 225	eP	Pn	03 23 14.3	+0.3				
GLVR			AMB	AMB	03 23 18.0					
GLVR	174nm,0.3s									
GLVR			eS	Sn	03 23 36.4	+0.9				
GLVR			A	A	03 23 39.0					
GLVR	776nm,0.4s									
KUR	Kuril'sk	1.13 52	eP	Pn	03 23 13.0	-1.0				
KUR			eS	Sn	03 23 34.7	-1.0				
JRA	Rausu	1.23 241	eP	Pn	03 23 14.7	-0.4				
NEM2	Nemuro 2	1.33 208	Pn	Pn	03 23 15.4	-0.4				
NEM2			eS	Sn	03 23 36.9	-1.9				
JNK	Nakash	1.67 236	P	Pn	03 23 19.2	+0.1				
JKNH	Kushirohamanak	1.80 216	P	Pn	03 23 20.4	0.0				
JTKR	Abashiri-Toko	2.02 255	P	Pn	03 23 22.7	-0.1				
JTKR			eS	Sn	03 23 50.7	-0.6				
JAK	Akshishi	2.08 223	P	Pn	03 23 23.4	0.0				
JAK			eS	Sn	03 23 51.2	-1.2				
JMP	Maruseppu	2.39 258	P	Pn	03 23 27.0	-0.1				
JMP			eS	Sn	03 23 58.2	-0.7				
JMP	Ashorobuto	2.40 240	P	Pn	03 23 27.7	+0.6				
JOB	Onbets	2.59 232	P	Pb	03 23 40.9	+0.6				
JOB			eS	Sn	03 24 02.5	-0.6				
JSE	Soyas	2.90 280	P	Pn	03 23 32.8	-0.2				
ASAJ	Asahikawa	2.91 263	P	Pn	03 23 31.2	-2.0				
ASAJ	1.4nm,0.3s,baz=67,slow=13,SNR=8.0									
ASAJ	0.6nm,0.3s,baz=45,slow=20,SNR=4.2									
JCH	Churui	3.05 232	P	Pn	03 23 35.0	+0.1				
JCH			eS	Sn	03 24 10.9	-2.0				
JWJK	Keihoku	3.43 285	P	Pn	03 23 40.8	+0.9				
JNK	Urakawa-nobuka	3.61 233	P	Pn	03 23 41.3	-0.6				
H11N1	WAKE ISLAND Hy 29.97 139		T	T	03 59 56.6					
H11N3	WAKE ISLAND Hy 29.97 139		T	T	03 59 57.3					
H11S1	WAKE ISLAND Hy 30.93 141		T	T	04 01 06.5					
H11S3	WAKE ISLAND Hy 30.93 141		T	T	04 01 08.9					
H11S2	WAKE ISLAND Hy 30.95 141		T	T	04 01 08.8					
ILAR	Eielson Array	41.08 37	P	P	03 30 11.9	-0.3				
ILAR	0.3nm,0.6s,baz=261,slow=6.4,SNR=5.8									
YKA	Yellowknife Ar	55.36 34	P	P	03 32 00.6	-0.8				
PDAR	Penikese Array	69.69 50	P	P	03 33 37.8	+0.8				
PDAR	0.3nm,0.3s,baz=306,slow=5.1,SNR=7.9									
TXAR	Lajitas Array	82.03 56	P	P	03 34 50.8	+1.3				

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUM, LKR, TRIZ, DZF, KOM, etc.

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

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

IDC 16 03:30:07.7±1.2, 40°15'N-29°90'W, h0km, mb3.5/8, mb1 3.7/9, mb1mx3.4/60, mbtmp3.4/9, ML4.5/1, MS3.2/5, Ms1 3.2/5, ms1mx2.8/35, Error ellipse: s-maj=38.8km s-min=19.3km az=9.0

ISCJB 16 03:30:10.2±0.7, 40°07'N-0°04'-29°42'W, h1.1km, mb3.5/8, MS3.1/5, Error ellipse: s-maj=6.7km s-min=5.3km az=30.8

SVSA 16 03:30:15.6±0.7, 19°19'N-29°38'W, h15km, ML3.1, Error ellipse: s-maj=6.0km s-min=2.2km az=26.0

ISC 16 03:30:09.7±0.7, 40°09'N-0°07'-29°58'W, h0.611km, n23, s170/21, mb3.6/8, MS3.1/5, Azores Islands region

UCR 16 03:42:38.1±2.1, 9.41°N-83.69°W, h17km, k4km, MD3.8, 5C-4D, Costa Rica

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

MEX 16 03:44:32.1±0.5, 16°51'N-98°45'W, h28km, 13km, MD3.8, Near coast of Guerrero

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H07N1, H07N1, H07S1, etc.

BJI 16 03:48:43.5, 1°00'N-125°10'E, h87km, mb5.0/54, mb5.0/38, Ms4.5/26, Ms7.4/226

MOS 16 03:48:44.0±1.0, 1.06°N-124°94'E, h93km, mb5.1/54, Error ellipse: s-maj=8.7km s-min=4.4km az=113.8

NEIC 16 03:48:45.9±0.1, 0.98°N-125°04'E, mb5.0/116, Error ellipse: s-maj=4.7km s-min=3.5km az=73.0

NEIC Felt at Bitung, Indonesia. GCMT 16 03:48:45.9±0.2, 1.08°N-0°01'-125°16'E, h110km, 1km, Mw5.1/94, Moment Tensor Solution. s58,c72, s94,c149, Duration: 0 Moment tensor: Scale 10^19Nm; Mr3.71±.12; Ms=5.40±.13; Mw=1.69±.17; Mb=0.70±.11; Mb=1.57±.15; Mw=1.86±.11; Best double couple: Mo5.33900x10^16

NP1=308.00000°, s58.00000°, A.126.00000°. NP2= 07.400000°, 847.00000°, 1.46.00000°. Principal axes: T 4.8210, P1959.0000, Azm272.0000°, N 1.0370, P1930.0000, Azm13.0000°, P -5.8570, P197.0000, Azm13.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 16 03:48:46.2±0.6, 0.94°N-124°93'E, h103km, 4km, mb4.7/72, mb1 4.7/32, mb1mx1.7/38, mbtmp5.1/32, MS3.6/18, Ms1 3.6/18, ms1mx3.4/35 Error ellipse: s-maj=13.6km s-min=7.1km az=74.0

KLM 16 03:48:46.0, 0.95°N-125°37'E, h100km, mb5.1 ISCJB 16 03:48:46.5±0.3, 0.95°N-0°02'-125°09'E, h2.0, h124km, 2km, mb5.0/187, Error ellipse: s-maj=4.0km s-min=2.8km az=166.9

DJA 16 03:48:47.8±0.3, 1°N-2°12'E, h82km, 5km, M5.1/19, mb5.5/15, mb5.3/16, MLv5/19, Mw(MB)5.0/11, AP51 ISC 16 03:48:46.4±0.3, 0.96°N-0°03'-125°13'E, 0.0111km, 2km, h110km, p-P, n800, s154/932, mb5.0/191, 30C-20D, az=166.9

MEX 16 03:44:32.1±0.5, 16°51'N-98°45'W, h28km, 13km, MD3.8, Near coast of Guerrero

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

MAN 16 03:30:13.7, 16°12'N-120°6'E, h53km, mb4.6, ML3.4, MS3.3, LD, Luzon

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

Northern Molucca Sea

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

MAN 16 03:30:13.7, 16°12'N-120°6'E, h53km, mb4.6, ML3.4, MS3.3, LD, Luzon

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

IDC 16 03:33:12.8±2.0, 25°02'S-179°76'W, h475km, 20km, mb3.4/11, mb1 3.7/13, mb1mx3.4/34, mbtmp4.2/13, Error ellipse: s-maj=20.6km s-min=15.8km az=150.0

ISCJB 16 03:33:14.4±0.6, 25°01'S-179°90'W, h1.4, h496km, mb3.8/10, Error ellipse: s-maj=15.3km s-min=10.6km az=15.4

ISC 16 03:33:15.0±0.7, 25°05'S-180°0'E, h1, h496km, n18, s199/23, mb3.7/10, South of Fiji Islands

IDC 16 03:48:46.2±0.6, 0.94°N-124°93'E, h103km, 4km, mb4.7/72, mb1 4.7/32, mb1mx1.7/38, mbtmp5.1/32, MS3.6/18, Ms1 3.6/18, ms1mx3.4/35 Error ellipse: s-maj=13.6km s-min=7.1km az=74.0

KLM 16 03:48:46.0, 0.95°N-125°37'E, h100km, mb5.1 ISCJB 16 03:48:46.5±0.3, 0.95°N-0°02'-125°09'E, h2.0, h124km, 2km, mb5.0/187, Error ellipse: s-maj=4.0km s-min=2.8km az=166.9

DJA 16 03:48:47.8±0.3, 1°N-2°12'E, h82km, 5km, M5.1/19, mb5.5/15, mb5.3/16, MLv5/19, Mw(MB)5.0/11, AP51 ISC 16 03:48:46.4±0.3, 0.96°N-0°03'-125°13'E, 0.0111km, 2km, h110km, p-P, n800, s154/932, mb5.0/191, 30C-20D, az=166.9

IDC 16 03:33:12.8±2.0, 25°02'S-179°76'W, h475km, 20km, mb3.4/11, mb1 3.7/13, mb1mx3.4/34, mbtmp4.2/13, Error ellipse: s-maj=20.6km s-min=15.8km az=150.0

ISCJB 16 03:33:14.4±0.6, 25°01'S-179°90'W, h1.4, h496km, mb3.8/10, Error ellipse: s-maj=15.3km s-min=10.6km az=15.4

ISC 16 03:33:15.0±0.7, 25°05'S-180°0'E, h1, h496km, n18, s199/23, mb3.7/10, South of Fiji Islands





16d 3h

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

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Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

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Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).





Table with columns: ASUD, AI Ashush, Dub, 4.97 138 eP, Pn, 05 27 32.4 +0.5

Table with columns: LPAZ, La Paz, 145.88 59 PKPbc, PKPbc, 06 07 12.9 +0.2

Table with columns: FINES, FINES Array B, 37.51 340 P, P, 16 14 08.1 -0.9

Table with columns: IDC 16 05:29:12.3, 2.5, 7.84S, 123.12E, h206km, 26km, mb3.2/1, mb1 3.2/5, mb1 7.0/34, mb1mx3.7/5, MS2.6/1, Ms1 2.6/1, ms1mx2.2/1.5, Error ellipse: s-maj=113.6km s-min=15.3km az=59.0, Banda Sea

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

Table with columns: IDC 16 06:19:25.4, 7.6, 17.04S, 177.05W, h0km, mb3.5/3, mb1 3.9/3, mb1mx3.5/27, mbtm3.3/5, MS3.7/1, Ms1 3.7/1, ms1mx2.8/2.8, Error ellipse: s-maj=333.1km s-min=35.5km az=142.0, Fiji Islands region

Table with columns: NIED 16 05:47:00.38, 20N, 141.60E, h56km, Mw3.9 Best double couple: M6.94000x1014 NP1.3e19, 0.00000, 2.82, 0.00000, NP2.2e20, 0.00000, 2.66, 0.00000, 1.94, 0.00000

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

Table with columns: IDC 16 06:35:40.3, 0.6, 6.48S, 154.56E, h0km, mb4.5/14, mb1 4.7/16, mb1mx4.5/33, mbtm4.5/16, ML3.4/2, MS4.2/20, MS1 4.2/20, ms1mx4.0/35, Error ellipse: s-maj=20.7km s-min=15.5km az=101

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

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

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

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

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

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

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

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

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VCA, TCA, G003, G007, TRQA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H1N3, H1N1, H1N2, BILL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Min-0.98, M004.89, M003.91, etc.



16d 7h

Table with columns: Call Sign, Frequency, Power, Mode, and Name. Lists various radio stations and their details.

2013 APR

Table with columns: Call Sign, Frequency, Power, Mode, and Name. Lists various radio stations and their details.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, and Res. Lists various radio stations and their details.

ISCJB 16 07:01:07.1-0.7, 7.1N-0.1; 93.95E-0.07, h20km, mb4, 1/14, MS3 0/1, Error ellipse: s-maj=14.5km s-min=10.5km az=9.2

IDC 16 07:01:20.6-4.1, 7.38N-94.23E, h117km, 37km, mb3.7/13, mb1 3.8/15, mb1mx3.5/5.1, mbtmp4.1/15, MS3 0/1, Ms1 3.0/1, ms1mx2.6/39, Error ellipse: s-maj=28.1km s-min=15.9km az=50.0

ISC 16 07:01:09.4-1.0, 7.3N-0.1; 94.09E-0.10, h20km, n29, #1902/24, mb4.1/14, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, and Res. Lists various radio stations and their details.

ISCJB 16 07:02:23.9-0.3, 24.03N-0.03; 122.86E-0.02, h36km, 22km, Error ellipse: s-maj=5.5km s-min=2.7km az=173.9

JMA 16 07:02:23.6-0.1, 24.11N; 122.85E, h52km, 3km, M2.3 TAP 16 07:02:23.9, 24.08N; 122.87E, h38km, ML3.1, C

ISCJB 16 07:04:58.2-0.3, 2.41N; 0.04; 127.06E-0.04, h53km,









Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like Storozhevoje, Galich'ya Gora, Soe, Magadan, Guam, Moscow, Klimovskoe, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like Arrges, Karpathos, Kaitakeino, Hammerfest, Lotru, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like Conard, Mironicic Grad, NORARS Subarra, etc.



16d 8h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like FORT Forrest, DAG Danmarks Havn, MEM Membrach, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SML, RIDG, BRLL, RES, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DBIC Dimbokro, DBIC Dimbokro, B05A Bryn, etc.

ISCJB 16 08:37:14.5:0.3,37:48S:0:03:176:55E:0:04, h229km,2km, mb3.9/15, Error ellipse: s-maj=5.7km s-min=4.3km b2=180.0

Table with columns: Code, Station Name, Az, Zfs, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TGRZ Tauranga, OPRZ Ohinepaea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, m, s, ISC. Includes stations like Plateau Road, Kuaotunu, Raukumara Rang, Te Kaha, Whakapapatarin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, m, s, ISC. Includes stations like Lake Benmore, Otahua Downs, Otahua Downs, Jackson Bay, Wakanaka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, m, s, ISC. Includes stations like WAKE ISLAND Hy 30.14, WAKE ISLAND Hy 30.14, WAKE ISLAND Hy 30.16, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, m, s, ISC. Includes stations like WAKE ISLAND Hy 31.36, WAKE ISLAND Hy 31.37, WAKE ISLAND Hy 31.38, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, m, s, ISC. Includes stations like DZM 10nm,0.3s, DZM 0.8nm,0.3s, DZM comp=2.1um,18.1s, etc.



SYO	Syowa Base	90.90 197	eP	P	09 18 31.0 -1.5
SYO	Syowa Base	90.90 197	eP	P	09 18 34.7 +2.2
U15A	North Rim	91.01 53	eP	P	09 18 33.8 -0.2
DGZ	Jazzator, Alta	91.12 321	iP	P	09 18 33.7 -0.3
DGZ	comp=Z,1.0nm,1.1s			pmax	
HLID	Hailey	91.21 46	eP	P	09 18 35.0 +0.4
HLID	comp=Z,7.6nm,1.1s				
HLID	Hailey	91.21 46	eP	P	09 18 35.3 +0.7
HLID	baz=255				
X16A	Lo Mia Camp, P	91.21 55	eP	P	09 18 34.8 -0.1
TUC	Tucson	91.27 57	eP	P	09 18 35.4 +0.4
TUC	comp=Z,4.4nm,1.0s				
TUC	Tucson	91.27 57	eP	P	09 18 35.4 +0.4
TUC	comp=Z,7.0nm,1.0s				
TUC	Tucson	91.27 57	eP	P	09 18 35.7 +0.7
TUC	baz=257				
DUG	Dugway, Tooele	91.52 49	eP	P	09 18 36.8 +0.7
DUG	comp=Z,8.0nm,1.1s				
DUG	Dugway, Tooele	91.52 49	eP	P	09 18 36.1 0.0
DUG	baz=256				
DUG	Dugway, Tooele	91.52 49	eP	P	09 18 36.8 +0.7
DUG	comp=Z,8.0nm,1.1s				
DUG	Dugway, Tooele	91.52 49	eP	P	09 18 36.1 0.0
DUG	baz=256				
319A	Douglas	92.31 59	eP	P	09 18 39.9 0.0
MSO	Missoula	92.37 43	eP	P	09 18 39.5 -0.3
MSO	baz=255				
W18A	Petrified Fore	92.74 55	eP	P	09 18 42.1 +0.2
W18A	comp=Z,5.6nm,1.0s				
W18A	Petrified Fore	92.74 55	eP	P	09 18 42.1 +0.2
W18A	baz=258				
DLMT	Dillon	92.92 44	eP	P	09 18 43.1 +0.6
DLMT	comp=Z,15nm,1.3s				
LRM	Limekin Ridge	93.12 44	eP	P	09 18 43.9 +0.4
FXWY	Fox Creek	93.16 46	eP	P	09 18 46.0 +0.2
FXWY	comp=Z,2.5nm,1.0s				
BOZ	Bozeman	93.63 44	eP	P	09 18 46.2 +0.4
BOZ	baz=257				
MK01	Makanchi Array	93.67 317	eP	P	09 18 45.5 -0.3
REDW	Red Top Meadow	93.68 47	eP	P	09 18 46.2 +0.1
REDW	comp=Z,13nm,1.4s				
MK31	Makanchi Array	93.69 317	eP	P	09 18 45.7 -0.1
MK31	comp=Z,5.0nm,1.1s				
MK32	Makanchi Array	93.69 317	eP	P	09 18 45.7 -0.1
MK32	comp=Z,2.5nm,0.9s,baz=107,slow=6.6,SNR=16				
HRV	Holler Researc	93.75 43	eP	P	09 18 46.2 0.0
121A	Cookes Peak, D	93.79 58	eP	P	09 18 47.3 +0.5
121A	baz=258				
MOOW	Moose Ponds	93.84 46	eP	P	09 18 47.2 +0.4
MOOW	comp=Z,4.7nm,1.4s				
ZALV	Zalesovo Beam	93.84 324	eP	P	09 18 45.5 -0.7
ZALV	comp=Z,3.9nm,0.7s,baz=123,slow=5.5,SNR=3.7				
ZAA1	Zalesovo Array	93.84 324	eP	P	09 18 45.5 -0.8
H17A	Grant Village	94.10 46	eP	P	09 18 47.8 -0.2
H17A	comp=Z,3.8nm,1.1s				
H17A	Grant Village	94.10 46	eP	P	09 18 49.5 +1.5
H17A	baz=258				
BW06	Boulder Array	94.48 47	eP	P	09 18 49.7 -0.1
BW06	baz=258				
PD31	Pinedale Array	94.48 47	eP	P	09 18 50.1 +0.3
PD31	comp=Z,2.7nm,1.3s				
PDAR	Pinedale Array	94.48 47	eP	P	09 18 49.5 -0.3
PDAR	comp=Z,1.7nm,1.0s,baz=245,slow=3.0,SNR=10				
PDAR	Pinedale Array	94.48 47	eP	P	09 18 48.2 -1.6
PDAR	baz=259				
RLMT	Red Lodge	95.16 45	eP	P	09 18 53.9 +1.0
RLMT	baz=259				
ANMO	Albuquerque	95.34 56	eP	P	09 18 51.3 -2.6
ANMO	comp=Z,1.0nm,1.0s				
EGMT	Eagleton	95.41 42	eP	P	09 18 54.0 +0.3
EGMT	comp=Z,1.1nm,1.3s				
EGMT	Eagleton	95.41 42	eP	P	09 18 53.2 -0.5
EGMT	baz=258				
S22A	4UR Ranch, Cre	95.56 53	eP	P	09 18 53.5 -1.4
S22A	baz=260				
MNTX	Cornudas Mount	95.64 59	eP	P	09 18 54.4 -0.7
MNTX	comp=Z,1.7nm,0.9s				
MNTX	Cornudas Mount	95.64 59	eP	P	09 18 54.7 -0.4
MNTX	baz=261				
YK6A	Yellowknife Arr	95.90 27	P	P	09 18 53.8 -1.7
YK6A	comp=Z,2.4nm,0.8s,baz=256,slow=4.6,SNR=39				
YK6B	Yellowknife Arr	95.90 27	P	P	09 18 53.5 -2.0
YK6B	comp=Z,2.4nm,0.8s,baz=256,slow=4.6,SNR=39				
SNA4	Sanae	96.33 184	iP	P	09 18 58.5 +1.0
TX31	Lajitas Ar. Si	96.69 62	eP	P	09 19 00.2 +0.2
TXAR	Lajitas Array	96.69 62	eP	P	09 18 59.6 -0.4
TXAR	comp=Z,1.1nm,0.8s,baz=224,slow=4.3,SNR=14				
AAK	Ala-Archa	98.38 312	LR	P	10 05 06.8
AAK	comp=Z,5.1nm,19.1s,slow=23,SNR=6.3				
FFC	Flin Flon	101.17 36	eP	P	09 19 17.9 -1.4
FFC	comp=Z,1.1nm,0.7s,baz=30,slow=1.5,SNR=8.0				
FFC	Flin Flon	101.17 36	eP	P	09 19 18.9 -0.5
FFC	comp=Z,1.1nm,0.7s,baz=30,slow=1.5,SNR=8.0				
ARCES	ARCESS Array B	116.92 345	PKP	P	09 24 13.2 0.0
ARCES	comp=Z,1.1nm,0.7s,baz=30,slow=1.5,SNR=8.0				
KLMR	Klimovskoe	117.17 333	iP	P	09 20 33.5 +3.2
KLMR	comp=Z,1.1nm,1.3s				
KLMR	Klimovskoe	117.17 333	eP	P	09 20 33.5 +3.2
KLMR	comp=Z,1.1nm,1.2s				
KIV	Kislovodsk	121.36 314	iPKIP	P	09 24 23.5 +0.8
KIV	comp=Z,1.7nm,1.0s				
KIEV	Kiev	127.19 326	iPKIP	PKIP	09 24 33.7 -0.2
KIEV	comp=Z,1.7nm,1.0s				
MODS	Modra-Piesok	134.79 320	ePKIP	PKIP	09 24 49.6 +0.2
MODS	comp=Z,1.7nm,1.0s				
MODS	Modra-Piesok	134.79 320	ePKIP	PKIP	09 24 49.6 +0.2
MODS	comp=Z,1.7nm,1.0s				
KEST	Kesra	147.66 321	PKPbc	PKPbc	09 25 14.9 +0.8
KEST	comp=Z,2.9nm,1.0s,baz=294,slow=5.6,SNR=6.0				
KEST	Kesra	147.66 321	ePKPbc	PKPbc	09 25 12.6 +1.2
KEST	comp=Z,2.9nm,1.0s				
ES06	SONSECA Array	150.61 343	ePKPbc	PKPbc	09 25 21.6 +0.1
ES06	comp=Z,0.3s,baz=360,slow=12,SNR=26				
ES06	SONSECA Array	150.61 343	ePKPbc	PKPbc	09 25 27.6 -0.5
ES06	comp=Z,0.3s,baz=360,slow=12,SNR=26				
ESDC	Sonsec Array	150.62 343	PKPbc	PKIP	09 25 22.5 +0.3
ESDC	comp=Z,0.7nm,0.5s,baz=326,slow=2.1,SNR=6.9				

8.3nm,0.3s,baz=106,slow=26,SNR=16	KURK	Kurchatov	6.36 247	↑P	Pn	09 25 58.1 -1.6
0.7nm,0.5s						
2.0nm,0.6s	KURKB	Kurchatov Arra	6.45 247	↑P	Lg	09 27 47.6
0.2nm,0.3s,baz=64,slow=14,SNR=12						
0.1nm,0.3s,baz=56,slow=32,SNR=5.3	KURBB	Kurchatov Arra	6.45 247	↑P	Lg	09 27 50.2
1.6nm,0.7s						
7.2nm,0.8s	KURBB	Kurchatov Arra	6.45 247	↑P	Pn	09 26 01.3 +0.3
0.1nm,0.3s,baz=26,slow=14,SNR=14						
0.2nm,0.5s	MK31	Makanchi Array	7.65 210	↑P	Pn	09 26 18.9 +1.4
1.4nm,0.8s,baz=30,slow=31,SNR=5.8						
0.2nm,0.3s,baz=28,slow=14,SNR=10.0	MK31	Makanchi Array	7.65 210	↑P	Sn	09 27 44.2 -0.7
0.2nm,0.3s,baz=32,slow=33,SNR=5.3						
0.2nm,0.3s,baz=32,slow=33,SNR=5.3	MKAR	Makanchi Array	7.65 210	↑P	Pn	09 26 18.8 +1.3
0.2nm,0.3s,baz=32,slow=33,SNR=5.3						
0.2nm,0.3s,baz=32,slow=33,SNR=5.3	MAKZ	Makanchi	7.74 211	↑P	Lg	09 26 18.2 -0.4
0.2nm,0.9s						
0.8nm,0.7s	MAKZ	Makanchi	7.74 211	↑P	Sn	09 27 46.4 -0.5
1.3nm,0.8s						
0.5nm,0.3s,baz=80,slow=11,SNR=5.7	MAKZ	Makanchi	7.74 211	↑P	Lg	09 28 32.6
0.5nm,0.3s,baz=80,slow=11,SNR=5.7	BVAR	Barovoye Array	10.47 274	↑P	Pn	09 26 58.8 +0.7

ISCJB 16 09:26:18.8±1.3, 42°RS:0.2-83.9E:0.3, h10km, mb4.0/7, Error ellipse: s-maj=31.3km s-min=23.4km az=10.7

1DC 16 09:26:19.1±1.9, 42°RS:83.89E, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.6/4.1, mbtmp3.9/4, Error ellipse: s-maj=51.5km s-min=31.6km az=107.0

NEIC 16 09:26:20.2±1.1, 42°RS:83.83E, h10km, mb4.2/3, Error ellipse: s-maj=32.1km s-min=22.8km az=120.0

ISC 16 09:26:20.4±1.5, 42°RS:0.2-83.9E:0.3, h10km, n17, o=653/11, mb4.2/7, Mid-Indian Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
H01W2	Cape Leeuwin H	24.77	81	Op	09 57 27.3	
	baz=242,slow=74,SNR=46					
H01W3	Cape Leeuwin H	24.78	81	T	09 57 28.0	
	baz=242,slow=74,SNR=44					
H01W1	Cape Leeuwin H	24.79	81	T	09 57 28.6	
	baz=242,slow=74,SNR=46					
H0S2	Diego Garcia H	36.49	341	T	10 11 37.5	
	baz=166,slow=76,SNR=16					
H0S1	Diego Garcia H	36.50	341	T	10 11 38.0	
	baz=166,slow=76,SNR=14					
H0S3	Diego Garcia H	36.51	341	T	10 11 39.1	
	baz=166,slow=76,SNR=20					
ASAR	Alto Springs	45.29	81	P	09 34 53.8 +0.1	
	0.7nm,0.5s,baz=227,slow=7.3,SNR=6.6					
QSPA	South Pole Qui	47.28	180	P	09 34 53.8 +0.1	
	2.6nm,1.0s,baz=323,slow=12.5,SNR=5.5					
QSPA	South Pole Qui	47.28	180	eP	09 34 53.7 +0.7	
WR1	Warramunga Arr	47.93	78	eP	09 34 59.1 0.0	
WR1	comp=Z,1.5nm,0.7s,baz=231,slow=7.8,SNR=19					
WB2	Warramunga Arr	47.94	78	eP	09 34 59.2 0.0	
WB2	comp=Z,1.5nm,0.7s,baz=231,slow=7.8,SNR=19					
WRAB	Tennant Creek	47.95	78	eP	09 34 59.1 -0.1	
	2.6nm,0.9s					
ARMA	Armidale	54.42	101	eP	09 35 47.8 -0.1	
ARMA	comp=Z,1.6nm,0.8s					
CM01	Chiang Mai Arr	62.56	16	eP	09 36 44.9 +0.5	
CMAR	Chiang Mai Arr	62.59	16	P	09 36 45.1 +0.4	
	0.3nm,0.2s,baz=200,slow=4.4,SNR=3.8					
MCMT	McKenzie Canyo	167.77	75	ePKP	09 46 25.2 -1.5	

NEIC 16 09:29:36.0±2.1, 30°55'S:179°77'W, h344km, 5km, mb4.0/17, Error ellipse: s-maj=15.9km s-min=12.8km az=138.0

1DC 16 09:29:39.1±0.6, 30°24'S:179°70'W, h370km, 10km, mb3.4/6, mb1 3.6/6, mb1mx3.2/2.8, mbtmp4.1/6, Error ellipse: s-maj=26.3km s-min=16.5km az=28.0

ISC 16 09:29:37.0±0.5, 30°52'S:0°06'179°88'W:0°07'h350km, n153, o=553/171, mb3.8/14, Kermadec Islands region

Code	Station Name	Δ°	AZ°	
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*M5.4/76, Ms7.5/270*  
**MOS** 16:10:00:23.6, 1.2, 6.46S; 154.40E, h20km, mb5.3/46, MS5.2/12, Error ellipse: s-maj=8.1km s-min=6.8km az=88.8

**NEIC** 16:10:00:24.0, 0.0, 6.55S; 154.41E, h13km, Moment Tensor Solution. s106 Moment tensor: Scale 10<sup>17</sup>Nm; M<sub>rr</sub>3.54; M<sub>θθ</sub>-0.41; M<sub>φφ</sub>-3.13; M<sub>θφ</sub>1.38; M<sub>φθ</sub>1.46; M<sub>θr</sub>-2.77; Best double couple: M<sub>o</sub>4.80000\*10<sup>17</sup> NP1<sub>θφ</sub>154.00000\*, δ65.00000\*, δ65.00000\*. NP2<sub>θφ</sub>339.00000\*, δ25.00000\*, δ25.00000\*. Principal axes: T 4.6800, P1g99.0000\*, Azm60.0000\*, N 0.2200, P1g1.0000\*, Azm155.0000\*, P -4.0000, P1g20.0000\*, Azm245.0000\*, N 0.2240, P1g4.0000\*, Azm338.0000\*, P -4.8690, P1g22.0000\*, Azm246.0000\*, nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-ratio function

**DJA** 16:10:00:24.8, 0.3, 7.3S; 154.5E; h10km, Ms5.3/33, mb5.8/22, mb5.4/33, MLV5.8/1, Mw(MB)5.4/22, Mw(PS)5.7/2

**GCMT** 16:10:00:29.6, 0.2, 6.73S; 0.01E; 154.47E; 0.01, h21km, MW5.7/83, Moment Tensor Solution. s83.c147; s70.c138; Duration: 1:8 Moment tensor: Scale 10<sup>17</sup>Nm; M<sub>rr</sub>3.29E+07; M<sub>θθ</sub>-0.47E+06; M<sub>φφ</sub>-2.82E+06; M<sub>θφ</sub>1.07E+14; M<sub>φθ</sub>1.49E+05; M<sub>θr</sub>-3.13E+16; Best double couple: M<sub>o</sub>4.75600\*10<sup>17</sup> NP1<sub>θφ</sub>159.00000\*, δ67.00000\*, δ74.00000\*. NP2<sub>θφ</sub>328.00000\*, δ23.00000\*, δ80.00000\*. Principal axes: T 4.6440, P1g68.0000\*, Azm77.0000\*; N 0.2240, P1g4.0000\*, Azm338.0000\*, P -4.8690, P1g22.0000\*, Azm246.0000\*, nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-ratio function

**ISC** 16:10:00:24.8, 0.6, 6.61S; 154.60E; 0.03, h19km, 2km, n657, c190/624, mb5.1/231, MS5.3/148, 10C-7D, Bougainville-Solomon Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
RABL	Rabaul	3.41	315	eP	10 01 17.5	+0.4
RABL	Rabaul	3.41	315	eP	10 02 08.9	+2.6
HNR	Honiara	5.99	118	eP	10 01 57.5	+4.9
HNR	Honiara	5.99	118	eP	10 03 14.6	-5.5
HNR	Honiara	5.99	118	eP	10 04 20.2	
HNR	Honiara	5.99	118	eP	10 02 02.0	-6.7
HNR	Honiara	5.99	118	eP	10 03 21.0	+0.8
HNR	Honiara	5.99	118	eP	10 01 56.9	+4.2
HNR	Honiara	5.99	118	eP	10 03 38.3	+1.1
HNR	Honiara	5.99	118	eP	10 01 56.8	+4.2
PMG	Port Moresby	7.88	249	eP	10 02 18.0	-0.4
PMG	Port Moresby	7.88	249	eP	10 03 49.1	+1.9
PMG	Port Moresby	7.88	249	eP	10 02 17.4	-1.0
PMG	Port Moresby	7.88	249	eP	10 02 17.5	-1.0
PMG	Port Moresby	7.88	249	eP	10 03 49.1	
MANU	Manus Island	8.52	302	eP	10 02 27.9	+0.6
COEN	Coen	13.40	236	eP	10 03 32.4	-1.8
COEN	Coen	13.40	236	eP	10 03 35.7	+1.5
PATS	Pohnpei	13.86	116	eP	10 03 42.3	+1.9
PATS	Pohnpei	13.86	116	eP	10 03 41.7	+1.3
JAY	Jayapura	14.43	286	eP	10 03 46.1	-2.3
JAY	Jayapura	14.43	286	eP	10 09 17.6	
JAY	Jayapura	14.43	286	eP	10 03 48.1	-0.3
GENI	Genyem	19.16	145	eP	10 03 55.2	+0.2
MTSU	Mount Surprise	15.23	220	eP	10 03 59.6	+0.6
CTA	Charters Tower	15.66	210	eP	10 04 06.6	+1.9
CTA	Charters Tower	15.66	210	eP	10 10 12.1	
CTAO	Charters Tower	15.66	210	eP	10 04 05.6	+1.0
CTAO	Charters Tower	15.66	210	eP	10 04 05.6	+1.0
EIDS	Eidsvold	18.96	190	eP	10 04 45.7	+0.7
EIDS	Eidsvold	18.96	190	eP	10 04 46.4	+0.6
DZM	Mont Dzumac	19.16	145	eP	10 08 19.2	-3.6
DZM	Mont Dzumac	19.16	145	eP	10 09 18.7	
DZM	Mont Dzumac	19.16	145	eP	10 04 49.5	+1.2
DZM	Mont Dzumac	19.16	145	eP	10 11 01.2	
DZM	Mont Dzumac	19.16	145	eP	10 04 48.6	+0.2
ONTNC	Ouen Toro	19.35	145	eP	10 04 50.6	0.0
OUENC	Ouen Island, N	19.66	144	eP	10 04 54.4	+0.1
MARNC	Mare, Loyalty	19.68	140	eP	10 04 54.6	+0.1
TARA	Tarawa	19.93	67	eP	10 04 58.6	+1.1
TARA	Tarawa	19.93	67	eP	10 04 58.6	+1.1
KWAJ	Kwajalein Atol	20.06	40	eP	10 04 56.6	-0.6
KWAJ	Kwajalein Atol	20.06	40	eP	10 04 56.6	-0.6
KWAJ	Kwajalein Atol	20.06	40	eP	10 04 56.6	-0.6
QIS	Mount Isa	20.09	225	eP	10 04 57.9	+0.3
PINNC	Pines Island	20.16	143	eP	10 04 58.8	+0.5
PINNC	Pines Island	20.16	143	eP	10 04 58.8	+0.5
RMQ	Roma	20.54	195	eP	10 05 03.9	-0.7
GUMO	Guam	22.27	334	eP	10 13 50.2	
GUMO	Guam	22.27	334	eP	10 05 30.0	+9.0
FAKI	Fak Fak	22.57	278	eP	10 05 23.4	-1.0
FAKI	Fak Fak	22.57	278	eP	10 05 23.4	-1.0
FAKI	Fak Fak	22.57	278	eP	10 05 23.4	-1.0
SAUI	Saumliki	23.15	265	eP	10 05 29.3	-1.1
SAUI	Saumliki	23.15	265	eP	10 05 40.2	+1.0
WR0	Warramunga Arr	23.57	234	eP	10 05 40.0	+5.5
WR0	Warramunga Arr	23.57	234	eP	10 05 40.0	+5.5
WR9	Warramunga Arr	23.59	234	eP	10 05 40.0	+5.3
WR9	Warramunga Arr	23.59	234	eP	10 05 40.0	+5.3
WB9	Warramunga Arr	23.61	234	eP	10 05 40.0	+5.1
WB9	Warramunga Arr	23.61	234	eP	10 05 40.0	+5.1
WR7	Warramunga Arr	23.62	234	eP	10 05 40.0	+5.0
WR7	Warramunga Arr	23.62	234	eP	10 05 40.0	+5.0
WB8	Warramunga Arr	23.62	234	eP	10 05 40.0	+5.0
WB8	Warramunga Arr	23.62	234	eP	10 05 40.0	+5.0
WR6	Warramunga Arr	23.63	234	eP	10 05 40.0	+4.9
WR6	Warramunga Arr	23.63	234	eP	10 05 40.0	+4.9
WR5	Warramunga Arr	23.65	234	eP	10 05 40.0	+4.7
WR5	Warramunga Arr	23.65	234	eP	10 05 40.0	+4.7
WB6	Warramunga Arr	23.65	234	eP	10 05 40.0	+4.7
WB6	Warramunga Arr	23.65	234	eP	10 05 40.0	+4.7
WB5	Warramunga Arr	23.66	234	eP	10 05 40.0	+4.5
WB5	Warramunga Arr	23.66	234	eP	10 05 40.0	+4.5
WR4	Warramunga Arr	23.67	234	eP	10 05 40.0	+4.5
WR4	Warramunga Arr	23.67	234	eP	10 05 40.0	+4.5

WB4	Warramunga Arr	23.68	234	eP	10 05 40.0	+4.4
WB4	Warramunga Arr	23.68	234	eP	10 05 40.0	+4.4
WR3	Warramunga Arr	23.68	234	eP	10 05 40.0	+4.4
WR3	Warramunga Arr	23.68	234	eP	10 05 40.0	+4.4
WC2	Warramunga Arr	23.69	234	eP	10 05 40.0	+4.3
WC2	Warramunga Arr	23.69	234	eP	10 05 40.0	+4.3
WB3	Warramunga Arr	23.70	234	eP	10 05 40.0	+4.2
WB3	Warramunga Arr	23.70	234	eP	10 05 40.0	+4.2
WC3	Warramunga Arr	23.70	234	eP	10 05 40.0	+4.2
WC3	Warramunga Arr	23.70	234	eP	10 05 40.0	+4.2
WR2	Warramunga Arr	23.70	234	eP	10 05 40.0	+4.2
WR2	Warramunga Arr	23.70	234	eP	10 05 40.0	+4.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WRAB	Tennant Creek	23.71	234	eP	10 05 34.6	-1.2
WB2	Warramunga Arr	23.71	234	eP	10 05 34.3	-1.6
WB2	Warramunga Arr	23.71	234	eP	10 05 34.3	-1.6
WB2	Warramunga Arr	23.71	234	eP	10 05 34.3	-1.6
WB2	Warramunga Arr	23.71	234	eP	10 05 34.3	-1.6
WB2	Warramunga Arr	23.71	234	eP	10 05 34.3	-1.6
WC1	Warramunga Arr	23.71	234	eP	10 05 40.0	+4.1
WC1	Warramunga Arr	23.71	234	eP	10 05 40.0	+4.1
WR1	Warramunga Arr	23.72	234	eP	10 05 33.9	-2.1
WR1	Warramunga Arr	23.72	234	eP	10 09 20.5	+0.4
WR1	Warramunga Arr	23.72	234	eP	10 12 58.2	+0.5
WR1	Warramunga Arr	23.72	234	eP	10 05 33.8	-2.1
WRA	Warramunga Arr	23.72	234	eP	10 09 20.5	+0.4
WRA	Warramunga Arr	23.72	234	eP	10 12 58.2	+0.5
WRA	Warramunga Arr	23.72	234	eP	10 15 35.8	
WRA	Warramunga Arr	23.72	234	eP	10 17 03.0	-0.7
WRA	Warramunga Arr	23.72	234	eP	10 05 50.0	+1.4
WC4	Warramunga Arr	23.73	234	eP	10 05 37.5	+0.3
WC4	Warramunga Arr	23.73	234	eP	10 05 37.5	+0.3
ARMA	Armidale	23.85	186	eP	10 05 39.0	+1.7
ARMA	Armidale	23.85	186	eP	10 05 39.0	+1.7
ARMA	Armidale	23.85	186	eP	10 05 39.0	+1.7
ARMA	Armidale	23.85	186	eP	10 05 39.0	+1.7
ARMA	Armidale	23.85	186	eP	10 05 39.0	+1.7
MTN	Mannton Dam	23.93	253	eP	10 05 36.7	-1.3
MTN	Mannton Dam	23.93	253	eP	10 05 39.1	+1.1
SIJI	Sorong	23.96	283	eP	10 05 37.7	-0.6
SIJI	Sorong	23.96	283	eP	10 05 37.7	-0.6
PALU	Palau	24.40	304	eP	10 05 43.7	+1.4
PALU	Palau	24.40	304	eP	10 05 43.7	+1.4
ANA2	Anatahan	24.44	339	eP	10 05 50.0	+7.3
ANA2	Anatahan	24.44	339	eP	10 05 50.0	+7.3
BNDI	Bandanaira	24.67	274	eP	10 05 59.0	+1.4
LHI	Lord Howe Isla	25.14	171	eP	10 05 48.9	+0.1
LHI	Lord Howe Isla	25.14	171	eP	10 05 48.9	+0.1
LHI	Lord Howe Isla	25.14	171	eP	10 05 48.9	+0.1
LHI	Lord Howe Isla	25.14	171	eP	10 05 48.9	+0.1
LHI	Lord Howe Isla	25.14	171	eP	10 05 48.9	+0.1
AS01	Alice Springs	26.11	227	eP	10 05 56.4	-1.4
AS31	Alice Springs	26.14	227	eP	10 05 56.4	-1.7
AS31	Alice Springs	26.14	227	eP	10 05 56.4	-1.7
ASAR	Alice Springs	26.14	227	eP	10 05 56.9	-1.3
ASAR	Alice Springs	26.14	227	eP	10 09 26.1	+0.7
ASAR	Alice Springs	26.14	227	eP	10 13 05.0	+0.6
ASAR	Alice Springs	26.14	227	eP	10 15 28.3	
CMSA	Cobar Meteorol	26.17	197	eP	10 05 59.2	+1.0
MGCD	Mangrove Creek	26.67	187	eP	10 06 05.4	+2.7
MGCD	Mangrove Creek	26.67	187	eP	10 06 05.4	+2.7
KNRA	Kununurra	26.88	248	eP	10 06 04.6	-0.2
KNRA	Kununurra	26.88	248	eP	10 06 13.2	-0.8
STKA	Stephens Creek	27.92	204	eP	10 13 11.0	+1.5
STKA	Stephens Creek	27.92	204	eP	10 17 50.3	
STKA	Stephens Creek	27.92	204	eP	10 06 13.0	-1.0
STKA	Stephens Creek	27.92	204	eP	10 06 13.2	-0.8
STKA	Stephens Creek	27.92	204	eP	10 06 13.0	-1.0
STKA	Stephens Creek	27.92	204	eP	10 06 13.0	-1.0
STKA	Stephens Creek	27.92	204	eP	10 06 13.0	-1.0
TNTI	Ternate	28.15	284	eP	10 06 12.8	-3.4
TNTI	Ternate	28.15	284	eP	10 06 12.8	-3.4
WAKE	Wake Island	28.34	25	eP	10 06 30.0	+1.2
WAKE	Wake Island	28.34	25	eP	10 06 30.0	+1.2
SANI	Sanana	28.88	278	eP	10 06 27.5	+4.8
CAN	Canberra	29.04	189	eP	10 06 40.0	+1.6
CAN	Canberra	29.04	189	eP	10 06 40.0	+1.6
SOEI	Soe	30.18	262	eP	10 06 33.3	-1.2
SOEI	Soe	30.18	262	eP	10 06 47.9	+1.3
SOEI	Soe	30.18	262	eP	10 06 35.5	-1.5
SOEI						









16d 10h

Table with columns for station ID, name, frequency, and other details. Includes stations like JCT Junction City, GNAR Gosnell, BGNE Belgrade, FVM French Village, HKT Hockley, MET Memphis-Engin, etc.

2018 APR

Table with columns for station ID, name, frequency, and other details. Includes stations like K39A Oelwein, S22A 4UR Ranch, C44A Stutzman Family, M40A Mansfield, T47A Sharon Grove, etc.

904

Table with columns for station ID, name, frequency, and other details. Includes stations like X51A Calhoun, K22A Casper, Z51A Franklin, J43A Natural Harves, Q49A Aurora, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like O53A New Philadelph, Q54A Cocks Mills, etc.

10 16:19:49.0-3.3, 78.89S; 158.42E, h0km, mb3.4/2, mb1 3.6/4, mb1mx3.4/37, mbtmp3.4/4, Error ellipse: s-maj=61.7km s-min=19.0km az=135.0, Victoria Land

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

10 16:20:27.41.7-1.4, 6.76N; 126.81E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/46, mbtmp3.4/4, Error ellipse: s-maj=27.5km s-min=13.3km az=37.0

10 16:20:47.2-0.9, 6.59N; 0.06; 126.51E; 0.07, h49km, 9km, mb3.3/4, Error ellipse: s-maj=12.1km s-min=9.7km az=10.7

10 16:20:49.9, 6.61N; 126.30E, h16km, MS3.0, ISC 16:20:47.2-2.0, 6.60N; 0.06; 126.49E; 0.09, h32km, 14km, n13, c1916/20, mb3.3/4, 2C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MATI Mati, DMPH Davao City, etc.

10 16:26:25.5-6.4, 16.43S; 175.88E, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.6/33, mbtmp3.8/3, MS4.2/1, MS1 4.2/1, ms1mx3.7/4, Error ellipse: s-maj=126.0km s-min=138.9km az=73.0, Fiji Islands region

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

10 16:30:32.3-3.4, 31.50N; 140.42E, h52km, 30km, mb3.4/7, mb1 3.6/7, mb1mx3.3/39, mbtmp3.6/7, Error ellipse: s-maj=38.9km s-min=20.9km az=79.0

10 16:30:35.3-1.1, 31.90N; 0.08; 140.5E; 0.1, h79km, 9km, mb3.5/7, Error ellipse: s-maj=19.3km s-min=11.5km az=21.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMA 16:30:35.3-4.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHU 28nm, 0.3s, baz=37, slow=22, SNR=6.7, JMKM Mikurajmanish, etc.

10 16:44:10.6-0.3, 28.09N; 62.11E, h0km, mb6.3/55, mb1 6.3/56, mb1mx6.3/58, mbtmp6.3/56, ML6.4/1, MS7.4/42, MS1 7.4/42, ms1mx7.3/48, Error ellipse: s-maj=9.0km s-min=7.5km az=174.0

10 16:44:15.2-2.1, 27.82N; 61.82E, h79km, 19km, mb6.7, Error ellipse: s-maj=22.8km s-min=10.2km az=133.0

10 16:44:16.2-0.2, 27.95N; 0.01; 62.066E; 0.009, h60km, 1km, mb6.9/512, MS7.4/96, Error ellipse: s-maj=2.0km s-min=1.2km az=16.7

10 16:44:16.4-0.7, 28.06N; 62.05E, h30km, mb7.1/6, ML7.3/8, Error ellipse: s-maj=14.4km s-min=6.8km az=148.0

10 16:44:17.4-1.0, 28.10N; 62.04E, h68km, mb7.2/128, MS7.3/41, Error ellipse: s-maj=3.7km s-min=2.6km az=109.3 Broadband fault plane solution: P waves. Ms2.10000x1020 NP1:230.00000; 864.00000; -1.119.00000; NP2:150.00000; 830.00000; -1.11.00000; Principal axes: T P1g33.00000; Azm344.00000; P P1g29.00000; Azm233.00000; P P1g43.00000; Azm112.00000;

10 16:44:18.2-28.10N; 62.10E, h75km, mb6.8/79, mb7.5/81, MS7.7/97, MS7.7.6/89

10 16:44:18.2-0.0, 27.88N; 62.03E, h70km, OMAN 16:44:19.4-0.4, 27.76N; 62.06E, h80km, 4km, mb7.5/9, Mwp8.1/28, Error ellipse: s-maj=5.6km s-min=2.0km az=240.0

10 16:44:20.2-0.1, 28.03N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:20.0-0.0, 28.01N; 62.00E, h80km, mb7.0/297, ME7.4, MW7.7, MW7.7; Error ellipse: s-maj=3.3km s-min=2.2km az=19.0 Moment Tensor Solution: s71 Moment tensor: Scale 10^21Nm; M1:3.31; M2:29; M3:0.02; Ms1.32; Ms1.53; Ms1.32; Best double couple: Ms4.10000x1020 NP1:236.00000; 634.00000; -1.68.00000; NP2:236.00000; 659.00000; -1.104.00000; Principal axes: T 4.2900, P1g13.00000; Azm333.00000; N -0.4300, P1g12.00000; Azm244.00000; P -3.8500, P1g72.00000; Azm113.00000; Broadband fault plane solution: P waves. NP1:55.00000; 815.00000; -1.90.00000; NP2:235.00000; 875.00000; -1.90.00000; Principal axes: T P1g30.00000; Azm325.00000; N -0.00000; Azm0.00000;

10 16:44:19.0-0.2, 27.97N; 62.14E, h51km, 10km, mb3.6/3, mb1mx3.3/39, mbtmp3.6/7, Error ellipse: s-maj=19.3km s-min=11.5km az=21.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SZDI Zahaedan-imp, ZHSF Zahedan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ITEG Tejag, BIDO Bidbid, MDH Madha, etc.

16d 10h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Firozkooh, Nilore, Chirah Chowk, etc.

2013 APR

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Marand, Uchtor, EKSZ, etc.

906

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like AAA, KNDK, MDOK, etc.







Table with columns for call sign, name, frequency, and other parameters. Includes stations like ANAF, CHOS, EZN, GELI, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes stations like KAVA, KAVR, TESRA, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes stations like GRG, LOT, LOTR, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes stations like GRG, LOT, LOTR, etc.















16d 10h

LONY	comp=Z,404nm,1.1s Lake Ozonia baz=38,SNR=19	97.66 320	P	P	10 57 45.7 -1.1
BCX	Boston College comp=Z,1um,1.5s	97.96 327	eP	P	10 57 46.9 -0.8
WES	Weston comp=Z,2um,1.8s	97.90 327	eP	P	10 57 46.7 -1.2
WES	Weston			Pmax	
HRV	comp=Z,2um,1.8s Adam Dziewonsk	97.92 327	eP	Pmax	10 57 47.1 -0.9
HRV	comp=Z,1um,1.8s Adam Dziewonsk	97.92 327	eP	Pmax	10 57 47.1 -0.9
HRV	comp=Z,1um,1.8s Adam Dziewonsk	97.92 327	P	P	10 57 46.8 -1.2
PEMO	Pembroke baz=40	97.93 333	P	P	10 57 46.5 -1.5
E52A	Mattawa baz=34,SNR=11	98.00 334	P	P	10 57 46.8 -1.6
NCB	Newcomb comp=Z,410nm,2.0s	98.01 330	eP	P	10 57 46.8 -1.6
ALGO	Algonquin Park baz=35	98.03 332	P	P	10 57 46.7 -1.8
G55A	Calabogie baz=36	98.06 332	P	P	10 57 47.2 -1.4
E51A	G1948 Merrick baz=34,SNR=18	98.12 334	P	P	10 57 47.6 -1.2
H02S1	DAWSON INLET T	98.17 9	P	Pdiff	10 57 51.7 +2.7
D49A	Beulah Townsh baz=32	98.19 336	P	P	10 57 48.4 -0.8
M65A	Busby, Falmout baz=41	98.19 326	P	P	10 57 48.1 -1.2
ACCN	Adirondack Com comp=Z,910nm,1.8s	98.22 329	eP	P	10 57 48.5 -0.9
BRYW	Bryant College comp=Z,2um,1.6s	98.36 327	eP	P	10 57 48.9 -1.1
PLVO	Plevna comp=Z,223nm,1.3s	98.38 332	eP	Pdiff	10 57 50.1 0.0
PLVO	Plevna baz=36	98.38 332	P	P	10 57 49.0 -1.1
H56A	Elgin baz=36	98.40 331	P	P	10 57 48.7 -1.4
D48A	Paudash Townsh baz=32	98.44 336	P	P	10 57 48.9 -1.4
QUA2	Beichertown comp=Z,967nm,1.6s	98.47 328	eP	P	10 57 49.8 -0.7
F52A	Sundridge baz=34,SNR=19	98.67 334	P	P	10 57 50.5 -0.8
E50A	Wahnapiatae baz=33,SNR=12	98.68 335	P	P	10 57 50.7 -0.7
TRY	Troy comp=Z,375nm,1.3s	98.73 329	eP	P	10 57 51.6 -0.1
BANO	Bancroft baz=35	98.75 333	P	P	10 57 50.3 -1.4
F51A	Arnstein baz=33	98.78 334	Pdiff	P	10 57 50.9 -0.9
H55A	Tweed baz=36	98.82 332	Pdiff	P	10 57 50.0 -2.0
G53A	Haliburton baz=34	98.94 333	Pdiff	P	10 57 51.3 -1.3
BUKO	Buck Lake baz=34	98.99 334	Pdiff	P	10 57 51.1 -1.7
D47A	Chapleau baz=31	99.00 337	Pdiff	P	10 57 51.7 -1.1
DELO	Deloro Mine baz=35	99.03 332	Pdiff	Pdiff	10 57 51.5 -1.5
E48A	Lockeyer baz=32	99.16 336	Pdiff	Pdiff	10 57 52.1 -1.4
PECO	Prince Edward baz=36	99.24 331	Pdiff	Pdiff	10 57 52.1 -1.8
I55A	Frankford baz=35	99.30 332	Pdiff	Pdiff	10 57 52.0 -2.2
KLBO	Killbuck Provi baz=33	99.38 334	Pdiff	Pdiff	10 57 53.6 -0.9
KSCT	Kent School, K comp=Z,180nm,1.5s	99.43 328	eP	Pdiff	10 57 54.1 -0.7
SADO	Sadowa comp=Z,12nm,0.7s,baz=77,slow=3.0,SNR=9.3	99.44 333	P	P	10 57 57.1 +2.2
SADO	comp=Z,23nm,1.1s,baz=274,slow=17,SNR=2.8	99.44 333	eP	SKSac	11 08 24.9 -3.0
SADO	Sadowa comp=Z,172nm,1.2s	99.46 337	Pdiff	Pdiff	10 57 56.4 +1.5
D46A	Sault St. Mari baz=30	99.49 327	ePdiff	Pdiff	10 57 53.8 -1.2
YLE	Yale comp=Z,686nm,1.4s	99.58 337	ePdiff	Pdiff	10 57 54.5 -0.8
E47A	Iron Bridge baz=31	99.58 337	Pdiff	Pdiff	10 57 54.5 -0.8
BBB	Bella Bella comp=Z,14nm,0.9s,baz=341,slow=4.6,SNR=2.6	99.72 346	P	Pdiff	10 57 58.9 +3.2
ULM	Lac du Bonnet comp=Z,51nm,0.9s,baz=18,slow=4,SNR=62	99.72 346	eP	Pdiff	10 57 54.4 -1.5
ULM	comp=Z,21nm,1.0s,baz=170,slow=4.7,SNR=2.0	99.72 346	eP	SKSac	11 08 27.8 -1.2
ULM	comp=Z,20nm,1.0s,baz=187,slow=4.4,SNR=5.4	99.72 346	eP	PKKpbc	11 14 18.6 +1.3
ULM	comp=Z,3.0nm,0.8s,baz=239,slow=3.5,SNR=3.8	99.72 346	eP	PKKpbc	11 22 35.3 -0.5
ULM	comp=Z,178um,19.8s,baz=16,slow=38	99.72 346	eP	PKKpbc	10 57 54.5 -1.3
ULM	comp=Z,244nm,1.1s	99.72 346	eP	Pdiff	10 57 54.6 -1.3
ULM	comp=Z,244nm,1.1s	99.72 335	Pdiff	Pdiff	10 57 54.5 -1.5
WLVO	Wesleyville baz=35	99.84 332	Pdiff	Pdiff	10 57 55.2 -1.4
H52A	Wyevale baz=34	99.85 334	Pdiff	Pdiff	10 57 55.2 -1.4
F48A	Evansville baz=31	99.88 336	Pdiff	Pdiff	10 57 55.7 -1.1
TOBO	Tobermory, Bru baz=32	99.98 335	Pdiff	Pdiff	10 57 56.3 -0.9
DRCO	St. Marys Ceme baz=34	100.00 332	Pdiff	Pdiff	10 57 56.1 -1.2
E46A	Sault Ste Mari baz=30	100.01 337	Pdiff	Pdiff	10 57 55.8 -1.5
DRWO	Darlington Woe baz=34	100.02 332	Pdiff	Pdiff	10 57 56.3 -1.0
PKRO	Pickering baz=34	100.08 333	Pdiff	Pdiff	10 57 56.5 -1.2
J55A	Hilton baz=35	100.14 331	Pdiff	Pdiff	10 57 56.2 -1.7
C40A	Isle Royale Na baz=26	100.17 341	Pdiff	Pdiff	10 57 56.7 -1.3
PAL	Palisades baz=33	100.19 328	Pdiff	Pdiff	10 57 56.6 -1.6
BINY	Binghamton baz=37	100.20 330	Pdiff	Pdiff	10 57 56.8 -1.5
E45A	Wooded Hills, baz=29	100.31 338	Pdiff	Pdiff	10 57 56.7 -2.0
E44A	Grand Marais A baz=28	100.33 338	Pdiff	Pdiff	10 57 57.6 -1.1
BMRO	Merriville Lake baz=32	100.40 334	Pdiff	Pdiff	10 57 57.9 -1.2
I53A	Kortright Cn E baz=34	100.41 333	Pdiff	Pdiff	10 57 57.8 -1.3
I52A	Shelburne baz=33	100.44 333	Pdiff	Pdiff	10 57 58.2 -1.1
J54A	Appleton baz=35	100.47 332	Pdiff	Pdiff	10 57 57.9 -1.5
TORO	Toronto-Lesli baz=34	100.48 333	Pdiff	Pdiff	10 57 57.8 -1.6
MEDO	Medina baz=35	100.48 332	Pdiff	Pdiff	10 57 58.2 -1.3
EIDS	Eidsvold baz=30	100.61 113	ePdiff	Pdiff	10 57 59.4 -0.9
F46A	Macinaw City C baz=30	100.68 337	Pdiff	Pdiff	10 57 58.7 -1.5
K55A	Perry baz=35	100.68 331	Pdiff	Pdiff	10 57 58.7 -1.7
STCO	Saint Catharin baz=34	100.75 332	Pdiff	Pdiff	10 57 58.5 -2.1
D41A	Chassel baz=26	100.77 340	Pdiff	Pdiff	10 57 58.4 -2.2
BWLO	Walkerton baz=33	100.77 334	Pdiff	Pdiff	10 57 59.9 -0.9
ACTO	Acton baz=34	100.78 333	Pdiff	Pdiff	10 57 59.1 -1.7
BRCO	Bruce Peninsul baz=32	100.78 334	Pdiff	Pdiff	10 57 58.9 -1.9
EYMN	Ely baz=24	100.80 342	ePdiff	Pdiff	10 57 59.1 -1.7
EYMN	Ely	100.80 342	Pdiff	Pdiff	10 57 59.3 -1.5
G47A	Hillman baz=23	100.88 336	Pdiff	Pdiff	10 58 00.1 -1.1

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E43A	baz=30 Lone Tree Farm baz=28	100.89 339	Pdiff	Pdiff	10 57 59.7 -1.6
I51A	L12 Stowel baz=33	100.99 334	Pdiff	Pdiff	10 58 00.4 -1.4
F45A	CMU Biological baz=29	101.02 338	Pdiff	Pdiff	10 57 59.7 -2.1
F44A	Big Bay de Noc baz=29	101.06 338	Pdiff	Pdiff	10 57 59.6 -2.4
BASO	Ashfield baz=32	101.06 334	Pdiff	Pdiff	10 58 00.5 -1.6
H48A	Harrisville baz=31	101.10 336	Pdiff	Pdiff	10 58 01.0 -1.2
G46A	Petoskey baz=29	101.11 337	Pdiff	Pdiff	10 58 00.9 -1.3
TYNO	Tyneside baz=34	101.13 333	Pdiff	Pdiff	10 58 00.8 -1.6
N59A	State Game Lan baz=37	101.13 329	Pdiff	Pdiff	10 58 01.4 -1.0
E42A	Champion baz=27	101.14 339	Pdiff	Pdiff	10 58 00.9 -1.5
HNR	Honiara 101.22 95		P	Pdiff	10 58 01.5 -1.7
J52A	Paris 101.25 333		Pdiff	Pdiff	10 58 02.0 -0.9
L55A	Hinsdale baz=33	101.28 331	Pdiff	Pdiff	10 58 01.6 -1.5
E41A	Kenon baz=26	101.43 340	Pdiff	Pdiff	10 58 01.9 -1.7
F43A	Flat Rock, Esc baz=27	101.43 339	Pdiff	Pdiff	10 58 02.3 -1.3
GLMI	Grayling baz=30	101.46 337	Pdiff	Pdiff	10 58 02.4 -1.4
H47A	Mio baz=30	101.51 336	Pdiff	Pdiff	10 58 02.8 -1.3
AGMN	Agassiz Nation baz=29	101.55 345	Pdiff	Pdiff	10 58 02.8 -1.4
I49A	Point Hope baz=31	101.57 335	Pdiff	Pdiff	10 58 02.9 -1.3
L54A	Sinclairville baz=32	101.61 332	Pdiff	Pdiff	10 58 03.2 -1.4
ELFO	Elginfield baz=32	101.62 334	Pdiff	Pdiff	10 58 03.1 -1.5
G45A	Suttons Bay baz=29	101.63 337	Pdiff	Pdiff	10 58 04.0 -0.6
I48A	Shenan Twp baz=30	101.68 336	Pdiff	Pdiff	10 58 04.0 -0.8
E40A	Wakefield baz=25	101.72 341	Pdiff	Pdiff	10 58 03.7 -1.3
K52A	Tilcomburg baz=33	101.73 333	Pdiff	Pdiff	10 58 03.6 -1.5
F42A	Maple Grove Fa baz=27	101.80 339	Pdiff	Pdiff	10 58 03.5 -1.8
COWI	Conover 101.81 340		ePdiff	Pdiff	10 58 04.4 -0.9
H46A	White Lake baz=29	101.91 337	Pdiff	Pdiff	10 58 04.5 -1.3
E39A	Mellen baz=34	101.97 341	Pdiff	Pdiff	10 58 04.7 -1.4
ERPA	Erie baz=24	101.99 332	Pdiff	Pdiff	10 58 04.6 -1.6
M55A	Ridgway baz=35	102.01 331	Pdiff	Pdiff	10 58 05.9 -0.5
E38A	The Farm, Brul 102.05 342		ePdiff	Pdiff	10 58 05.0 -1.3
E38A	The Farm, Brul 102.05 342		Pdiff	Pdiff	10 58 05.1 -1.3
K51A	Iona Station baz=32	102.09 333	Pdiff	Pdiff	10 58 05.0 -1.7
G43A	Wallace baz=27	102.11 339	Pdiff	Pdiff	10 58 05.9 -0.8
I47A	Gladwin baz=30	102.12 336	Pdiff	Pdiff	10 58 06.2 -0.6
F41A	Three Lakes baz=26	102.12 340	Pdiff	Pdiff	10 58 05.1 -1.6
H45A	Beulah baz=28	102.13 337	Pdiff	Pdiff	10 58 05.7 -1.0
MVL	Millersville 102.13 329		ePdiff	Pdiff	10 58 05.4 -1.5
J49A	Mariette 102.18 335		Pdiff	Pdiff	10 58 05.8 -1.3
L53A	Girard baz=34	102.24 332	Pdiff	Pdiff	10 58 06.5 -0.8
F40A	Park Falls baz=25	102.26 341	Pdiff	Pdiff	10 58 07.5 -1.6
SSPA	Standing Stone baz=36	102.31 330	Pdiff	Pdiff	10 58 07.2 -0.5
G42A	Mountain baz=29	102.36 339	Pdiff	Pdiff	10 58 06.4 -1.4
M54A	Oil Creek Stat baz=34	102.36 332	Pdiff	Pdiff	10 58 06.8 -1.1
J48A	Bridge Port baz=29	102.48 335	Pdiff	Pdiff	10 58 06.7 -1.7
F39A	Loretta baz=24	102.50 341	Pdiff	Pdiff	10 58 06.2 -2.2
I46A	Reed City baz=29	102.52 337	Pdiff	Pdiff	10 58 07.7 -0.8
G41A	Antio baz=26	102.62 340	Pdiff	Pdiff	10 58 07.4 -1.5
N55A	Marion Center baz=35	102.67 331	Pdiff	Pdiff	10 58 07.8 -1.5
I45A	Fountain baz=29	102.71 337	Pdiff	Pdiff	10 58 08.2 -1.2
F38A	Pierce - Schro baz=23	102.73 342	Pdiff	Pdiff	10 58 08.8 -0.6
MDND	Maddock baz=11	102.76 348	Pdiff	Pdiff	10 58 08.7 -0.9
K49A	Clarkson baz=31	102.80 335	Pdiff	Pdiff	10 58 07.2 -2.5
SDMD	Soldier's Deli 102.82 329		ePdiff	Pdiff	10 58 09.3 -0.7
M53A	WJ Miller and 102.84 332		Pdiff	Pdiff	10 58 08.5 -1.5
H43A	Windswept, Lux baz=27	102.84 338	Pdiff	Pdiff	10 58 09.4 -0.5
G40A	Rib Lake baz=30	102.88 340	Pdiff	Pdiff	10 58 09.0 -1.1
O56A	Blue Knob Stat baz=35	102.91 330	Pdiff	Pdiff	10 58 09.3 -1.1
J47A	Summer baz=30	102.91 336	Pdiff	Pdiff	10 58 08.2 -2.1
DGMT	Dagmar baz=12	102.93 351	ePdiff	Pdiff	10 58 10.4 +0.1
DGMT	Dagmar baz=12	102.93 351	Pdiff	Pdiff	10 58 09.4 -0.9
N54A	Moraine State baz=34	102.95 332	Pdiff	Pdiff	10 58 09.2 -1.3
K48A	Perry baz=30	103.03 335	Pdiff	Pdiff	10 58 09.9 -0.9
M52A	Chesterland baz=33	103.03 333	Pdiff	Pdiff	10 58 10.3 -0.6
H42A	Shinton baz=26	103.05 339	Pdiff	Pdiff	10 58 09.9 -1.0
J46A	Howard City baz=29	103.11 336	Pdiff	Pdiff	10 58 10.5 -0.6

S55A Lewisburg	105.81 330	Pdiff	Pdiff	10 58 22.7 -0.7	Y60A Bolivia	107.82 326	Pdiff	Pdiff	10 58 31.7 -0.6	V49A McMinnville	109.80 333	Pdiff	Pdiff	10 58 42.3 +1.1
L47A Preston	105.86 339	Pdiff	Pdiff	10 58 22.4 -1.0	R37A Woolly Knot Far	107.85 335	Pdiff	Pdiff	10 58 31.7 -0.6	VNA2 Neumayer-Watz	109.81 199	PKKP	PKKP	11 13 49.6 +1.8
L51A Hurt	105.89 329	Pdiff	Pdiff	10 58 21.9 -1.7	U45A Fall Branch	107.90 331	Pdiff	Pdiff	10 58 31.8 -0.9	VNA2 Neumayer-Watz	109.81 199	PKKP	PKKP	11 02 50.2 +1.0
SUSD Miller	105.89 346	Pdiff	Pdiff	10 58 23.1 -0.5	X58A Rowland	107.92 327	Pdiff	Pdiff	10 58 32.9 +0.2	158A Hollywood	109.81 327	Pdiff	Pdiff	10 58 41.6 +0.5
M43A Waltham Townsh	105.94 338	Pdiff	Pdiff	10 58 22.3 -1.5	Q45A Warren Harvey,	107.92 336	Pdiff	Pdiff	10 58 33.2 +0.5	W51A Cleveland	109.85 332	Pdiff	Pdiff	10 58 41.7 +0.3
V60A Jim Taylor Roa	105.94 327	Pdiff	Pdiff	10 58 23.3 -0.6	T51A Gray	107.97 332	Pdiff	Pdiff	10 58 33.3 +0.4	OGNE Ogallala	109.88 347	Pdiff	Pdiff	10 58 42.0 +0.5
N45A Kentland	105.96 337	Pdiff	Pdiff	10 58 22.9 -1.0	I05D Terabonne, OR	107.97 3 3	Pdiff	Pdiff	10 58 32.9 0.0	Z56A Williston	109.89 328	Pdiff	Pdiff	10 58 41.8 +0.3
Q51A Peebles	105.97 333	Pdiff	Pdiff	10 58 22.3 -1.6	FLWY Flagg Ranch	108.00 355	ePdiff	Pdiff	10 58 32.6 -0.6	VNA1 Neumayer-Stat	109.94 200	PKKP	PKKP	11 13 43.1 -4.2
R53A Hurricane	105.97 331	Pdiff	Pdiff	10 58 23.3 -0.7	W56A Indian Trail	108.03 329	Pdiff	Pdiff	10 58 32.8 -0.5	VNA1 Neumayer-Stat	109.94 200	PKKP	PKKP	11 02 46.5 +3.3
O47A Sheridan	106.02 335	Pdiff	Pdiff	10 58 21.5 -2.7	I02D Whisshome	108.07 5 5	Pdiff	Pdiff	10 58 34.1 +0.9	VNA1 Neumayer-Stat	109.94 200	Pdiff	Pdiff	10 58 46.1 +5.5
ECSD EROS Data Cent	106.03 344	ePdiff	Pdiff	10 58 23.6 -0.6	V54A Nebo	108.11 330	Pdiff	Pdiff	10 58 33.3 -0.4	X52A Dahlonega	109.96 331	Pdiff	Pdiff	10 58 42.2 +0.4
ECSD EROS Data Cent	106.03 344	Pdiff	Pdiff	10 58 23.0 -1.2	TZTN Tazewell	108.16 331	Pdiff	Pdiff	10 58 32.7 -1.2	SMRT St. Maarten	109.97 304	eP	PP	11 03 17.8 +0.8
U58A Oxford	106.05 328	Pdiff	Pdiff	10 58 22.2 -2.2	U52A Thorn Hill	108.21 331	Pdiff	Pdiff	10 58 34.5 +0.4	SMRT St. Maarten	109.97 304	eP	PP	11 09 16.1 -0.5
P49A Miami Univ. Ec	106.08 334	Pdiff	Pdiff	10 58 23.2 -1.3	S48A Wiedeman Farm,	108.22 334	Pdiff	Pdiff	10 58 33.8 -0.4	LO2E Cave Junction	110.02 5 4	Pdiff	Pdiff	10 58 43.6 +1.7
L30A Anamosa	106.10 340	Pdiff	Pdiff	10 58 22.2 -2.2	T50A Nancy	108.29 333	Pdiff	Pdiff	10 58 31.2 -3.2	L04D Klamath Falls	110.04 4 4	Pdiff	Pdiff	10 58 42.6 +0.4
F04D Rainier, OR	106.15 4	Pdiff	Pdiff	10 58 23.3 -1.4	R46A Gibon Southern	108.29 335	Pdiff	Pdiff	10 58 32.2 -2.1	W50A Signal Mountai	110.05 332	Pdiff	Pdiff	10 58 42.7 +0.5
M42A Sheffield	106.19 338	Pdiff	Pdiff	10 58 23.3 -1.5	X57A Johnson Farm,	108.35 328	Pdiff	Pdiff	10 58 32.3 -2.3	Y54A Tignall	110.05 329	Pdiff	Pdiff	10 58 41.7 -0.5
GCMT Greycliff	106.21 354	ePdiff	Pdiff	10 58 23.6 -1.5	KM5C Kings Mountain	108.37 329	Pdiff	Pdiff	10 58 35.1 +0.4	MLYT Lee's Yard	110.15 303	eP	PP	11 03 23.0 +4.7
T56A Rocky Mt	106.22 329	Pdiff	Pdiff	10 58 25.0 -0.1	Q43A New Douglas	108.42 337	Pdiff	Pdiff	10 58 33.8 -1.1	MLYT Lee's Yard	110.15 303	eP	PP	11 09 24.1 +6.6
N44A Piper City	106.23 337	Pdiff	Pdiff	10 58 23.7 -1.3	I04A Tendick Farm,	108.47 3 3	Pdiff	Pdiff	10 58 34.2 -0.9	U46A Springville	110.17 335	Pdiff	Pdiff	10 58 42.3 -0.5
SFIN Lafayette	106.23 336	Pdiff	Pdiff	10 58 23.8 -1.4	T49A Edinonton	108.50 333	Pdiff	Pdiff	10 58 35.7 +0.4	NEV Hard Times	110.18 303	eP	PP	11 03 27.6 +9.2
BLA Blacksburg	106.24 330	Pdiff	Pdiff	10 58 24.1 -1.2	U51A La Follette	108.50 332	Pdiff	Pdiff	10 58 37.1 +1.7	V48A Smith Brothers	110.19 333	Pdiff	Pdiff	10 58 41.6 -1.2
R52A Catlettsburg	106.26 332	Pdiff	Pdiff	10 58 24.5 -0.9	R45A Skylar, Fairir	108.50 336	Pdiff	Pdiff	10 58 37.5 +0.4	DWS Wesley	110.21 301	eP	PP	11 03 12.6 -6.2
W61A Ground Anchor	106.28 326	Pdiff	Pdiff	10 58 23.9 -1.5	I03D Drain, OR	108.51 4 4	Pdiff	Pdiff	10 58 36.3 +1.2	DWS Wesley	110.21 301	eP	PP	11 09 18.1 +0.5
L39A Vinton	106.28 340	Pdiff	Pdiff	10 58 24.4 -0.9	V53A Saluda	108.59 330	Pdiff	Pdiff	10 58 36.9 +1.1	WWT Watry	110.24 334	Pdiff	Pdiff	10 58 42.7 -0.3
Q50A Georgetown	106.38 333	Pdiff	Pdiff	10 58 25.0 -0.8	S47A Hartford	108.59 334	Pdiff	Pdiff	10 58 36.2 +0.5	157A Early Branch	110.25 327	Pdiff	Pdiff	10 58 42.8 -0.3
P48A Milroy	106.41 334	Pdiff	Pdiff	10 58 25.3 -0.6	BGNE Belgrade	108.60 344	Pdiff	Pdiff	10 58 36.2 +0.5	SEUS St. Eustatius	110.25 304	eP	PP	11 03 22.9 +3.9
V59A Middlesex	106.41 327	Pdiff	Pdiff	10 58 26.3 +0.3	Y58A Scranton	108.61 327	Pdiff	Pdiff	10 58 36.3 +0.5	SEUS St. Eustatius	110.25 304	eP	PP	11 09 18.1 +0.3
F05D White Salmon	106.42 3	Pdiff	Pdiff	10 58 24.4 -1.5	Q42A Golden Eagle	108.73 338	Pdiff	Pdiff	10 58 37.5 +1.2	BBSP Saint Philip	110.27 298	eP	PP	11 03 17.0 -2.3
N43A Stutzman Farm	106.45 338	Pdiff	Pdiff	10 58 24.8 -1.3	X56A White Oak	108.77 328	Pdiff	Pdiff	10 58 38.3 +1.8	DLPL La Plaine	110.30 301	eP	PP	11 03 25.4 +5.9
T55A Pulaski	106.48 330	Pdiff	Pdiff	10 58 25.5 -0.9	V52A Sevierville	108.78 331	Pdiff	Pdiff	10 58 37.9 +1.4	DLPL La Plaine	110.30 301	eP	PP	11 09 25.2 +7.0
M41A Milan	106.51 339	Pdiff	Pdiff	10 58 25.2 -1.1	W54A Cherokee Point	108.80 330	Pdiff	Pdiff	10 58 36.6 -0.9	MDPO Dominica; Chan	110.31 301	eP	PP	11 03 26.1 +6.8
BOZ Boxeman (W)	106.56 355	Pdiff	Pdiff	10 58 25.5 -1.2	U50A Jamestown	108.81 332	Pdiff	Pdiff	10 58 35.9 -0.8	110H Hill	110.32 298	eP	PP	11 03 21.9 +1.5
O45A Potomac	106.57 336	Pdiff	Pdiff	10 58 24.7 -1.9	R44A Waltonville	108.83 336	Pdiff	Pdiff	10 58 37.3 +0.6	BBGH Gun Hill	110.32 298	eP	PP	11 09 24.1 +5.9
S53A Williamson	106.60 331	Pdiff	Pdiff	10 58 25.1 -1.8	S46A Don Dixon Farm	108.83 335	Pdiff	Pdiff	10 58 37.0 +0.3	Z55A Blythe	110.33 329	Pdiff	Pdiff	10 58 44.0 +0.5
Q49A Aurora	106.60 334	Pdiff	Pdiff	10 58 25.1 -1.7	T48A Bowling Green	108.83 334	Pdiff	Pdiff	10 58 38.4 +1.6	S41A Jillico Farms,	110.33 338	Pdiff	Pdiff	10 58 43.6 +0.1
CNCC Cliffs of the	106.67 327	Pdiff	Pdiff	10 58 27.4 +0.3	PAULI Pauline	108.85 329	ePdiff	Pdiff	10 58 36.8 -0.1	BBL Barber's Block U	110.35 301	eP	PP	11 03 26.7 +6.9
R51A Hillsboro	106.68 332	Pdiff	Pdiff	10 58 26.2 -1.0	Y57A Sumter	108.86 328	Pdiff	Pdiff	10 58 35.7 -1.2	KSU1 Kansas State U	110.39 342	Pdiff	Pdiff	10 58 44.3 +0.7
P47A Martinsville	106.71 335	Pdiff	Pdiff	10 58 25.3 -2.0	SNA4 Sanae	108.92 198	Pdiff	Pdiff	10 58 39.3 +3.1	V47A Nunnally	110.39 334	Pdiff	Pdiff	10 58 44.0 +0.3
W60A Pink Hill	106.73 326	Pdiff	Pdiff	10 58 25.4 -2.1	SNA4 Sanae	108.92 198	Pdiff	Pdiff	10 58 39.3 +3.1	X51A Calhoun	110.40 331	Pdiff	Pdiff	10 58 43.4 -0.4
M40A Post Highland	106.79 340	Pdiff	Pdiff	10 58 23.8 -3.7	SNA4 Sanae	108.92 198	Pdiff	Pdiff	10 58 39.3 +3.1	Y53A Monroe	110.45 330	Pdiff	Pdiff	10 58 44.9 +0.8
SCIA State Center	106.83 341	Pdiff	Pdiff	10 58 25.8 -2.0	SNA4 Sanae	108.92 198	Pdiff	Pdiff	10 58 39.3 +3.1	U04C Macdool	110.50 3 3	Pdiff	Pdiff	10 58 44.2 -0.1
RLMT Red Lodge	106.84 354	Pdiff	Pdiff	10 58 26.4 -1.6	SNA4 Sanae	108.92 198	Pdiff	Pdiff	10 58 39.3 +3.1	156A Sylvania	110.50 328	Pdiff	Pdiff	10 58 45.3 +1.1
HDIL Hopedale	106.84 338	Pdiff	Pdiff	10 58 27.7 -0.1	SNA4 Sanae	108.92 198	ePdiff	Pdiff	10 58 39.3 +3.1	YBH Yreka Blue Hor	110.50 4	Pdiff	Pdiff	10 58 47.0 +2.8
T54A Tazewell	106.88 330	Pdiff	Pdiff	10 58 26.5 -1.6	SNA4 Casper	108.96 351	Pdiff	Pdiff	10 58 37.2 -0.3	YBH Belvidere	110.51 333	Pdiff	Pdiff	10 58 45.3 +1.0
O44A Mansfield	106.92 337	Pdiff	Pdiff	10 58 27.5 -0.7	Z59A Georgetown, SC	108.96 326	Pdiff	Pdiff	10 58 35.6 -1.8	W49A Wadley	110.51 333	Pdiff	Pdiff	10 58 45.3 +1.0
M39A Webster	106.92 340	Pdiff	Pdiff	10 58 26.9 -1.3	J01E Myrtle Point	109.00 5	Pdiff	Pdiff	10 58 36.9 -0.4	FDL Fort de France	110.59 300	eP	PP	11 03 18.8 -2.9
Q46A Rosedale	106.94 336	Pdiff	Pdiff	10 58 27.6 -0.1	TKL Tuckaleechee C	109.01 331	Pdiff	Pdiff	10 58 40.3 +2.7	FDL Fort de France	110.59 300	eP	PP	11 09 16.1 -3.2
P48A North Vernon	106.99 334	Pdiff	Pdiff	10 58 28.6 +0.1	TKL Tuckaleechee C	109.01 331	Pdiff	Pdiff	10 58 40.3 +2.7	N23A Red Feather La	110.60 350	Pdiff	Pdiff	10 58 45.1 +0.2
W59A Clinton	106.99 327	Pdiff	Pdiff	10 58 27.1 -1.5	TKL Tuckaleechee C	109.01 331	Pdiff	Pdiff	10 58 40.3 +2.7	U44A Portageville	110.60 336	Pdiff	Pdiff	10 58 45.5 +0.9
R50A Paris	107.00 333	Pdiff	Pdiff	10 58 28.6 0.0	TKL Tuckaleechee C	109.01 331	Pdiff	Pdiff	10 58 40.3 +2.7	VNA3 Neumayer Olym	110.62 199	PKKP	PKKP	11 13 44.3 -0.8
S52A Salyersville	107.00 332	Pdiff	Pdiff	10 58 28.9 +0.3	TKL Tuckaleechee C	109.01 331	Pdiff	Pdiff	10 58 40.3 +2.7	VNA3 Neumayer Olym	110.62 199	PKKP	PKKP	11 02 44.7 +1.1
G03D McMinnville, O	107.00 4 4	Pdiff	Pdiff	10 58 27.6 -0.8	J05D Fort Rock, OR	109.03 3 3	Pdiff	Pdiff	10 58 36.6 -1.1	VNA3 Neumayer Olym	110.62 199	PKKP	PKKP	11 03 21.9 +1.5
V57A Coltrane Farms	107.04 4 4	Pdiff	Pdiff	10 58 28.4 -0.4	J04D Umpqua Nationa	109.03 3 3	Pdiff	Pdiff	10 58 36.3 -1.5	Z54A Sparta	110.64 329	Pdiff	Pdiff	10 58 45.6 +0.7
G05D Wamic, OR	107.07 3	Pdiff	Pdiff	10 58 24.6 -4.2	X55A Gracelyn & Ava	109.06 329	Pdiff	Pdiff	10 58 36.1 -1.7	V46A Holiday	110.64 334	Pdiff	Pdiff	10 58 45.2 +0.4
O43A Sugar Creek Fa	107.09 338	Pdiff	Pdiff	10 58 27.5 -1.4	U49A Red Boiling Sp	109.11 333	Pdiff	Pdiff	10 58 36.1 -1.9	BZ2A Pulaski	110.66 330	Pdiff	Pdiff	10 58 44.9 0.0
U55A TAZ, Sparta	107.11 330	Pdiff	Pdiff	10 58 28.8 -0.4	V51A Loudon	109.13 332	Pdiff	Pdiff	10 58 37.9 -0.2	W58A Pulaski	110.76 333	Pdiff	Pdiff	10 58 46.5 +1.1
RSSD Black Hills	107.15 350	ePdiff	Pdiff	10 58 29.2 -0.2	Z58A St. Stephen	109.14 327	Pdiff	Pdiff	10 58 38.0 -0.2	GOGA Godfrey	110.78 330	Pdiff	Pdiff	10 58 47.2 +1.7
RSSD Black Hills	107.15 350	eP	Pdiff	10 58 29.2 -0.2	MDP Montognes des	109.15 287	S	SKSAC	11 09 16.4 +3.1	X50B Fort Payne	110.83 332	Pdiff	Pdiff	10 58 46.6 +0.9
RSSD Black Hills	107.15 350	Pdiff	Pdiff	10 58 26.6 -2.8	S45A Carrier Mills	109.16 336	Pdiff	Pdiff	10 58 37.6 -0.6	M02C Callahan	110.83 4	Pdiff	Pdiff	10 58 45.9 +0.2
N41A Hardin Midland	107.21 339	Pdiff	Pdiff	10 58 27.7 -1.7	W53A Cullowhee	109.16 330	Pdiff	Pdiff	10 58 37.3 -1.3	257A Skidaway Islan	110.84 327	Pdiff	Pdiff	10 58 46.7 -0.9
P45A Graceland, Par	107.22 336	Pdiff	Pdiff	10 58 28.1 -1.4	PD31 Pinedale Array	109.20 354	ePdiff	Pdiff	10 58 38.2 -0.4	SLBI Saint Lucia, B	110.89 300	eP	PP	11 03 21.8 -2.0
X60A Albert Glenn T	107.24 326	Pdiff	Pdiff	10 58 28.9 -0.8	PDAR Pinedale Array	109.20 354	Pdiff	Pdiff	10 58 40.9 +2.2	SLBI Saint Lucia, B	110.89 300	eP	PP	11 09 18.1 -2.5
S51A Beattyville	107.25 332	Pdiff	Pdiff	10 58 28.9 -0.8	PDAR Pinedale Array	109.20 354	Pdiff	Pdiff						

16d 10h

2013 APR

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes entries like 152A Waverly Hall, 250A Ashland, 003E Paynes Creek, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes entries like 058A Arcadia, TIN Tinemaha, GRAC Grapevine Rang, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes entries like baz=13 Barrett, BUC Tucson, TUC Tucson, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like ACON, TRT1, MARP, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like TBI, TAOE, RKT, etc.

BUI 16 11:26:06.4, 6.10Sx104.70E, h56km, mb5.2/42, mb5.1/4, Ms4.9/3, Ms7.4/9.4
IDC 16 11:26:06.0, 1.6, 6.02Sx104.85E, h44km, 13km, mb4.8/32, mb1.4, 9.3/32, mb1mx4.7/49, mb1tmp5.0/32, Error ellipse: s-maj=14.9km s-min=9.7km az=49.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other details. Includes stations like KASI, KASI, BLSI, etc.

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





YLV	Yalova	82.98 312	JP	P	11 38 26.6 +0.9
MANT	Manisa	83.09 310	eP	P	11 38 27.6 +1.1
KLMR	Klimovskoe	83.65 333	eP	P	11 38 26.6 -1.9
KLMR	Klimovskoe	83.65 333	eP	P	11 38 26.6 -1.9
CFR	Caracul	84.98 316	JP	P	11 38 36.7 +1.1
BILL	Bilbino	85.50 19	eP	P	11 38 37.2 -0.5
BILL	Bilbino	85.50 19	JP	P	11 38 37.3 -0.5
TMCR	Tamitsa	85.64 336	eP	P	11 38 38.6 +0.1
AKASG	Malin Array Be	85.66 322	P	P	11 38 38.9 0.0
AKKB	Malin Array Si	85.66 322	eP	P	11 38 39.2 +0.3
AKKB	Malin Array Si	85.66 322	eP	P	11 38 39.2 +0.3
KIEV	Kiev	85.67 322	JP	P	11 38 39.1 +0.2
KIEV	Kiev	85.67 322	JP	P	11 38 39.1 +0.2
KIEV	Kiev	85.67 322	JP	P	11 38 39.1 +0.2
AK11	Malin Array Si	85.69 322	eP	P	11 38 39.0 0.0
VRI	Vrincioala	86.11 317	JP	P	11 38 43.5 +2.2
PLOR	Plostina	86.16 317	JP	P	11 38 43.6 +2.1
PLOR	Plostina	86.16 317	JP	P	11 38 43.5 +2.1
TESR	Tescani	86.30 317	JP	P	11 38 43.5 +1.3
MLR	Muntele Rosu	86.56 316	eP	P	11 38 45.1 +1.4
MLR	Muntele Rosu	86.56 316	JP	P	11 38 45.0 +1.4
MLR	Muntele Rosu	86.56 316	eP	P	11 38 45.1 +1.4
BIZ	Bicaz	86.76 318	JP	P	11 38 46.5 +2.0
DOPR	Docpa	87.04 317	JP	P	11 38 47.4 +1.5
ARR	Arges	87.44 316	JP	P	11 38 48.6 +0.8
BURAR	Bucovina Array	87.50 318	JP	P	11 38 50.3 +2.2
BURAR	Bucovina Array	87.50 318	JP	P	11 38 50.3 +2.2
BUR08	Bucovina Ar. S	87.51 318	JP	P	11 38 50.1 +1.9
VTS	Vitosh	87.91 313	JP	P	11 38 51.1 +0.8
VTS	Vitosh	87.91 313	JP	P	11 38 51.1 +0.8
LIT	Litohoron	88.03 310	eP	P	11 38 51.3 +0.6
LIT	Litohoron	88.03 310	eP	P	11 38 51.3 +0.6
NACGM	Naroch	88.14 326	eP	P	11 38 49.0 -1.8
LVZ	Lozerovo	88.34 339	eP	P	11 38 51.0 +0.2
GZR	Gura Zlata	88.73 316	JP	P	11 38 54.6 +0.6
GZR	Gura Zlata	88.73 316	JP	P	11 38 54.6 +0.6
HERR	Herculan	88.99 329	JP	P	11 38 55.5 +0.7
VSU	Vasula	88.99 329	JP	P	11 38 55.5 +0.7
MDVR	Moldovita	89.37 315	JP	P	11 38 58.3 +1.3
BZS	Buzias	89.57 316	JP	P	11 38 57.7 +0.9
BZS	Buzias	89.57 316	JP	P	11 38 57.7 +0.9
SNA	Sanae	89.59 198	P	P	11 38 60.0 +2.4
UZH	Uzhgorod	89.61 319	eP	P	11 38 51.2 -0.7
SIRR	Siria	89.64 316	JP	P	11 38 59.5 +1.3
FIAD	FINESS Array S	90.00 332	eP	P	11 39 00.2 +0.8
FIAD	FINESS Array S	90.00 332	eP	P	11 39 00.2 +0.8
FIAD	FINESS Array S	90.00 332	eP	P	11 39 00.2 +0.8
PDG	Podgorica	90.79 312	JP	P	11 39 04.3 +0.8
PDG	Podgorica	90.79 312	JP	P	11 39 03.7 +0.2
TTG	Podgorica	90.79 312	eP	P	11 39 03.7 +0.2
TTG	Podgorica	90.79 312	eP	P	11 39 03.7 +0.2
ARAO	ARCESS Array S	92.01 340	eP	P	11 39 08.9 +0.3
ARCES	ARCESS Array S	92.01 340	eP	P	11 39 08.9 +0.3
OKC	Ostrava-Krasne	92.47 320	eP	P	11 39 12.6 +1.4
OKC	Ostrava-Krasne	92.47 320	eP	P	11 39 12.6 +1.4
GAMB	Gambell	92.69 26	eP	P	11 39 12.7 +0.8
MODS	Modra-Piesok	92.88 318	eP	P	11 39 14.4 +1.3
MODS	Modra-Piesok	92.88 318	eP	P	11 39 14.4 +1.3
DPC	Dobruska-Polom	93.69 320	eP	P	11 39 18.3 +1.4
DPC	Dobruska-Polom	93.69 320	eP	P	11 39 18.3 +1.4
GEC2	GERRS Array S	95.28 318	eP	P	11 39 24.0 -0.3
GEC2	GERRS Array S	95.28 318	eP	P	11 39 24.0 -0.3
GERES	GERRS Array S	95.28 318	eP	P	11 39 25.1 +0.8
ANM	Nome	95.53 26	eP	P	11 39 25.3 +0.4
ANM	Nome	95.53 26	eP	P	11 39 25.3 +0.4
IM3	Indian Mountain	100.34 24	eP	P	11 39 45.7 -0.8
TOLK	Tookil Lake	101.46 21	eP	P	11 39 51.6 +0.1
POKR	Poker Plat Res	103.09 24	P	P	11 39 56.9 -1.9
ILAR	Eileison Array	103.40 25	PKP	P	11 55 55.6 -1.0
YKA	Yellowknife Ar	116.89 19	PKP	P	11 44 44.4 +0.2
YKA	Yellowknife Ar	116.89 19	PKP	P	11 44 44.4 +0.2
YKA	Yellowknife Ar	116.89 19	PKP	P	11 44 44.4 +0.2
YKBS	Yellowknife Ar	116.89 19	PKP	P	11 44 44.8 +0.6
BO5A	Bryant	122.33 35	P	P	11 44 55.9 +0.4
E04D	Cinebar	122.91 37	P	P	11 44 56.7 +0.3
I03D	Drain, OR	123.78 40	P	P	11 44 59.2 +0.9
H04D	Lebanon	123.79 39	P	P	11 44 59.7 +0.7
K02D	Willamette Mer	124.03 42	P	P	11 44 59.7 +0.7
G05D	Wamic, OR	124.32 38	P	P	11 45 00.3 +1.0
I04A	Tendick Farm,	124.34 40	P	P	11 45 00.0 +0.6
I05D	Terrebonne, OR	124.75 39	P	P	11 45 00.7 +0.4
J04D	Umpqua Nationa	125.14 40	P	P	11 45 01.4 +0.9
NEW	Newport	125.10 33	P	P	11 45 01.9 +1.0
L04D	Klamath Falls	125.14 42	P	P	11 45 01.8 +0.5
M02C	Callahan	125.14 43	P	P	11 45 02.0 +0.8
K05D	Chiloquin, OR	125.31 41	P	P	11 45 02.1 +0.6
J04D	Fort Rock, OR	125.33 40	P	P	11 45 02.6 +1.0
N02D	Trinity Center	125.43 43	P	P	11 45 02.6 +0.8
M04C	Macdoel	125.65 42	P	P	11 45 02.8 +0.6
O02D	Mt. Diablo Mer	125.72 44	P	P	11 45 03.2 +0.9
F03A	Paynes Creek	126.35 44	P	P	11 45 03.4 +0.2
O10A	Beach Ranch, E	126.36 35	PKP	P	11 45 04.7 +1.2
J08A	Circle Bar Ran	127.04 39	PKP	P	11 45 06.7 +1.7
M50	Missoula	127.69 33	PKP	P	11 45 06.3 +0.2
M50	Missoula	127.69 33	PKP	P	11 45 06.2 +0.1
PNTR	Pine Nut	128.41 44	PKP	P	11 45 09.4 +1.5
EGMT	Eagleton	129.05 29	P	P	11 45 09.2 +0.4
HLID	Hailey	129.39 36	P	P	11 45 10.3 +0.6

baz=306	KVN Kaiserville	129.45 43	ePKP	P	11 45 09.5 +0.2
KVN	Kaiserville	129.45 43	ePKP	P	11 45 09.5 +0.2
NV01	Mina Array Sit	129.61 44	ePKP	P	11 45 11.0 +0.6
NVAR	Mina Array Bea	129.61 44	PKP	P	11 45 11.8 +1.4
BOZ	Bozeman (W)	129.71 33	P	P	11 45 10.3 0.0
YES	Vestal, Richgr	130.23 47	P	P	11 45 11.5 +0.1
DGMT	Dagmar	131.26 25	P	P	11 45 12.8 +0.6
MPMC	Manual Prospec	131.29 46	P	P	11 45 14.1 +0.3
LRMC	Laurel Mtn Rad	131.41 47	P	P	11 45 13.0 -0.1
R11A	Troy Canyon, C	131.51 43	P	P	11 45 15.4 +1.2
LAO	Las A Array	131.69 28	P	P	11 45 14.1 -0.1
FMP	Fort Macarthur	131.72 50	P	P	11 45 13.7 +0.2
BW06	Boulder Array	132.67 34	P	P	11 45 16.3 -0.2
PD31	Pinedale Array	132.67 34	ePKP	P	11 45 15.8 +0.5
PDAR	Pinedale Array	132.67 34	PKP	P	11 45 16.7 +0.2
PDAR	Pinedale Array	132.67 34	PKP	P	11 45 16.7 +0.2
ULM	Lac du Bonnet	132.84 18	PKP	P	11 45 15.8 +0.7
ULM	Lac du Bonnet	132.84 18	PKP	P	11 45 15.8 +0.7
ULM	Lac du Bonnet	132.84 18	PKP	P	11 45 15.8 +0.7
GLM	Granite Mounta	133.20 47	P	P	11 45 18.0 +0.4
BELC	Belle Mtn. Jos	133.32 48	P	P	11 45 18.1 +0.2
K22A	Casper	134.41 32	P	P	11 45 19.8 -0.1
PDMC1	Parker Dam,Lak	134.53 47	P	P	11 45 20.3 +0.1
AGM1	Agassiz Nation	134.55 19	P	P	11 45 19.8 0.0
RSSD	Black Hills	134.62 29	ePKP	P	11 45 19.2 +0.3
RSSD	Black Hills	134.62 29	ePKP	P	11 45 19.2 +0.3
O20A	White River Ci	135.13 36	P	P	11 45 21.4 -0.1
WUAZ	Wupatki	135.87 44	P	P	11 45 22.8 -0.2
Q4A	Quipada	137.69 35	P	P	11 45 25.5 +0.6
D41A	Chassel	137.73 13	P	P	11 45 25.0 +0.7
F37A	Hilrichs Farm,	137.86 18	P	P	11 45 26.1 -0.5
E39A	Mellen	137.87 16	P	P	11 45 26.0 -0.6
TUC	Tucson	137.96 47	P	P	11 45 26.7 -0.6
OGNE	Ogallala	137.97 31	P	P	11 45 26.6 -0.5
E40A	Wakefield	137.98 15	P	P	11 45 26.0 +1.2
F39A	Loretta	138.19 16	P	P	11 45 27.1 -0.2
E40D	EROS Data Cent	138.19 23	P	P	11 45 26.9 -0.9
FCSD	Park Falls	138.21 16	P	P	11 45 27.4 -0.3
E42A	Champion	138.47 13	P	P	11 45 27.6 -0.3
G38A	Ridgeland	138.60 18	P	P	11 45 27.0 +1.0
G39A	Holcombe	138.69 17	P	P	11 45 28.1 -0.2
D47A	Chapleau	138.71 11	P	P	11 45 27.8 -0.5
E44A	Black Hills	138.75 8	P	P	11 45 28.0 -0.4
F41A	Three Lakes	138.84 15	P	P	11 45 28.0 -0.6
D52A	ZEK Kipawa Sen	139.29 33	P	P	11 45 28.5 +1.3
T25A	Trinidad	139.35 37	P	P	11 45 29.5 -0.7
TASM	ASL Pad, Albuq	139.48 41	P	P	11 45 29.8 +1.1
TASM	ASL Pad, Albuq	139.48 41	P	P	11 45 29.5 +1.3
ANMO	Albuquerque	139.48 41	P	P	11 45 29.2 +1.0
H40A	Chil	139.53 17	P	P	11 45 28.9 +1.2
K39A	Oelweiss	140.80 19	P	P	11 45 32.1 -0.6
MOQ	Winton	140.96 357	ePKP	P	11 45 28.4 -1.9
L39A	Winton	141.28 20	P	P	11 45 33.1 -0.6
PLVO	Plevna	141.29 2	P	P	11 45 33.3 -0.3
BMRO	Kenland	141.42 7	P	P	11 45 33.2 -0.7
H48A	Sherman Twp	141.46 10	P	P	11 45 33.3 -0.7
CFA	Coronel Fontan	141.80 190	PKP	P	11 45 33.9 +1.6
L41A	Preston	141.82 18	P	P	11 45 34.4 -0.4
MNTX	Cornudas Mount	142.14 44	ePKP	P	11 45 30.8 -2.1
MSTX	Muleshoe	142.45 39	P	P	11 45 35.6 -0.9
K47A	Vermontville	142.69 12	P	P	11 45 36.8 +0.3
O41A	Passleys Farm,	143.45 20	P	P	11 45 32.7 +0.5
L49A	Milan	143.47 11	P	P	11 45 32.7 +0.6
L48A	N Adams	143.50 11	P	P	11 45 32.5 +0.3
K55A	Perry	143.55 3	P	P	11 45 32.4 0.0
L50A	Kingsville	143.70 9	P	P	11 45 33.7 +0.9
N44A	Pipe City	143.70 17	P	P	11 45 33.6 +0.7
HRV	Adam Dzewonski	143.70 355	P	P	11 45 33.1 +0.3
N45A	Keeland	143.82 16	P	P	11 45 33.9 +0.7
L54A	Sinclairville	143.95 5	P	P	11 45 33.4 -0.2
N46A	Monticello	143.98 15	P	P	11 45 34.1 +0.4
QUA2	Belchertown	143.99 356	ePKP	P	11 45 34.2 +0.5
ERPA	Erlic	144.00 6	P	P	11 45 34.1 +0.4
PLIO	Pelee Island,	144.01 9	P	P	11 45 33.9 +0.1
M49A	Liberty Center	144.04 11	P	P	11 45 34.0 +0.2
L55A	Hinsdale	144.07 4	P	P	11 45 33.9 -0.1
L53A	Girard	144.13 6	P	P	11 45 34.4 +0.3
BINY	Binghamton	144.16 1	ePKP	P	11 45 34.6 +0.4
BINY	Binghamton	144.16 1	P	P	11 45 34.5 +0.2
O44A	Mansfield	144.19 17	P	P	11 45 34.5 +0.2
N47A	Urbana	144.25 14	P	P	11 45 34.5 0.0
M50A	Fremont	144.28 10	ePKP	P	11 45 35.0 +0.4
M50A	Fremont	144.28 10	P	P	11 45 34.6 0.0
BRYW	Bryant College	144.28 355	ePKP	P	11 45 35.0 +0.4
WMOK	Wichita Mounta	144.29 34	ePKP	P	11 45 34.3 -0.2
WMOK	Wichita Mounta	144.29 34	ePKP	P	11 45 34.3 -0.2
WMOK	Wichita Mounta	144.29 34	ePKP	P	11 45 35.2 +0.3
O45A	Potomac	144.32 16	P	P	11 45 35.1 +0.3
P43A	Skaggs, Pawnee	144.34 19	P	P	11 45 34.9 +0.1
SFIN	Lafayette	144.37 16	ePKP	P	11 45 35.6 +0.7

SFIN	Lafayette	144.37 16	P	P	11 45 35.2 +0.3
M52A	Chesterland	144.41 8	P	P	11 45 35.2 +0.2
N48A					

16d 11h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Q51A Peebles, R48A Northridge Ran, etc.

2013 APR

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like NATX W46A Michie, T55A Pulaski, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like Z50A Ashland, X56A White Oak, etc.

DC 16 11:48:18.4, 1.5, 28.37N:51.75E, h0km, mb3.9/7, mb1 3.9/8, mb1mx3.6/50, mbtmp3.8/8, Error ellipse: s-maj=37.1km s-min=25.2km az=159.0

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like GHIR Ghir-Karzin, IKAZ Kazeroun, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ID, Time, Res, ISC. Includes stations like NAZ, ASUD, MSFE, Esma-Masafi, etc.

ISCJB 16 11:52:00.9-0.7, 8.51S:0.07:119.74E:0.06, h177km,6km, mb3.7/2, Error ellipse: s-maj=11.9km s-min=6.3km az=24.2

IDC 16 11:52:01.6-4.2, 8.22S:119.86E: h183km,40km, mb3.3/3, mb1 3.2/6, mb1mx3.0/58, mbtmp3.6/6, Error ellipse: s-maj=76.4km s-min=21.4km az=61.0

DJA 16 11:52:03.7-0.9, 8.56S:121.0E: h143km,12km, M3.3/6, Mlv3.3/6

ISC 16 11:52:01.3-1.0, 8.52S:0.07:119.72E:0.05, h168km,9km, n13, r173/20, Flores region

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

JSO 16 11:59:58.0-1.1, 30°N:8°36'E: h101km, M3.4/9, Mjms3.6/9, M3.1/6, M3.1/6, M3.1/6, Western Arabian Peninsula

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

GUC 16 12:09:48.1-0.5, 36°40S:71°21W, h148km, 7km, M3.9/3C, Central Chile

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

BUI 16 12:26:55.9, 42°58N:47°40E, h6km, mb4.9/52, mB5.1/5, M5.4/2, M5.7/1

MOS 16 12:26:57.5-1.4, 42°47N:47°85E, h10km, mB5.0/67, M5.4/5/4, Error ellipse: s-maj=3.9km s-min=2.8km az=36.8

MOS Felt (V) at Baltamaha, Burdeki, Kanasiragi, Kichi-Gamri, Maaaul, Murguk; (V-V) at Alhadzhakent, Gasha, Myurego, Verhnee Mahargimahi, Nizhnee Mahargimahi, Urahi, Utamysh; (V) at Kayakent, Sergokala; (IV) at Kumukh; (III) at Makhachkala.

AZER 16 12:26:57.4-0.1, 42°24N:47°74E, h3km, 3km, M4.8/29, Error ellipse: s-maj=3.8km s-min=3.6km az=12.0

ISCJB 16 12:26:57.9-0.3, 42°49N:01°47'83E:0.01, h10km, 1km, mb4.7/235, M5.4/5/1, Error ellipse: s-maj=1.9km s-min=1.4km az=34.5

DRS 16 12:26:57.9-0.0, 42°36N:47°70E, h12km, M4.8/4

NEIC 16 12:26:59.2-2.1, 42°42N:47°73E, h10km, mb4.8/190, Error ellipse: s-maj=12.5km s-min=11.5km az=164.0

IDC 16 12:27:01.3-3.0, 42°35N:47°65E, h24km, 21km, mb4.4/33, mb1 4.5/43, mb1mx4.5/62, mbtmp4.6/43, M4.5/7, Error ellipse: s-maj=10.1km s-min=6.9km az=154.0

NNC 16 12:27:09.3-8.1, 42°86N:48°52E, h30km, 75km, mb4.7, Error ellipse: s-maj=39.1km s-min=25.2km az=102.0

DDA 16 12:27:28.7, 41°39N:45°21E, h10km, 6km, M3.1/3

ISC 16 12:26:59.4-0.5, 42°37N:02°47'83E:0.02, h14km, 3km, n727, r184/837, mb4.8/234, 61C-58D, Eastern Caucasus

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

ISCJB 16 11:52:00.9-0.7, 8.51S:0.07:119.74E:0.06, h177km,6km, mb3.7/2, Error ellipse: s-maj=11.9km s-min=6.3km az=24.2

IDC 16 11:52:01.6-4.2, 8.22S:119.86E: h183km,40km, mb3.3/3, mb1 3.2/6, mb1mx3.0/58, mbtmp3.6/6, Error ellipse: s-maj=76.4km s-min=21.4km az=61.0

DJA 16 11:52:03.7-0.9, 8.56S:121.0E: h143km,12km, M3.3/6, Mlv3.3/6

ISC 16 11:52:01.3-1.0, 8.52S:0.07:119.72E:0.05, h168km,9km, n13, r173/20, Flores region

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

JSO 16 11:59:58.0-1.1, 30°N:8°36'E: h101km, M3.4/9, Mjms3.6/9, M3.1/6, M3.1/6, M3.1/6, Western Arabian Peninsula

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

GUC 16 12:09:48.1-0.5, 36°40S:71°21W, h148km, 7km, M3.9/3C, Central Chile

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

BUI 16 12:26:55.9, 42°58N:47°40E, h6km, mb4.9/52, mB5.1/5, M5.4/2, M5.7/1

MOS 16 12:26:57.5-1.4, 42°47N:47°85E, h10km, mB5.0/67, M5.4/5/4, Error ellipse: s-maj=3.9km s-min=2.8km az=36.8

MOS Felt (V) at Baltamaha, Burdeki, Kanasiragi, Kichi-Gamri, Maaaul, Murguk; (V-V) at Alhadzhakent, Gasha, Myurego, Verhnee Mahargimahi, Nizhnee Mahargimahi, Urahi, Utamysh; (V) at Kayakent, Sergokala; (IV) at Kumukh; (III) at Makhachkala.

AZER 16 12:26:57.4-0.1, 42°24N:47°74E, h3km, 3km, M4.8/29, Error ellipse: s-maj=3.8km s-min=3.6km az=12.0

ISCJB 16 12:26:57.9-0.3, 42°49N:01°47'83E:0.01, h10km, 1km, mb4.7/235, M5.4/5/1, Error ellipse: s-maj=1.9km s-min=1.4km az=34.5

DRS 16 12:26:57.9-0.0, 42°36N:47°70E, h12km, M4.8/4

NEIC 16 12:26:59.2-2.1, 42°42N:47°73E, h10km, mb4.8/190, Error ellipse: s-maj=12.5km s-min=11.5km az=164.0

IDC 16 12:27:01.3-3.0, 42°35N:47°65E, h24km, 21km, mb4.4/33, mb1 4.5/43, mb1mx4.5/62, mbtmp4.6/43, M4.5/7, Error ellipse: s-maj=10.1km s-min=6.9km az=154.0

TBLG Delisi 2.31 255 i P Pb 12 27 39.4 -1.5

TBLG Delisi 2.31 255 e Pn Pb 12 27 39.4 -1.5

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TBLG Delisi 2.31 255 e Pn Pb 12 27 39.4 -1.5

TBLG Delisi 2.31 255 e Pn Pb 12 27 39.4 -1.5

16d 12h

Table of satellite data for 16d 12h, including columns for station name, frequency, polarization, and coordinates.

2013 APR

Table of satellite data for 2013 APR, including columns for station name, frequency, polarization, and coordinates.

924

Table of satellite data for 924, including columns for station name, frequency, polarization, and coordinates.

FIA1	FINESSE Array S	23.10 333	eP	P	12 32 04.4	-0.1
FINES	FINESSE Array B	23.10 333	P	P	12 32 04.4	-0.1
PDGK	Podgornoye	23.25 77	iP	P	12 32 06.6	+0.3
PDGK	Podgornoye	23.25 77	P	P	12 32 08.1	+1.7
ARSA	Arzberg	23.25 293	eP	P	12 32 06.2	-0.1
BOJS	Bojanci	23.50 289	iP	P	12 32 08.6	-0.1
PERS	Pernice	23.54 292	iP	P	12 32 09.8	-0.2
TIP	Timpagrande	23.59 273	eP	P	12 32 07.8	-2.0
TIP	Timpagrande	23.59 273	iP	P	12 32 11.6	+1.8
SOKA	Sothoth	23.60 292	eP	P	12 32 09.2	-0.6
GOPC	GO Pecny, Ondr	23.88 300	eP	P	12 32 13.5	+1.1
GOPC	GO Pecny, Ondr	23.88 300	eP	P	12 32 13.5	+1.1
GOBK	Obir	23.94 291	eP	P	12 32 12.9	-0.2
LJU	Ljubljana	23.97 300	iP	P	12 32 13.2	-0.1
PRU	Pruhonice	24.05 300	eP	P	12 32 15.5	+1.6
PRU	Pruhonice	24.05 300	eP	P	12 32 18.4	-0.1
PRU	Pruhonice	24.05 300	eP	P	12 32 18.4	-0.1
PVCC	Panska Ves	24.09 301	eP	P	12 32 15.8	+1.5
PVCC	Panska Ves	24.09 301	eP	P	12 32 15.8	+1.5
MOA	Molin	24.11 295	eP	P	12 32 14.3	-0.3
GEA	GERESS Array S	24.51 297	eP	P	12 32 17.0	-1.3
GECC	GERESS Array S	24.52 297	eP	P	12 32 18.1	-0.2
GERES	GERESS Array B	24.52 297	eP	P	12 32 17.4	-1.0
TRI	Trieste	24.53 289	eP	P	12 32 18.0	-0.4
TRI	Trieste	24.53 289	eP	P	12 32 18.0	-0.4
BRG	Berggiesshubel	24.53 302	iP	P	12 32 17.9	-0.4
BRG	Berggiesshubel	24.53 302	iP	P	12 32 17.9	-0.4
BRG	Berggiesshubel	24.53 302	iP	P	12 32 17.9	-0.4
CEL	Celeste	24.53 271	eP	P	12 32 18.4	-0.1
MYKA	Terra Mystica	24.56 292	eP	P	12 32 16.8	-2.0
KHC	Kasperske Hory	24.61 298	eP	P	12 32 18.5	-0.7
KHC	Kasperske Hory	24.61 298	eP	P	12 32 18.5	-0.7
KHC	Kasperske Hory	24.61 298	eP	P	12 32 18.5	-0.7
KHC	Kasperske Hory	24.61 298	eP	P	12 32 18.5	-0.7
MAKZ	Makanchi	24.68 68	eP	P	12 32 21.9	-1.8
MAKZ	Makanchi	24.68 68	eP	P	12 32 20.7	+0.9
MAKZ	Makanchi	24.68 68	eP	P	12 32 19.9	+0.1
MAKZ	Makanchi	24.68 68	eP	P	12 32 19.9	+0.1
KBA	Koelbreinsper	24.74 293	eP	P	12 32 19.8	-0.8
BSD	Bornholm Skovb	24.85 312	iP	P	12 32 19.1	-2.0
BSD	Bornholm Skovb	24.85 312	iP	P	12 32 19.1	-2.0
BSD	Bornholm Skovb	24.85 312	iP	P	12 32 19.1	-2.0
BSD	Bornholm Skovb	24.85 312	iP	P	12 32 19.1	-2.0
MK31	Makanchi Array	24.89 68	eP	P	12 32 22.8	+1.1
MK31	Makanchi Array	24.89 68	eP	P	12 32 22.8	+1.1
MK31	Makanchi Array	24.89 68	eP	P	12 32 22.7	+1.0
MK31	Makanchi Array	24.89 68	eP	P	12 32 22.7	+1.0
MK32	Makanchi Array	24.89 68	eP	P	12 32 22.4	+0.6
MKAR	Makanchi Array	24.89 68	eP	P	12 32 22.4	+0.6
MK01	Makanchi Array	24.90 68	eP	P	12 32 21.9	+0.2
CLL	Collm	25.17 303	eP	P	12 32 23.9	-0.2
CLL	Collm	25.17 303	eP	P	12 32 23.9	-0.2
CLL	Collm	25.17 303	eP	P	12 32 28.8	+0.2
CLL	Collm	25.17 303	eP	P	12 32 41.0	-1.1
CLL	Collm	25.17 303	eP	P	12 32 56.9	-1.1
CLL	Collm	25.17 303	eP	P	12 33 06.0	-0.2
CLL	Collm	25.17 303	eP	P	12 32 23.9	-0.2
CLL	Collm	25.17 303	eP	P	12 32 28.8	+0.2
AQU	L'Aquila	25.26 282	eP	P	12 32 25.1	0.0
AQU	L'Aquila	25.26 282	eP	P	12 32 25.1	0.0
ABTA	Abfallersbach	25.33 292	eP	P	12 32 24.8	-0.9
VIF	Vilafra	25.36 333	P	P	12 32 26.3	+0.6
NKC	Novy Kostel	25.41 300	eP	P	12 32 29.5	+3.1
NKC	Novy Kostel	25.41 300	eP	P	12 32 29.5	+3.1
RGN	Rugen	25.58 310	eP	P	12 32 27.0	-0.8
MSF	Maaseika	25.79 342	P	P	12 32 30.0	+0.4
MSF	Maaseika	25.79 342	P	P	12 32 30.0	+0.4
WATA	Wattenberg	25.90 293	eP	P	12 32 29.8	-1.2
VAE	Valguarnera	25.90 270	P	P	12 32 32.8	+1.8
WATA	Walderalm	25.94 293	P	P	12 32 30.7	-0.7
MOX	Moxa	25.98 301	P	P	12 32 30.1	+1.5
SQTA	Sanct Quirin	26.20 293	eP	P	12 32 31.5	-2.1
MOTA	Moosalm	26.26 294	eP	P	12 32 33.0	-1.2
NVS	Novosibirsk	26.28 49	eP	P	12 32 35.6	+1.4
NVS	Novosibirsk	26.28 49	eP	P	12 32 35.6	+1.4
NVS	Novosibirsk	26.28 49	eP	P	12 32 35.6	+1.4
NVS	Novosibirsk	26.28 49	eP	P	12 32 35.6	+1.4
RETA	Reutte	26.48 294	eP	P	12 32 34.6	-1.5
LVZ	Lovozero	26.53 349	eP	P	12 32 36.5	+0.2
LVZ	Lovozero	26.53 349	eP	P	12 32 37.4	+1.1
FETA	Feichten	26.53 293	eP	P	12 32 35.3	-1.4
CLTB	Cattabellotta	26.75 271	eP	P	12 32 38.3	-0.4
FUORN	Ofenpass-Fuorn	26.88 292	eP	P	12 32 37.1	-2.9
ZAAO	Zalesovo Array	27.01 52	eP	P	12 32 40.0	-0.8
ZAAO	Zalesovo Array	27.01 52	eP	P	12 32 40.9	+0.2
ZALV	Zalesovo Beam	27.01 52	eP	P	12 32 41.4	+0.7
ZALV	Zalesovo Beam	27.01 52	eP	P	12 32 39.5	-1.2
ZAA1	Zalesovo Array	27.01 52	eP	P	12 32 41.4	+0.6
DVA	Damuels	27.09 294	eP	P	12 32 39.9	-1.9
DVA	Villacolemand	27.09 287	eP	P	12 32 41.3	-0.4
HFS	Hagfors	27.29 322	P	P	12 32 42.5	-0.7
TUE	Stuetta	27.52 292	eP	P	12 32 45.2	-0.5
DGZ	Jazzator, Alta	28.26 61	c/P	P	12 32 54.0	+1.8
DGZ	Jazzator, Alta	28.26 61	c/P	P	12 32 54.0	+1.8

NC602	NORSAR Array S	28.51 323	eP	P	12 32 53.3	-0.7
NC602	NORSAR Array S	28.51 323	eP	P	12 32 53.4	-0.7
NC405	NORSAR Array S	28.59 323	eP	P	12 32 54.2	-0.6
NB201	NORSAR Array S	28.75 323	eP	P	12 32 55.2	-1.0
NB2	NORSAR Subarra	28.78 323	P	P	12 32 55.3	-1.2
NB2	NORSAR Subarra	28.78 323	P	P	12 32 55.3	-1.2
NOA	NORSAR Array B	28.78 323	P	P	12 32 55.3	-1.2
NC303	NORSAR Array S	28.75 323	eP	P	12 32 56.1	-0.4
NAO01	NORSAR Array S	28.89 323	eP	P	12 32 55.6	-1.5
SENIN	Lac Senin/Sane	28.94 292	eP	P	12 32 56.9	-1.4
NB000	NORSAR Array S	28.97 323	eP	P	12 32 57.1	-1.1
KONO	Kongsberg	29.01 320	eP	P	12 32 57.8	-0.7
KONO	Kongsberg	29.01 320	eP	P	12 32 58.7	+0.1
KONO	Kongsberg	29.01 320	eP	P	12 32 57.7	-0.9
WMQ	Urumqi	29.04 73	eP	P	12 32 01.1	+2.1
WMQ	Urumqi	29.04 73	eP	P	12 32 08.0	+3.5
WMQ	Urumqi	29.04 73	eP	P	12 32 59.2	+0.2
WMQ	Urumqi	29.04 73	eP	P	12 32 59.2	+0.2
NC204	NORSAR Array S	29.07 323	eP	P	12 32 57.5	-1.7
LPL	La Plagne	29.45 290	eP	P	12 32 03.4	+0.5
LPL	La Plagne	29.45 290	eP	P	12 32 03.4	+0.5
ARAO	ARCES Array B	29.56 344	eP	P	12 33 03.4	+0.1
ARCES	ARCES Array B	29.56 344	eP	P	12 33 03.4	+0.1
ARCES	ARCES Array B	29.56 344	eP	P	12 33 03.6	+0.4
AREO	ARCES Array S	29.56 344	eP	P	12 33 03.3	0.0
BNI	Bardonecchia	29.56 289	eP	P	12 33 04.2	+0.5
BNI	Bardonecchia	29.56 289	eP	P	12 33 04.3	+0.5
BNI	Bardonecchia	29.56 289	eP	P	12 33 04.3	+0.5
BNI	Bardonecchia	29.56 289	eP	P	12 33 04.3	+0.5
KTK1	Kautokeino	29.62 342	eP	P	12 33 03.3	-0.5
SKAR	Skarslia	29.79 321	eP	P	12 33 06.6	-0.5
NSS	Namsos	30.06 330	eP	P	12 33 08.0	+0.3
MOR8	Moi Rana	30.09 334	eP	P	12 33 07.7	-0.4
DOMB	Dombas	30.12 324	eP	P	12 33 07.5	-0.9
KEST	Keora	30.34 270	eP	P	12 33 10.4	-0.2
KEST	Keora	30.34 270	eP	P	12 33 11.2	+0.6
ODD1	Odda	30.52 319	eP	P	12 33 12.6	+0.6
KONS	Knutvik	30.71 334	eP	P	12 33 14.0	+0.5
HAMF	Hammerfest	30.83 345	eP	P	12 33 15.0	+0.5
STEI	Steigen	30.92 337	eP	P	12 33 15.0	-0.3
SSB	Saint Sauveur	31.01 290	eP	P	12 33 15.5	-1.0
SSB	Saint Sauveur	31.01 290	eP	P	12 33 15.5	-1.0
AKN	Aaknes	31.08 324	eP	P	12 33 17.0	+0.2
TRO	Tromso	31.09 341	eP	P	12 33 17.1	+0.2
HYA	Høyanger	31.11 333	eP	P	12 33 17.3	+0.2
SMF	Signal de Mont	31.27 293	eP	P	12 33 16.8	-1.9
SMF	Signal de Mont	31.27 293	eP	P	12 33 16.8	-1.9
LOF	Lofoten	31.54 336	eP	P	12 33 21.1	+0.3
PYUN	Pyungho	31.89 105	eP	P	12 33 25.6	+1.1
CLF	Chambon-Foret	32.15 296	eP	P	12 33 27.5	+1.1
DANN	Dangsig	32.30 104	eP	P	12 33 29.4	+1.2
KOLN	Koldanda	32.52 105	eP	P	12 33 20.8	+0.7
DMN	Daman	33.69 104	eP	P	12 33 41.4	+1.0
KKN	Kakani	33.71 103	eP	P	12 33 42.6	+2.1
LF	La Freestone	33.72 291	eP	P	12 33 41.6	+1.5
LF	La Freestone	33.72 291	eP	P	12 33 41.6	+1.5
PKIN	Phuochi	33.92 104	eP	P	12 33 44.3	+1.9
NRK1	Noril'sk	33.93 24	P	P	12 33 42.9	+1.2
PKI	Pulchoki	33.93 104	eP	P	12 33 43.7	+1.1
MFF	Saint Martin d	33.99 294	eP	P	12 33 41.1	-1.4
MFF	Saint Martin d	33.99 294	eP	P	12 33 41.1	-1.4
EKA	Eskdalemuir Ar	35.09 310	P	P	12 33 50.7	-1.2
EKA	Eskdalemuir Ar	35.09 310	P	P	12 33 50.7	-1.2
HOPEN	Hopen	35.59 351	eP	P	12 33 56.2	+0.3
MOY	Mondy	36.74 57	eP	P	12 34 09.3	+3.0
LSA	Lhasa	36.95 96	eP	P	12 34 08.6	0.0
LSA	Lhasa	36.95 96	eP	P	12 34 08.6	0.0
SPA0	Spitsbergen Ar	38.05 350	eP	P	12 34 17.5	+0.6
SPA0	Spitsbergen Ar	38.05 350	eP	P	12 34 17.7	+0.9
SPITS	Spitsbergen Ar	38.05 350	P	P	12 34 17.3	+0.4
ZAK	Zakamensk	38.36 58	eP	P	12 34 21.8	+1.8
ZAK	Zakamensk	38.36 58	eP	P	12 34 21.8	+1.8
TLY	Talaya	38.38 56	eP	P	12 34 21.6	+1.6
TLY	Talaya	38.38 56	eP	P	12 34 21.6	+1.6
ES06	SONSECA Array	38.59 284	eP	P	12 34 19.6	-2.3
ESDC	Sonsec Array	38.59 284	P	P	12 34 20.0	-2.0
ESLA	Sonsec Array	38.60 284	eP	P	12 34 21.1	-0.9
PAB	San Pablo	38.92 284	eP	P	12 34 24.2	-0.4
PAB	San Pablo	38.92 284	eP	P	12 34 24.3	-0.4
KBS	Kingsbay	39.19 350	eP	P	12 34 26.8	+0.4
SHL	Shillong	39.80 101	eP	P	12 34 35.0	+2.7
TAM	Tamanrasset	40.07 254	eP	P	12 34 34.2	-0.4
TAM	Tamanrasset	40.07 254	eP	P	12 34 34.2	-0.4
PGAV	Gavieira, Arco	40.85 289	eP	P	12 34 40.6	-0.1
SONA0	Songino Array	40.91 62	eP	P	12 34 41.8	+0.6
SONA0	Songino Array	40.91 62	eP	P	12 34 41.8	+0.6
SONM	Songino Array	40.91 62	P			



16d 12h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ABPO Ambohimanpon, YHNB Yeheng, SSSLB Suanglung, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like JIS Juneeau Island, ACCN Andronck Com, FFC Fin Fin, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NMHZ Naumai, NMHZ Tukino, FFWZ Far West T-bar, etc.

WEL 16 12:45:16.3, 38°S 173°E, h224km, 4km, North Island

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KMRZ Kaimai, KARZ Kaharoa, UTU Utuhina, etc.

IDC 16 12:50:50.2, 1, 41, 22N, 78.97E, h20km, 6km, mb3.4/5, mb1 3.6/6, mb1mx3.2/5.3, mbtmp3.4/6, ML2.2/1, Error ellipse = s-maj=79.1km s-min=17.0km az=54.0, Western

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arr, CMAR Chiang Mai Arr, etc.

ISC/JB 16 12:56:20.9, 0.4, 24, 86N, 0, 02, 122, 01E, 0, 02, h108km, 3km, Error ellipse = s-maj=3.6km s-min=2.4km az=155.6

JMA 16 12:56:20.7, 0, 1, 24, 81N, 121, 198E, h11km, 1km, M2.6

TAP 16 12:56:21.2, 24, 87N, 122, 01E, h107km, ML3.1, B

ISC 16 12:56:21.2, 1, 3, 24, 86N, 0, 04, 122, 00E, 0, 02, h108km, 6km, 198, 08, 74/180, Taiwan

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TWB1 Santiao Chiao, TWB1, NTC Toucheng, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like E0S1, SLBB, NHDH, ENT, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like WDJ, WVD, SMLT, TYC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station codes like CARF, CARR, CARI, etc.

IDC 16 13:53:53.7, 0.6, 28.05N, 62.40E, h0km, mb4.1/21, mb1 4.3/23, mb1mx4.1/53, nbtmpt4.1/23, ML4.1/2, Error



ISC 16 14:15:24.8,0.5,6.77S;0.07:154.54E;0.07,h39km,n41, c1564/44,mb4.4/18,1D,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like RABL Rabaul, HNR Honiara, HNR Honiara, PMG Port Moresby, etc.

IDC 16 14:19:18.1±1.3,591°98N;140°69W,h0km,mb3.8/1, mb1 3.0/6,mb1mx3.351,mbtmp3.4/6,ML3.1/5,Error ellipse: s-maj=22.4km s-min=9.3km az=25.0

ISCJB 16 14:19:19.2,0.5,6.011N;0.03:140.64W,0.03,h11km,3km, mb3.5/2,Error ellipse: s-maj=4.3km s-min=2.7km az=5.9

PGC 16 14:19:19.0,0.5,60.05N;140.64W,h5km,ML3.1/11, 106km Wnw of Yakutat, Ak Southeastern Alaska

NEIC 16 14:19:20.0,0.0,60.09N;140.69W,h9km,ML3.1(OTT), ML3.2(AEIC),After AEIC.

ISC 16 14:19:19.5,0.8,60.08N;0.03:140.71W,0.02,h11km,5km, n81,±1930/110,Southeastern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like SAMH Samovar Hills, RKAU Rock Avalanche, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like HMT Hamilton, PLBC Pleasant Camp, etc.

ISCJB 16 14:20:54.6±1.4,31°42S;0.07:179.7E;0.2,h451km, mb3.5/3,Error ellipse: s-maj=27.2km s-min=8.3km az=173.5

IDC 16 14:20:54.5±11.0,31°44S;179.53E,h429km,±151km, mb3.0/3,mb1 3.3/4,mb1mx3.0/34,mbtmp4.0/4,Error ellipse: s-maj=178.7km s-min=37.7km az=3.0

WEL 16 14:20:59.2±1.2,32°51'N;178.0E;2.4,h468km,±34km ISC 16 14:20:59.2±0.3,155.0E;0.1x179.7E;0.2,h451km,n22, ±1921/32,mb3.4/3,Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like WCU Waipuu Caves, OUZ Omahuta, etc.

ISCJB 16 14:23:30.9,0.3,46°76N;0.05:150°64E;0.07,h167km, mb4.2/70,Error ellipse: s-maj=8.6km s-min=2.8km az=135.4

SKHL 16 14:23:31.4,0.2,46°93N;150°47E,h141km,4km,mb5.2/3, msh5.4/2

MOS 16 14:23:31.4±1.1,46°71N;150°75E,h177km,mb4.5/28, Error ellipse: s-maj=8.9km s-min=5.7km az=87.3

JMA 16 14:23:34.9±1.0,45°71N;150°91E,h185km,MA.1 IDC 16 14:23:34.9±1.0,46°78N;150°59E,h190km,8km,mb3.7/23, mb1 3.9/26,mb1mx3.7/55,mbtmp4.2/26,Error ellipse: s-maj=12.9km s-min=9.0km az=144.0

NEIC 16 14:23:37.1±1.3,47°36N;150°34E,h181km,6km,mb4.4/21, Error ellipse: s-maj=28.5km s-min=5.7km az=158.0

ISC 16 14:23:32.0,0.5,46°76N;0.05:150°64E;0.06,h167km, n185,±1970/205,mb4.4/70,IC-10D,Kuril Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like KUR Kuril'sk, KUR 930nm,3.0s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like KUR 174nm,0.3s, KUR 1µm,0.4s, KUR Kuril'sk, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NB2, NB200, NOA, ARAO, etc.

ISJCJB 16 14:40:28.9,0.3, 7.44S, 0.03x128.91E,0.03, h150km, mb4.0/10, Error ellipse: s-maj=4.8km s-min=4.2km az=135.6

IDC 16 14:40:29.4,1.6, 7.44S, 128.90E, h144km, 1.5km, mb3.7/6, mb1 3.9/11, mb1mx3.6/42, mbtmp4.3/11, Error ellipse: s-maj=23.2km s-min=13.4km az=118.0

NEIC 16 14:40:30.8,0.7, 7.50S, 128.83E, h160km, 1.0km, mb4.2/7, Error ellipse: s-maj=9.6km s-min=7.6km az=217.0

DJA 16 14:40:31.4,0.3, 7.53S, 128.92E, h168km, 8km, M4,2/7, SJA 16 14:40:30.5,0.5, 7.48S, 0.05x128.82E,0.05, h150km, n44, az=209/50, mb3.9/11, 1D, Banda Sea

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SAUI, BNDI, SOEI, etc.

GUC 16 14:50:49.9,0.6, 24.22S, 67.48W, h202km, 8km, ML3.6, 9C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVC, PB15, GO02, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB09, PB03, PB04, etc.

ISJCJB 16 14:54:48.7,0.4, 31.24S, 0.02x68.61W, 0.03, h114km, 3km, mb3.4/2, Error ellipse: s-maj=4.9km s-min=3.3km az=13.9

IDC 16 14:54:48.9,0.9, 31.32S, 68.59W, h107km, 8km, mb3.2/2, mb1 3.3/4, mb1mx3.2/29, mbtmp3.6/4, Error ellipse: s-maj=39.1km s-min=25.6km az=83.0

GUC 16 14:54:48.9,0.9, 31.22S, 68.82W, h164km, 34km, ML3.7, SJA 16 14:54:48.1,2, 31.24S, 68.65W, h105km, 3km, ML3.5, WVG

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RRTL, AMOG, ZON, etc.

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

ISJCJB 16 15:09:11.0, 33.30N, 5.06W, h0km, ML3.6, CNRM 16 15:09:12.3, 33.23N, 5.12W, h10km, ml3.8

MDD 16 15:09:12.4, 1.5, 33.40N, 5.22W, h0km, mb4.2/16, Error ellipse: s-maj=13.8km s-min=9.7km az=9.0, PRXIMO

ISJCJB 16 15:09:12.3, 0.4, 33.44N, 0.02x5.21W, 0.03, h26km, 3km, Error ellipse: s-maj=4.3km s-min=3.3km az=176.5

INMG 16 15:09:12.9, 2.1, 33.44N, 5.06W, h10km, ML3.1, Error ellipse: s-maj=7.3km s-min=5.8km az=87.0

SFS 16 15:09:14.4, 33.60N, 5.20W, ML3.1, AZROU (WARRUCCO)

ISJCJB 16 15:09:11.4, 0.9, 33.33N, 0.02x5.08W, 0.02, h17km, 6km, n103, z283/190, 2C-5D, Morocco

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IFR, IFRM, LCRM, etc.



16d 15h

comp=N,26nm,0.8s	PBAR	Barrancos	5.09 342	P	S	Pn	Sn	15 10 27.9 +1.1	15 11 22.1 -3.0
comp=N,26nm,0.8s	PTEO	Sao Teotônio	5.15 326	ePn	eSn	Pn	Sn	15 10 28.1 +0.5	15 11 25.1 -1.6
comp=N,14nm,0.5s	PTEO	Sao Teotônio	5.15 326	P	S	Pn	Sn	15 10 28.1 +0.5	15 11 25.1 -1.6
comp=N,6.8nm,0.5s	SESP	Santiago Espad	5.20 23	P	S	Pn	Sn	15 10 32.5 +4.0	15 11 36.0 +7.8
	PBEJ	Beja	5.20 335	ePn	eSn	Pn	Sn	15 10 30.1 +1.7	15 11 28.1 +0.1
comp=N,11nm,0.4s	PBEJ	Beja	5.20 335	P	S	Pn	Sn	15 10 30.1 +1.7	15 11 28.1 +0.1
comp=N,5.6nm,0.4s	PNCL	Nicolau / Gran	5.53 330	ePn	eSn	Pn	Sn	15 10 33.9 +1.0	15 11 33.1 -3.0
comp=N,14nm,0.4s	PNCL	Nicolau / Gran	5.53 330	P	S	Pn	Sn	15 10 33.9 +1.0	15 11 33.1 -3.0
comp=N,14nm,0.4s	EBAD	Badajoz	5.63 344	U	P	Pn	Sn	15 10 34.9 +0.6	
comp=N,22nm,0.3s,SNR=18	EBAD	Evora	5.71 336	ePn	eSn	Pn	Sn	15 10 38.0 +2.7	15 11 39.7 -0.7
comp=N,33nm,0.4s,SNR=7.9	EVO	Evora	5.71 336	P	S	Pn	Sn	15 10 38.0 +2.7	15 11 39.7 -0.7
comp=N,14nm,0.4s	EVO	Evora	5.71 336	P	S	Pn	Sn	15 10 38.0 +2.7	15 11 39.7 -0.7
comp=N,14nm,0.4s	PESTR	Estremoz	5.88 341	ePn	eSn	Pn	Sn	15 10 38.3 +0.5	15 11 42.1 -2.5
comp=N,8.2nm,0.3s	PESTR	Estremoz	5.88 341	P	S	Pn	Sn	15 10 38.3 +0.5	15 11 42.1 -2.5
comp=N,1.4nm,0.4s,SNR=7.9	PAB	San Pablo	6.23 5	P	S	Pn	Sn	15 10 42.1 +3.1	
comp=N,1.9nm,0.2s,SNR=7.9	PAB	Montargil	6.26 337	ePn	eSn	Pn	Sn	15 10 42.1 +3.1	15 11 51.8 -2.3
comp=N,4.3nm,0.2s,SNR=7.9	PMTG	Montargil	6.26 337	P	S	Pn	Sn	15 10 43.3 +0.4	15 12 08.1
comp=N,8.3nm,0.3s	PMTG	Montargil	6.26 337	P	S	Pn	Sn	15 10 43.3 +0.4	15 11 51.8 -2.3
comp=N,8.3nm,0.3s	PMRV	Marv??o	6.36 344	ePn	eSn	Pn	Sn	15 10 45.1 +0.8	15 11 52.4 -4.2
comp=N,10nm,0.8s	PMRV	Marv??o	6.36 344	P	S	Pn	Sn	15 10 45.1 +0.8	15 11 52.4 -4.2
comp=N,10nm,0.8s	ESDC	Sonsecda Array	6.39 8	P	S	Pn	Sn	15 10 45.2 +0.4	
comp=N,0.5nm,0.1s,baz=196,slow=13,SNR=8.1	ESDC	Maifra	6.56 330	ePn	eSn	Pn	Sn	15 10 47.6 +0.6	15 12 00.1 -1.3
comp=N,1.3nm,0.2s,baz=192,slow=23,SNR=8.8	PMAFR	Castelo Branco	6.78 344	ePn	eSn	Pn	Sn	15 10 50.5 +0.5	15 12 02.2 -4.5
comp=N,21nm,0.5s	PCBR	Castelo Branco	6.78 344	P	S	Pn	Sn	15 10 50.5 +0.5	15 12 02.2 -4.5
comp=N,11nm,0.3s	PCBR	Tomar	6.82 338	ePn	eSn	Pn	Sn	15 10 48.9 -1.7	15 12 02.2 -4.5
comp=N,5.3nm,0.3s	PTOM	Tomar	6.82 338	P	S	Pn	Sn	15 10 48.9 -1.7	15 12 02.2 -4.5
	PCAS	Casmilio, Conde	7.25 339	ePn	eSn	Pn	Sn	15 10 58.5 +2.0	15 12 02.2 -4.5
	PCAS	Casmilio, Conde	7.25 339	P	S	Pn	Sn	15 10 58.5 +2.0	15 12 02.2 -4.5
	MTE	Manteigas	7.33 345	ePn	eSn	Pn	Sn	15 10 58.1 +0.5	15 12 17.6 -2.7
	MTE	Manteigas	7.33 345	P	S	Pn	Sn	15 10 58.1 +0.5	15 12 17.6 -2.7
	PVIS	Viseu	7.71 344	eSn	eSn	Pn	Sn	15 12 24.8 -4.9	15 12 24.8 -4.9
	PVIS	Viseu	7.71 344	S	S	Pn	Sn	15 12 24.8 -4.9	15 12 24.8 -4.9
	ETOR	Torete	7.85 17	P	S	Pn	Sn	15 11 05.9 +1.0	
comp=N,1.2nm,0.2s,SNR=9.8	ETOR	Moncorvo	7.97 349	ePn	eSn	Pn	Sn	15 11 07.1 +0.7	15 12 31.4 -4.8
comp=N,0.0nm,0.4s,SNR=7.9	MVO	Vila Real	8.20 346	ePn	eSn	Pn	Sn	15 11 10.2 +0.6	15 12 37.7 -4.2
	PVRL	Vila Real	8.20 346	P	S	Pn	Sn	15 11 10.2 +0.6	15 12 37.7 -4.2
	PVRL	Lamas de Olo	8.31 346	ePn	eSn	Pn	Sn	15 11 11.6 +0.4	15 12 39.4 -5.3
	POLO	Lamas de Olo	8.31 346	P	S	Pn	Sn	15 11 11.6 +0.4	15 12 39.4 -5.3
	PBRG	Braganca	8.56 352	ePn	eSn	Pn	Sn	15 11 14.9 +0.4	15 12 45.9 -4.8
	PBRG	Braganca	8.56 352	P	S	Pn	Sn	15 11 14.9 +0.4	15 12 45.9 -4.8
	PCAB	Cabril	8.68 345	ePn	eSn	Pn	Sn	15 11 16.6 +0.4	15 12 48.5 -5.2
	PCAB	Cabril	8.68 345	P	S	Pn	Sn	15 11 16.6 +0.4	15 12 48.5 -5.2
	PCAB	Cabril	8.68 345	P	S	Pn	Sn	15 12 48.5 -5.2	15 11 16.7 +0.4
	ECAL	Calabor	8.69 352	P	S	Pn	Sn	15 12 48.3 -5.7	
comp=N,11nm,0.4s,SNR=7.9	ELOB	Lobios	8.84 345	P	S	Pn	Sn	15 11 18.2 -0.2	
comp=N,6.2nm,0.2s,SNR=7.9	ELOB	Gaveira, Arco	8.98 345	ePn	eSn	Pn	Sn	15 11 20.7 +0.4	15 12 56.1 -5.0
comp=N,4.3nm,0.3s,SNR=7.9	PGAV	Gaveira, Arco	8.98 345	P	S	Pn	Sn	15 11 20.7 +0.4	15 12 56.1 -5.0

BUI 16 15:13:12.5,24.63N,121.67E,h31km,mb3.7/2,ML3.6/6  
 ISCJB 16 15:13:13.7,0.2,24.67N,0.01,121.58E,0.01,h76km,1km,  
 mb3.8/14,Error ellipse: s-maj=2.6km s-min=1.7km  
 az=137.6  
 JMA 16 15:13:13.4,0.1,24.54N,121.52E,h75km,1km,ML3.8  
 TAP 16 15:13:14.6,24.61N,121.59E,h68km,ML4.5,B  
 IDC 16 15:13:16.9,3.6,24.66N,121.83E,h102km,33km,  
 mb3.4/12,mb1 3.5/12,mb1mx3.3/43,mbtp3.7/12,Error  
 ellipse: s-maj=24.0km s-min=13.9km az=59.0  
 ISC 16 15:13:14.0,0.6,24.66N,0.02,121.58E,0.02,h72km,33km,  
 n152,az=98/249,mb3.8/14,22C-50D,Taiwan

Code	Station Name	A°	Z°	Phase ID	Time	Res
					h m s	ISC
ENTT	Nioudou	0.02	217	U	Pn	15 13 25.0 +0.5
ENTT				S	Sn	15 13 32.2 +0.1
ENTT	Datong Townshi	0.08	229	U	Pn	15 13 25.1 +0.6
ENTT				S	Sn	15 13 32.1 -0.1
TWE	Neicheng	0.10	51	U	Pn	15 13 25.2 +0.6
TWE				S	Sn	15 13 32.5 +0.2
SLBB	Yuanshan	0.11	28	U	Pn	15 13 25.1 +0.5
SLBB				S	Sn	15 13 32.4 -0.1
NWLT	Wulai	0.14	330	U	Pn	15 13 25.0 +0.2
NWLT				S	Sn	15 13 31.9 -0.6
YHNB	Yeheng	0.18	275	U	Pn	15 13 25.1 +0.2
YHNB				S	Sn	15 13 32.3 -0.7

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baz=293	NSK	Sanguang	0.20 276	U	Pn	Pn	Sn	15 13 25.2 +0.2	
baz=293	NSK	Suo	0.25 100	U	Pn	Sn	Sn	15 13 32.3 -0.8	
baz=91	TWC	Suo	0.25 100	U	Pn	Sn	Sn	15 13 25.6 +0.5	
baz=91	TWC	Nanau	0.27 147	U	Pn	Pn	Sn	15 13 33.3 0.0	
baz=147	ENA	Nan Shan	0.28 221	U	Pn	Pn	Sn	15 13 25.2 -0.1	
baz=227	NNS	Datong	0.29 218	U	Pn	Pn	Sn	15 13 26.1 +0.6	
baz=225	NNSB	Datong	0.29 218	U	Pn	Pn	Sn	15 13 34.1 +0.2	
baz=225	NNSB	Toucheng	0.30 49	U	Pn	Pn	Sn	15 13 33.7 -0.2	
baz=43	NTC	Toucheng	0.30 49	U	Pn	Pn	Sn	15 13 26.1 +0.6	
baz=43	NTC	Xindian Distri	0.31 351	P	Sn	Pn	Sn	15 13 34.2 +0.3	
baz=351	NHDD	Xindian Distri	0.31 351	P	Sn	Pn	Sn	15 13 26.0 +0.5	
baz=351	NHDD	Taipei	0.33 346	U	Pn	Pn	Sn	15 13 34.0 +0.1	
baz=353	TATO	Taipei	0.33 346	U	Pn	Pn	Sn	15 13 26.1 +0.4	
baz=353	TATO	Shuangxi	0.39 35	U	Pn	Pn	Sn	15 13 34.0 -0.2	
baz=24	TIPB	Shuangxi	0.39 35	U	Pn	Pn	Sn	15 13 26.8 +0.7	
baz=14	NWF	Wu-fen Shan	0.45 24	U	Pn	Pn	Sn	15 13 35.0 0.0	
baz=16	WFSB	Wu-fen Shan	0.45 24	U	Pn	Pn	Sn	15 13 27.4 +0.6	
baz=16	WFSB	Xiulin Townshi	0.46 191	U	Pn	Pn	Sn	15 13 36.4 +0.3	
baz=187	ETLH	Xiulin Townshi	0.46 191	U	Pn	Pn	Sn	15 13 27.4 +0.7	
baz=187	ETLH	Wu-fen Shan	0.45 24	U	Pn	Pn	Sn	15 13 27.4 +0.7	
baz=187	TWS1	Kuangyinshan	0.47 342	U	Pn	Pn	Sn	15 13 36.1 +0.2	
baz=334	TWS1	Kuangyinshan	0.47 342	U	Pn	Pn	Sn	15 13 26.9 +0.1	
baz=334	TWS1	National Centr	0.47 311	U	Pn	Pn	Sn	15 13 26.9 +0.8	
baz=307	NCU	National Centr	0.47 311	U	Pn	Pn	Sn	15 13 36.0 -0.1	
baz=307	NCU	Zhongli	0.47 311	U	Pn	Pn	Sn	15 13 27.6 +0.8	
baz=307	NCU	Zhongli	0.47 311	U	Pn	Pn	Sn	15 13 36.8 +0.6	
baz=173	NACB	Ninganchiao	0.48 178	U	Pn	Pn	Sn	15 13 27.4 +0.6	
baz=173	NACB	Ninganchiao	0.48 178	U	Pn	Pn	Sn	15 13 26.2 -0.7	
baz=359	YM01	YM01	0.49 359	U	Pn	Pn	Sn	15 13 35.1 -1.1	
baz=359	YM01	YM01	0.49 359	U	Pn	Pn	Sn	15 13 27.5 +0.5	
baz=358	YM10	YM10	0.50 358	U	Pn	Pn	Sn	15 13 36.1 -0.4	
baz=358	YM10	YM10	0.50 358	U	Pn	Pn	Sn	15 13 27.7 +0.6	
baz=358	YM05	YM05	0.51 359	U	Pn	Pn	Sn	15 13 36.7 0.0	
baz=358	YM05	YM05	0.51 359	U	Pn	Pn	Sn	15 13 27.7 +0.4	
baz=358	YM11	YM11	0.51 360	U	Pn	Pn	Sn	15 13 36.9 0.0	
baz=352	EOS1	EOS1	0.51 102	eP	Pn	Sn	Sn	15 13 27.8 +0.5	
baz=92	EOS1	Santiago Chiao	0.51 47	U	Pn	Pn	Sn	15 13 36.9 -0.1	
baz=92	EOS1	Santiago Chiao	0.51 47	U	Pn	Pn	Sn	15 13 28.7 +1.6	
baz=39	TWB1	Santiago Chiao	0.52 4	U	Pn	Pn	Sn	15 13 38.3 +1.6	
baz=356	YM07	YM07	0.52 4	U	Pn	Pn	Sn	15 13 27.9 +0.8	
baz=356	NTST	Danshui	0.52 347	eP	Pn	Pn	Sn	15 13 36.8 0.0	
baz=356	YM03	YM03	0.52 356	U	Pn	Pn	Sn	15 13 27.7 +0.4	
baz=356	YM03	YM03	0.52 356	U	Pn	Pn	Sn	15 13 37.1 0.0	
baz=278	NSTT	Nanjiang	0.53 267	U	Pn	Pn	Sn	15 13 28.2 +1.0	
baz=278	NSTT	Nanjiang	0.53 267	U	Pn	Pn	Sn	15 13 28.2 +1.0	
baz=353	YM08	YM08	0.53 1	U	Pn	Pn	Sn	15 13 27.8 +0.4	
baz=353	ANP	Anpu	0.53 354	U	Pn	Pn	Sn	15 13 37.2 +0.1	
baz=2.0	TWT	Anpu	0.54 223	U	Pn	Pn	Sn	15 13 27.7 +0.3	
baz=2.0	TWT	Techi	0.55 224	P	Sn	Pn	Sn	15 13 36.9 -0.3	
baz=223	TDCB	Techi	0.55 224	P	Sn	Pn	Sn	15 13 27.9 +0.4	
baz=234	SBCB	Hsinchu	0.56 284	U	Pn	Pn	Sn	15 13 29.0 +1.3	
baz=234	SBCB	Hsinchu	0.56 284	U	Pn	Pn</			

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Sandimen, Ma-tsu, Shoushan, Hateruma jima, Taimali, Penghu, etc.

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

ISCJB 16:15:42:39.0,0.6,22:21S:0:09:179:5W:0.1, h592km, mb4.1/16, Error ellipse: s-maj=13.8km s-min=12.0km az=24.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Urewera, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Manna, Lahat, Maun Dua, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Tingo Tinggi, Cismopet, Garu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Nongkai, Baunata, Cape Leeuwin, etc.

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

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

ISCJB 16:15:49:51.8,0.2,24:23S:0:03:67:20W:0.03, h182km,3km, mb4.0/13, Error ellipse: s-maj=5.4km s-min=4.0km az=29.9

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

ISCJB 16 15:50:04.8-0.7, 0.6S, 0.07x129.98E:0.08, h104km, mb3.8/1, Error ellipse: s-maj=11.9km s-min=9.6km az=7.0

16 15:50:06.9-2.2, 7.03S, 130.01E, h116km, 26km, mb3.7/1, mb1 3.6/6, mb1mx3.2/29, mbtm3.9/6, Error ellipse: s-maj=38.1km s-min=20.9km az=95.0

ISC 16 15:50:04.7-0.9, 7.11S, 0.06x130.2E:0.1, h104km, n6, #371/1, Tanimbar Islands region

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

ISC 16 16:16:16.6-1.4, 31.33N, 139.43E, h0km, mb3.3/2, mb1 3.5/3, mb1mx3.1/55, mbtm3.2/3, ML1.8/1, MS3.9/1, Ms1 3.9/1, ms1mx3.3/4, Error ellipse: s-maj=148.3km s-min=21.4km az=94.0

ISCJB 16 16:16:21.3-1.0, 31.50N, 139.01E:0.06, 139.1E:0.2, h33km, mb3.4/2, MS3.9/1, Error ellipse: s-maj=21.9km s-min=7.3km az=12.3

JMA 16 16:16:27.5-0.3, 32.02N, 140.80E, h20km, M3.3

ISC 16 16:16:23.2-1.4, 31.48N, 139.3E:0.2, h35km, n13

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

MEX 16 16:16:36.5-0.3, 16.05N, 98.41W, h2km, 4km, MD3.7, Near coast of Guerrero

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

ISC 16 16:22:38.9-3.5, 31.31N, 140.36E, h0km, mb3.1/2, mb1 3.3/3, mb1mx3.0/54, mbtm3.0/3, ML2.0/1, Error ellipse: s-maj=238.4km s-min=22.6km az=82.0

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

ISC 16 16:26:37.1-0.9, 28.09N, 62.31E, h0km, mb3.7/14, mb1 3.9/16, mb1mx3.7/52, mbtm3.7/16, ML3.4/2, Error ellipse: s-maj=20.4km s-min=18.9km az=105.0

ISCJB 16 16:26:41.4-0.5, 27.86N, 0.05:62.47E:0.07, h50km, mb3.7/14, Error ellipse: s-maj=9.2km s-min=5.3km az=32.1

THR 16 16:26:46.9, 27.93N, 62.06E, h46km, ML4.0

TEH 16 16:26:47.0, 28.23N, 62.29E, h95km, ML4.0

OMAN 16 16:26:52.6, 25.27N, 61.87E, h189km, 103km, ml3.6/3, Zehor ellipse: s-maj=48.5km s-min=9.8km az=46.0

ISC 16 16:26:43.2-0.7, 27.38N, 0.05:62.20E:0.08, h50km, n42, #264/43, mb3.7/14, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SZDI Zahaedan-tmp, ZHFS Zahedan, ZHFS Zahedan, etc.

ISCJB 16 16:36:21.4-0.3, 6.35N, 0.02:73.58W:0.03, h130km, 9km, Error ellipse: s-maj=5.7km s-min=3.2km az=25.1

IDC 16 16:36:22.3-0.8, 6.38N, 73.54W, h130km, 12km, mb3.5/3, mb1 3.7/5, mb1mx3.2/42, mbtm4.0/5, Error ellipse: s-maj=37.5km s-min=8.8km az=131.0

RNSC 16 16:36:23.1-1.6, 6.33N, 73.57W, h118km, 6km, ML3.9, Mw3.9

ISC 16 16:36:21.8-0.8, 6.35N, 0.03:73.58W:0.04, h126km, 6km, n45, #991/64, 6C-9D, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BARC Barichara, BARC Barichara, BANC Barranca, Sant, etc.

ISC 16 16:22:38.9-3.5, 31.31N, 140.36E, h0km, mb3.1/2, mb1 3.3/3, mb1mx3.0/54, mbtm3.0/3, ML2.0/1, Error ellipse: s-maj=238.4km s-min=22.6km az=82.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZARC Zaragoza, Cauc, ZARC Zaragoza, Cauc, CHIC Chingaza, etc.

ISC 16 16:26:37.1-0.9, 28.09N, 62.31E, h0km, mb3.7/14, mb1 3.9/16, mb1mx3.7/52, mbtm3.7/16, ML3.4/2, Error ellipse: s-maj=20.4km s-min=18.9km az=105.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HELC Santa Helena, HELC Santa Helena, CAPV Capacho, etc.

ISC 16 16:26:41.4-0.5, 27.86N, 0.05:62.47E:0.07, h50km, mb3.7/14, Error ellipse: s-maj=9.2km s-min=5.3km az=32.1

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SJAC San Juan de Ar, SOCV Socops, AGC Agustín Codazzi, etc.

ISC 16 16:26:43.2-0.7, 27.38N, 0.05:62.20E:0.08, h50km, n42, #264/43, mb3.7/14, Southern Iran

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

ISC 16 16:44:05.1-0.3, 35.64N, 0.04:97.13W:0.03, h7km, 9km, n39, #101/49, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Ar, YKA Yellowknife Ar, ILAR Eielson Array, etc.

ISCJB 16 16:44:04.4-0.7, 35.69N, 0.03:97.16W:0.03, h9km, 5km, Error ellipse: s-maj=6.1km s-min=3.9km az=154.2

ANF 16 16:44:04.4-0.5, 35.66N, 97.13W, ML4.0/14, Error ellipse: s-maj=9.7km s-min=3.4km az=155.0

TUL 16 16:44:05.0, 35.67N, 97.12W, h7km, ML3.5

NEIC 16 16:44:05.0-0.0, 35.67N, 97.12W, h7km, ML3.5 (TUL), After TUL

ISC 16 16:44:05.1-0.3, 35.64N, 0.04:97.13W:0.03, h7km, 9km, n39, #101/49, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like OK02 Willowshire Harra, OK02 Willowshire Harra, TUL1 Leonard, etc.

Table with columns: WHXX, Lake Whitney, 3.65 184 ePn, Pn, 16 45 02.7 +0.3, 16 45 09.3 -1.0, 16 45 57.3 +2.6, etc.

IDC 16 16:46:55.0-2.4, 6.99S-130.12E, h106km, 29km, mb3.2/1, mb1 3.7/6, mb1mx3.3/31, mbtmp4.0/6, Error ellipse: s-maj=39.4km s-min=21.8km az=94.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Sorong, Baumenta, Fitzroy Crossi, etc.

MEX 16 17:04:22.0-3.0, 14.40N-92.52W, h68km, 64km, MD4.0, Near coast of Chiapas

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

MDD 16 17:04:26.7-1.3, 33.19N-13.02W, h30km, mb4.6/5, Error ellipse: s-maj=29.5km s-min=7.0km az=151.0, PRXIMO

IGIL 16 17:04:27.7, 33.35N-12.80W, h0km, ML2.9, Error ellipse: s-maj=4.9km s-min=3.4km az=171.9

INMG 16 17:04:29.6, 1.5, 33.17N-13.11W, h10km, ML2.8, Error ellipse: s-maj=5.4km s-min=3.0km az=123.0

CNRM 16 17:04:33.5, 33.21N-12.48W, h128km, ml3.5, Error ellipse: s-maj=17.4km s-min=10.4km az=124.7W, 0.06, h10km, n66, -1176/93, Madeira islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like EAH, Porto Santo, Madeira, etc.

ISCJBJ 16 17:07:17.3-0.2, 35.76N-0.02-97.11W-0.02, h10km, Error ellipse: s-maj=3.6km s-min=2.5km az=159.1

ANF 16 17:07:18.9-0.7, 35.68N-97.13W, ML4.2/14, Error ellipse: s-maj=8.6km s-min=4.5km az=145.0

NEIC 16 17:07:19.6-0.0, 35.67N-97.11W, h2km, MN3.5, ML3.7(TUL), After TUL

NEIC Felt [V] at Arcadia and Luther, [III] at Wellston and [II] at Oklahoma City, Felt widely in the Norman-Oklahoma City-Chandler area.

TUL 16 17:07:19.6, 35.67N-97.11W, h2km, ML3.7, mbLg3.5(INEIC)

ISC 16 17:07:17.9-0.6, 35.72N-0.03-97.18W-0.03, h10km, ml101, -1295/129, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Wilshire Harra, Jhon High Sch, etc.

Table with columns: PBDV, Barranco-do-Ve, 5.32 43 P S, Pn, 17 06 55.6, 17 05 50.5 +1.4, 17 06 51.3 +0.9, etc.

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

EBAD 16 17:07:17.3-0.2, 35.76N-0.02-97.11W-0.02, h10km, Error ellipse: s-maj=3.6km s-min=2.5km az=159.1

EMIJ 16 17:07:18.9-0.7, 35.68N-97.13W, ML4.2/14, Error ellipse: s-maj=8.6km s-min=4.5km az=145.0

NEIC 16 17:07:19.6-0.0, 35.67N-97.11W, h2km, MN3.5, ML3.7(TUL), After TUL

NEIC Felt [V] at Arcadia and Luther, [III] at Wellston and [II] at Oklahoma City, Felt widely in the Norman-Oklahoma City-Chandler area.

TUL 16 17:07:19.6, 35.67N-97.11W, h2km, ML3.7, mbLg3.5(INEIC)

ISC 16 17:07:17.9-0.6, 35.72N-0.03-97.18W-0.03, h10km, ml101, -1295/129, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Wilshire Harra, Jhon High Sch, etc.

ISCJBJ 16 17:11:30.6-0.7, 37.37S-177.39E-0.05, 177.39E-0.07, h178km, 5km, mb3.0/2, Error ellipse: s-maj=9.5km s-min=7.6km az=158.9

WEL 16 17:11:34.4-1.0, 37.5S-177.7E, h126km, 9km, Error ellipse: s-maj=11.3km s-min=7.7km az=158.9

ISC 16 17:11:31.5-1.1, 37.56S-177.26E-0.06, h170km, 7km, n97, -1548/109, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Rukaha, Te Kuma, etc.

Table with columns: ABTX, Abilene, Hawle, 3.70 214 ePn, Pn, 17 08 16.9 +1.7, 17 08 17.0 +1.9, 17 08 18.9 +3.7, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Cane Creek, Muleshoe, etc.

ISCJBJ 16 17:11:30.6-0.7, 37.37S-177.39E-0.05, 177.39E-0.07, h178km, 5km, mb3.0/2, Error ellipse: s-maj=9.5km s-min=7.6km az=158.9

WEL 16 17:11:34.4-1.0, 37.5S-177.7E, h126km, 9km, Error ellipse: s-maj=11.3km s-min=7.7km az=158.9

ISC 16 17:11:31.5-1.1, 37.56S-177.26E-0.06, h170km, 7km, n97, -1548/109, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Rukaha, Te Kuma, etc.

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

PGC 16 17:25:59.6,0.0,62.272N,142.52W, h1km, ML2.0, 238km Ene of Valdez, Ak Central Alaska, Central Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BVCY, OKY2, YUK2, etc.

ISCJB 16 17:26:34.0,0.9,52.33N,0.08,167.46W,0.09, h10km, mb3.7/9, Error ellipse: s-maj=13.3km s-min=5.6km az=150.1

NEIC 16 17:26:37.4,0.0,52.42N,167.37W, h6km, ML2.9(AEIC), After AEIC.

IDC 16 17:26:37.6,3.5,52.80N,167.73W, h0km, mb3.7/9, mb1.3/8.0, mb1mx3.5/3, mbtmp3.6/10, ML2.7/1, Error ellipse: s-maj=76.7km s-min=21.8km az=166.0

ISC 16 17:26:36.3,1.2,52.44N,0.1,167.46W,0.07, h10km, n25, r122/25, mb3.8/8, Fox Islands

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

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

TAP 16 17:33:17.0,24.87N,122.93E, h117km, ML2.8, C ISCJB 16 17:33:17.5,0.5,24.88N,0.04,122.88E,0.03, h116km,6km, Error ellipse: s-maj=6.5km s-min=4.9km az=155.2

JMA 16 17:33:24.8,0.4,24.85N,123.29E, h17km, ML1.1

ISC 16 17:33:18.4,1.7,24.80N,0.06,122.94E,0.04, h102km,10km, n71, r107/105, 1C-3D, Taiwan region

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

IDC 16 17:59:54.6,0.9,28.14N,62.74E, h0km, mb3.7/8, mb1.3/8.9, mb1mx3.5/4, mbtmp3.7/9, ML2.8/1, Error ellipse: s-maj=24.3km s-min=21.9km az=99.0

ISCJB 16 17:59:58.0,2.0,28.22N,0.1,62.6E,0.1, h33km, mb3.4/9, Error ellipse: s-maj=17.8km s-min=10.9km az=137.8

ISC 16 17:59:59.0,0.8,28.11N,0.1,62.5E,0.1, h35km, n12, r164/13, mb3.5/9, Southwestern Pakistan

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

ISCJB 16 18:12:12.9,0.3,24.07S,0.03,67.18W,0.04, h210km,4km, Error ellipse: s-maj=5.9km s-min=4.1km az=165.1

SJA 16 18:12:13.7,0.4,24.06S,67.09W, h203km,4km, ML3.0, MW3.4

NEIC 16 18:12:13.1,1.7,24.11S,66.98W, h188km,12km, mb4.6/8, ML4.3(GUC), Error ellipse: s-maj=26.0km s-min=12.5km az=91.0

IDC 16 18:12:14.7,1.7,23.94S,66.93W, h183km,16km, mb3.2/3, mb1.3/5.7, mb1mx3.3/28, mbtmp3.8/7, Error ellipse: s-maj=24.2km s-min=20.7km az=154.0

GUC 16 18:12:16.2,0.6,24.01S,67.37W, h218km,13km, ML4.4

ISC 16 18:12:13.3,0.7,24.08S,0.04,67.13W,0.04, h194km,7km, n50, r194/73, 8C, Chile-Argentina border region

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

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

IDC 16 17:59:54.6,0.9,28.14N,62.74E, h0km, mb3.7/8, mb1.3/8.9, mb1mx3.5/4, mbtmp3.7/9, ML2.8/1, Error ellipse: s-maj=24.3km s-min=21.9km az=99.0

ISCJB 16 17:59:58.0,2.0,28.22N,0.1,62.6E,0.1, h33km, mb3.4/9, Error ellipse: s-maj=17.8km s-min=10.9km az=137.8

ISC 16 17:59:59.0,0.8,28.11N,0.1,62.5E,0.1, h35km, n12, r164/13, mb3.5/9, Southwestern Pakistan

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

ISCJB 16 18:12:12.9,0.3,24.07S,0.03,67.18W,0.04, h210km,4km, Error ellipse: s-maj=5.9km s-min=4.1km az=165.1

SJA 16 18:12:13.7,0.4,24.06S,67.09W, h203km,4km, ML3.0, MW3.4

NEIC 16 18:12:13.1,1.7,24.11S,66.98W, h188km,12km, mb4.6/8, ML4.3(GUC), Error ellipse: s-maj=26.0km s-min=12.5km az=91.0

IDC 16 18:12:14.7,1.7,23.94S,66.93W, h183km,16km, mb3.2/3, mb1.3/5.7, mb1mx3.3/28, mbtmp3.8/7, Error ellipse: s-maj=24.2km s-min=20.7km az=154.0

GUC 16 18:12:16.2,0.6,24.01S,67.37W, h218km,13km, ML4.4

ISC 16 18:12:13.3,0.7,24.08S,0.04,67.13W,0.04, h194km,7km, n50, r194/73, 8C, Chile-Argentina border region

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

Table with columns: PB05, IPOC Station P, 3.08 2931, eP, Pn, 18 13 05.6 +1.8, etc.

Table with columns: DLV, T, Lat, 16.59 32, ePn, Pn, 18 26 21.1 -0.1, etc.

Table with columns: WR1, T, 13.13m, 0.9s, baz=296, slow=9.6, SNR=89, etc.

MOS 16 18:22:28.6 1.0, 2.10S:99.78E, h27km, mb5.1/46, Error ellipse: s-maj=12.0km s-min=5.5km az=114.2

NEIC 16 18:22:29.5 1.8, 2.25S:99.99E, h25km, mb5.0/71, Error ellipse: s-maj=15.5km s-min=9.1km az=218.0

IS/CJB 16 18:22:31.0 0.6, 2.15S:0.03, 99.80E:0.03, h48km, mb4.9/109, MS4.0/14, Error ellipse: s-maj=7.2km s-min=3.5km az=137.6

DJA 16 18:22:32.1 0.4, 2.3S:3.10E, h74km, mb4.6/19, mb4.8/8, mb4.9/6, MLV4.8/19, Mw(m)4.2/6

IDC 16 18:22:33.4 2.2, 2.04S:99.90E, h47km, mb4.9/109, mb4.4/22, mb1.4/5, 2/3, mb1mx4.3/37, mbtmp4.6/23, ML4.2/1, MS3.8/8, M51.3/8, ms1mx3.4/44, Error ellipse: s-maj=17.7km s-min=9.5km az=46.0

KLM 16 18:22:35.0 2.00S:99.66E, h69km, mb4.7

ISC 16 18:22:31.0 0.8, 2.26S:0.04, 99.71E:0.04, h34km, mb4.7

n392, 1826/403, mb4.9/109, MS4.0/14, 9C-2D, Southern Sumatara

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

Table with columns: H08S2, Diego Garcia H, 27.62 258, T, T, 18 56 54.2, etc.

Table with columns: WRMJ, Urumqi, 47.12 348, P, P, 18 31 00.0 +0.1, etc.



16d 18h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MK31, MK32, MKAR, etc.

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

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like U51A, U52A, U55A, etc.

IDC 16:18:24:58.9:5.4, 42:49Sx16:39W, h0km, mb3.8/3, ms1.4m/3.5, mb1mx3.7/28, mbmt3.8/3, MS4.0/3, Ms1 4.0/3, ms1.4m/3.5/25, Error ellipse: s-maj=175.0km s-min=41.8km az=157.0, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include H10S3 ASCENSION HYDR3.44, H10S1 ASCENSION HYDR3.45, H10N1 ASCENSION HYDR4.55, etc.

1DC 16:18:37.38.4.0.3, 55.58N:70.38E, h121km, 38km, mb3.2/4, mb1 3.4/7, mb1mx3.1/54, mbtmp3.7/7, Error ellipse: s-maj=37.6km s-min=24.0km az=165.0

1SCJB 16:18:37.46.0.0.6, 36.39N:104.70E, h200km, mb2.9/3, Error ellipse: s-maj=8.5km s-min=5.3km az=152.8

1NCC 16:18:37.52.6.4.5, 36.81N:69.97E, h211km, 55km, mb3.1, mpv4.3, Error ellipse: s-maj=39.9km s-min=30.4km az=38.0

1SC 16:18:37.50.1.1.2, 36.65N:109.69E, h200km, n31, e2510/31, mb3.0/3, 7C-3D, Hindu Kush region

Main table of station data for the first section, including codes like AML, KAK31, UCH, EKS2, KZA, AAK, etc.

1DC 16:18:38.39.9.7, 6.01S, 147.67E, h222km, 35km, mb3.2/2, mb1 3.3/4, mb1mx2.9/34, mbtmp3.7/4, Error ellipse: s-maj=75.0km s-min=68.7km az=20.0, Eastern New Guinea region

Table of station data for the second section, including codes like PMG, WRA, ASAR, STKA, etc.

1SCJB 16:19:01:29.6.0.3, 43.87N:103.105E, h18W, 0.04, h0km, mb3.9/2, Error ellipse: s-maj=4.2km s-min=3.8km az=43.3

1NEIC 16:19:01:31.2.0.3, 43.82N:105.25W, h0km, ML3.4, Error ellipse: s-maj=4.3km s-min=3.8km az=172.0, Suspected Mining explosion.

1NEIC 56 km [35 miles] SSE of Gillette. ANF 16:19:01:32.0.0.8, 43.80N:105.28W, h5km, ML3.6/11, Error ellipse: s-maj=10.7km s-min=8.6km az=147.0

1DC 16:19:01:32.1.1.4, 44.28N:105.89W, h0km, mb3.9/2, mb1 3.7/7, mb1mx3.5/55, mbtmp3.5/7, ML3.4/4, Error ellipse: s-maj=32.9km s-min=6.8km az=144.0

1SC 16:19:01:30.8.0.8, 43.83N:104.105E, h25W, 0.05, h0km, n65, +152/63, Wyoming

Table of station data for the third section, including codes like RSSD, K22A, etc.

Main table of station data for the second section, including codes like PHWY, RWWY, LAO, N23A, etc.

1SCJB 16:19:14:49.9.0.3, 27.81N:103.61E, h50km, mb4.1/32, Error ellipse: s-maj=4.9km s-min=3.4km az=37.7

1TEH 16:19:14:52.3.27.87N:61.92E, h55km, ML4.5, 1DC 16:19:14:53.4.0.6, 27.93N:101.61E, h68km, 4km, mb3.5/18, mb1 3.6/19, mb1mx3.5/57, mbtmp3.8/19, Error ellipse: s-maj=14.7km s-min=13.1km az=158.0

1NEIC 16:19:14:53.3.0.0, 27.94N:61.84E, h80km, mb4.6/18, MN4.2(TEH), After TEH.

1THR 16:19:14:54.1.27.84N:61.75E, h46km, ML4.2, 1DSN 16:19:14:53.4.1.7, 27.45N:101.54E, h30km, ML4.2/11, Error ellipse: s-maj=49.6km s-min=13.0km az=146.0

1OMAN 16:19:15:00.7.0.3, 27.16N:61.69E, h56km, ml4.6/5, Error ellipse: s-maj=5.1km s-min=3.7km az=247.0

1SC 16:19:14:51.3.0.5, 27.78N:105.05E, h50km, n133, e245/144, mb3.9/33, Southern Iran

Main table of station data for the third section, including codes like ZHFS, CHBR, CHMR, etc.

Main table of station data for the fourth section, including codes like MADH, MSFE, MSFE, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like HFS Hagfors, NC602 NORSAR Array S, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

ISCJB 16 19:20:57.4±1.0, 34.77N±0.07, 142.03E±0.09, h21km, mb3.5/4, Error ellipse: s-maj=11.1km s-min=9.3km az=139.8

JMA 16 19:20:58.6±0.4, 34.66N±1.1, 99E, h41km±5km, M3.1, Error ellipse: s-maj=4.1km s-min=2.0km az=72.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like BS01 Boso 1, BS02 Boso 2, etc.

SJA 16 19:24:20.1±0.5, 23.46S±0.7, 56W, h20km±2km, ML2.9, MW2.8

ISCJB 16 19:24:21.4±0.9, 23.41S±0.03, 70.65W±0.07, h17km±5km, Error ellipse: s-maj=11.2km s-min=4.3km az=8.9

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PB10 IPOC Station P, PB05 IPOC Station P, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PB09 Zapla, PB02 IPOC Station P, etc.

MAN 16 19:26:44.6, 9.46N±0.126, 34E, h8km, mb4.6, ML3.5, MS3.4, 1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like BUTP Butuan, MSPL Maasin, etc.

ISCJB 16 19:56:12.0±0.3, 24.23N±0.04, 122.96E±0.02, h41km±9km, Error ellipse: s-maj=6.3km s-min=2.8km az=174.2

JMA 16 19:56:12.3±0.1, 24.35N±1.22, 98E, h48km±1km, M2.1, Error ellipse: s-maj=5.1km s-min=2.6km az=104.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

ISCJB 16 20:05:00.1±0.7, 48.97S±0.10, 121.7E±0.3, h13km, mb4.0/9, MS3.4/2, Error ellipse: s-maj=29.2km s-min=10.6km az=19.8

NEIC 16 20:05:01.8±1.8, 48.99S±12.1, 46E, h16km±7km, mb4.2/8, Error ellipse: s-maj=5.1km s-min=2.6km az=104.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like TWQ1 Liyutan, WHYT Xinyi Township, etc.

ISCJB 16 20:12:07.1±1.6, 20.86S±0.03, 68.95W±0.09, h96km±13km, n18, ±0.73/32, 8C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

ISCJB 16 20:12:05.7±0.4, 20.87S±0.03, 69.0W±0.1, h108km±11km, Error ellipse: s-maj=17.5km s-min=5.1km az=1.2

GUC 16 20:12:05.7±0.6, 20.87S±0.03, 68.86W±0.06, h106km±3km, ML3.1, SJA 16 20:12:06.7±0.4, 20.94S±0.8, h4W, h2km±7km, ML2.5, MW3.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PB01 IPOC Station P, PB01 IPOC Station P, etc.

ISC 16 20:12:07.1±1.6, 20.86S±0.03, 68.95W±0.09, h96km±13km, n18, ±0.73/32, 8C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PB01 IPOC Station P, PB01 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IPOC Station P, Chuzmiza, Pisagua, Minye Minye, etc.

ISC/JB 16:20:43:17.5:0.4, 27.79N:0.02:61.86E:0.03, h73km, 3km, mb4.8/85, Error ellipse: s-maj=4.7km s-min=3.3km

MOS 16:20:43:17.4:1.0, 27.95N:61.81E, h63km, mb4.8/12, Error ellipse: s-maj=8.2km s-min=5.6km az=86.0

NEIC 16:20:43:17.9:0.0, 27.87N:61.92E, h85km, mb4.7/60, MN4.3(TEH), After TEH

IDC 16:20:43:19.7:0.5, 27.91N:61.83E, h72km, 3km, mb3.8/24, mb1.3/9.25, mb1mx3.9/40, mbmp4.1/25, Error ellipse: s-maj=13.5km s-min=10.7km az=173.0

THR 16:20:43:19.4:1.0, 27.81N:61.76E, h46km, ML4.3 TEH 16:20:43:19.2:7.91N:61.84E, h50km, ML4.6

OMAN 16:20:43:19.1:1.8, 27.83N:61.75E, h55km, mb5.0/1, ml4.5/1, Error ellipse: s-maj=39.6km s-min=14.4km az=130.0

DSN 16:20:43:24.8:1.6, 27.50N:61.53E, h30km, ML3.9/8, Error ellipse: s-maj=43.4km s-min=11.3km az=167.0

ISC 16:20:43:19.0:0.4, 27.80N:0.05:61.84E:0.04, h69km, 3km, h69km:pp-P, n254, c1946/286, mb4.5/85, 2C-6D, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Zahedan, Chabahar, Basiran, Kerman, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ghir-Karzin, Karatay Array, Karatay Array, etc.

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

16d 21h

Table with columns: Station Name, Frequency, Power, SNR, and other technical details. Includes stations like NJ2, ESK, SPA0, ES06, etc.

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like AROD, AGUA, ACCO, etc.

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like SZA, AROD, AGUA, etc.

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Table with columns: Station Name, Frequency, Power, SNR, and other technical details. Includes stations like WSAR, KHBG, SHME, etc.

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like OK002, TUL1, X37A, etc.

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like U40A, X40A, X37A, etc.

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Table with columns: Station Name, Frequency, Power, SNR, and other technical details. Includes stations like SATY, SATY, PRZ, etc.

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like ISCB, IDC, THR, etc.

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like SZA, AROD, AGUA, etc.







IDC 16 22:32:33.46.4.21.02S:178.81W, h626km, 66km, mb3.1/6, mb1 3.3/6, mb1mx2.9/41, mbtmp4.1/6, Error ellipse: s-maj=91.9km s-min=35.5km az=151.0

mb1 4.0/28, mb1mx3.9/66, mbtmp4.0/28, ML3 8/4, Error ellipse: s-maj=17.0km s-min=11.9km az=170.0

comp=Z,13nm,1.1s 16.87 337 Pn Pn 22 54 20.1 +0.6

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GHIR Ghar-Karzin, IKAZ Kazeron, SHI Shiraz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BR131 Keskin Arr, BRTR Keskin Arr, NIL Nilore, etc.

DDA 16 22:33:04.7, 37.28N, 37.12E, h7km, 2km, ML3.4

IRAM IRAM, ZNGN Zangian, ISAD Sadarabad, IMEH Mehriz, etc.

BR231 Batken, BTK Batken, KK31 Karatay Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GAZ Gaziantep, HCB Kahramanmara, KMRS Kahramanmara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPIR Pirpir, ICHK Chekchek, IZEF Zefreh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, KSH Kashi, NRYN Naryn, etc.

IDC 16 22:37:31.16.0.0, 177.2S, 167.05E, h0km, mb3.1/2, mb1 3.5/3, mb1mx3.0/3, mbtmp3.3/3, ML3.5/1, Error ellipse: s-maj=109.0km s-min=49.8km az=64.0, Vanuatu Islands

ASUD AI Ashush, Dub, MSFE Esma-Masafi, FAO AI Faqa, Dubai, etc.

AKASG Malin Array Be, AKASG Malin Array Be, KIEV Kiev, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MDH Madha, CHHM Cheshme madani, HATD Hatta, Dubai, etc.

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

ISK 16 22:48:50.9, 38.75N, 43.28E, h18km, ML2.2/4

ALNE Al Ain, ALNE Al Ain, IKMR Kamar-syah, SOHO Soho, etc.

MAKZ Makanchi, MAKZ Makanchi, MAKZ Makanchi, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ALNE Al Ain, IKMR Kamar-syah, SOHO Soho, etc.

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

ISCJB 16 22:50:23.2, 0.2, 28.35N, 0.03, 51.69E, 0.03, h24km, mb4.1/56, Error ellipse: s-maj=4.2km s-min=2.8km az=42.4

GEYT Alibeck, GYA0B ALIBECK ARRAY, SIRT Sirkak, SIRT Sirkak, etc.

WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, etc.

TEH 16 22:50:23.2, 28.41N, 51.72E, h17km, ML4.2

WSAR Wadi Sarin, GEYT Alibeck, GYA0B ALIBECK ARRAY, SIRT Sirkak, etc.

WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, etc.



DZM	comp=Z,33um,20.8s,baz=310,slo=36	LR	LR	23 13 10.8	
DZM	Mont Dzumac	29.80 131	eP	P	23 01 33.0 -0.8
DZM	comp=Z,116nm,0.8s	LR	LR		
ONTNC	Ouen Toro	29.95 131	eP	P	23 01 33.2 -1.8
ONTNC	comp=Z,106nm,0.8s	LR	LR		
BBOO	Buckleboo	30.06 191	eP	P	23 01 34.9 -0.9
BBOO	comp=Z,258nm,0.9s	LR	LR		
BBOO	Buckleboo	30.06 191	P	P	23 01 35.0 -0.9
BBOO	baz=30,SNR=142				
GRJI	Gresik	30.19 262	P	P	23 01 36.2 -1.0
HTT	Hallett	30.24 166	P	P	23 01 37.1 -0.5
HTT	baz=30,SNR=111				
OUENC	Ouen Island, N	30.30 131	eP	P	23 01 36.6 -1.6
OUENC	comp=Z,119nm,1.1s	LR	LR		
OUENC	comp=Z,23um,21.0s	LR	LR		
FORT	Forrest	30.64 205	eP	P	23 01 40.7 -0.4
FORT	comp=Z,469um,19.0s	LR	LR		
FORT	Forrest	30.64 205	P	P	23 01 41.0 -0.1
FORT	baz=31,SNR=350				
TARA	Tarawa	30.68 82	eP	P	23 01 39.9 -1.7
TARA	comp=Z,393nm,1.3s	LR	LR		
TARA	comp=Z,83um,21.0s	LR	LR		
MARNC	Mare, Loyalty	30.69 128	eP	P	23 01 42.0 +0.4
MARNC	comp=Z,285nm,1.1s	LR	LR		
MARNC	comp=Z,52um,21.0s	LR	LR		
TBJI	Tambak Boyo	30.80 262	P	P	23 01 41.7 -1.0
SBUM	Sibu	30.85 280	eP	P	23 01 43.8 +0.7
SBUM	comp=Z,230nm,1.9s	LR	LR		
SBUM	comp=Z,30um,22.0s	LR	LR		
PINNC	Pines Island,	30.87 131	eP	P	23 01 42.5 -0.6
PINNC	comp=Z,265nm,1.4s	LR	LR		
PINNC	comp=Z,19um,20.0s	LR	LR		
MGCD	Mangrove Creek	30.88 166	P	P	23 01 44.6 +1.4
MGCD	baz=31,SNR=15				
PWJI	Pagerwojo	30.97 260	P	P	23 01 42.2 -2.0
PWJI	comp=Z,221nm,0.9s,comp=Z,6um,comp=Z,43um				
NGJI	Ngawi	31.24 261	P	P	23 01 45.4 -1.1
YNG	Young	31.39 171	P	P	23 01 48.6 +0.9
YNG	baz=32,SNR=30				
PCJJI	Pacitan	31.61 260	P	P	23 01 47.7 -2.1
WOJI	Wonogiri, Jawa	31.82 260	P	P	23 01 49.7 -1.9
H11S3	WAKE ISLAND Hy	32.07 47	eP	P	23 01 54.2 +0.4
H11S3	baz=292,slo=9.2,SNR=4.1				
H11S2	WAKE ISLAND Hy	32.10 47	P	P	23 01 54.1 +0.3
H11S2	baz=292,slo=9.2,SNR=2.9				
H11S2	WAKE ISLAND Hy	32.10 47	P	P	23 01 54.2 +0.3
H11S1	WAKE ISLAND Hy	32.11 47	P	P	23 01 54.2 +0.3
H11S1	baz=292,slo=9.2,SNR=3.9				
H11S1	WAKE ISLAND Hy	32.15 153	eP	P	23 01 54.6 +0.2
LHI	Lord Howe Isla	32.15 153	eP	P	23 01 54.6 +0.2
LHI	comp=Z,109nm,1.0s	LR	LR		
LHI	comp=Z,24um,20.0s	LR	LR		
SMRI	Semarang	32.22 262	eP	P	23 01 52.9 -2.2
SMRI	comp=Z,191nm,0.7s	LR	LR		
SMRI	Semarang	32.22 262	eP	P	23 01 54.2 -1.0
UGM	Wanagama	32.22 260	eP	P	23 01 52.9 -2.3
UGM	comp=Z,1um,1.8s	LR	LR		
UGM	comp=Z,40um,21.0s	LR	LR		
UGM	Wanagama	32.22 260	P	P	23 01 53.2 -2.0
YOGI	Yogyakarta	32.43 261	P	P	23 01 55.5 -1.6
CAN	Canberra	32.49 170	eP	P	23 01 57.8 +0.5
CAN	comp=Z,103nm,0.8s	LR	LR		
CAN	comp=Z,60um,19.0s	LR	LR		
CAN	Canberra	32.49 170	eP	P	23 01 57.8 +0.5
CAN	comp=Z,103nm,0.8s	MLR	MLR		
CAN	comp=Z,60um,19.0s	MLR	MLR		
CNB	Canberra Magne	32.55 170	P	P	23 01 59.8 +1.9
CNB	baz=33,SNR=20				
WAKE	Wake Island	32.58 46	eP	P	23 01 57.5 -0.7
WAKE	comp=Z,576nm,1.8s	LR	LR		
WAKE	comp=Z,31um,21.0s	LR	LR		
KSM	Kuching	32.58 278	eP	P	23 01 58.2 -0.2
KSM	comp=Z,461nm,1.4s	LR	LR		
KSM	comp=Z,31um,18.0s	LR	LR		
MEEK	Meekatharra	32.69 222	P	P	23 01 58.2 -1.0
MEEK	baz=33,SNR=129				
JOW	Kunigami	32.92 336	P	P	23 02 03.0 +1.9
JOW	comp=Z,13nm,1.0s,baz=164,slo=13,SNR=9.4	LR	LR		
JOW	comp=Z,7um,21.4s,baz=76,slo=31	P	P	23 02 00.9 -0.1	
JOW	Kunigami	32.92 336	eP	P	23 02 00.9 -0.1
JOW	comp=Z,17nm,1.3s	LR	LR		
H11N1	WAKE ISLAND Hy	33.03 45	T	T	23 02 16.8
H11N1	baz=230,slo=76,SNR=297				
H11N2	WAKE ISLAND Hy	33.04 45	T	T	23 02 18.1
H11N2	baz=230,slo=76,SNR=231				
H11N3	WAKE ISLAND Hy	33.04 45	T	T	23 02 18.0
H11N3	baz=230,slo=76,SNR=289				
TWG	Pinlang	33.32 322	eP	P	23 02 03.0 -1.6
TWG	comp=Z,287nm,1.4s	LR	LR		
TWG	comp=Z,220um,20.0s	LR	LR		
ARPS	Mount Arapiles	33.39 181	P	P	23 02 05.3 +0.2
ARPS	baz=34,SNR=323				
YOJ	Yonaguni jima	33.45 326	eP	P	23 02 05.1 -0.7
YOJ	comp=Z,220nm,1.0s	LR	LR		
YOJ	Yonaguni jima	33.45 326	eP	P	23 02 05.1 -0.7
YOJ	comp=Z,159um,22.0s	MLR	MLR		
YOJ	comp=Z,220nm,1.0s	MLR	MLR		
GIRL	Giralla	33.56 232	eP	P	23 02 04.6 -2.3
GIRL	comp=Z,2um,1.6s	LR	LR		
GIRL	comp=Z,78um,20.0s	LR	LR		
GIRL	Giralla	33.56 232	P	P	23 02 07.3 +0.5
GIRL	baz=34,SNR=81				
YULB	Yu-li	33.61 323	eP	P	23 02 05.1 -2.1
YULB	comp=Z,99nm,1.1s	LR	LR		
YULB	comp=Z,77um,19.0s	LR	LR		
KPJI	Karang Pucung	33.73 262	P	P	23 02 07.2 -1.2
TPUB	Tapu	33.95 322	eP	P	23 02 09.1 -1.1
TPUB	comp=Z,68nm,0.8s	LR	LR		
TPUB	comp=Z,60um,20.0s	LR	LR		
NACB	Ninganchiao	34.03 324	eP	P	23 02 09.8 -1.0
NACB	comp=Z,259nm,1.1s	LR	LR		
NACB	comp=Z,94um,20.0s	LR	LR		
KMBL	Kambalda	34.11 213	P	P	23 02 11.5 0.0
KMBL	baz=34,SNR=32				
SSLB	Suangleung	34.12 323	eP	P	23 02 09.3 -2.3
SSLB	comp=Z,58nm,0.9s	LR	LR		
SSLB	comp=Z,95um,20.0s	LR	LR		
MILA	Mila	34.21 171	P	P	23 02 13.4 +1.0
MILA	baz=34,SNR=11				
TOO	Toolangi	34.29 176	eP	P	23 02 14.4 +1.4
TOO	comp=Z,277nm,1.1s	LR	LR		
TOO	comp=Z,69um,20.0s	LR	LR		
TOO	Toolangi	34.29 176	P	P	23 02 14.6 +1.6
TOO	baz=34,SNR=75				
TOO	Toolangi	34.29 176	eP	P	23 02 14.4 +1.4
TOO	comp=Z,277nm,1.1s	MLR	MLR		
TOO	comp=Z,69um,20.0s	MLR	MLR		
JCJI	Jatiwangi	34.32 263	P	P	23 02 12.9 -0.6
YHNB	Yeheng	34.54 325	eP	P	23 02 14.9 -0.4
YHNB	comp=Z,313nm,0.9s	LR	LR		

YHNB	comp=Z,108um,20.0s	LR	LR		
TATO	Taipei	34.71 325	eP	P	23 02 16.4 -0.3
TATO	comp=Z,665nm,1.1s	LR	LR		
TATO	comp=Z,115um,21.0s	LR	LR		
CISI	Cisompet, Garu	34.85 261	eP	P	23 02 15.2 -3.0
CISI	comp=Z,621nm,0.8s	LR	LR		
CISI	comp=Z,52um,21.0s	LR	LR		
CISI	Cisompet, Garu	34.85 261	P	P	23 02 15.7 -2.5
TPI	Tanjungpandan	34.87 270	P	P	23 02 18.0 -0.3
LEM	Lembang	34.99 263	P	P	23 02 18.2 -1.3
CBJI	Citeko	35.73 264	P	P	23 02 23.2 -2.4
TNG	Tangerang	35.91 264	P	P	23 02 22.5 -1.5
TNG	comp=Z,22.5	P	P	23 02 22.2 -5.1	
MORW	Morawa	36.00 222	eP	P	23 02 26.9 -1.0
MORW	comp=Z,324nm,0.9s	LR	LR		
MORW	comp=Z,140um,20.0s	LR	LR		
MORW	Morawa	36.00 222	P	P	23 02 26.8 -1.0
MORW	baz=36,SNR=168				
SKJI	Sukabumi	36.05 263	P	P	23 02 26.5 -2.0
JHJZ	Mitsune	36.23 356	LR	LR	23 02 40.0 +1.0
JHJZ	comp=Z,53um,21.0s	LR	LR		
JHJ	Hachijo jima 2	36.24 356	LR	LR	23 14 09.6
JHJ	comp=Z,43um,20.7s,baz=183,slo=31				
PPBI	Pangkal Pinang	36.40 271	P	P	23 02 31.5 0.0
QZH	Quanzhou	36.41 322	P	P	23 02 31.8 +0.5
QZH	comp=Z,160nm,0.8s	pmx	pmx		
QZH	comp=Z,9um,7.1s	LR	LR		
QZH	comp=Z,33um,21.8s	LR	LR		
QZH	comp=Z,31um,23.7s	LR	LR		
QZH	comp=Z,48um,27.0s	LR	LR		
SBJI	Serang	36.42 264	P	P	23 02 29.2 -2.4
BLDU	Balidu	36.59 219	P	P	23 02 31.9 -1.0
BLDU	baz=37,SNR=148				
KLBR	Kellerberrin	36.63 217	P	P	23 02 32.6 -0.6
KLBR	baz=37,SNR=88				
DLV	T Lat	37.08 295	eP	P	23 02 36.4 -1.0
DLV	comp=Z,118nm,1.2s	LR	LR		
DLV	comp=Z,30um,19.0s	LR	LR		
XMIS	Christmas Isla	37.32 257	eP	P	23 02 36.5 -2.8
XMIS	comp=Z,231nm,1.1s	LR	LR		
XMIS	comp=Z,17um,22.0s	LR	LR		
HKPS	Hong Kong Po S	37.60 314	eP	P	23 02 42.4 +0.8
HKPS	comp=Z,378nm,1.2s	ePP	PP		
HKPS	comp=Z,39um,18.0s	LR	LR		
KLI	Kotabumi	37.65 266	P	P	23 02 41.6 -0.5
PMBI	Palembang	37.74 269	P	P	23 02 44.9 +2.1
PMBI	comp=Z,7.07nm,1.2s,comp=Z,1.6um,comp=Z,52um				
JNU	Nakatsue	37.80 344	P	P	23 02 43.6 +0.5
JNU	comp=Z,57nm,0.9s,baz=169,slo=2.7,SNR=11	P	P	23 05 01.8 +2.1	
JNU	comp=Z,43nm,0.9s,baz=89,slo=4.0,SNR=4.1	P	P	23 16 04.9	
JNU	comp=Z,33um,21.1s,baz=154,slo=33	P	P	23 02 42.8 -0.3	
JNU	Nakatsue	37.80 344	eP	P	23 02 42.8 -0.3
JNU	comp=Z,316nm,1.2s	eP	PP		
JNU	Mundaring	37.84 218	P	P	23 05 01.8 +2.1
JNU	baz=38,SNR=41	P	P	23 02 42.8 -0.6	
NWAO	Narrogin (SRO)	37.89 216	P	P	23 02 43.8 0.0
NWAO	comp=Z,144nm,0.8s,baz=44,slo=9.5,SNR=26	P	P	23 02 43.8 0.0	
NWAO	Narrogin (SRO)	37.89 216	eP	P	23 02 43.9 0.0
NWAO	comp=Z,144nm,0.8s,baz=44,slo=9.5,SNR=26	eP	PP		
NWAO	comp=Z,144nm,0.8s,baz=44,slo=9.5,SNR=26	eP	PP		
NWAO	comp=Z,144nm,0.8s,baz=44,slo=9.5,SNR=26	eP	PP		
NWAO	comp=Z,144nm,0.8s,baz=44,slo=9.5,SNR=26	eP	PP		
NWAO	comp=Z,97um,20.0s	LR	LR		
NWAO	Narrogin (SRO)	37.89 216	P	P	23 02 43.6 -0.2
NWAO	baz=38,SNR=19				
MCO	TaiPa Grande	37.93 313	P	P	23 02 46.0 +1.7
KASI	Kota Agung	38.02 255	P	P	23 02 43.0 -2.0
DSRI	Dabo	38.06 273	P	P	23 02 41.1 +5.5
TPRI	Tanjung Pinang	38.25 276	P	P	23 02 49.1 +2.0
TPRI	comp=Z,172nm,1.1s,comp=Z,38um				
MDSI	Maura Dua	38.32 267	P	P	23 02 46.2 -1.5
LWLI	Liwa	38.45 266	P	P	23 02 49.1 +0.2
LWLI	comp=Z,165nm,0.9s	LR	LR		
GZH	Guangzhou	38.68 314	P	P	23 02 52.5 +1.9
GZH	comp=Z,165nm,0.9s	PP	PP		
GZH	comp=Z,41um,17.3s	LR	LR		
GZH	comp=Z,42um,16.9s	LR	LR		
INU	Inuyama	38.72 353	eP	P	23 02 50.2 -0.5
INU	comp=Z,318nm,1.6s	LR	LR		
INU	comp=Z,25um,20.0s	LR	LR		
LHSI	Lahat	38.97 268	P	P	23 02 52.5 -0.7
MYKOM	Kota Tinggi	39.02 277	eP	P	23 02 53.4 +0.3
MYKOM	comp=Z,348nm,1.6s	LR	LR		
MYKOM	comp=Z,34um,20.0s	LR	LR		
QIZ	Qiongzong	39.06 306	P	P	23 02 53











16d 22h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MWC, EDWZ, LVZ, etc.

2013 APR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like JOF, Y12C, DLMT, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like O20A, MCGM, MINSK, etc.

PRD	Provadia	110.40	315	iP	PP	23 14 35.8	+1.7
MNTX	Cornudas Mount	110.41	57	PFAKE	LR	23 14 10.0	+1.0
MNTX	comp-Z,8µm,20.0s						
MNTX	Cornudas Mount	110.41	57	P	PKIKP	23 13 58.0	-1.6
BURAR	Bucovina Array	110.58	320	iP	PKIKP	23 14 03.7	+4.2
LVV	L'ovov	110.58	323	eP	Pdf	23 09 53.4	-5.5
LVV				ePS	PS	23 23 54.4	-1.1
LVV				eSS	SS	23 30 06.0	+2.7
BUR08	Bucovina Ar. S	110.58	320	ePdf	Pdf	23 09 57.2	-1.9
MANT	Manisa	110.70	310	PFAKE	LR	23 14 10.0	+1.0
MANT				LR	LR		
SUMG	comp-Z,17µm,20.0s						
SUMG	Summit	110.73	0	ePdf	Pdf	23 09 58.3	-1.3
SUMG				LR	LR		
SUMG	comp-Z,6µm,20.0s						
SUMG	Summit	110.73	0	iP	PKKPbc	23 24 58.7	-2.2
SUMG	Summit	110.73	0	eP	Pdf	23 09 58.3	-1.3
SUMG				MLR	MLR		
MLR	Muntele Rosu	110.76	318	PFAKE	LR	23 14 10.0	+1.0
MLR				LR	LR		
MDND	comp-Z,15µm,20.0s						
MDND	Madlock	110.81	40	PFAKE	LR	23 14 10.0	+1.0
MDND				LR	LR		
HPDG	comp-Z,9µm,22.0s						
MDND	Madlock	110.81	40	P	PKIKP	23 13 59.0	-0.8
HDIG	baz=289						
HPDG		110.84	63	PFAKE	LR	23 14 10.0	+9.3
HPDG				LR	LR		
OGNE	comp-Z,11µm,19.0s						
OGNE	Ogallala	111.15	47	PFAKE	LR	23 14 10.0	+9.2
OGNE				LR	LR		
JMB	Yambo	111.18	314	iP	PP	23 14 42.7	+2.9
KSCO	Kaye Shedlock	111.18	49	PFAKE	LR	23 14 10.0	+9.0
KSCO				LR	LR		
MATP	Matopo	111.25	247	PKKPab	PKKPab	23 25 09.7	+2.3
MATP				PKKPab	PKKPab		
SZH	Strazhica	111.41	315	iP	PP	23 14 40.6	-0.8
KWP	Kalvaria Pacia	111.45	323	PFAKE	LR	23 14 10.0	+9.0
KWP				LR	LR		
ARR	Arges	111.67	318	iP	PKIKP	23 14 03.0	+1.4
HUMR	Humele	111.70	317	iP	PKIKP	23 14 02.8	+1.2
NB2	NORSAR Subarrat	111.71	337	P	PKIKP	23 14 03.8	+2.6
NB2				PKPab	PKPab		
NOA	NORSAR Array B11	111.71	337	Pdf	Pdf	23 10 03.4	-0.3
NOA				Pdf	Pdf		
NOA	comp-Z,1.8nm,1.0s,baz=52,slow=4.7,SNR=3.4						
NOA				PKIKP	PKIKP	23 14 02.1	+0.9
NOA	comp-Z,2.5nm,1.0s,baz=57,slow=1.6,SNR=4.3						
NOA				PFAKE	PFAKE	23 14 10.0	+7.2
MBAR	Mbarara	111.76	268	PFAKE	LR	23 14 10.0	+7.8
MBAR				LR	LR		
ALN	Alexandroupoli	111.99	313	PFAKE	LR	23 14 10.0	+7.8
ALN				LR	LR		
UZH	Uzhgorod	112.07	322	eP	Pdf	23 10 07.5	+2.0
UZH				i	PPP	23 14 02.3	
UZH				e	PPP	23 17 16.9	
UZH				e	PPP	23 20 48.0	
UZH				e	PPP	23 24 13.8	
UZH	comp=N,1µm,20.0s						
UZH				MLR	MLR		
UZH	comp=E,2µm,20.0s						
UZH				MLR	MLR		
BOSA	Bosof	112.10	237	PKIKP	PKIKP	23 14 02.6	-0.4
BOSA				PKIKP	PKIKP		
BOSA	comp-Z,6.2nm,1.1s,baz=115,slow=3.8,SNR=4.8						
BOSA				PP	PP	23 14 45.5	-1.4
BOSA	comp-Z,1.0nm,1.1s,baz=122,slow=2.0,SNR=1.9						
BOSA				PKKPab	PKKPab	23 24 59.3	-4.4
MSTX	Muleshoe	112.17	55	PFAKE	LR	23 14 10.0	+7.1
MSTX				LR	LR		
MSTX	comp-Z,12µm,21.0s						
MSTX	Muleshoe	112.17	55	P	PKIKP	23 14 01.6	-1.3
ULM	Lac du Bonnet	112.23	36	PKIKP	PKIKP	23 14 01.6	-0.8
ULM				PKIKP	PKIKP		
ULM	comp-Z,5.8nm,0.9s,baz=31,slow=3.8,SNR=10						
KDZ	Kurdzhali	112.24	314	iP	PP	23 14 53.0	+5.6
TXAR	Lajitas Array	112.25	60	Pdf	Pdf	23 10 09.5	+2.6
TXAR				Pdf	Pdf		
TXAR	comp-Z,2.5nm,1.0s,baz=315,slow=0.5,SNR=11						
TXAR				PKKPbc	PKKPbc	23 24 54.5	+0.1
TXAR	comp-Z,0.9nm,0.7s,baz=103,slow=4.4,SNR=7.2						
TXAR				PKKPab	PKKPab	23 25 01.4	-1.2
KARP	Karpathos	112.44	307	PFAKE	LR	23 14 10.0	+6.7
KARP				LR	LR		
LSZ	Lusaka	112.53	252	PKKP	PKKPab	23 25 08.8	+7.1
LSZ				PKKPab	PKKPab		
LSZ	comp-Z,1.1nm,1.1s,baz=247,slow=4.3,SNR=6.9						
LSZ				PFAKE	PFAKE	23 14 20.0	+1.6
RZN	Rozhen	112.73	314	iP	PP	23 14 52.1	+1.0
AMTX	Amarillo	112.86	53	PFAKE	LR	23 14 20.0	+1.6
AMTX				LR	LR		
AMTX	comp-Z,9µm,21.0s						
AMTX	Amarillo	112.86	53	P	PKIKP	23 14 03.4	-0.8
AMTX				baz=293			
PGB	Panagyurishte	112.86	315	iP	PP	23 14 53.5	+1.6
ZGR	Gura Zlata	112.90	318	iP	PKIKP	23 14 05.0	+1.1
OJC	Ojcow	112.95	324	ePdf	Pdf	23 10 06.1	-3.4
OJC				ePdf	Pdf	23 10 06.1	-3.4
NIE	Niedzica	112.98	323	ePKIKP	PKIKP	23 14 03.9	0.0
NIE				PKIKP	PKIKP		
AGMN	Agassiz Nation	112.98	38	PFAKE	LR	23 14 20.0	+1.6
AGMN				LR	LR		
AGMN	comp-Z,12µm,22.0s						
AGMN	Agassiz Nation	112.99	38	P	PKIKP	23 14 03.1	-0.8
AGMN				baz=293			
GKP	Gorka Klasztor	113.05	328	ePdf	Pdf	23 10 11.1	+1.3
GKP				ePdf	Pdf	23 10 11.1	+1.3
KONO	Kongsberg	113.19	336	PFAKE	LR	23 14 20.0	+1.6
KONO				LR	LR		
SIRR	Siria	113.33	320	iP	PKIKP	23 14 03.6	-1.1
BSD	Bornholm Skovb	113.34	330	iP	Pdf	23 10 12.1	+1.1
BSD				iP	Pdf	23 10 12.1	+1.1
CBKS	Cedar Bluff	113.42	49	PFAKE	LR	23 14 20.0	+1.5
CBKS				LR	LR		
CBKS	comp-Z,8µm,20.0s						
MTB	Musomiste	113.47	314	iP	PP	23 14 56.9	+0.7
VVTOS	Vitosha	113.50	315	PFAKE	LR	23 14 20.0	+1.5
VVTOS				LR	LR		
VTS	Vitosha	113.50	315	iP	PP	23 14 57.1	+0.6
LANS	Liptovska Anna	113.59	323	ePKIKP	PKIKP	23 14 09.8	+4.7
LANS				PKIKP	PKIKP	23 14 09.8	+4.7
MDVR	Moldovita	113.82	318	iP	PKIKP	23 14 06.1	+0.4
MDVR				PKIKP	PKIKP		
PSZ	Piszkesteto	113.82	322	PFAKE	LR	23 14 20.0	+1.4
PSZ				LR	LR		
PSZ	comp-Z,20µm,22.0s						
PSZ	Piszkesteto	113.82	322	ePKPdf	PKIKP	23 14 10.0	+4.4
BGNE	Belgrade	113.84	46	PFAKE	LR	23 14 20.0	+1.4
BGNE				LR	LR		
KKB	Krucnik	113.84	315	iP	PP	23 14 59.0	+0.2
RAC	Raciborz	113.94	324	Pdf	Pdf	23 10 16.2	+2.4
RAC				e	PP	23 15 00.8	
RAC				ePS	PS	23 24 36.6	-0.1
OKC	Ostrava-Krasne	114.08	324	eP	Pdf	23 10 15.8	+1.3
OKC				e	PP	23 15 04.4	
OKC				e	PP	23 17 24.0	
OKC				e	PP	23 20 54.3	
OKC	comp-Z,14µm,18.2s						
OKC	Ostrava-Krasne	114.08	324	ePdf	Pdf	23 10 15.8	+1.3
OKC				ePKP	PKIKP	23 14 07.2	+1.3
OKC				e	PP	23 14 52.3	
OKC				e	PP	23 15 04.4	+4.3
OKC				e	PP	23 20 54.3	+2.5
OKC				eSKS	SKKSac	23 22 02.8	+1.1
OKC				eSKS	SKKSac	00 06 10.0	
ZAIG	Zacatecas	114.14	67	PFAKE	LR	23 14 20.0	+1.3

ZAIG	comp-Z,11µm,22.0s						
ECSO	EROS Data Cent	114.16	43	PFAKE	LR	23 14 20.0	+1.4
ECSO				LR	LR		
ECSO	comp-Z,6µm,20.0s						
ECSO	EROS Data Cent	114.16	43	P	PKPpdf	23 14 05.6	-0.7
YYHS	Yyhne	114.24	323	ePKIKP	PKIKP	23 14 08.0	+1.7
YYHS				ePKIKP	PKIKP	23 14 08.0	+1.7
RGH	Rugen	114.24	330	PFAKE	LR	23 14 20.0	+1.4
RGH				LR	LR		
MORC	Moravsky Berou	114.46	324	PFAKE	LR	23 14 20.0	+1.3
MORC				LR	LR		
MORC	comp-Z,17µm,20.0s						
MORC	Moravsky Berou	114.46	324	iP	PKIKP	23 14 06.1	-0.6
MORC				ePKP	PKPpdf	23 14 06.8	+0.1
MORC	Moravsky Berou	114.46	324	ePKP	PP	23 15 02.4	-0.5
MORC				e	PP	23 22 52.9	
MORC				e	PP	23 24 58.2	-9.2
MORC				e	PP	23 14 20.0	+1.2
MORC	Sutherland	114.51	232	PFAKE	LR	23 14 20.0	+1.2
MORC				LR	LR		
U32A	Winter Ranch	114.62	51	PFAKE	LR	23 14 20.0	+1.3
U32A				LR	LR		
KRLC	Kraliky	114.77	325	AMS	AMS	00 04 30.0	
KRLC	comp-Z,5µm,21.9s						
JAVC	Velka Javorina	114.78	323	ePKP	PKPpdf	23 14 08.5	+1.1
JAVC				ePKP	PKPpdf	23 15 06.3	+1.1
JAVC				e	PP	23 22 59.1	
JAVC				ePS	PKKPbc	23 24 42.4	-3.9
LIT	Litokhoron	114.81	313	PFAKE	LR	23 14 20.0	+1.2
LIT				LR	LR		
SRO	Srobarova	114.84	322	ePKIKP	PKPpdf	23 14 07.7	+0.3
SRO				ePKIKP	PKPpdf	23 14 07.7	+0.3
DPC	Dobruska-Polom	114.90	325	ePKP	Pdf	23 10 19.4	+1.2
DPC				e	PP	23 14 08.0	
DPC				e	PP	23 17 28.8	
DPC				e	PP	23 20 57.4	
DPC				e	MLR	23 24 47.8	
DPC	comp-Z,26µm,21.3s						
DPC	Dobruska-Polom	114.90	325	ePdf	Pdf	23 10 19.4	+1.2
DPC				ePKP	PKPpdf	23 14 08.0	+0.4
DPC				e	PP	23 14 58.4	
DPC				e	PP	23 15 04.8	-1.2
DPC				e	PP	23 17 28.8	
DPC				e	SKKSac	23 20 57.4	+2.3
DPC				e	SKKSac	23 22 04.4	-3.0
DPC				e	SKKSac	23 22 51.4	
DPC				e	SKKSac	23 24 47.8	+1.9
DPC				e	AMS	00 04 50.0	
UPC	Udice	115.00	326	eP	Pdf	23 10 17.5	-1.1
UPC				e	PP	23 14 08.2	
UPC				e	MLR	23 15 05.5	
UPC							

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes entries like GEC2 GERES Array S, GEC2 GERES Array S, GEC2 GERES Array S, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes entries like TRI comp=Z,14um,21.0s, E42A Champion, N40A Mertzlake, Sal, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes entries like DAVA Damuels, DAVA comp=Z,5.4nm,1.1s, K43A Burlington, etc.

PVMO	Portageville	121.73	49	PFAKE LR	LR	23 14 30.0 +8.8
G47A	Hilma	121.76	37	P	PKPdf	23 14 20.3 -0.5
K46A	Dorr	121.80	40	P	PKPdf	23 14 19.5 -1.5
H47A	Mic	121.84	38	P	PKPdf	23 14 19.9 -1.2
D48A	Paudash Townsh	121.85	34	P	PKPdf	23 14 20.0 -1.0
Q45A	Warren Harvey	121.88	45	P	PKPdf	23 14 21.0 -0.3
NRS	Narsarsuaq	121.89	5	ePKPDL	PKPdf	23 14 20.5 -0.1
NRS	Narsarsuaq	121.89	5	ePKIKP MLR	PKPdf	23 14 20.5 -0.1
P45A	Graceland, Par	121.91	47	ePKPdf P	PKPdf	23 14 21.2 -0.1
P45A	Graceland, Par	121.91	45	P	PKPdf	23 14 20.8 -0.5
SPIN	Lafayette	121.99	43	ePKPdf LR	PKPdf	23 14 21.3 -0.1
SPIN	Lafayette	121.99	43	P	PKPdf	23 14 20.3 -1.1
OLIL	Olney	121.99	45	ePKPdf LR	PKIKP LR	23 14 21.9 +0.2
N46A	Monticello	122.00	43	P	PKPdf	23 14 20.2 -1.2
CMIG	Matias Romero	122.01	72	PKPKPbc		23 24 19.6 +0.3
MET	Memphis-Engin	122.02	50	PFAKE LR	LR	23 14 30.0 +8.2
M46A	Old House Fiel	122.03	42	ePKPdf LR	PKPdf	23 14 21.4 -0.1
M46A	Old House Fiel	122.03	42	P	PKPdf	23 14 20.6 -0.9
E48A	Loekeyer	122.04	35	P	PKPdf	23 14 20.9 -0.5
R45A	Skylar, Fairfri	122.04	46	P	PKPdf	23 14 20.9 -0.7
D49A	Beulah Townshi	122.05	34	P	PKPdf	23 14 21.0 -0.4
S45A	Carrier Mills	122.07	47	P	PKPdf	23 14 20.6 -1.1
GLAT	Glass	122.09	49	PFAKE LR	LR	23 14 30.0 +8.1
SEININ	Lac Senin/Sane	122.11	325	ePKPdf LR	PKIKP LR	23 14 21.9 0.0
F48A	Evansville	122.14	36	P	PKPdf	23 14 21.2 -0.4
J47A	Summer	122.15	39	P	PKPdf	23 14 20.9 -0.8
WDD	Wied Dalam	122.17	311	PFAKE LR	LR	23 14 30.0 +7.9
HALT	Halls	122.19	49	PFAKE LR	LR	23 14 30.0 +7.9
P46A	Rosedale	122.24	44	P	PKPdf	23 14 20.9 -1.0
T45A	Paducah	122.28	48	PFAKE LR	LR	23 14 30.0 +7.7
K47A	Vermontville	122.32	40	P	PKPdf	23 14 21.5 -0.5
H46A	Harrisville	122.33	37	P	PKPdf	23 14 21.4 -0.6
Q48A	CEJHS Indians	122.39	45	P	PKPdf	23 14 20.3 -2.0
CLTB	Caltabellotta	122.47	313	ePKPdf LR	PKIKP LR	23 14 24.2 +1.4
F49A	Sandfield	122.51	36	P	PKPdf	23 14 20.9 -1.4
L47A	Sherwood	122.52	41	P	PKPdf	23 14 21.7 -0.8
M47A	Cromwell	122.54	42	P	PKPdf	23 14 20.9 -1.6
VBMS	Vicksburg	122.55	54	PFAKE LR	LR	23 14 30.0 +7.1
EF1	East Falkland	122.56	165	PFAKE LR	LR	23 14 30.0 +7.6
USIN	University of	122.62	46	ePKPdf LR	PKPdf	23 14 22.4 -0.4
OXF	Oxford	122.64	51	PFAKE LR	LR	23 14 30.0 +6.9
O47A	Sheridan	122.68	43	P	PKPdf	23 14 22.0 -0.8
HOPE	Hope Point	122.69	181	PFAKE LR	LR	23 14 30.0 +7.4
S46A	Don Dixon Farm	122.70	46	P	PKPdf	23 14 21.0 -1.9
N47A	Urbana	122.71	42	P	PKPdf	23 14 21.6 -1.2
J48A	Bridge Port	122.77	39	P	PKPdf	23 14 22.2 -0.7
K46A	Perry	122.81	40	P	PKPdf	23 14 21.9 -1.1
T48A	Princeton	122.83	47	P	PKPdf	23 14 22.5 -0.6
E50A	Wahnapiite	122.89	34	P	PKPdf	23 14 22.5 -0.5
U46A	Springville	122.89	48	P	PKPdf	23 14 22.5 -0.8
BLO	Bloomington	122.92	44	ePKPdf LR	PKPdf	23 14 23.2 -0.1
P47A	Martinsville	122.95	44	P	PKPdf	23 14 22.9 -0.5
I49A	Point Hope	123.03	38	ePKPdf LR	PKIKP LR	23 14 24.8 +1.2
I49A	Point Hope	123.03	38	P	PKPdf	23 14 23.1 -0.2
L48A	N Adams	123.04	41	P	PKPdf	23 14 22.7 -0.8
M48A	Edgerton	123.08	41	ePKPdf LR	PKPdf	23 14 22.6 -1.0
M48A	Edgerton	123.08	41	P	PKPdf	23 14 22.7 -0.8
Q47A	Bedord North L	123.09	45	P	PKPdf	23 14 23.0 -0.6
TOBO	Tobermory, Bru	123.11	36	P	PKPdf	23 14 22.7 -0.8
J49A	Marlette	123.14	39	P	PKPdf	23 14 22.4 -1.2
V46A	Holladay	123.15	49	P	PKPdf	23 14 21.9 -1.9
N48A	Decatur	123.17	42	P	PKPdf	23 14 22.3 -1.4
BNI	Bardonecchia	123.20	324	ePKPdf LR	PKPdf	23 14 23.1 -0.8
BNI	Bardonecchia	123.20	324	PKIKP P	PKPdf	23 14 23.1 -0.8
W46A	Michie	123.20	50	P	PKPdf	23 14 23.0 -0.9
WVT	Waverly	123.23	48	ePKPdf LR	PKPdf	23 14 21.8 -2.2
WVT	Waverly	123.23	48	ePKIKP MLR	PKPdf	23 15 53.8 -1.0
WVT	Waverly	123.23	48	P	PKPdf	23 14 21.8 -2.2
WVT	Waverly	123.23	48	P	PKPdf	23 14 22.3 -1.7
D51A	Lot 18 Range I	123.25	33	P	PKPdf	23 14 22.8 -0.9

X46A	Booneville	123.26	50	P	PKPdf	23 14 23.1 -0.9
LSQO	Lebel-sur-Quev	123.27	30	P	PKPdf	23 14 22.6 -1.1
SCHO	Schefferville	123.29	20	PKP	PKIKP	23 14 23.7 -0.1
SCHO	Schefferville	123.29	20	ePKPbc	PKPKPbc	23 24 15.4 +0.1
SCHO	Schefferville	123.29	20	ePKPbc	PKPKPbc	23 14 24.7 +0.9
R47A	Wooly Knot Far	123.29	45	P	PKPdf	23 14 23.2 -0.8
S47A	Hartford	123.34	46	P	PKPdf	23 14 23.5 -0.6
AAM	Ann Arbor	123.36	40	ePKPdf LR	PKPdf	23 14 23.7 -0.3
AAM	Ann Arbor	123.36	40	ePKIKP MLR	PKPdf	23 14 23.7 -0.3
AAM	Ann Arbor	123.36	40	P	PKPdf	23 14 23.2 -0.9
O48A	Farmland	123.37	43	P	PKPdf	23 14 23.4 -0.7
L49A	Milan	123.39	40	P	PKPdf	23 14 23.3 -0.8
T47A	Sharon Grove	123.42	47	ePKPdf LR	PKPdf	23 14 24.0 -0.3
T47A	Sharon Grove	123.42	47	P	PKPdf	23 16 04.0 -1.1
G007	Milladeo Hill,	123.48	149	PFAKE LR	LR	23 14 40.0 +15
WCI	Wyandotte Cave	123.49	45	ePKPdf LR	PKPdf	23 14 24.0 -0.4
WCI	Wyandotte Cave	123.49	45	ePKIKP MLR	PKPdf	23 14 24.0 -0.4
WCI	Wyandotte Cave	123.49	45	P	PKPdf	23 14 23.2 -1.2
PLAL	Pickwick Lake	123.49	50	ePKPdf LR	PKPdf	23 14 23.2 -1.2
PLAL	Pickwick Lake	123.49	50	P	PKPdf	23 16 00.6 -5.1
U47A	Clarksville	123.51	48	P	PKPdf	23 14 23.1 -1.3
E51A	G1948 Merrick	123.52	34	P	PKPdf	23 14 22.5 -1.7
P48A	Milroy	123.55	44	P	PKPdf	23 14 23.2 -1.3
M49A	Liberty Center	123.57	41	P	PKPdf	23 14 23.3 -1.1
Q48A	North Vernon	123.58	44	P	PKPdf	23 14 23.7 -0.8
V47A	Nunnely	123.58	48	P	PKPdf	23 14 23.4 -1.3
VLD0	Vai d'Or	123.63	31	ePKPdf	PKPdf	23 14 23.2 -1.2
F51A	Arnstern	123.64	34	P	PKPdf	23 14 22.7 -1.7
BASO	Merville Lake	123.65	36	P	PKPdf	23 14 24.0 -0.5
N49A	Columbus Grove	123.70	42	ePKPdf LR	PKPdf	23 14 24.5 -0.2
N49A	Columbus Grove	123.70	42	P	PKPdf	23 14 24.2 -0.6
R48A	Northridge Ran	123.71	45	P	PKPdf	23 14 24.1 -0.7
W47A	Westpoint	123.75	49	P	PKPdf	23 14 23.7 -1.3
KLBO	Kilbear Provi	123.80	35	P	PKPdf	23 14 23.9 -0.9
X47A	Russelville	123.83	50	P	PKPdf	23 14 23.1 -2.1
D52A	ZEK Kipawa Sen	123.84	33	P	PKPdf	23 14 23.4 -1.4
CLF	Chambon-Foret	123.86	329	ePKPdf LR	PKIKP LR	23 14 26.0 +0.9
T48A	Bowling Green	123.89	47	P	PKPdf	23 14 23.6 -1.6
S48A	Wiedeman Farm,	123.90	46	P	PKPdf	23 14 24.1 -1.1
O49A	Covington	123.95	42	ePKPdf LR	PKPdf	23 14 24.9 -0.4
O49A	Covington	123.95	42	P	PKPdf	23 14 23.6 -1.6
CHGO	Chibougamaun	123.95	28	P	PKPdf	23 14 23.6 -1.3
BWLO	Walkerton	123.96	37	P	PKPdf	23 14 23.9 -1.2
DSB	Dublin	123.96	338	PFAKE LR	LR	23 14 40.0 +15
P49A	Miami Univ. Ec	124.00	43	P	PKPdf	23 14 24.8 -0.6
L50A	Kingsville	124.03	40	P	PKPdf	23 14 23.5 -1.8
U48A	Cassie Pea, Po	124.03	47	P	PKPdf	23 14 23.9 -1.6
F52A	Sundridge	124.05	34	P	PKPdf	23 14 23.2 -2.1
Q49A	Aurora	124.12	44	P	PKPdf	23 14 24.5 -1.1
E52A	Mattawa	124.13	34	P	PKPdf	23 14 24.0 -1.4
V48A	Smith Brothers	124.14	48	ePKPdf LR	PKPdf	23 14 24.6 -1.1
V48A	Smith Brothers	124.14	48	P	PKPdf	23 14 24.5 -1.3
147A	Livingston	124.18	52	ePKPdf LR	PKIKP LR	23 14 26.7 +0.5
147A	Livingston	124.18	52	P	PKPdf	23 16 03.7 -6.7
147A	Livingston	124.18	52	P	PKPdf	23 14 25.5 -0.4
I51A	Listowel	124.20	37	P	PKPdf	23 14 24.9 -0.8
M50A	Fremont	124.21	41	ePKPdf LR	PKPdf	23 14 24.6 -1.1
M50A	Fremont	124.21	41	P	PKPdf	23 14 25.1 -0.5
BUKO	Buck Lake	124.22	35	P	PKPdf	23 14 24.8 -0.8
R49A	Shelbyville	124.25	45	P	PKPdf	23 14 25.2 -0.6
W48A	Pulaski	124.29	49	P	PKPdf	23 14 24.5 -1.5
PLIO	Pelee Island,	124.30	40	P	PKPdf	23 14 24.5 -1.4
SSB	Saint Sauveur	124.31	325	ePKPdf LR	PKPdf	23 14 25.5 -0.4
ELFO	Elginfield	124.36	38	P	PKPdf	23 14 24.9 -1.0
S49A	Springfield	124.39	45	P	PKPdf	23 14 24.9 -1.2
H52A	Wyevale	124.40	36	P	PKPdf	23 14 25.6 -0.4
O50A	Nevada	124.45	41	P	PKPdf	23 14 25.0 -1.2
N50A	Nevada	124.46	41	P	PKPdf	23 14 24.7 -1.5
X48A	Hartselle	124.48	50	ePKPdf LR	PKPdf	23 14 25.2 -1.2
X48A	Hartselle	124.48	50	P	PKPdf	23 14 24.5 -1.9
K51A	Iron Station	124.50	38	P	PKPdf	23 14 24.8 -1.3
T49A	Edmonton	124.52	46	ePKPdf LR	PKPdf	23 14 25.4 -1.0
T49A	Edmonton	124.52	46	P	PKPdf	23 16 07.9 -4.5
T49A	Edmonton	124.52	46	P	PKPdf	23 14 24.8 -1.6
Y48A	Jasper	124.59	50	P	PKPdf	23 14 25.1 -1.5

U49A	Red Boiling Sp	124.59	47	P	PKPdf	23 14 25.5 -1.0
P50A	Jamestown	124.59	43	P	PKPdf	23 14 25.3 -1.2
E53A	Dunlop, Pont	124.61	33	P	PKPdf	23 14 25.5 -0.8
D54A	Lac Fusel, La	124.66	32	P	PKPdf	23 14 25.0 -1.4
ALGO	Algonquin Park	124.66	34	P	PKPdf	23 14 24.5 -1.9
CCIG	Comitan	124.72	72	PFAKE LR	LR	23 14 40.0 +12
148A	Greensboro	124.74	52	P	PKPdf	23 14 26.1 -0.9
SADO	Sadowa	124.76	35	PKP	PKPdf	23 14 26.6 0.0
SADO	Sadowa	124.76	35	ePKPdf LR	PKPdf	23 14 26.1 -0.5
M51A	Elyria	124.80	40	P	PKPdf	23 14 25.1 -1.7
W49A	Belvidere	124.81	49	P	PKPdf	23 14 25.1 -1.9
V49A	McMinville	124.81	48	P	PKPdf	23 14 25.8 -1.2
Q50A	Georgetown	124.83	44	P	PKPdf	23 14 25.6 -1.3
ACSO	Alum Creek Sta	124.84	42	ePKPdf LR	PKPdf	23 14 26.5 -0.4
ACSO	Alum Creek Sta	124.84	42	P	PKPdf	23 14 26.4 -0.4
E54A	Lac Daplat, Po	124.84	33	P	PKPdf	23 14 24.8 -2.0
J52A	Paris	124.85	37	P	PKPdf	23 14 25.6 -1.2
G53A	Haliburton	124.85	35	P	PKPdf	23 14 25.1 -1.7
R50A	Paris	124.85	44	P	PKPdf	23 14 26.0 -1.0
ACTO	Acton	124.89	37	P	PKPdf	23 14 26.0 -0.9
N51A	Ashland	124.89	41	ePKPdf LR	PKPdf	23 14 26.7 -0.3
N51A	Ashland	124.89	41	P	PKPdf	23 14 26.3 -0.7
X49A	Woodville	125.00	49	P	PKPdf	23 14 26.2 -1.2
SWET	Sewanee	125.01	48	ePKPdf LR	PKPdf	23 14 26.5 -1.0
LRLAL	Lakeview Retre	125.05	51	ePKPdf LR	PKPdf	23 14 26.0 -1.6
LRLAL	Lakeview Retre	125.05	51	P	PKPdf	23 14 26.0 -1.6
T50A	Nancy	125.05	46	P	PKPdf	23 14 26.1 -1.4
S50A	Richmond					



16d 22h

Table with columns: Call Sign, Name, Frequency, Power, Status, and other details. Includes entries like ALY, ALEghny Cole, J54A, V51A, etc.

2013 APR

Table with columns: Call Sign, Name, Frequency, Power, Status, and other details. Includes entries like G006, ABSA, MCWV, etc.

956

Table with columns: Call Sign, Name, Frequency, Power, Status, and other details. Includes entries like 155A, V56A, 554A, etc.

Table with columns: ID, Name, Value, Unit, Status, Location, Date, and other details. Includes entries like 857A Zephyrhills, WES Weston, BCX Boston College, etc.

Table with columns: ID, Name, Value, Unit, Status, Location, Date, and other details. Includes entries like EVO Evora, CEU Ceuta, PBEJ Beja, etc.

Table with columns: ID, Name, Value, Unit, Status, Location, Date, and other details. Includes entries like BBSR BB Station, MNMC Minye Minye, MARP Paez Belalcázar, etc.





17d 1h

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, QIZ, LR, LR, SHLS, and various numerical values. The table lists numerous stations and their associated data points across multiple columns.

TKM2	SNR=29	25.97	317	P	P	01 51 31.1 +2.0
TKM2	comp-Z,35nm,1.4s					
KUU	Kury	26.07	319d	iP	S	01 51 31.3 +1.6
KUU	comp-Z,64nm,1.6s					
KUU	comp-E,333nm,6.1s					
KUU	comp-Z,278nm,9.0s					
KUU	comp-Z,64nm,1.6s	26.07	319	iP	P	01 51 31.3 +1.6
KUU	comp-Z,333nm,6.1s					
KUU	comp-Z,278nm,9.2s					
KBK	Karagaybulak	26.23	316	P	P	01 51 34.7 +3.3
UCH	Uchtor	26.29	314	P	P	01 51 34.6 +2.3
SBUM	Sibu	26.29	151	eP	P	01 51 31.2 -0.7
KSM	Kuching	26.40	156	eP	P	01 51 32.3 -0.6
KSM	comp-Z,21nm,0.7s					
KS15	Wonju Array S	26.47	57	eP	PcP	01 54 55.4 -3.2
IRK	Irkutsk	26.47	6	eP	P	01 51 35.0 +1.7
IRK	comp-Z,70nm,1.9s					
KSRS	Korea Array	26.50	57	P	P	01 51 34.2 +0.6
KSRS	comp-Z,2.4nm,0.9s,baz=194,slow=7.0,SNR=5.1					
AAK	Ala-Archa	26.51	315	P	P	01 51 35.7 +1.8
AAK	comp-Z,19nm,0.8s,baz=114,slow=6.1,SNR=46					
AAK	Ala-Archa	26.51	315	eP	P	01 51 36.4 +2.5
AAK	SNR=29					
AAK	Ala-Archa	26.51	315	eP	P	01 51 35.8 +1.8
AAK	comp-Z,27nm,1.5s					
AAK	Ala-Archa	26.51	315deP	P	P	01 51 36.4 +2.5
AAK	comp-Z,51nm,1.3s					
AAK	Ala-Archa	26.51	315	P	P	01 51 36.5 +2.5
AAK	SNR=29					
CHMS	Chumysh	26.53	316	P	P	01 51 36.0 +2.0
AML	Almayashu	26.77	314	P	P	01 51 38.9 +2.3
USP	Ospenovka	26.83	316	P	P	01 51 38.8 +2.1
SGDS	Sogindiy	26.85	317	iP	P	01 51 38.4 +1.6
SGDS	comp-Z,55nm,1.6s					
ARSB	Arslanbob	26.87	311	eP	LR	02 03 39.3
ARSB	comp-Z,281nm,11.5s					
EKS2	Erkin-Say	26.98	311	eP	P	01 51 40.7 +2.6
EKS2	comp-Z,17nm,0.9s					
SISI	Saibi	27.14	181	P	P	01 51 38.9 -0.6
CN2	Changchun	27.45	43	eS	S	01 51 46.9 +4.8
CN2	comp-Z,10.0nm,1.3s					
CN2	comp-Z,400nm,10.0s					
CN2	comp-Z,3um,16.0s					
CN2	comp-Z,2um,16.0s					
CN2	comp-Z,2um,16.0s					
KBL	Kabul	27.75	295	eP	P	01 51 46.0 +0.8
KBL	comp-Z,38nm,1.1s					
KBL	Kabul	27.75	295	eP	P	01 51 46.0 +0.8
KBL	comp-Z,38nm,1.1s					
JNU	Nakatsue	27.97	68	P	P	01 51 47.3 +0.3
JNU	comp-Z,14nm,0.9s,baz=153,slow=14,SNR=2.6					
JNU	Nakatsue	27.97	68	eP	P	01 51 47.3 +0.3
IPB	Pangkal Pinang	28.64	166	P	P	01 51 55.8 +2.8
IUG	Iuzhnyy	29.22	311	eP	P	01 51 58.0 -0.1
IUG	comp-Z,13nm,1.2s					
IUG	Iuzhnyy	29.22	311	eP	P	01 51 58.0 -0.1
IUG	comp-Z,13nm,1.2s					
KK31	Karatay Array	29.30	313	eP	P	01 52 00.6 +1.9
KK31	comp-Z,12nm,1.3s					
KK31	Karatay Array	29.30	313	eP	PcP	01 55 04.2 -1.1
KK31	comp-Z,12nm,1.3s					
KKAR	Karatay Array	29.30	313	eP	P	01 52 00.6 +1.9
KKAR	comp-Z,12nm,1.3s					
KKAR	Karatay Array	29.30	313	eP	PcP	01 55 04.2 -1.1
KKAR	comp-Z,12nm,1.3s					
KURBB	Kurchatov Arra	29.53	332	eP	P	01 52 01.6 +1.3
KURBB	comp-Z,3.9nm,0.8s,baz=145,slow=9.3,SNR=57					
KURBB	Kurchatov	29.53	332	eP	PcP	01 55 03.9 -1.7
KURBB	comp-Z,4.6nm,1.0s,baz=148,slow=2.2,SNR=10					
KURBB	Kurchatov	29.53	332	eP	ScP	01 58 46.1 -1.4
KURK	Kurchatov	29.53	332	eP	P	01 52 01.8 +1.2
KURK	comp-Z,13nm,0.8s					
KURK	Kurchatov	29.53	332	eP	P	01 52 01.9 +1.2
KURK	comp-Z,23nm,1.3s					
KURK	Kurchatov	29.53	332	eP	P	01 52 01.8 +1.2
KURK	SNR=7.9					
TPI	Tanjungpandan	29.57	164	P	P	01 52 01.1 -0.1
ZAA0	Zalesovo Array	30.06	342	eP	P	01 52 06.2 +1.0
ZAA0	comp-Z,27nm,1.3s					
ZALV	Zalesovo Beam	30.06	342	eP	P	01 52 06.3 +1.0
ZALV	comp-Z,6.8nm,0.9s,baz=156,slow=10,SNR=27					
ZALV	Zalesovo Beam	30.06	342	eP	P	01 52 06.1 +0.8
ZALV	comp-Z,6.8nm,0.9s,baz=156,slow=10,SNR=27					
ZALV	Zalesovo Array	30.07	342	eP	P	01 52 06.3 +1.0
WDSI	Waura Dua	30.58	171	P	P	01 52 08.6 -1.6
OTUK	Ortayu	30.88	323	P	P	01 52 13.2 +0.6
NVS	Novosibirsk	31.29	342	eP	P	01 52 17.5 +1.4
NVS	comp-E,12nm,1.3s					
NVS	comp-Z,20nm,1.3s					
NVS	comp-N,19nm,1.4s					
BRZS	Berezinski	31.77	326	eP	P	01 52 20.0 -0.4
BRZS	comp-Z,20nm,1.1s					
BRZS	comp-Z,174nm,11.6s					
BRZS	Berezinski	31.77	326	eP	P	01 52 20.0 -0.4
BRZS	comp-Z,20nm,1.6s					
BRZS	comp-Z,174nm,11.1s					
USRK	Ussuriysk Ar.	31.80	47	P	P	01 52 19.1 -1.6
BOD	Bodaibo	33.42	14	iP	P	01 52 34.6 -0.1
BOD	comp-Z,23nm,1.3s					
KLR	Kul'dur	34.00	38	iP	P	01 52 37.2 -2.7
KLR	comp-Z,6.0nm,1.4s					
MAJO	Matsushiro	34.36	63	eP	P	01 52 42.0 -1.2
MAJO	comp-Z,5.7nm,1.1s,baz=262,slow=9.4,SNR=7.3					
MJAR	Matsushiro Arr	34.36	63	eP	P	01 52 42.0 -1.2
MJAR	comp-Z,0.8nm,0.3s,baz=267,slow=11,SNR=4.3					
MJAR	comp-Z,832nm,18.4s,baz=235,slow=39					
SMRI	Semarang	34.43	161	eP	P	01 52 45.4 +1.4
ZEA	Zeya	34.47	29	eP	P	01 52 49.0 +5.1
ZEA	comp-Z,28nm,1.2s					
ZEA	comp-Z,2um,12.0s					

BVA0	comp=N,2um,10.0s	34.80	329	iP	P	01 52 47.7 +0.9
BVA0	Borovoye Array					
BVA0	comp-Z,15nm,0.8s					
BVAR	Borovoye Array	34.80	329	PcP	PcP	01 55 18.9 -1.1
BVAR	comp-Z,3.7nm,1.0s,baz=158,slow=1.6,SNR=6.1					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	PcP	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.5
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 55 19.2 -1.0
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	01 52 48.9 +1.4
BRVK	comp-Z,72nm,1.5s					
BRVK	Borovoye	34.87	329	eP	P	





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FIGM Figui, PCAB Cabril, POLO Lamaz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GYA0B ALIBECK ARRAY, IAL Alasht, SIZA SIZY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TORD Torodi Ar. Bea, ILAR Eielson Array, YKA, etc.

ISCJB 17 01:55:40.9-0.2, 39.95N:03:53'84E:0.03, h10km, mb3/12, Error ellipse: s-maj=4.3km s-min=2.5km

ISC 17 01:55:40.9-0.2, 39.98N:53'63E, h0km, mb3.7/14, mb1.4/20, mb1mx3.8/52, mbtmp3.8/20, ML3.9/6, Error ellipse: s-maj=15.2km s-min=9.6km az=0.0

ISC 17 02:13:58.7, 34.08N:139'45E, h14km, 3km, mb4.0/23, Error ellipse: s-maj=14.3km s-min=6.6km az=65.0



Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like Jayapura, Genyem, Manton Dam, etc.

ISK 17 02:38:36.5, 38.69N, 43.32E, h20km, ML2.1/6
DDA 17 02:38:37.7, 38.72N, 43.36E, h7km, 4km, ML2.5
ISCJB 17 02:38:38.1, 0.5, 38.73N, 0.03, 43.29E, 0.04, h9km, 7km,
Error ellipse: s-maj=6.3km s-min=4.3km az=40.5
ISC 17 02:38:38.0, 1.1, 38.74N, 0.03, 43.33E, 0.03, h10km,
n14, c1930/25, Turkey

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

ISCJB 17 02:39:49.8, 1.5, 38.44N, 0.07, 43.40E, 0.09, h10km, 7km,
Error ellipse: s-maj=16.3km s-min=6.0km az=44.3
ISK 17 02:39:49.6, 38.57N, 43.25E, h5km, ML1.8/4
DDA 17 02:39:50.8, 38.44N, 43.34E, h7km, 1km, ML2.5
ISC 17 02:39:50.0, 1.3, 38.48N, 0.09, 43.33E, 0.07, h13km, 8km,
n8, c069/12, Turkey

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

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like PB06, PB14, PB05, etc.

IDC 17 02:50:31.4, 2.9, 59.60S, 147.58E, h0km, mb3.8/2,
mb1 3.8/3, mb1mx3.6/30, mbtmp3.6/3, ML3.0/1, MS3.6/1,
Ms1 3.6/1, ms1mx3.0/42, Error ellipse: s-maj=355.9km
s-min=31.8km az=76.0, West of Macquarie Island

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like VANDA, H01W1, H01W2, etc.

ISCJB 17 02:57:57.1, 0.3, 32.21N, 150.02, 115.26W, 0.02, h24km, 2km,
mb3.4/2, Error ellipse: s-maj=3.4km s-min=2.2km az=9.6
ANF 17 02:57:57.8, 0.4, 32.30N, 115.29W, h25km, 3km, ML4.1/22,
Error ellipse: s-maj=3.7km s-min=1.8km az=10.0
PAS 17 02:57:58.0, 0.0, 32.24N, 115.27W, h10km, MD.0, ML4.2,
ECX 17 02:57:58.7, 0.6, 32.20N, 115.32W, h6km, h6km, 10.0, ML4.2,
Fault plane solution: NP1=48.33000°, 860.00000°,
0.00000°,
NEIC 17 02:57:58.7, 0.0, 32.20N, 115.32W, h6km, mb4.0/4,
ML4.2(EX), MW4.0(PAS), After ECX.
NEIC Felt [I] at Mexicali. Felt [II] at El Centro, California. Also
felt at Mexicali and in parts of San Diego County.
SCEDC 17 02:57:58.1, 32.24N, 115.27W, h10km
MEX 17 02:57:59.6, 0.3, 32.30N, 115.20W, h19km, 8km, MD4.1
IDC 17 02:58:07.5, 2.2, 32.77N, 114.20W, h0km, mb3.4/2,
mb1 3.6/8, mb1mx3.4/63, mbtmp3.3/8, ML3.2/5, MS3.3/1,
Ms1 3.3/1, ms1mx2.7/27, Error ellipse: s-maj=38.8km
s-min=12.4km az=45.0,
W18A Petrifired Fore 5.47 56 Pn
ISC 17 02:57:56.6, 0.9, 32.21N, 0.02, 115.28W, 0.02, h12km, 6km,
n115, c1950/157, 9C-8D, California-Baja California
border region

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

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BAR, B3C, EML, etc.

IDC 17 03:01:31.8, 0.7, 33.17N, 76.70E, h0km, mb3.8/17,
mb1 4.0/20, mb1mx3.9/59, mbtmp3.8/20, ML3.4/3, Error
ellipse: s-maj=20.8km s-min=4.2km az=42.0
ISCJB 17 03:01:33.0, 0.3, 33.30N, 0.02, 76.60E, 0.04, h15km,
mb3.9/20, Error ellipse: s-maj=5.0km s-min=3.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DHARAMSHALA, Simla, Nilore, Dehra Dun, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Bahia Solano, Punta Arditia, San Jos del P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Zahaedan-tmp, Zahedan, Chabahar, etc.

IDC 17 03:02:56.9.0.6, 5:78N-77:66W, h0km, mb3.9/13, mb1.4/16, mb1mx4.0/39, mbtmp3.9/16, ML3.3/MS3.5/2, Ms1.3/5.2, ms1mx3.1/26, Error ellipse: s-maj=21.7km s-min=13.7km az=60.0

ISC 17 03:02:57.5.2.1, 5:82N-100:77:75W, h0.4, h4km, n13km, n73, c167/88, mb4.2/21, 2C-7D, Near west coast of Colombia

IDC 17 03:04:31.4.2.9, 29:00N-61:91E, h54km, 27km, mb3.8/19, mb1.3/9.2, mb1mx3.7/63, mbtmp4.0/21, ML3.8/3, Error ellipse: s-maj=16.8km s-min=13.7km az=140.0



Table with columns: BRTR, Keskin Array B, 26.35 304 P P, 03 10 00.3 -1.8, etc. Includes various station names and coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like MAHB, IAZR, ITBZ, etc.

Table with columns: NSR, Nassriya, 6.05 172 ePn Pn, 03 10 06.0 +2.9, etc. Includes station names like JMKM, JJKO, JJKK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like SZD1, ZHFS, etc.

Table with columns: IDAH, Dahanechah, 5.07 336 eP Pn, 03 17 08.3 +2.3, etc. Includes station names like NGRK, IKOO, TVBK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like IMOG, ISAD, IMYA, etc.



Table with columns: Station, Name, Time, Value, Unit, and other parameters. Includes stations like ZNGN, IMND, ISHM, etc.

Table with columns: Station, Name, Time, Value, Unit, and other parameters. Includes stations like FRU1, Bishkek, KBK, etc.

Table with columns: Station, Name, Time, Value, Unit, and other parameters. Includes stations like DMN, Daman, KARS, etc.

BRZS				i	03 21 14.8	WMQ	comp=Z,430nm,1.5s	pmax	pmax	LPSR	comp=E,400nm,6.9s	smax	smax				
BRZS				eS	03 25 00.2 -1.0	WMQ	comp=Z,2um,3.8s	pmax	pmax	LPSR	comp=Z,3um,26.0s	MLR	MLR				
BRZS	comp=Z,267nm,1.8s			pmax		WMQ	comp=Z,6um,24.9s	LR	LR	ZAAO	Zalesovo Array	30.61 26	eP	P	03 21 59.3 -1.2		
BRZS	comp=Z,819nm,10.0s			MLR		WMQ	comp=Z,3um,39.2s	LR	LR	ZALV	Zalesovo Beam	30.61 26	P	P	03 21 59.5 -1.0		
BRZS	Berezinski	23.21 17	i/P	P	03 20 52.6 -1.4	WMQ	comp=Z,3um,24.9s	LR	LR	ZALV	comp=Z,80nm,0.7s,baz=231,slow=11,SNR=104	PcP	PcP	P	03 24 58.2 +0.6		
BRZS	comp=Z,267nm,1.8s			iPP	03 21 14.9 -0.4	WMQ	comp=Z,391nm,1.3s	LR	LR	ZALV	comp=Z,19nm,0.9s,baz=242,slow=3.1,SNR=4.5	pPCP	pPCP	P	03 25 15.2		
BRZS	comp=Z,156nm,1.7s			eS	03 25 00.3 -1.0	WMQ	Urumji	25.68 46	eP	P	03 21 18.9 +2.2						
BRZS	comp=Z,156nm,1.7s			eLR	03 30 42.5	KURK	Kurchatov	25.72 24	eP	P	03 21 16.5 -0.4	ZAA1	ZAA1	30.61 26	eP	P	03 21 59.5 -1.0
HCB	Kahramanmara	23.23 300	i/P	P	03 20 55.4 +1.1	KURK	Kurchatov	25.72 24	eP	P	03 21 16.5 -0.4	ZAA1	ZAA1	30.61 26	eP	P	03 21 59.5 -1.0
HCB	comp=Z,6um,0.7s			IAML_P		KURK	Kurchatov	25.72 24	eP	P	03 21 16.5 -0.4	BALB	Balikesir	30.65 301	eP	P	03 22 01.0 +0.7
WALJ	Wala	23.24 285	P	P	03 20 57.4 +2.9	KURK	Kurchatov	25.72 24	P	P	03 21 16.7 -0.1	KARP	Karpathos	30.67 293	eP	P	03 22 02.0 +0.7
KMRS	Kahramanmara	23.28 300	eP	P	03 20 55.1 +0.3	TEVE	Tevekalti-Mers	25.73 296	eP	P	03 21 18.1 +0.9	KARP	Karpathos	30.67 293	P	P	03 22 01.3 0.0
AYKD	Aykinkavak	23.32 300	i/P	P	03 20 57.2 +1.5	CORM	Corum	25.78 305	eP	P	03 21 18.3 +0.6	KARP	Karpathos	30.67 293	P	P	03 22 02.0 +0.1
AYKD	comp=Z,267nm,1.8s			IAML_P		DIKM	Dikem	25.86 309	eP	P	03 21 19.9 +3.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.2 -0.1
SHMJ	Saham	23.34 288	P	P	03 20 59.6 +4.1	BERE	Beretek-Mersin	25.89 296	eP	P	03 21 19.6 +0.9	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.7 -2.7
RCY	Rachaya	23.35 290	eP	P	03 20 57.6 +1.9	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
HWQ	Hawqa	23.36 292	eP	P	03 20 57.2 +1.5	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
JDRJ	Daraweish	23.36 283	P	P	03 20 58.0 +2.2	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
KARJ	comp=Z,340nm,1.4s					ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
CUGUR	Gurin SVAS	23.37 303	i/P	P	03 20 57.2 +1.4	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
CUKAN	kangal SVAS	23.43 305	i/P	P	03 20 58.4 +2.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
GHAJ	Ghor Haditha	23.45 284	P	P	03 20 53.9 -2.5	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
LISJ	El Lisan	23.52 284	P	P	03 21 01.1 +4.1	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
BHL	Bhannes	23.55 291	eP	P	03 20 58.3 +0.8	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
MMAI	Mount Meron Ar	23.67 289	P	P	03 20 59.8 +1.3	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
MMAI	comp=Z,37nm,0.7s,baz=94,slow=10,SNR=29			PcP	03 24 42.8 +1.3	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
MMAI	comp=Z,14nm,0.8s,baz=83,slow=4.5,SNR=4.2			PcP	03 25 01.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
MMAI	comp=Z,24nm,0.8s,baz=84,slow=8.5,SNR=5.1			PcP	03 25 01.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 21 00.6 +0.6	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 21 15.4 +0.8	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 21 20.3 +1.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 14.1 +2.4	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN	Anapa	25.89 317	ePP	S	03 21 38.0 -2.6	NVS	Novosibirsk	30.71 24	i/P	P	03 22 01.9 -2.4
SOC	Sochi	23.85 316	i/P	P	03 25 55.9 0.0	ANN											





Table with columns for station code, name, frequency, and other technical details. Includes stations like MNSI, COP, WHN, KEST, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like BCLA, KRJI, NSS, CKHR, etc.

Table with columns for station code, name, frequency, and other technical details. Includes stations like CN2, WOL, TPUB, CWF, etc.





Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like Santa Maria, Cha da Macela, Ponta Delgada, etc.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like Sand Creek, Sparrevohn, Independe'r, etc.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like Flat Rock, Lac Daplat, ZEK Kipawa Sen, etc.



















BPAW	Bear Paw Mtn.	84.04	25	eP	P	05 17 28.2 +0.3
TRF	Thorofare Moun	84.13	25	eP	P	05 17 27.8 -0.8
GHO	Glory Hole Cre	84.22	27	eP	P	05 17 28.6 -0.3
GEYT	Alibeck	84.32	308	P	P	05 17 30.0 +0.1
GEYT	comp=Z,78nm,0.2s,baz=188,slow=4.5,SNR=12					
GEYT	comp=Z,521nm,21.6s,baz=65,slow=57				LR	05 57 22.2
GYA0B	ALIBECK ARRAY	84.32	308	eP	P	05 17 29.4 -0.5
KNK	Knik Glacier	84.33	28	eP	P	05 17 29.4 -0.1
SML	Sawmill	84.50	27	eP	P	05 17 30.3 0.0
SML	Sawmill	84.50	27	eP	P	05 17 30.3 0.0
RND	Reindeer	84.73	26	eP	P	05 17 30.5 -1.0
RND	Reindeer	84.73	26	eP	P	05 17 30.5 -1.0
AB31	Akbulak array	84.82	320	iP	P	05 17 31.4 -0.7
AB31	comp=Z,9.0nm,0.6s					
ABKAR	Akbulak array	84.82	320	eP	P	05 17 31.6 -0.5
SCM	Sheep Creek Mo	84.97	27	eP	P	05 17 32.9 +0.2
SCM	Sheep Creek Mo	84.97	27	eP	P	05 17 32.9 +0.2
WRH	Wood River Hill	85.36	25	eP	P	05 17 33.6 -0.9
COLD	Coldfoot	85.36	22	eP	P	05 17 35.5 +1.1
MDM	Murphy Dome	85.44	24	eP	P	05 17 33.8 -1.1
DIV	Divide	85.51	28	eP	P	05 17 35.6 +0.2
KLU	Klutina	85.53	28	eP	P	05 17 35.8 +0.3
CCB	Clear Creek Bu	85.53	24	eP	P	05 17 33.9 -1.4
TCOL	CIGO, UAF Yank	85.57	24	eP	P	05 17 35.1 -0.4
COLA	College	85.57	24	eP	P	05 17 34.9 -0.6
COLA	College	85.57	24	eP	P	05 17 34.9 -0.6
POKR	Poker Plat Res	85.81	24	eP	P	05 17 36.3 -0.5
HDA	Harding Lake	85.82	25	eP	P	05 17 36.2 -0.6
HDA	Harding Lake	85.82	25	eP	P	05 17 36.1 -0.7
SVE	Sverdlovsk	85.85	327	eP	P	05 17 37.2 +0.1
ILAR	Eielson Array	85.94	24	eP	P	05 17 35.5 -1.9
ILAR	comp=Z,183nm,22.0s,baz=256,slow=33				LR	05 51 53.6
ILB	Eielson Array	85.94	24	eP	P	05 17 35.8 -1.6
TOLK	Toolik Lake Re	86.04	20	eP	P	05 17 37.8 0.0
TOLK	Toolik Lake Re	86.04	20	eP	P	05 17 38.4 +0.5
PAX	Paxson	86.09	26	eP	P	05 17 38.3 0.0
PAX	Paxson	86.09	26	eP	P	05 17 38.3 0.0
HARP	HAARP	86.10	27	eP	P	05 17 39.0 +0.8
RIDG	Independ R Rid	86.55	26	eP	P	05 17 39.6 -0.9
DOT	Dot Lake	86.87	26	eP	P	05 17 41.8 -0.2
ARU	Arti	86.90	327	eP	P	05 17 41.3 -0.9
ARU	Arti	86.90	327	iP	P	05 17 41.0 -1.2
ARU	SS	05 28 03.1			SS	-1.6
ARU	SS	05 34 01.5			SS	+1.9
SCRK	Sand Creek	86.97	26	eP	P	05 17 42.6 0.0
FYU	Fort Yukon	87.06	23	eP	P	05 17 43.8 +1.0
BALM	Baldy	87.11	29	eP	P	05 17 43.3 -0.1
BALM	Baldy	87.11	29	eP	P	05 17 43.3 -0.1
QSPA	South Pole Qui	87.11	180	eP	P	05 17 44.6 +1.3
EGAK	Eagle	88.34	25	eP	P	05 17 48.8 -0.1
DAWY	Dawson	88.98	26	eP	P	05 17 52.7 +0.6
HYT	Haines Junctio	89.42	29	eP	P	05 17 55.0 +0.7
EPYK	Eagle Plains	90.39	24	eP	P	05 17 59.3 +0.7
EPYK	Eagle Plains	90.39	24	eP	P	05 17 59.0 +0.3
SYO	Syowa Base	90.65	201	eP	P	05 18 00.6 +0.9
SYO	Syowa Base	90.65	201	eP	P	05 18 02.8 +2.1
SYO	Syowa Base	90.65	201	iP	P	05 18 14.6 -0.5
WHY	Whitehorse	90.68	29	eP	P	05 18 00.5 +0.3
INK	Inuvik	91.78	22	eP	P	05 18 04.2 -0.8
INK	Inuvik	91.78	22	eP	P	05 18 04.1 -0.8
INK	Inuvik	91.78	22	eP	P	05 18 04.1 -0.8
DLBC	Dease Lake	93.06	32	eP	P	05 18 12.1 +0.9
DLBC	comp=Z,4.8nm,1.0s,baz=206,slow=7.4,SNR=4.5					
DLBC	comp=Z,3.1nm,1.0s,baz=254,slow=5.3,SNR=3.0				PKIKP	05 22 56.2 -2.0
DLBC	Dease Lake	93.06	32	eP	P	05 18 12.1 +0.9
DLBC	comp=Z,20nm,1.4s					
PRGR	Permogore	93.95	331	eP	PKIKP	05 22 56.2 -2.0
PRGR	iPP				pP	05 18 29.5 -1.1
PRGR	iPP				pP	05 18 29.5 -1.1
GNI	Garni	94.85	310	iP	P	05 18 20.6 +0.6
ZEI	Tsey	95.49	313	eP	P	05 18 19.4 -3.3
NEY	Neytrino	96.30	313	iP	P	05 18 27.4 +0.9
KIV	Kislovodsk	96.30	314	eP	P	05 18 27.8 +1.4
KLMR	Klimovskoe	96.95	331	eP	P	05 18 41.2 +1.2
KLMR	AMP					05 18 41.3 +1.3
TMGR	Tamitsa	97.19	334	eP	P	05 18 26.8 -3.0
PGC	Sidney	97.30	41	eP	P	05 18 31.1 +0.4
D03D	Eldon	97.62	43	eP	P	05 18 33.2 +1.0
HUMC	Hull Mountain	98.04	48	eP	P	05 18 35.4 +1.1
M02C	Callahan	98.19	49	eP	P	05 18 35.3 +0.2
B05A	Bryant	98.23	42	eP	P	05 18 35.0 +0.2
YBH	Yreka Blue Hor	98.28	48	eP	P	05 18 35.3 -0.1
A02D	Mt. Diabolo Mer	98.31	50	eP	P	05 18 36.8 +1.2
APA	Apatity	98.43	338	iP	P	05 18 41.5 +6.2
APA	MLR				MLR	

L04D	comp=Z,1um,15.0s					
L04D	Klamath Falls	98.55	48	eP	P	05 18 37.2 +0.5
MOS	Moscow	98.58	326	eP	P	05 18 34.6 -1.6
MOS	MLR				MLR	05 22 35.3
M04C	Macdoel	98.93	48	eP	P	05 18 39.0 +0.6
O03E	Paynes Creek	99.06	50	eP	P	05 18 38.9 -0.1
I05D	Terrebonne, OR	99.09	46	eP	P	05 18 39.0 +0.1
J05D	Fort Rock, OR	99.25	47	eP	P	05 18 40.1 +0.3
OBN	Obninsk	99.26	325	eP	P	05 18 38.9 -0.4
OBN	ePPP				PPP	05 22 43.2
OBN	ePPP				PPP	05 24 47.4
LTY	Liberty	99.28	43	eP	P	05 18 39.6 -0.1
YKA	Yellowknife Ar	100.17	27	eP	P	05 18 42.5 -0.6
YKA	comp=Z,1.5nm,0.7s,baz=285,slow=4.9,SNR=30					
YKA	PKKbPbc				PKKbPbc	05 35 03.0 -0.4
CMB	Columbia Coile	100.33	52	eP	P	05 18 45.1 +0.5
CMB	Columbia Coile	100.33	52	eP	P	05 18 45.1 +0.5
ARCES	ARCES Array S	100.62	341	eP	P	05 18 43.9 -1.2
ARCES	ARCES Array B	100.62	341	eP	P	05 18 43.9 -1.2
ARCES	comp=Z,1.1nm,0.6s,baz=80,slow=6.7,SNR=11					
ARCES	PKKbPbc				PKKbPbc	05 35 02.4 +0.1
PNTR	Pine Nut	100.85	51	eP	P	05 18 48.8 +1.7
PAHR	Pah Rah Range	100.96	50	eP	P	05 18 48.3 +0.9
E09A	Wood Farm, Sta	101.09	43	eP	P	05 18 48.5 +0.8
NEW	Newport	101.53	41	eP	P	05 18 48.6 -1.1
NEW	Newport	101.53	41	eP	P	05 18 49.4 -0.3
SNA4	Snae	101.59	192	eP	P	05 18 51.6 +2.1
RES	Resolute Bay	101.82	13	eP	P	05 18 49.5 -0.7
NVAR	Mina Array Bea	101.92	51	eP	P	05 18 52.4 +0.5
NVAR	comp=Z,4.7nm,0.8s,baz=255,slow=7.0,SNR=19					
YNA2	Neumayer-Watz	103.07	191	eP	P	05 18 55.6 -0.4
FI40	FINES Array S	103.17	333	eP	P	05 18 54.6 -2.0
FI40	FINES Array S	103.17	333	eP	P	05 18 54.6 -2.0
FINES	FINES Array B	103.17	333	eP	P	05 18 54.5 -2.0
FINES	comp=Z,1.1nm,0.8s,baz=96,slow=5.0,SNR=2.6					
R11A	Troy Canyon, C	104.05	51	eP	P	05 19 01.8 +0.5
HLID	Hail	104.15	46	eP	P	05 19 02.0 +0.4
AKASG	Main Array Be	104.47	322	eP	P	05 19 01.0 -1.6
AKASG	comp=Z,0.1nm,0.2s,baz=66,slow=5.5,SNR=2.0					
AKASG	PKKbPbc				PKKbPbc	05 35 05.2 -2.4
AKASG	Main Array Be	104.47	322	eP	P	05 19 01.0 -1.6
PDAR	Pinedale Array	107.79	46	eP	P	05 19 19.2 +1.4
PDAR	comp=Z,0.9nm,0.9s,baz=157,slow=1.1,SNR=7.2					
PDAR	PKIKP				PKIKP	05 23 24.6 -0.7
PDAR	comp=Z,0.6nm,0.7s,baz=206,slow=1.7,SNR=6.9					
PDAR	PKKbPbc				PKKbPbc	05 34 43.0 +2.8
PDAR	comp=Z,0.3nm,0.8s,baz=133,slow=1.1,SNR=4.4					
PDAR	PKKbPbc				PKKbPbc	05 34 55.5 +1.8
TUC	Tucson	108.80	57	eP	P	05 23 27.7 +0.4
O20A	White River Ci	109.34	48	eP	P	05 23 28.9 +0.6
UZH	Uzhgorod	109.36	321	eP	P	05 19 34.0 +1.0
S22A	4UR Ranch, Cre	110.96	51	eP	P	05 23 32.4 +0.9
RSSD	Black Hills	111.31	43	eP	P	05 23 31.5 -0.4
ANMO	Albuquerque	111.87	53	eP	P	05 24 35.1 0.0
ANMO	comp=Z,1.3nm,0.8s,baz=116,slow=6.3,SNR=4.0					
DPC	Dobruska-Polom	112.36	324	eP	P	05 15 30.0
DPC	comp=Z,500nm,19.1s					
UPC	Upe	112.48	324	eP	P	05 15 20.0
UPC	comp=Z,500nm,15.8s					
PVCC	Panska Ves	113.30	325	eP	P	05 17 30.0
PVCC	comp=Z,600nm,18.0s					
GNTX	Corudas Mount	113.43	57	eP	P	05 23 36.3 +0.3
GNTX	comp=Z,500nm,23.0s					
PRU	Pruhonice	113.55	324	eP	P	05 16 40.0
PRU	comp=Z,500nm,17.7s					
KSCO	Kaye Shedlock	113.83	48	eP	P	05 23 37.0 +0.3
COLL	Collim	113.84	326	eP	P	05 34 02.0 -5.4
COLL	eSS				SS	05 38 27.0
COLL	eSS				SS	05 40 10.0 -4.3
COLL	eSSS				SSS	05 44 18.0
COLL	eSSSS				SSSS	05 47 42.0
COLL	eLmV				LmV	05 51 42.0
COLL	eLmV				LmV	06 16 00.0
ULM	comp=Z,500nm,20.0s					
ULM	Lac du Bonnet	114.15	35	eP	P	05 23 36.1 -0.7
ULM	comp=Z,1.8nm,0.7s,baz=69,slow=3.0,SNR=4.9					
ULM	PKKbPbc				PKKbPbc	05 34 26.9 +2.3
KHC	Kasperske Hvi	114.49	324	eP	P	05 12 50.0
KHC	comp=Z,500nm,21.9s					
GERES	GERES Array B	114.55	324	eP	P	05 23 37.1 -0.6
GERES	comp=Z,0.4nm,0.2s,baz=44,slow=1.7,SNR=4.5					
GERES	PKKbPbc				PKKbPbc	05 34 39.7 -1.2
NKC	Novy Kostel	114.65	325	eP	P	05 16 20.0
NKC	comp=Z,0.2nm,0.2s,baz=327,slow=9.5,SNR=3.8					
MSTX	Muleshoe	115.06	54	eP	P	05 23 39.6 +0.4
MSTX	baz=284					
TXAR	Lajitas Array	115.36	59	eP	P	05 23 39.8 0.0
TXAR	comp=Z,1.0nm,0.8s,baz=234,slow=1.1,SNR=9.4					
TXAR	PKKbPbc				PKKbPbc	05 34 15.8 +1.2
TXAR	comp=Z,0.2nm,0.5s,baz=101,slow=4.9,SNR=6.0					
TXAR	PKKbPbc				PKKbPbc	05 34 36.9 -2.2
AMTX	Amarillo	115.70	52	eP	P	05 23 40.5 +0.1
AMTX	baz=286					
ECSD	EROS Data Cent	116.47	42	eP	P	05 23 41.2 -0.2
ECSD	EROS Data Cent	116.47	42	eP	P	05 23 41.3 -0.2
WMOK	Wichita Mounta	118.03	52	eP	P	05 23 44.7 -0.1
F37A	Hinrichs Farm,	118.17	38	eP	P	05 23 44.8 +0.1
F37A	baz=298					
KSU1	Kansas State U	118.23	47	eP	P	05 23 45.4 +0.4
JCT	Junction City	118.36	57	eP	P	05 23 45.6 0.0
JCT	Junction City	118.36	57	eP	P	05 23 45.6 0.0
JCT	Junction City	118.36	57	eP	P	05 23 45.6 0.0
E38A	The Farm, Brul	118.41	37	eP	P	05 23 44.0 -1.

17d 5h

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes rows like 048A Farmland, 048B Ashfield, etc.

2013 APR

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes rows like R52A Catlettsburg, 349A Repton, etc.

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Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes rows like TORD Torodi Ar. Bea, TORD Torodi Ar. Sit, TOA1 Torodi Ar. Sit, etc.

KRNET 17:05:05.47.0.1, 41.90N:72.34E, h10km, mb2.4
SOME 17:05:05.48.0.1, 41.93N:72.33E, h5km
ISCJB 17:05:05.50.4.0.8, 41.69N:0.06:72.21E:0.5, h33km, Error
ellipse: s-maj=9.0km s-min=5.0km az=20.7
NMC 17:05:05.50.5.1.0, 42.11N:72.29E, h0km, mb2.9, mpv2.9
Error ellipse: s-maj=12.4km s-min=3.9km az=172.0
ISC 17:05:05.47.7.1.1, 41.92N:0.04:72.35E:0.02, h3km, 12km,
n23, 0.91/40, 16C-11D, Kyrgyzstan

Table with columns: Code, Station Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Includes rows like ARK Arkit, ARK Arkit, ARS Arslanbob, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 17 05:38:02.1±1.1, 24.89N, 123.41E, h0km, mb3.6/5, mb1.3/8.5, mb1mx3.4/4.3, mbtmp3.6/5, Error ellipse: s-maj=64.2km s-min=21.5km az=71.0

ISCJB 17 05:38:03.9±1.2, 24.87N, 123.30E, 0.04, h2km, 11km, mb3.5/4, Error ellipse: s-maj=17.5km s-min=6.6km az=177.7

JMA 17 05:38:12.8±0.2, 24.86N, 123.29E, h2km, 4km, M3.1

ISC 17 05:33:11.9±1.8, 24.87N, 123.36E, 0.05, h9km, 12km, n12, c045/17, mb3.6/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 17 05:38:02.1±1.1, 24.89N, 123.41E, h0km, mb3.6/5, mb1.3/8.5, mb1mx3.4/4.3, mbtmp3.6/5, Error ellipse: s-maj=64.2km s-min=21.5km az=71.0

ISCJB 17 05:38:03.9±1.2, 24.87N, 123.30E, 0.04, h2km, 11km, mb3.5/4, Error ellipse: s-maj=17.5km s-min=6.6km az=177.7

JMA 17 05:38:12.8±0.2, 24.86N, 123.29E, h2km, 4km, M3.2

ISC 17 05:33:11.9±1.8, 24.87N, 123.36E, 0.04, h9km, 14km, n12, c045/17, mb3.4/5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

ISCJB 17 05:39:23.4±0.9, 24.90N, 123.27E, 0.04, h10km, mb3.4/4, Error ellipse: s-maj=8.2km s-min=5.0km az=165.4

IDC 17 05:39:23.3±1.2, 24.89N, 123.29E, h0km, mb3.4/4, mb1.3/7.4, mb1mx3.4/4.3, mbtmp3.4/4, Error ellipse: s-maj=66.8km s-min=25.2km az=68.0

JMA 17 05:39:25.1±0.3, 24.84N, 123.24E, h2km, M3.1

ISC 17 05:39:26.1±1.1, 24.86N, 123.30E, 0.08, h10km, n12, c051/15, mb3.4/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 17 05:40:25.5±1.3, 24.83N, 123.51E, h0km, mb3.7/4, mb1.3/9.4, mb1mx3.4/4.4, mbtmp3.7/4, Error ellipse: s-maj=88.1km s-min=24.6km az=76.0

ISCJB 17 05:40:27.6±1.3, 24.81N, 123.29E, 0.04, h27km, 10km, mb3.6/4, Error ellipse: s-maj=17.9km s-min=6.2km az=178.7

JMA 17 05:40:27.0±0.3, 24.88N, 123.27E, h2km, M3.0

ISC 17 05:40:27.1±2.4, 24.81N, 123.34E, 0.08, h11km, 17km, n11, c045/16, mb3.5/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like IRIF, JKRS, HATJ, etc.

IDC 17 05:47:31.1±0.8, 29.99N, 142.61E, h0km, mb3.7/12, mb1.3/9.1, mb1mx3.7/4.7, mbtmp3.7/13, ML2.9, MS3.7/1, Ms1.3/7.1, ms1mx2.8/4.8, Error ellipse: s-maj=30.2km s-min=17.0km az=78.8

ISCJB 17 05:47:34.6±0.8, 30.00N, 142.56E, 0.2, h35km, mb3.8/12, Error ellipse: s-maj=27.5km s-min=13.5km az=166.1

ISC 17 05:47:36.4±0.8, 30.00N, 142.56E, 0.2, h35km, n15, c061/14, mb3.8/12, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like IRIF, JKRS, HATJ, etc.

NIED 17 05:50:00.2±0.9, 24.90N, 123.30E, h5km, Mw4.2 Best double couple: M2, 14000.01019 NP1, 47.00000, 851.00000, 128.00000, NP2, 278.00000, 852.00000, 128.00000

IDC 17 05:50:01.0±0.8, 24.84N, 123.35E, h0km, mb3.8/12, mb1.4/0.1, mb1mx3.8/4.9, mbtmp3.8/13, ML3.6/1, Error ellipse: s-maj=27.8km s-min=15.5km az=74.0

ISCJB 17 05:50:03.0±0.7, 24.85N, 123.32E, 0.03, h24km, 6km, mb3.8/13, Error ellipse: s-maj=8.7km s-min=4.8km az=178.8

JMA 17 05:50:02.0±0.2, 24.88N, 123.27E, h2km, M3.8

NEIC 17 05:50:02.1±0.8, 24.85N, 123.38E, h10km, 3km, mb4.1/4, Error ellipse: s-maj=18.6km s-min=10.8km az=119.0

ISC 17 05:50:02.7±1.5, 24.84N, 123.34E, 0.04, h11km, 11km, n40, c062/45, mb3.7/13, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like ASAR, STKA, YKA, YKBS.

TAP 17 05:50:02.6, 24.31N, 121.46E, h13km, ML1.7, A, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like ETHL, NNSB, NNSB, etc.

ISCJB 17 05:51:31.6±0.8, 23.81N, 122.96E, 0.3, h13km, mb3.4/9, Error ellipse: s-maj=38.5km s-min=16.1km az=155.6

IDC 17 05:51:31.4±1.0, 23.79N, 122.95E, h0km, mb3.6/9, mb1.3/7.9, mb1mx3.6/4.5, mbtmp3.6/9, Error ellipse: s-maj=42.6km s-min=21.8km az=66.0

ISC 17 05:51:33.3±1.0, 23.81N, 122.96E, 0.3, h13km, n9, c150/9, mb3.6/9, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like SONM, MKAR, KURBS, etc.

IDC 17 05:52:31.2±1.1, 24.78N, 123.32E, h0km, mb3.7/5, mb1.3/9.5, mb1mx3.5/4.5, mbtmp3.7/5, Error ellipse: s-maj=98.6km s-min=21.4km az=70.0, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like SONM, KURBS, WRA, etc.

IDC 17 05:54:56.5±0.8, 24.77N, 123.17E, h0km, mb3.8/8, mb1.3/9.9, mb1mx3.6/4.7, mbtmp3.8/8, ML3.1/1, Error ellipse: s-maj=45.4km s-min=16.6km az=68.0

ISCJB 17 05:54:58.9±0.9, 24.81N, 123.27E, 0.04, h29km, 7km, mb3.7/8, Error ellipse: s-maj=12.7km s-min=6.2km az=10.8

JMA 17 05:54:59.0±0.2, 24.82N, 123.28E, h2km, M3.4

ISC 17 05:54:58.4±1.7, 24.81N, 123.27E, 0.05, h12km, 12km, n17, c055/22, mb3.8/8, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.







Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AAGR Agrelo, LVC Limon Verde, LVP Villa Flores, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, WR1 Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MAJO Matushiro, MJAR Matsushiro Arr, CD2 Chengdu, etc.

NIED 17 06:25:00.24:80N:123:30E, h5km, Mw4.5 Best double couple: M6.820000:1015 NP1:3278.0000; 847.000000, lambda-63.000000. NP2:361.000000; 850.000000, lambda-116.000000.

JMA 17 06:31:00.0:2.24:83N:123:30E, h25km, M4.5 JMA Felt J1. NIED 17 06:31:00.24:80N:123:30E, h5km, Mw4.6 Best double couple: M6.944000:1015 NP1:3225.0000; 831.000000, lambda-116.000000. NP2:374.000000; 862.000000, lambda-75.000000.

ISCJB 17 06:31:07.2:0.6:24:71N:123:66E:0.04, h10km, mb4.0/10, Error ellipse: s-maj=6.6km s-min=5.3km az=5.8 IDC 17 06:31:08.7:0.8:24:88N:123:54E, h0km, mb4.1/10, mb1.4/2.11, mb1mx3.8/5.9, mbtmp4.0/11, ML2.5/1, Error ellipse: s-maj=33.9km s-min=15.0km az=73.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YON Yonaguni jima, YOF Yonaguni jima, YJNG Yonagunijimaku, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YON Yonaguni jima, YOF Yonaguni jima, YJNG Yonagunijimaku, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YON Yonaguni jima, YOF Yonaguni jima, YJNG Yonagunijimaku, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JNU Nakatsue, TGY Tagay City, KRSR Korea Array, MAJO Matushiro, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JNU Nakatsue, TGY Tagay City, KRSR Korea Array, MAJO Matushiro, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JNU Nakatsue, TGY Tagay City, KRSR Korea Array, MAJO Matushiro, MJAR Matsushiro Arr, etc.







17d 6h

Error ellipse: s-maj=5.0km s-min=3.9km az=90.0
NEIC Recorded [1 JMA] on Iriomote-jima
NIED 17 06:43:00.25:00N:123.10E,h5km,Mw5.1 Best double couple: Ms.44000x1016 NP1.99:00.00000\*.delta.000000\*, lambda.87.000000\*. NP2.275.00000\*.delta.70.000000\*, lambda.91.000000\*.

JMA 17 06:43:00.9:0.4,24:87N:123.32E,h25km,M5.5
JMA Felt J1
BUJ 17 06:43:01.8,24:85N:123.20E,h10km,mb4.7/58,mb5.4/50,M5.5/59,M5.7/45/57

ISCJB 17 06:43:01.4:0.4,24:79N:0.02:123.32E:0.02,h23km,3km,mb4.8/144,M5.5/142 Error ellipse: s-maj=3.1km s-min=2.4km az=174.1

MOS 17 06:43:01.2:1.3,24:75N:123.35E,h25km,mb5.2/51,M5.5/46 Error ellipse: s-maj=7.2km s-min=4.3km az=104.7

GCMT 17 06:43:02.6:0.2,24:80N:0.01:123.09E:0.02,h12km,MW5.3/106,Moment Tensor Solution. s68,c103;s106,c213; Duration: 1s1 Moment tensor: Scale 1017 Nm; Mn=-1.08e+02; M0=1.22e+02; M00=0.13e+02; M01=0.44e+06; M02=0.24e+02; M03=0.34e+07; Best double couple: Mo1.30200x1017 NP1.99:247.00000\*.delta.588.000000\*, lambda.105.000000\*. NP2.99:94.00000\*.delta.835.000000\*, lambda.67.000000\*. Principal axes: T 1.3640, P12.00000\*, Azm348.00000\*. N -0.1170, P1g13.00000\*, Azm255.00000\*; P -1.2410, P1g73.00000\*, Azm119.00000\*; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

TAP 17 06:43:04.5,24:69N:122.96E,h14km,1km,ML4.4,D
ISC 17 06:43:00.8:0.8,24:78N:0.003:123.35E:0.02,h8km,5km,n438,s1981/461,mb4.9/144,M5.5/142,c6C-1D,

Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Rows include stations like YONAGUNI JIMA, YONAGUNI JIMA, YONAGUNI JIMA, etc.

2013 APR

Main table of seismic events for 2013 APR. Columns include station codes (e.g., CHKT, WDCJ, TDUJ), magnitudes, times, and locations. Rows list numerous events across various stations.

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Continuation of seismic event table for 2013 APR. Columns include station codes (e.g., TIY, BJI, MAJO), magnitudes, times, and locations. Rows list events from various stations.







17d 6h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like FIAO, FINES, INK, VSU, AKASG, etc.

2013 APR

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like GEA0, LLLB, B06A, KMB0, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like WRA, WC3, TCA, FITZ, etc.

MEX 17 06:53:39.70.5, 15:07N-93:77W, h17km, 999km, MD3.8, Near coast of Chiapas. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

IDC 17 06:55:03.6.0.8, 24:62N-123:26E, h0km, mb3.8/6, mb1 3.9/6, mb1mx3.6/6, mb1tmp3.8/6, Error ellipse: s-maj=17.0km s-min=6.1km az=12.0, Southwestern Ryukyus Islands. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

ISCJB 17 06:55:57.1+0.5, 24:86N-123:34E, h10km, mb4.2/17, Error ellipse: s-maj=10.2km s-min=7.5km az=12.7. IDC 17 06:55:57.0.8, 24:89N-123:28E, h0km, mb4.1/12, mb1 3.9/12, mb1mx3.9/12, mb1tmp4.1/12, Error ellipse: s-maj=28.2km s-min=18.0km az=65.0. NEIC 17 06:55:58.4.1.8, 24:89N-123:28E, h10km, mb4.4/5, Error ellipse: s-maj=19.2km s-min=10.1km az=107.0. ISC 17 06:55:58.7.0.7, 24:79N-123:33E, h10km, mb3.1, n10B/31, mb4.1/17, Southwestern Ryukyus Islands. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

ISCJB 17 06:52:40.3+0.3, 2:76S-0:04, 138:81E, h46km, mb4.2/18, Error ellipse: s-maj=6.0km s-min=5.4km az=1.5. NEIC 17 06:52:42.2.1, 2:77S, 138:83E, h52km, mb4.1/9, Error ellipse: s-maj=14.5km s-min=7.9km az=190.0. IDC 17 06:52:42.3.1.8, 2:79S, 138:88E, h50km, mb3.9/14, mb1 4.0/20, mb1mx3.9/14, mbtmp4.2/20, ML4.0/4, Error ellipse: s-maj=14.3km s-min=11.4km az=133.0. ISC 17 06:52:41.9+0.5, 2:85S-0:06, 138:79E, h46km, n40, c2510/47, mb4.3/18, Irian Jaya. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

h21km, 10km, mb4.0/9, Error ellipse: s-maj=13.3km s-min=5.9km az=178.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

IDC 17 06:57:53.0-0.9, 24.64N:123.30E, h0km, mb3.9/11, mb1.4/1.1, mb1mx3.8/6.0, mbtmp4.0/1.1, Error ellipse: s-maj=31.7km s-min=17.8km az=77.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSR, USRK, CMAR, KLR, SONM, MKAR, ZALV, WRA, STKA, FINES, YKA.

GUC 17 06:58:15.1±0.6, 32.04S:70.13W, h87km, 22km, ML2.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AUSP, RTLS, PEL, ROCH, FCH, CLCH, AAGR, LML, ACCO, AMOG, AROD, ACUV, AGUA.

ISCJB 17 07:00:17.5±1.2, 27.7N:0.1±62.4E:0.2, h10km, mb3.7/8, Error ellipse: s-maj=35.6km s-min=9.5km az=33.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WSAR, MKAR, BVAR, KURB, ZALV, FINES, GERES, ARCES, TORD.

IDC 17 07:04:13.0±0.7, 24.78N:123.28E, h0km, mb3.9/17, mb1.4/0.7, mb1mx3.9/5.3, mbtmp3.9/17, Error ellipse: s-maj=24.3km s-min=15.9km az=75.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WSAR, MKAR, BVAR, KURB, ZALV, FINES, GERES, ARCES, TORD.

az=42.8 NEIC 17 07:04:15.4±1.4, 24.86N:123.28E, h10km, 3km, mb4.1/5, Error ellipse: s-maj=21.2km s-min=10.5km az=119.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

NIED 17 07:07:00.24:80N:123:20E, h17km, Mw4.6 Best double couple: M=7.630000x1015 NP1=211.000000, δ65.000000, λ-180.000000, NP2=121.000000, δ90.000000, λ-25.000000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

IDC 17 07:07:35.0±0.6, 24.87N:123.22E, h0km, mb3.9/19, mb1.4/0.9, mb1mx3.9/5.0, mbtmp3.9/19, Error ellipse: s-maj=22.2km s-min=13.0km az=78.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

0.6mm, 0.9s, baz=320, slow=5.8, SNR=3.6 AKASG Malin Array Be 73.65 319 P P 07 19 08.8 -1.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YKA, YKBS, NIED, JMA, ISCB, BUJ, IDC, NEIC, ISC.

IDC 17 07:10:00.24:80N:123:30E, h5km, Mw4.7 Best double couple: M=1.330000x1016 NP1=273.000000, δ30.000000, λ-93.000000, NP2=97.000000, δ60.000000, λ-88.000000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

NIED 17 07:07:00.24:80N:123:20E, h17km, Mw4.6 Best double couple: M=7.630000x1015 NP1=211.000000, δ65.000000, λ-180.000000, NP2=121.000000, δ90.000000, λ-25.000000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

IDC 17 07:07:35.0±0.6, 24.87N:123.22E, h0km, mb3.9/19, mb1.4/0.9, mb1mx3.9/5.0, mbtmp3.9/19, Error ellipse: s-maj=22.2km s-min=13.0km az=78.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.



Table with columns: WMO, comp, LR, LR, station name, time, res, etc. Includes stations like Makanchi Array, Zalesovo Beam, Kurchatov, etc.

IDC 17 07:12:07.41.2, 24:11N:123:57E, h0km, mb3.9/6, mb1 4.0/6, mb1mx3.6/5.1, mbtmp3.9/6, Error ellipse: s-maj=58.6km s-min=23.6km az=63.0

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

IDC 17 07:14:26.61.0, 24:299N:123:30E, h0km, mb3.8/8, mb1 4.0/8, mb1mx3.6/5.3, mbtmp3.9/8, Error ellipse: s-maj=36.3km s-min=19.3km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Yoj Yonaguni jima, Yoj Yonagunijimaku, etc.

IDC 17 07:14:28.30.3, 24:85N:123:27E, h14km, M3.5, JMA Felt J1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Yoj Yonaguni jima, Yoj Yonagunijimaku, etc.

ISCJB 17 07:15:32.10.4, 24:91N:123:30E, h0km, mb3.8/13, mb1 4.0/13, mb1mx3.8/5.3, mbtmp3.9/13, Error ellipse: s-maj=26.9km s-min=17.6km az=76.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like CMAR Chiang Mai Arr, KLR Kul'dur, etc.

Table with columns: ZALV, WRA, WRR, etc. Includes stations like Zalesovo Beam, Warramunga Arr, etc.

IDC 17 07:16:45.21.2, 24:92N:123:63E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.5/5.3, mbtmp3.8/4, Error ellipse: s-maj=88.9km s-min=23.6km az=76.0, Southwestern Ryukyu Islands

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

NIED 17 07:20:00.24:90N:123:20E, h5km, Mw4.2 Best double couple: M=580000-1016, NP1=82.00000, 845.00000, -1.89.00000, NP2=261.00000, 845.00000, -1.91.00000

IDC 17 07:20:35.40.8, 24:82N:123:39E, h0km, mb3.9/11, mb1 4.1/11, mb1mx3.8/5.0, mbtmp3.9/11, Error ellipse: s-maj=29.3km s-min=16.0km az=73.0

ISCJB 17 07:20:36.40.5, 24:93N:123:25E, h0.4, h10km, mb3.8/11, Error ellipse: s-maj=5.8km s-min=5.2km az=168.9

JMA 17 07:20:38.00.6, 24:87N:123:23E, h27km, M3.6, ISC 17 07:20:37.00.7, 24:80N:123:28E, h0.6, h10km, n18, r150621, mb3.8/11, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Yoj Yonaguni jima, Yoj Yonagunijimaku, etc.

IDC 17 07:25:43.00.0, 24:81N:123:22E, h0km, mb3.8/9, mb1 3.9/9, mb1mx3.7/4.5, mbtmp3.8/9, MS4.1/1, Ms1 4.1/1, ms1mx3.6/3.7, Error ellipse: s-maj=43.1km s-min=17.9km az=70.0, Southwestern Ryukyu Islands

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

NIED 17 07:25:00.24:80N:123:20E, h5km, Mw5.1 Best double couple: M=84000-1016, NP1=277.00000, 847.00000, -1.82.00000, NP2=59.00000, 850.00000, -1.17.00000

JMA 17 07:25:52.90.2, 24:82N:123:25E, h30km, 4km, M5.5, JMA Felt J1

IDC 17 07:25:57.90.4, 24:90N:123:32E, h0km, mb4.6/32, mb1 4.7/32, mb1mx4.7/4.3, mbtmp4.6/32, MS5.0/22, Ms1 5.0/22, ms1mx4.8/3.8, Error ellipse: s-maj=15.4km s-min=10.2km az=73.0

ISCJB 17 07:25:58.10.1, 24:78N:123:14E, h0.03, h10km, mb4.6/141, MS5.2/45, Error ellipse: s-maj=3.5km

NEIC 17 07:25:59.3.2, 24:81N:122:97E, h10km, 2km, mb4.9/80, Error ellipse: s-maj=10.3km s-min=7.4km az=86.0

NEIC Recorded [1 JMA] on Iriomote jima, Ryukyu Islands, MOS 17 07:25:59.0.1, 3.24:77N:123:10E, h18km, mb5.2/56, MS5.2/7, Error ellipse: s-maj=7.7km s-min=4.5km az=102.4

BUI 17 07:26:00.8, 24:91N:123:02E, h6km, mb4.7/59, mb5.5/47, MS5.5/64, MS7 5.3/63

GCMT 17 07:26:01.30.2, 24:80N:123:11E, h12km, Mw5.2/93, Moment Tensor Solution, s1,c73; s93,c175; Duration: 160 Moment tensor: Scale 1017Nm

ISC 17 07:25:58.2.0.3, 24:73N:103:123:36E, h0.02, h10km, n387, r2527325, mb4.9/140, MS5.2/45, 11C-6D, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Yoj Yonaguni jima, Yoj Yonagunijimaku, etc.

Table with columns: Yoj Yonaguni jima, Yoj Yonagunijimaku, etc. Includes stations like Yonaguni jima, Yonagunijimaku, etc.

YHNB SNR=12 1.81 269 ePn Pn 07 26 22.1 -7.5

YULB Yu-li 2.31 265 ePn Pn 07 26 34.9 -1.4

SSLB Suanglung 2.39 247 ePn Pn 07 26 33.0 -4.4

YHNB SNR=12 1.81 269 ePn Pn 07 26 22.1 -7.5

YULB Yu-li 2.31 265 ePn Pn 07 26 34.9 -1.4

SSLB Suanglung 2.39 247 ePn Pn 07 26 33.0 -4.4

YHNB SNR=12 1.81 269 ePn Pn 07 26 22.1 -7.5

YULB Yu-li 2.31 265 ePn Pn 07 26 34.9 -1.4

SSLB Suanglung 2.39 247 ePn Pn 07 26 33.0 -4.4

YHNB SNR=12 1.81 269 ePn Pn 07 26 22.1 -7.5

YULB Yu-li 2.31 265 ePn Pn 07 26 34.9 -1.4

SSLB Suanglung 2.39 247 ePn Pn 07 26 33.0 -4.4

YHNB SNR=12 1.81 269 ePn Pn 07 26 22.1 -7.5

YULB Yu-li 2.31 265 ePn Pn 07 26 34.9 -1.4

SSLB Suanglung 2.39 247 ePn Pn 07 26 33.0 -4.4

YHNB SNR=12 1.81 269 ePn Pn 07 26 22.1 -7.5

YULB Yu-li 2.31 265 ePn Pn 07 26 34.9 -1.4

SSLB Suanglung 2.39 247 ePn Pn 07 26 33.0 -4.4

YHNB SNR=12 1.81 269 ePn Pn 07 26 22.1 -7.5

YULB Yu-li 2.31 265 ePn Pn 07 26 34.9 -1.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Yoj Yonaguni jima, Yoj Yonagunijimaku, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KBZ, KIV, RND, MDM, WRA, COLA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like CLL, KHC, GERES, GEAO, KMB0, etc.

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











17d 8h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like Mudanjiang, Ussuriysk Arr, Ussuriysk Kr, etc.

2013 APR

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like Kurchatov, KurubB, AAK, AAK, WRAB, WRAB, WRA, WRA, WRA, WRA, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like SONGMO Songoing Array, MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

NHHD	Xindian Distri	1.49 276	eP	Pn	08 24 04.6	-0.2
YM10	YM10	1.49 284	↓P	Pn	08 24 04.4	-0.4
NWL1	Wulai	1.51 269	↓P	Pn	08 24 04.5	-0.5
NDT	Datong Townshi	1.51 263	↓P	Pn	08 24 04.7	-0.3
YM04	YM04	1.51 284	eP	Pn	08 24 04.7	-0.4
YM03	YM03	1.52 285	eP	Pn	08 24 04.5	-0.7
TATO	Taipei	1.53 277	ePn	Pn	08 24 05.2	-0.1
TATO	Taipei	1.53 277	↓P	Pn	08 24 05.0	-0.2
ANP	Anpu	1.54 285	eP	Pn	08 24 04.5	-1.0
NACB	Ninganchiao	1.56 247	ePn	Pn	08 24 05.4	-0.4
NACB	Ninganchiao	1.56 247	↓P	Pn	08 24 05.3	-0.4
TWD	Chiawan	1.60 243	↓P	Pn	08 24 06.2	0.0
TWS1	Kuangyingshan	1.61 281	P	Pn	08 24 06.2	-0.2
YHNB	Yeheng	1.63 266	ePn	Pn	08 24 05.8	-1.0
YHNB	Yeheng	1.63 266	↓P	Pn	08 24 06.6	-0.2
ETLH	ownshi	1.64 249	eP	Pn	08 24 07.5	+0.6
NSK	Sanguang	1.64 266	↓P	Pn	08 24 06.9	0.0
NNSB	Datong	1.66 257	↓P	Pn	08 24 07.1	-0.1
NNS	Nan Shan	1.67 258	P	Pn	08 24 07.5	+0.2
ENLB	Shouteng	1.68 238	↓P	Pn	08 24 07.2	-0.2
WLTB	Daxi	1.73 272	eP	Pn	08 24 08.0	-0.1
JIRB	Irabujima	1.83 89	P	Pn	08 24 10.1	+0.7
WHF	Hehuan Shan	1.85 250	P	Pn	08 24 10.4	+0.3
ESL	Shilin	1.86 238	P	Pn	08 24 09.0	-0.8
TWT	Tachien	1.89 253	P	Pb	08 24 11.6	-0.8
JKM	Ikemajima	1.90 86	P	Pn	08 24 10.6	+0.2
TDCB	Techi	1.90 254	eP	Pn	08 24 11.6	+1.0
JMJ	Miyako jima 2	1.94 89	eP	Pg	08 24 14.2	-0.4
EGFH	Guangfu	1.94 235	eP	Pn	08 24 10.5	-0.5
CHGB	Renai	1.96 248	↓P	Pn	08 24 11.9	+0.5
NSTT	Nanjiang	1.97 265	eP	Pn	08 24 12.6	+1.2
SBCB	Hsinchu	1.98 270	eP	Pn	08 24 11.7	+0.2
HSN	Hsinchu	1.99 270	eP	Pn	08 24 12.4	+0.7
OWD	Renai	2.00 245	eP	Pn	08 24 11.9	+0.1
HGSD	Ruisui	2.06 231	eP	Pn	08 24 11.6	-0.9
WHP	Taichung City	2.08 256	eP	Pb	08 24 14.9	-0.8
WHD	WVD1	2.12 241	↓P	Pn	08 24 13.6	+0.2
EYH	Hungye	2.12 233	eP	Pn	08 24 12.7	-0.8
NMLH	Miaoili	2.17 263	eP	Pn	08 24 14.9	+0.8
YULB	Yu-li	2.21 231	ePn	Pn	08 24 14.3	-0.3
YULB	Yu-li	2.21 231	↓P	Pn	08 24 13.9	-0.7
NSY	Sanyi	2.22 260	eP	Pn	08 24 16.1	+1.4
TWQ1	Liyutan	2.22 259	eP	Pb	08 24 16.7	-1.3
TWF1	Yuli	2.23 230	↓P	Pn	08 24 14.7	-0.3
SSLB	Suanglung	2.25 244	ePn	Pn	08 24 15.5	+0.2
SSLB	Suanglung	2.25 244	↓P	Pn	08 24 15.6	+0.4
SSLB			eS	Sn	08 24 41.1	-2.3
SMLT	Sun Moon Lake	2.26 246	↓P	Pn	08 24 16.3	+0.9
PTSB	Yuanli	2.26 261	eP	Pn	08 24 17.2	+1.8
FULB	Fuli	2.34 227	eP	Pn	08 24 15.0	-1.4
WDJ	Dajia District	2.34 259	eP	Pn	08 24 18.3	+1.9
TCU	Taichung	2.36 254	eP	Pn	08 24 18.5	+1.9
WHYT	Xinyi Township	2.38 243	eP	Pn	08 24 18.4	+1.4
WJS	Zhushan	2.43 247	eP	Pn	08 24 19.6	+2.0
WNT	Mingjian	2.44 248	eP	Pn	08 24 19.7	+1.9
WLOH	Zhanghua	2.48 254	eP	Pn	08 24 19.7	+1.4
ELCH	Lidau	2.54 231	eP	Pn	08 24 18.5	-0.7
CHNS	Tsauling	2.57 243	eP	Pn	08 24 21.0	+1.4
WGK	Gukeng	2.62 245	eP	Pn	08 24 21.6	+1.4
WDLH	Douliu	2.64 246	eP	Pn	08 24 22.1	+1.5
RLNB	Erlin	2.71 251	eP	Pn	08 24 22.3	+0.8
STYT	Taiyuan	2.74 234	eP	Pn	08 24 22.1	+0.1
TWGBT	Belnan	2.75 224	eP	Pn	08 24 20.9	-1.2
TWG	Pinlang	2.75 224	ePn	Pn	08 24 21.3	-0.9
TWG	Pinlang	2.75 224	↓P	Pn	08 24 21.2	-0.9
TTN	Taitung	2.75 222	eP	Pn	08 24 22.0	-0.1
TPUB	Ta-pu	2.76 238	ePn	Pn	08 24 23.8	+1.6
TPUB	Ta-pu	2.76 238	↓P	Pn	08 24 23.8	+1.6
WTP	Ta-pu	2.80 237	↓P	Pn	08 24 24.3	+1.5
CHY	Chiayi	2.82 243	eP	Pn	08 24 24.0	+1.0
TKW	Hsiinying	2.88 238	eP	Pn	08 24 25.3	+1.3
CHN1	Nanshi	2.90 237	eP	Pn	08 24 25.4	+1.3
SGST	Jiashian	2.92 234	↓P	Pn	08 24 26.1	+1.7
SLGT	Liugu	2.92 232	↓P	Pn	08 24 25.5	+1.0
ECL	Taimali	2.99 223	eP	Pn	08 24 24.2	-1.1
SSD	Sandimen	3.09 229	eP	Pn	08 24 28.2	+1.4
PTTC	Pingtan	3.15 283	eP	Pn	08 24 27.1	-0.5
MASBT	Mashibuluo	3.18 227	eP	Pn	08 24 28.0	-0.1
TWM1	Shoushan	3.19 232	eP	Pn	08 24 30.5	+2.3
MATB	Ma-tsu	3.20 295	eP	Pn	08 24 28.1	-0.2
SGLT	Jiouru	3.21 230	eP	Pn	08 24 30.2	+1.9
EAST	Anshuo	3.21 222	eP	Pn	08 24 27.7	-0.8
SNJT	Kaohsiung City	3.30 232	eP	Pn	08 24 32.0	+2.4
SSPT	Xinbi	3.31 226	eP	Pn	08 24 31.0	+1.2
SCZT	Fangliu	3.36 224	eP	Pn	08 24 32.0	+1.6
WVUC	WVUC	3.38 274	eP	Pn	08 24 30.3	-0.4
XPSS	Dashijiu	3.41 309	eP	Pn	08 24 33.9	+2.8
PNG	Penghu	3.52 250	eP	Pn	08 24 32.4	-0.2
PHUB	Peng-hu	3.52 249	eP	Pn	08 24 31.3	-1.4

LYJJ	baz=248 Jianjiangzhen	3.53 300	eP	Pn	08 24 33.0	+0.3
WLCH	Luoliu	3.53 227	eP	Pn	08 24 35.7	+3.0
TWP	Hsiaoiliu	3.55 227	eP	Pn	08 24 34.7	+1.7
WDGT	Dungji	3.55 245	eP	Pn	08 24 33.6	+0.5
HEN	Hengchun	3.57 219	eP	Pn	08 24 33.0	-0.3
TWKB	Hengchun	3.58 218	eP	Pn	08 24 32.7	-0.7
PTMZ	Houxiangcun	3.68 274	eP	Pn	08 24 35.5	+0.7
VCHM	Qimei	3.76 246	eP	Pn	08 24 36.9	+0.9
MHZQ	Yeshan	3.95 290	eP	Pn	08 24 39.5	+0.9
QZH	Quanzhou	4.15 273	Pn	Sn	08 24 42.5	+1.2
QZH	Quanzhou		Sn	Sn	08 25 29.1	-1.1
QZH	comp=N,7um,9.7s		LR	LR		
QZH	comp=E,5um,7.1s		LR	LR		
KNM	comp=Z,7um,9.0s	4.32 266	eP	Pn	08 24 45.9	+2.2
KNMB	Chin-men Tao	4.36 267	ePn	Pn	08 24 44.2	+0.1
KNMB	Chin-men Tao	4.36 267	eP	Pn	08 24 44.4	+0.2
AXDP	Jialang	4.72 272	eP	Pn	08 24 49.2	+0.1
ZPLA	Ao Xicun	5.01 261	eP	Pn	08 24 52.6	-0.6
JOW	Kunigami	5.03 65	Pn	Pn	08 24 52.5	-0.9
JOW	Kunigami	5.03 65	ePn	Pn	08 24 55.0	+1.6
JOW	Kunigami	5.03 65	eP	Pn	08 24 57.2	+3.8
ZZJH	Jiuhuzhen	5.04 267	eP	Pn	08 24 54.0	+0.4
NJ2	Nanjing	8.15 333	eP	Pmax	08 25 37.1	+0.8
NJ2	comp=Z,14nm,0.7s		LR	LR		
NJ2	comp=N,3um,18.3s		LR	LR		
NJ2	comp=E,5um,10.8s		LR	LR		
NJ2	comp=Z,3um,18.8s		LR	LR		
WHN	Wuhan	9.68 308	P	Sn	08 25 58.3	+1.1
WHN	Wuhan		S	Sn	08 28 00.1	+1.4
WHN	Wuhan		LR	LR		
WHN	comp=N,18um,12.2s		LR	LR		
WHN	comp=E,14um,12.4s		LR	LR		
JUNU	Katsuke	10.69 37	Pn	Pn	08 26 11.0	-0.1
TGY	Tagayay City	10.85 192	LR	LR	08 30 59.3	
TJN	Taion	12.09 161	eP	Pn	08 26 29.4	-0.8
KS15	Wonju Array Si	13.23 17	ePn	Pn	08 26 47.6	+1.8
KSRS	Korea Array	13.25 17	Pn	Pn	08 26 47.6	+1.6
KSRS	Korea Array	13.25 17	Pn	LR	08 32 58.7	
KSRS	comp=Z,1um,18.4s,baz=196,slow=43		LR	LR		
KS01	Wonju Array Si	13.26 17	ePn	Pn	08 26 49.4	+3.1
QIZ	Qiongzong	13.63 248	P	Sn	08 26 51.3	0.0
QIZ	Qiongzong		S	Sn	08 29 23.3	+0.2
QIZ	comp=N,1um,11.3s		LR	LR		
QIZ	comp=E,1um,13.2s		LR	LR		
QIZ	comp=Z,900nm,16.7s		LR	LR		
GYA	Guiyang	14.97 280	P	Pn	08 27 11.0	+1.2
GYA	Guiyang		PP	Pn	08 27 22.3	+4.5
GYA	Guiyang		Sn	Sn	08 29 57.8	+1.7
GYA	Guiyang		SS	S	08 30 14.0	-0.1
GYA	Guiyang		SS	Pmax		
GYA	comp=Z,10.0nm,0.6s		Pmax	Pmax		
GYA	comp=Z,110nm,4.8s		LR	LR		
GYA	comp=N,1um,13.5s		LR	LR		
GYA	comp=Z,1um,12.9s		LR	LR		
XAN	Xi'an	15.43 310	P	P	08 27 22.5	+2.1
XAN	Xi'an		Pmax	Pmax		
XAN	comp=Z,13nm,1.2s		LR	LR		
XAN	comp=N,5um,15.2s		LR	LR		
XAN	comp=E,3um,14.6s		LR	LR		
XAN	comp=Z,1um,11.4s		LR	LR		
XAN	Xi'an	15.43 310	ePn	Pn	08 27 14.8	-1.0
XAN	Xi'an	15.43 310	eP	Pn	08 27 14.8	-1.0
XAN	Xi'an		Pmax	Pmax		
JHJ	Hachijo jima 2	16.73 57	LR	LR	08 33 20.2	
MAJO	Matsushiro	17.42 44	ePn	Pn	08 27 40.8	-0.3
MAJO	Matsushiro	17.42 44	eP	Pn	08 27 40.8	-0.3
MJAR	Matsushiro Arr	17.42 44	P	Pn	08 27 40.8	-0.3
MJAR	Matsushiro Arr	17.42 44	P	Pn	08 27 40.8	-0.3
MJAR	comp=Z,323nm,19.2s,baz=265,slow=40		LR	LR	08 35 03.3	
DAV	Davao City (W)	17.79 172	LR	LR	08 34 35.6	
DAV	Davao City (W)	17.79 172	LR	LR	08 34 35.6	
SLVN	Son La	18.05 263	ePn	Pn	08 27 49.2	+0.2
CD2	Chengdu	18.19 294	P	P	08 27 51.0	0.0
CD2	Chengdu		S	Sn	08 31 14.0	-0.1
CD2	Chengdu		S	Pmax		
CD2	comp=Z,50nm,0.6s		Pmax	Pmax		
CD2	comp=Z,1um,7.2s		LR	LR		
CD2	comp=Z,5um,8.9s		LR	LR		
CD2	comp=Z,4um,9.9s		LR	LR		
CD2	comp=Z,3um,9.3s		LR	LR		
KMI	Kunming	18.52 275	P	Pn	08 27 56.9	+1.9
KMI	Kunming		S	Sn	08 31 18.5	-3.9
KMI	Kunming		Pmax	Pmax		
KMI	comp=Z,26nm,0.6s		LR	LR		
KMI	comp=Z,770nm,7.4s		LR	LR		
KMI	comp=Z,3um,9.8s		LR	LR		
KMI	comp=Z,3um,9.8s		LR	LR		
HHC	Hu-hao-te	18.70 332	eP	Pn	08 27 57.8	+0.8
HHC	Hu-hao-te		pP	Pn	08 28 02.1	+1.8
HHC	Hu-hao-te		S	Sn	08 31 22.6	-3.8
HHC	Hu-hao-te		Pmax	Pmax		
HHC	comp=Z,26nm,0.8s		Pmax	Pmax		
HHC	comp=Z,990nm,6.1s		LR	LR		
HHC	comp=Z,1um,14.5s		LR	LR		
HHC	comp=Z,2um,16.0s		LR	LR		
HHC	comp=Z,2um,16.0s		LR	LR		
DLV	T Lat	18.89 230	eP	Pn	08 28 00.6	+1.2
DLV	T Lat		Pn	Pn	08 28 00.6	+1.2
MSHR	Myang Shultsa	18.92 181	eP	P	08 27 58.8	0.0
CN2	Changchun	19.04 5	eP	P	08 28 02.3	+1.4
CN2	Changchun		eS	PwP	08 28 09.4	+5.5
CN2	Changchun		eS	Pmax	08 31 30.6	-3.8
CN2	comp=Z,30nm,1.1s		LR	LR		
CN2	comp=Z,2um,13.0s		LR	LR		

17d 8h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Pangkal Pinang, Mandailing Nat, Rengat, etc.

2015 APR

Table with columns: Station Name, Time, Res, and various codes. Includes stations like MBWA Marble Bar, PSAA0 Pilbara Seismi, KK31 Karatay Array, etc.

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Table with columns: Station Name, Time, Res, and various codes. Includes stations like EKA Eskdalemuir Ar, B08A Colville Reser, NEW Newport, etc.

IDC 17 08:24:09.3, 0.53:58N-87:83E, h0km, mb1 3.1/2, mb1mx3.0/64, mbmp3.1/2, ML2.7/2, Error ellipse: s-maj=26.1km s-min=14.9km az=61.0

KRAR 17 08:24:08.4, 0.5355N-87:63E, M2.2, Industrial explosion (after: The Earthquake of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

IDC 17 08:26:21.4, 1.9, 60:46N-29:07E, h0km, mb1 3.3/3, mb1mx3.1/53, mbmp3.3/3, ML2.1/3, Error ellipse: s-maj=19.2km s-min=12.9km az=21.0

ISC/JB 17 08:26:24.7, 0.8, 61:06N-0:03-29:05E, h0km, Error ellipse: s-maj=6.5km s-min=3.7km az=32.9

HEL 17 08:26:28.6, 0.2, 61:00N-29:03E, h0km, ML2.3, Explosion MOS 17 08:26:29.1, 60:97N-29:01E, M2.3, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

BER 17 08:26:30.8, 3.7, 60:97N-28:92E, h0km, ML2.5(NAO), Suspected explosion NAO 17 08:26:30.1, 1.8, 60:85N-28:84E, ML2.5

ISC 17 08:26:29.5, 1.2, 61:02N-0:04-28:72E, h0km, m23, 175/38, Finland-Karelia border region

baz=168,slow=12
ARCES ARCES Array B 8.65 352 Pn Ph 08 28 33.2 -2.5
comp=2.0,0nm,0.3s,baz=170,slow=12,SNR=5.2

IDC 17 08:26:43.7.1.3,24:85N,124:21E,h0km,mb3.5/3,
mb1 3.8/3,mb1mx3.3/6.1,mbtmp3.5/3,Error ellipse:
s-maj=60.8km s-min=29.5km az=68.0,Southwestern
Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:28:28.2.1.1,25:03N,123:04E,h0km,mb3.5/5,
mb1 3.7/5,mb1mx3.4/6.0,mbtmp3.5/5,Error ellipse:
s-maj=72.9km s-min=26.0km az=71.0,Northeast of
Taiwan
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:29:47.4.1.2,24:86N,122:99E,h0km,mb3.4/5,
mb1 3.7/5,mb1mx3.4/6.0,mbtmp3.4/5,Error ellipse:
s-maj=75.1km s-min=24.0km az=70.0,Taiwan region
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:32:55.8.1.6,26:12N,99:93E,h0km,mb3.5/2,
mb1 3.8/3,mb1mx3.2/5.9,mbtmp3.6/3,ML4.1/1,MS3.5/1,
Ms1 3.5/1,ms1mx2.9/5.1,Error ellipse: s-maj=57.1km
s-min=25.0km az=70.0
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:32:57.0.1.1,25:93N,120:07:99.67E,0:07,h10km,n11,
c2606/13,Yunnan
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:35:30.4.1.0,24:195N,123:42E,h0km,mb3.5/8,
mb1 3.7/8,mb1mx3.5/6.1,mbtmp3.5/6,Error ellipse:
s-maj=43.6km s-min=18.9km az=68.0
ISCJB 17 08:35:32.0.1.1,24:88N,123:32E,0:04,
h21km,10km,mb3.4/8,Error ellipse: s-maj=11.0km
s-min=5.8km az=177.4
JMA 17 08:35:32.4.0.3,24:85N,123:30E,h31km,M3.2
ISC 17 08:35:30.5.1.6,24:94N,123:36E,0:04,h6km,12km,
n17,c1930/24,mb3.6/8,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:37:09.1.0.24:7N,0:1:123:4E,0:2,h16km,mb3.3/6,
Error ellipse: s-maj=32.0km s-min=18.9km az=156.6
IDC 17 08:38:07.1.1.2,24:75N,123:41E,h0km,mb3.4/6,

mb1 3.7/6,mb1mx3.4/5.8,mbtmp3.4/6,Error ellipse:
s-maj=39.9km s-min=24.0km az=69.0
ISC 17 08:38:09.6.1.2,24:7N,0:2:123:4E,0:2,h16km,n6,
c070/6,mb3.4/6,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

JMA 17 08:40:14.4.0.6,24:79N,123:30E,h26km,M3.0
ISCJB 17 08:40:15.4.1.9,24:8N,0:1:123:31E,0:05,h16km,
mb3.5/5,Error ellipse: s-maj=17.6km s-min=5.6km
az=173.8
IDC 17 08:40:21.8.1.1,24:31N,123:25E,h0km,mb3.5/5,
mb1 3.7/5,mb1mx3.4/5.7,mbtmp3.5/6,Error ellipse:
s-maj=64.5km s-min=21.6km az=71.0
ISC 17 08:40:16.9.2.2,24:7N,0:2:123:33E,0:04,h16km,n11,
c1861/10,mb3.6/5,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

ISCJB 17 08:42:52.2.1.3,24:89N,120:07:123:39E,0:04,h10km,
mb3.3/4,Error ellipse: s-maj=10.5km s-min=5.1km
az=172.6
JMA 17 08:42:52.3.0.3,24:90N,123:34E,h32km,M3.0
IDC 17 08:43:05.5.1.5,24:49N,122:46E,h0km,mb3.4/4,
mb1 3.7/4,mb1mx3.3/5.6,mbtmp3.4/4,Error ellipse:
s-maj=41.9km s-min=33.0km az=81.0
ISC 17 08:42:53.1.7.1,24:87N,120:09:123:41E,0:04,h10km,n12,
c129/15,mb3.5/4,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

JMA 17 08:44:30.0.3.0,24:80N,123:29E,h34km,M3.3
ISCJB 17 08:44:34.2.1.1,24:82N,123:56E,0:07,h33km,
mb3.5/5,Error ellipse: s-maj=14.5km s-min=4.3km
az=34.5
IDC 17 08:44:34.5.1.1,24:81N,121:99E,h0km,mb3.5/5,
mb1 3.8/5,mb1mx3.4/5.3,mbtmp3.5/5,Error ellipse:
s-maj=64.1km s-min=21.7km az=68.0
TAP 17 08:44:41.1,24:76N,122:84E,h5km,1km,ML3.2,D
ISC 17 08:44:30.6.1.8,24:82N,123:45E,0:04,h4km,12km,
n38,c1855/41,mb3.5/5,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:44:30.6.1.8,24:82N,123:45E,0:04,h4km,12km,
n38,c1855/41,mb3.5/5,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:44:30.6.1.8,24:82N,123:45E,0:04,h4km,12km,
n38,c1855/41,mb3.5/5,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

FULB Fuli 2.53 232 eP Pb 08 45 17.7 +0.1
baz=222
TWGBT Beinan 2.92 229 eP Pb 08 45 23.1 -0.2
baz=219
TWG Pinlang 2.93 229 eP Pb 08 45 23.9 +0.6
baz=219
WTP Ta-pu 2.01 240 eP Pb 08 45 23.1 -1.8
baz=233
SONM Songino Array 26.63 334 P P 08 45 08.4 -2.4
0.1nm,0.8s,baz=134,slow=8.3,SNR=2.6
MKAR Makanchi Array 39.37 315 P P 08 51 58.4 -2.9
0.1nm,0.3s,baz=111,slow=8.9,SNR=2.4
WRA Warramunga Arr 45.74 166 P P 08 52 59.8 +6.9
0.6nm,0.6s,baz=349,slow=6.7,SNR=2.5
ASAR Alice Springs 49.21 167 P P 08 53 27.4 +7.1
0.6nm,0.8s,baz=348,slow=6.6,SNR=4.7
YKA Yellowknife Arr 81.61 23 P P 08 56 57.4 +7.9
0.4nm,0.7s,baz=311,slow=5.0,SNR=8.9

IDC 17 08:45:06.1.1.2,24:99N,123:80E,h0km,mb3.6/4,
mb1 3.9/4,mb1mx3.4/5.4,mbtmp3.4/4,MS4.1/1,Ms1 4.1/1,
ms1mx3/0.48,Error ellipse: s-maj=85.7km
s-min=23.3km az=77.0,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:45:15.9.3.3,53:63N,88:00E,h0km,mb1 3.0/2,
mb1mx2.9/5.7,mbtmp3.0/2,ML2.7/2,Error ellipse:
s-maj=28.6km s-min=16.4km az=59.0
KRAR 17 08:45:15.5.0.1,53:62N,87:85E,M2.1,Industrial
explosion (after: The Earthquakes of Russia in 2012.
Obninsk, GS RAS, 224p + CD-ROM, 2014),
Southwestern Siberia
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:47:12.3.2.6,80:2'S,132:58E,h0km,mb3.4/1,
mb1 3.4/4,mb1mx3.2/4.2,mbtmp3.2/4,ML3.1/3,Error
ellipse: s-maj=74.4km s-min=29.6km az=89.0,Tanimbar
Islands region
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:47:22.9.0.1,24:87N,123:28E,h23km,M3.2
IDC 17 08:47:23.1.1.2,24:67N,123:03E,h0km,mb3.4/5,
mb1 3.6/5,mb1mx3.4/5.0,mbtmp3.4/5,Error ellipse:
s-maj=35.0km s-min=25.6km az=68.0
ISC 17 08:47:23.1.2.4,24:81N,120:10:123:37E,0:06,h4km,17km,
n13,c1906/18,mb3.4/5,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:47:23.1.1.2,24:67N,123:03E,h0km,mb3.4/5,
mb1 3.6/5,mb1mx3.4/5.0,mbtmp3.4/5,Error ellipse:
s-maj=35.0km s-min=25.6km az=68.0
ISC 17 08:47:23.1.2.4,24:81N,120:10:123:37E,0:06,h4km,17km,
n13,c1906/18,mb3.4/5,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:52:30.4.1.1,24:90N,123:38E,h0km,mb3.5/7,
mb1 3.7/7,mb1mx3.4/5.5,mbtmp3.5/7,Error ellipse:
s-maj=63.2km s-min=20.7km az=66.0
JMA 17 08:52:31.5.0.8,24:83N,123:47E,h30km,M3.1
ISC 17 08:52:31.5.0.8,24:83N,123:47E,0:04,h10km,n15,
c085/19,mb3.4/7,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

IDC 17 08:52:30.4.1.1,24:90N,123:38E,h0km,mb3.5/7,
mb1 3.7/7,mb1mx3.4/5.5,mbtmp3.5/7,Error ellipse:
s-maj=63.2km s-min=20.7km az=66.0
JMA 17 08:52:31.5.0.8,24:83N,123:47E,h30km,M3.1
ISC 17 08:52:31.5.0.8,24:83N,123:47E,0:04,h10km,n15,
c085/19,mb3.4/7,Southwestern Ryukyu Islands
Code Station Name Az AZZ Phase ID Time Res
ISC h m s ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YONAGUNI, IRIFU, HATERUMA, etc.

IDC 17 08:55:11.3, 0.7, 33.96N, 139.35E, h0km, mb3.8/13, mb1.3/9.17, mb1mx3.8/6.3, mbtmp3.8/17, ML3.6/4, Error ellipse: s-maj=19.7km s-min=12.1km az=75.0

ISC/JB 17 08:55:13.0, 0.5, 34.01N, 0.04, 139.30E, h0.07, h21km, 4km, mb3.8/13, Error ellipse: s-maj=10.9km s-min=5.2km az=158.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JMKM, JKO, JSK, etc.

ISC/JB 17 08:57:00.1, 0.8, 25.31N, 0.05, 128.96E, h0.05, h26km, mb3.5/3, Error ellipse: s-maj=7.3km s-min=5.6km az=136.8

JMA 17 08:57:00.0, 0.3, 25.27N, 129.02E, h52km, M3.7, IDC 17 08:57:19.5, 1.4, 24.82N, 123.25E, h0km, mb3.7/6, mb1.3/9.6, mb1mx3.6/5.7, mbtmp3.7/6, Error ellipse: s-maj=49.9km s-min=20.5km az=63.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JTT, JTH, JTW, etc.

BUJ 17 08:57:16.4, 33.93N, 139.73E, h10km, mb4.9/43, mb5.0/21, Ms5.3/8, Ms7.5/25, IDC 17 08:57:17.6, 0.4, 34.02N, 139.37E, h0km, mb4.5/41, mb1.4/6.47, mb1mx4.5/6.5, mbtmp4.5/47, ML4.2/5, MS5.0/2, Ms1.5/0.2, ms1mx4.7/12, Error ellipse: s-maj=11.4km s-min=9.0km az=80.0

JMA 17 08:57:19.4, 0.1, 34.07N, 139.38E, h14km, 1km, M5.1, NEIC 17 08:57:19.7, 2.1, 34.06N, 139.36E, h11km, 3km, mb4.9/201, Error ellipse: s-maj=11.6km s-min=9.1km az=75.0

NEIC Feil III MMS, ISC/JB 17 08:57:19.7, 2.0, 1.34, 0.07N, 0.02, 139.34E, h0.02, h18km, mb4.8/249, Error ellipse: s-maj=2.4km s-min=2.2km az=17.5

MOS 17 08:57:22.2, 1.7, 34.03N, 139.45E, h39km, Mb5.2/64, MS5.5/23, Error ellipse: s-maj=6.5km s-min=4.0km az=108.5

ISC 17 08:57:20.9, 0.2, 34.09N, 0.02, 139.49E, h0.03, h18km, h18km: pp-P, n640, s2903/684, mb4.9/249, 17C-24D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JMKM, JKO, JSK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AJI, JHU, BS04, etc.

ISC/JB 17 08:57:00.1, 0.8, 25.31N, 0.05, 128.96E, h0.05, h26km, mb3.5/3, Error ellipse: s-maj=7.3km s-min=5.6km az=136.8

JMA 17 08:57:00.0, 0.3, 25.27N, 129.02E, h52km, M3.7, IDC 17 08:57:19.5, 1.4, 24.82N, 123.25E, h0km, mb3.7/6, mb1.3/9.6, mb1mx3.6/5.7, mbtmp3.7/6, Error ellipse: s-maj=49.9km s-min=20.5km az=63.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JTT, JTH, JTW, etc.

Table with columns: UGL, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Dalian, Sheshan, Gornyy, etc.











BRBK	Bradley Lake	51.27	38	PFAKE	LR	09 06 50.0	+12
SUA	Susitna One	51.28	35	PFAKE	LR	09 06 50.0	+12
MLY	Manley	51.29	31	PFAKE	LR	09 06 50.0	+12
BVAO	Borovoye Array	51.37	314	P	P	09 06 38.8	+0.2
BVAR	Borovoye Array	51.37	314	P	P	09 06 39.4	+0.8
BVAR	Borovoye Array	51.37	314	P	P	09 07 53.8	+0.6
BRVK	Borovoye	51.43	314	eP	P	09 06 39.5	+0.5
BRVK	Borovoye	51.43	314	eP	LR	09 06 39.5	+0.5
BRVK	Borovoye	51.43	314	eP	pmax	09 06 39.5	+0.5
BRVK	Borovoye	51.43	314	eP	MLR	09 06 39.5	+0.5
TRF	Thorofare Moun	51.47	33	PFAKE	LR	09 06 50.0	+11
COLD	Coldfoot	51.60	28	eP	P	09 06 41.3	+1.2
RC01	Rabbit Creek A	51.78	36	PFAKE	LR	09 06 50.0	+8.4
BWN	Browne	51.83	32	PFAKE	LR	09 07 00.0	+18
ARSB	Arslanbob	51.87	299	PFAKE	LR	09 07 00.0	+17
TOLK	Toolik Lake Re	51.91	26	PFAKE	LR	09 07 00.0	+17
TOLK	Toolik Lake Re	51.91	26	P	P	09 06 44.3	+1.8
SEW	Seward	51.97	37	PFAKE	LR	09 07 00.0	+17
MCK	McKinley	52.07	32	PFAKE	LR	09 07 00.0	+16
RND	Reindeer	52.12	33	eP	P	09 06 43.5	-0.7
RND	Reindeer	52.12	33	eP	MLR	09 06 43.5	-0.7
RND	Reindeer	52.12	33	eP	pmax	09 06 43.5	-0.7
RND	Reindeer	52.12	33	eP	MLR	09 06 43.5	-0.7
GHO	Glory Hole Cre	52.14	35	PFAKE	LR	09 07 00.0	+16
MDM	Murphy Dome	52.36	31	eP	P	09 06 46.2	+0.3
MDM	Murphy Dome	52.36	31	eP	LR	09 06 46.2	+0.3
KNK	Knik Glacier	52.38	35	eP	P	09 06 45.5	-0.6
KNK	Knik Glacier	52.38	35	eP	LR	09 06 45.5	-0.6
SML	Sawmill	52.42	35	PFAKE	LR	09 07 00.0	+14
WRH	Wood River Hill	52.43	31	PFAKE	LR	09 07 00.0	+14
TCOL	CIGO, UAF Yank	52.52	31	P	P	09 06 48.5	+1.5
COLA	College	52.52	31	PFAKE	LR	09 07 00.0	+13
CCB	Clear Creek Bu	52.55	31	PFAKE	LR	09 07 00.0	+13
JBP	Jabalpur	52.58	275	eP	P	09 06 49.0	+1.0
JBP	Jabalpur	52.58	275	eP	S	09 14 16.8	+2.1
POKR	Poker Plat Res	52.69	31	eP	P	09 06 49.2	+0.9
SCM	Sheep Creek Mo	52.89	35	PFAKE	LR	09 07 00.0	+10
HDA	Harding Lake	52.92	32	PFAKE	LR	09 07 00.0	+10
HDA	Harding Lake	52.92	32	P	P	09 06 49.3	-0.7
IL1	Eielson Array	52.94	31	eP	P	09 06 49.5	-0.7
ILAR	Eielson Array	52.94	31	eP	P	09 06 49.4	-0.7
ILAR	Eielson Array	52.94	31	eP	S	09 14 19.5	+0.9
ILB	Karatay Array	53.19	301	eP	P	09 06 49.4	-0.7
KK31	Karatay Array	53.19	301	eP	P	09 06 52.3	0.0
KK31	Karatay Array	53.19	301	iP	pmax	09 06 52.5	+0.2
FITZ	Fitzroy Crossi	53.46	196	P	P	09 06 52.9	-1.5
FITZ	Fitzroy Crossi	53.46	196	eP	P	09 06 52.9	-1.5
PRP	Porcupine Dome	53.48	30	eP	P	09 06 56.2	+1.9
FYU	Fort Yukon	53.55	29	PFAKE	LR	09 07 10.0	+15
KLU	Klutina	53.59	35	PFAKE	LR	09 07 10.0	+15
PAX	Paxson	53.67	33	PFAKE	LR	09 07 10.0	+14
DIV	Divide	53.70	36	PFAKE	LR	09 07 10.0	+14
WB9	Warramunga Arr	53.73	186	PFAKE	LR	09 07 10.0	+14
WB8	Warramunga Arr	53.76	186	PFAKE	LR	09 07 10.0	+13
EYAK	Cordova Ski Ar	53.77	36	eP	P	09 06 57.5	+1.2
BTK	Batken	53.79	298	eP	P	09 06 56.9	0.0
BTK	Batken	53.79	298	eP	pmax	09 06 56.9	0.0
WB6	Warramunga Arr	53.80	186	PFAKE	LR	09 07 10.0	+13
WB5	Warramunga Arr	53.82	186	PFAKE	LR	09 07 10.0	+13
WB4	Warramunga Arr	53.85	186	PFAKE	LR	09 07 10.0	+13
HARP	HAARP	53.87	34	PFAKE	LR	09 07 10.0	+13
WB3	Warramunga Arr	53.87	186	PFAKE	LR	09 07 10.0	+13
WC2	Warramunga Arr	53.87	186	PFAKE	LR	09 07 10.0	+13
WC1	Warramunga Arr	53.87	186	PFAKE	LR	09 07 10.0	+13

WRAB	Tennant Creek	53.88	186	PFAKE	LR	09 07 10.0	+13
WRAB	Tennant Creek	53.88	186	eP	pmax	09 06 55.9	-1.6
WB2	Warramunga Arr	53.88	186	PFAKE	LR	09 07 10.0	+12
WR1	Warramunga Arr	53.89	186	eP	P	09 06 55.0	-2.5
WR1	Warramunga Arr	53.89	186	eP	P	09 06 55.0	-2.5
WRA	Warramunga Arr	53.89	186	eP	ScP	09 12 00.7	+0.2
WRA	Warramunga Arr	53.89	186	eP	ScP	09 37 34.2	
WR0	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
WR7	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
WR9	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
WR2	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
WR3	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
WR4	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
WR5	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
WR6	Warramunga Arr	53.89	186	PFAKE	LR	09 07 10.0	+12
RIDG	Independ'e Rid	53.89	32	PFAKE	LR	09 07 10.0	+13
WC3	Warramunga Arr	53.90	186	PFAKE	LR	09 07 10.0	+12
WC4	Warramunga Arr	53.91	186	PFAKE	LR	09 07 10.0	+12
NIL	Nilore	53.97	289	PFAKE	LR	09 07 10.0	+12
CTA	Charters Tower	54.23	172	P	P	09 06 58.9	-1.1
CTA	Charters Tower	54.23	172	eP	P	09 06 58.9	-1.1
CTAO	Charters Tower	54.23	172	eP	P	09 06 58.8	-1.2
CTAO	Charters Tower	54.23	172	eP	LR	09 06 58.8	-1.2
CTAO	Charters Tower	54.23	172	eP	pmax	09 06 58.8	-1.2
CTAO	Charters Tower	54.23	172	eP	MLR	09 06 58.8	-1.2
DOT	Dot Lake	54.24	32	PFAKE	LR	09 07 10.0	+10
SCRK	Sand Creek	54.25	32	PFAKE	LR	09 07 10.0	+10
HMT	Hamilton	54.53	36	PFAKE	LR	09 07 10.0	+8.1
XMIS	Christmas Isla	54.61	222	PFAKE	LR	09 07 10.0	+7.0
BALM	Baldy	55.36	35	eP	P	09 07 08.0	0.0
BALM	Baldy	55.36	35	eP	LR	09 07 08.0	0.0
BALM	Baldy	55.36	35	eP	pmax	09 07 08.0	0.0
BALM	Baldy	55.36	35	eP	MLR	09 07 08.0	0.0
EGAK	Eagle	55.38	31	PFAKE	LR	09 07 20.0	+12
CTGM	Chitina Glacie	55.86	35	PFAKE	LR	09 07 20.0	+8.4
OPA	Opana	55.99	85	eP	P	09 07 10.8	-2.2
OPA	Opana	55.99	85	eP	pmax	09 07 10.8	-2.2
DAWY	Dawson	56.24	32	eP	P	09 07 15.4	+1.2
SVE	Sverdiolovsk	56.29	320	eP	S	09 07 15.2	+0.6
SVE	Sverdiolovsk	56.29	320	eP	pmax	09 07 15.2	+0.6
SVE	Sverdiolovsk	56.29	320	eP	MLR	09 07 15.2	+0.6
HYB	Hyderabad	56.43	269	iP	P	09 07 17.0	+0.8
BCPM	Baracas Point	56.87	36	PFAKE	LR	09 07 30.0	+11
KBL	Kabul	56.92	292	eP	P	09 07 20.2	+0.5
KBL	Kabul	56.92	292	eP	LR	09 07 20.2	+0.5
KBL	Kabul	56.92	292	eP	pmax	09 07 20.2	+0.5
KBL	Kabul	56.92	292	eP	MLR	09 07 20.2	+0.5
EPYK	Eagle Plains	56.97	29	PFAKE	LR	09 07 30.0	+11
EPYK	Eagle Plains	56.97	29	P	P	09 07 19.6	+0.3
ARU	Arti	57.50	319	PFAKE	LR	09 07 40.0	+17
AS01	Alice Springs	57.61	186	eP	P	09 07 23.4	-0.8
AS31	Alice Springs	57.61	186	eP	P	09 07 23.3	-0.9
ASAR	Alice Springs	57.61	186	eP	P	09 07 22.2	-2.1
ASAR	Alice Springs	57.61	186	eP	ScP	09 12 16.9	+0.1
ASAR	Alice Springs	57.61	186	eP	ScP	09 37 24.6	
HYT	Haines Junctio	57.72	35	eP	P	09 07 25.6	+0.8
HYT	Haines Junctio	57.72	35	eP	LR	09 07 25.6	+0.8
INK	Inuvik	57.83	26	P	P	09 07 25.0	-0.2
INK	Inuvik	57.83	26	P	S	09 15 23.2	-0.6
INK	Inuvik	57.83	26	P	S	09 07 24.9	-0.4
INK	Inuvik	57.83	26	P	LR	09 07 24.9	-0.4
MBWA	Marble Bar	57.97	202	eP	P	09 07 29.4	+2.6
PSAC1	Pilbara Seismi	58.30	201	PFAKE	LR	09 07 40.0	+11
PSAC2	Pilbara Seismi	58.30	201	PFAKE	LR	09 07 40.0	+11
PSAB2	Pilbara Seismi	58.30	201	PFAKE	LR	09 07 40.0	+11
PSAD3	Pilbara Seismi	58.41	201	PFAKE	LR	09 07 40.0	+10

AB31	Akbulak array	58.59	311	iP	P	09 07 29.5	-1.4
HPAH	Hawaii Prepara	58.68	86	PFAKE	LR	09 07 40.0	+8.0
KHLU	Kahalu'u	58.72	86	PFAKE	LR	09 07 40.0	+7.6
POHA	Pohakuola	58.94	86	PFAKE	LR	09 07 50.0	+16
MLOA	Mauna Loa Obse	59.01	86	eP	P	09 07 37.6	+2.8
WHY	Whitehorse	59.01	35	PFAKE	LR	09 07 50.0	+16
UWE	Uwekahuna	59.30	86	PFAKE	LR	09 07 50.0	+14
UWB	Uwekahuna B	59.31	86	PFAKE	LR	09 07 50.0	+14
SDHHI	Sand Hill	59.31	86	PFAKE	LR	09 07 50.0	+13
SBLHI	Steaming Bluff	59.32	86	PFAKE	LR	09 07 50.0	+13
HATHI	Halema'uma'u T	59.33	86	PFAKE	LR	09 07 50.0	+13
RIM	Rim	59.33	86	PFAKE	LR	09 07 50.0	+13
KKO	Keanakako'i	59.33	86	PFAKE	LR	09 07 50.0	+13
NPOC	North of Pu'u	59.47	86	PFAKE	LR	09 07 50.0	+13
BESE	Bessie Mountai	59.59	37	eP	P	09 07 40.3	+2.5
JIS	Juneau Island	59.91	38	eP	P	09 07 41.7	+1.9
PALK	Pallekele	60.06	258	eP	P	09 07 42.6	+1.0
PALK	Pallekele	60.06	258	eP	P	09 07 42.4	+0.8
PALK	Pallekele	60.06	258	eP	pmax	09 07 42.4	+0.8
EIDS	Eidsvold	60.13	168	eP	P	09 07 41.8	+0.1
COCO	West Island	61.19	229	PFAKE	LR	09 08 00.0	+11
DZM	Mont Dzumac	61.48	151	eP	P	09 07 52.6	+1.5
DZM	Mont Dzumac	61.48	151	eP	S	09 15 57.7	-1.4
DZM	Mont Dzumac	61.48	151	eP	eLR	09 25 11.0	
DZM	Mont Dzumac	61.48	151	eP	P	09 07 52.8	+1.7
WRAK	Wrangell Islan	61.54	39	PFAKE	LR	09 08 00.0	+9.0
MARNC	Mare, Loyalty	61.61	149	PFAKE	LR	09 08 00.0	+8.2
ONTNC	Ouen Toro	61.70	151	PFAKE	LR	09 08 00.0	+7.6
DLBC	Dease Lake	62.04	37	P	P	09 07 55.0	+0.6
DLBC	Dease Lake	62.04	37	eP	P	09 07 57.1	+2.6
PINNC	Pines Island,	62.37	151	PFAKE	LR	09 08 10.0	+13
HOPEN	Hopen	62.53	346	eP	P	09 07 58.9	+1.5
DIB	Dawson Inlet,	62.57	43	eP	P	09 08 00.4	+2.5
SPA0	Spitsbergen Ar	63.13	349	eP	P	09 08 01.2	-0.1
SPA0	Spitsbergen Ar	63.13	349	eP	P	09 08 02.5	+1.1
SPA0	Spitsbergen Ar	63.13	349	eP	P	09 08 01.2	-0.1
KBS	Kingsbay	63.31	350	LR	LR	09 08 20.0	+17
KBS	Kingsbay	63.31	350	eP	P	09 08 03.9	+1.4
GEYT	Alibek	63.80					

17d 8h

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like HAMF Hammerfest, ARAO ARCESS Array S, etc.

2013 APR

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

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Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like NACGM Mt. Dilo Mer, NACGM I07A, etc.





17d 8h

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like IKP, ULM, KRUC, SWSC, W13A, MODS, RWWY, GOPC, PRU, BALB, TREC, RSSD, U15A, ZST, KORT, MDVR, PDMC, KDZ, KULA, Y12C, Y12C, PLD, O20A, ALN, ALN, ALN, MANT, GLA, GLA, GLA, RZN, NKC, NKC, MORH, MORH, VTS, VTS, VTS, VTS, VTS, EZN, CONA, KHC, KHC, Y14A, N23A, N23A, PHWY, PHWY, MMB, GEC2, GEC2, GEC2.

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Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like GEC2, GEC2, GERES, WUAZ, WUAZ, AGMN, AGMN, 113A, 113A, KKB, PMOR, BEHE, ARSA, SMCO, SMCO, GRA1, GRA1, GRA1, GRF, GRF, GRF, GRF, GRFO, GRFO, GRFO, MOA, MOA, IVI, IVI, X16A, X16A, NRS, NRS, NRS, NRS, STIP, MVCO, MVCO, VAY, ISCO, ISCO, ISCO, HAPS, SOKA, SOKA, SKO, SKO, 214A, 214A, BLY, BLY, BLY, BLY, OBKA, OBKA, W18A, W18A, CRES, S22A, S22A, S22A, KBA, KRUS, X18A, X18A, MGRS, DAMY, DAMY, LIT, LIT, LIT, LIT, MYKA, Q24A, Q24A, Q24A, LJU, BOJS, BOJS, KARP, KARP, FNA, FNA, FNA, FNA, PDG, PDG, PDG, TGT, TGT, TGT, MEM, BRY, OHR, CEY, JAVS, STU, STU, DRME, WATA, ABTA.

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Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like WTTA, WTTA, OGNB, OGNB, OGNB, OGNB, HCY, EYMN, EYMN, EYMN, EYMN, SDCO, SDCO, SDCO, TRI, TRI, MOTA, MOTA, BCLA, BCLA, RETA, RETA, SQTA, SQTA, UCC, UCC, UCC, TUC, TUC, TUC, AGG, AGG, WLF, WLF, WLF, SNF, SNF, FETA, FETA, BFO, BFO, BFO, BFO, DOU, DOU, DAVA, DAVA, ECSD, ECSD, ECSD, ECSD, KSCO, KSCO, KSCO, MSEC, MSEC, FUORN, FUORN, FUORN, E38A, E38A, E38A, C40A, C40A, C40A, ECH, ECH, ECH, ECH, T25A, T25A, T25A, ANMO, ANMO, ANMO, ANMO, ANMO, F38A, F38A, TUE, TUE, SPMN, SPMN, SPMN, Y22D, Y22D, Y22D, E39A, E39A, BGNE, BGNE, BGNB, BGNB, ITM, ITM, ITM, 319A, 319A, 319A, F39A, F39A, E40A, E40A, D41A, D41A, D41A, D41A, G38A, G38A, 121A, 121A, HSG, HSG, HSG, SCHQ, SCHQ, SCHQ.

SCHQ	comp=Z,3um,20.0s	LR	LR						
H38A	Maiden Rock baz=319	88.72	34	P	P	09 10 27.5	-0.2		
F40A	Park Falls baz=321	88.74	32	P	P	09 10 26.6	-1.2		
G39A	Holcombe baz=320	88.76	33	P	P	09 10 27.0	-0.9		
SRIG	Santa Rosalia	88.82	58	PFAKE	LR	09 10 40.0	+11		
E41A	Kenton baz=322	88.82	31	P	P	09 10 27.1	-1.1		
ATD	Arta Tunnel	88.92	283	PFAKE	LR	09 10 40.0	+11		
SENI	Lac Senin/Sane comp=Z,71nm,1.9s	89.03	329	eP	P	09 10 30.9	+1.5		
SENI	Conover comp=Z,3um,20.0s	89.03	31	eP	P	09 10 30.5	+1.3		
COWI	Augusta comp=Z,36nm,1.1s	89.18	33	P	P	09 10 28.5	-1.4		
H39A	Augusta baz=320	89.18	33	P	P	09 10 28.5	-1.4		
CBKS	Cedar Bluff comp=Z,55nm,1.1s	89.19	42	eP	P	09 10 30.3	+0.2		
CBKS	Cedar Bluff comp=Z,1um,19.0s	89.19	42	eP	P	09 10 30.3	+0.2		
CBKS	Cedar Bluff comp=Z,55nm,1.1s	89.19	42	eP	P	09 10 30.3	+0.2		
CBKS	Cedar Bluff comp=Z,1um,19.0s	89.19	42	eP	P	09 10 30.3	+0.2		
G40A	Rib Lake baz=315	89.21	32	PFAKE	LR	09 10 40.0	+10		
G40A	Rib Lake baz=321	89.21	32	P	P	09 10 28.3	-1.8		
AQU	L'Aquila comp=Z,94nm,1.2s	89.26	323	eP	P	09 10 30.9	+0.5		
AQU	L'Aquila comp=Z,5um,19.0s	89.26	323	eP	P	09 10 30.9	+0.5		
AQU	L'Aquila comp=Z,95nm,1.2s	89.26	323	eP	P	09 10 30.9	+0.5		
E42A	Champion baz=322	89.29	31	P	P	09 10 29.6	-0.8		
F41A	Three Lakes comp=Z,104nm,1.5s	89.33	32	eP	P	09 10 29.9	-0.7		
F41A	Three Lakes comp=Z,2um,20.0s	89.33	32	P	P	09 10 29.7	-0.9		
VLC	Villacollemand baz=322	89.36	326	PFAKE	LR	09 10 40.0	+9.2		
H40A	Chili comp=Z,4um,21.0s	89.63	33	P	P	09 10 31.0	-1.0		
I39A	Houston comp=Z,24nm,0.9s	89.70	34	eP	P	09 10 33.2	+0.8		
I39A	Houston comp=Z,2um,22.0s	89.70	34	P	P	09 10 31.6	-0.8		
E43A	Lone Tree Farm comp=Z,46nm,1.3s	89.72	30	eP	P	09 10 34.0	+1.5		
E43A	Lone Tree Farm comp=Z,2um,20.0s	89.72	30	P	P	09 10 31.3	-1.1		
CLF	Chambon-Foret baz=323	89.72	333	PFAKE	LR	09 10 40.0	+7.7		
TIP	Timpagrande comp=Z,5um,18.0s	89.82	319	PFAKE	LR	09 10 40.0	+6.9		
EPT	El Paso comp=Z,3um,19.0s	89.87	51	PFAKE	LR	09 10 50.0	+16		
H41A	Junction City comp=Z,1um,20.0s	89.96	33	eP	P	09 10 36.1	+2.5		
E44A	Grand Marais A comp=Z,2um,19.0s	89.97	29	PFAKE	LR	09 10 50.0	+16		
J39A	Decorah baz=320	90.01	35	P	P	09 10 34.2	+0.4		
G42A	Mountain comp=Z,78nm,1.5s	90.01	32	eP	P	09 10 35.1	+1.3		
G42A	Mountain comp=Z,2um,19.0s	90.01	32	P	P	09 10 33.1	-0.7		
F43A	Flat Rock, Esc baz=323	90.08	30	P	P	09 10 33.6	-0.5		
F44A	Big Bay de Noc baz=324	90.28	30	P	P	09 10 34.0	-1.0		
I41A	Arkdale comp=Z,2um,21.0s	90.32	31	eP	P	09 10 37.0	+1.8		
G43A	Wallace comp=Z,50nm,1.1s	90.32	31	P	P	09 10 34.9	-0.4		
G43A	Wallace baz=323	90.32	31	P	P	09 10 34.9	-0.4		
BNI	Bardonecchia comp=Z,30nm,1.1s	90.33	329	eP	P	09 10 35.5	0.0		
BNI	Bardonecchia comp=Z,6um,19.0s	90.33	329	eP	P	09 10 35.5	0.0		
BNI	Bardonecchia comp=Z,30nm,1.1s	90.33	329	eP	P	09 10 35.5	0.0		
SCIA	State Center comp=Z,6um,19.0s	90.36	36	PFAKE	LR	09 10 50.0	+14		
K39A	Oelwein baz=320	90.40	35	P	P	09 10 35.4	-0.3		
J40A	Soldiers Grove baz=320	90.41	34	P	P	09 10 34.9	-0.8		
H42A	Shiocton comp=Z,18nm,1.0s	90.55	32	eP	P	09 10 38.3	+2.0		
MNTX	Cornudas Mount comp=Z,28nm,1.8s	90.64	50	eP	P	09 10 36.0	-1.0		
MNTX	Cornudas Mount comp=Z,1um,21.0s	90.64	50	P	P	09 10 35.7	-1.3		
KSU1	Kansas State U baz=311	90.69	40	PFAKE	LR	09 10 50.0	+13		
KSU1	Kansas State U comp=Z,2um,21.0s	90.69	40	P	P	09 10 36.4	-0.7		
D47A	Chapleau baz=326	90.72	27	P	P	09 10 36.8	-0.3		
MSTX	Muleshoe comp=Z,17nm,1.1s	90.75	47	eP	P	09 10 38.1	+0.5		
MSTX	Muleshoe comp=Z,1um,20.0s	90.75	47	P	P	09 10 36.7	-1.0		
K40A	Colesburg baz=320	90.76	35	P	P	09 10 36.5	-0.8		
J41A	Loganville baz=321	90.77	34	P	P	09 10 36.2	-1.1		
AMTX	Amarillo comp=Z,56nm,1.0s	90.79	46	eP	P	09 10 37.2	-0.6		
AMTX	Amarillo comp=Z,1um,20.0s	90.79	46	P	P	09 10 36.8	-1.0		
L39A	Vinton baz=320	90.79	36	P	P	09 10 36.7	-0.8		
I42A	Draeger Farm comp=Z,58nm,1.7s	90.86	33	eP	P	09 10 38.2	+0.4		
I42A	Draeger Farm comp=Z,2um,19.0s	90.86	33	eP	P	09 10 38.2	+0.4		

F45A	CMU Biological baz=324	90.89	30	P	P	09 10 36.9	-0.9		
H43A	Windswept, Lux comp=Z,30nm,1.0s	90.91	32	eP	P	09 10 37.6	-0.4		
H43A	Celeste comp=Z,2um,18.0s	90.95	319	PFAKE	LR	09 10 50.0	+12		
GD1L	Guadalupe Moun JFWF	90.95	49	eP	P	09 10 40.7	+2.1		
JFWF	Jewell Farm comp=Z,17nm,1.1s	91.01	34	eP	P	09 10 38.1	-0.4		
JFWF	Jewell Farm comp=Z,2um,22.0s	91.01	34	eP	P	09 10 38.1	-0.4		
JFWF	Jewell Farm comp=Z,17nm,1.1s	91.01	34	P	P	09 10 38.4	-0.1		
JFWF	Jewell Farm comp=Z,2um,22.0s	91.01	34	P	P	09 10 38.4	-0.1		
SSB	Saint Sauveur baz=321	91.06	330	eP	P	09 10 38.3	-0.4		
SSB	Saint Sauveur comp=Z,29nm,1.4s	91.06	330	eP	P	09 10 38.3	-0.4		
SSB	Saint Sauveur comp=Z,4um,22.0s	91.06	330	eP	P	09 10 38.3	-0.4		
SSB	Saint Sauveur comp=Z,29nm,1.4s	91.06	330	eP	P	09 10 38.3	-0.4		
D48A	Paudash Townsh baz=327	91.11	27	P	P	09 10 39.8	+0.9		
LSQQ	Lebel-sur-Quev baz=331	91.18	23	P	P	09 10 38.1	-1.0		
D49A	Beulah Townshi baz=327	91.20	26	P	P	09 10 39.2	-0.1		
M39A	Webster comp=Z,39nm,1.2s	91.21	35	eP	P	09 10 38.7	-0.7		
L40A	Anamosa comp=Z,2um,18.0s	91.21	35	P	P	09 10 38.6	-0.8		
L40A	Anamosa baz=320	91.21	35	P	P	09 10 38.6	-0.8		
K41A	Shullsburg baz=321	91.22	34	P	P	09 10 38.2	-1.3		
CHGQ	Chibougamau baz=333	91.24	21	P	P	09 10 38.0	-1.4		
U32A	Winter Ranch, U32A	91.31	43	PFAKE	LR	09 10 50.0	+10		
G46A	Petoskey baz=325	91.45	29	P	P	09 10 39.4	-1.1		
J43A	Natural Harves baz=325	91.48	33	P	P	09 10 40.6	-0.1		
K42A	Prairie Point, baz=321	91.53	34	P	P	09 10 39.9	-1.0		
L41A	Preston baz=321	91.55	35	P	P	09 10 40.1	-0.8		
E48A	Lockeyer baz=327	91.56	27	P	P	09 10 40.0	-0.9		
M40A	Post Highland baz=320	91.57	36	P	P	09 10 39.8	-1.4		
VLDQ	Vai d'Or comp=Z,38nm,1.2s	91.85	24	eP	P	09 10 43.4	+1.2		
VLDQ	Evansville comp=Z,2um,21.0s	91.93	28	P	P	09 10 43.3	+0.7		
F48A	Evansville baz=325	91.93	28	P	P	09 10 43.3	+0.7		
N40A	Mertquake, Sal baz=320	91.94	36	P	P	09 10 42.0	-0.8		
GLMI	Graying comp=Z,79nm,1.1s	91.96	30	eP	P	09 10 41.8	-1.0		
GLMI	Graying comp=Z,2um,19.0s	91.96	30	P	P	09 10 42.4	-0.4		
L42A	Oliver Polo comp=Z,26nm,1.1s	91.99	34	eP	P	09 10 43.1	0.0		
K43A	Burlington comp=Z,2um,20.0s	92.06	33	PFAKE	LR	09 10 50.0	+6.7		
K43A	Burlington comp=Z,2um,20.0s	92.06	33	P	P	09 10 43.1	-0.2		
M41A	Milan baz=322	92.06	35	P	P	09 10 43.1	-0.3		
L43A	Garden Prairie baz=322	92.28	34	P	P	09 10 44.7	+0.3		
H47A	Mio baz=325	92.31	29	P	P	09 10 43.7	-0.7		
N41A	Harden Midland comp=Z,50nm,1.3s	92.43	36	eP	P	09 10 45.6	+0.5		
N41A	Harden Midland comp=Z,2um,19.0s	92.43	36	P	P	09 10 44.0	-1.1		
E51A	G1948 Merrick baz=329	92.50	26	P	P	09 10 44.4	-1.0		
D52A	ZEK Kipawa Sen baz=329	92.50	25	P	P	09 10 46.0	+0.7		
WMOK	Wichita Mounta comp=Z,31nm,1.2s	92.60	44	eP	P	09 10 45.5	-0.6		
WMOK	Wichita Mounta comp=Z,2um,19.0s	92.60	44	eP	P	09 10 45.5	-0.6		
WMOK	Wichita Mounta comp=Z,31nm,1.2s	92.60	44	eP	P	09 10 45.5	-0.6		
WMOK	Wichita Mounta comp=Z,2um,19.0s	92.60	44	P	P	09 10 45.0	-1.0		
M43A	Waltham Townsh baz=322	92.77	34	P	P	09 10 46.4	-0.2		
F51A	Arnstein baz=328	92.86	26	P	P	09 10 48.0	+1.0		
O41A	Passleys Farm, baz=320	92.87	36	P	P	09 10 48.3	+1.2		
CLTB	Caitabellotta comp=Z,3um,19.0s	92.89	320	PFAKE	LR	09 11 00.0	+13		
D54A	Lac Fusel, La baz=321	92.95	24	P	P	09 10 48.0	+0.6		
E52A	Mattawa baz=329	93.01	25	P	P	09 10 48.1	+0.4		
N43A	Stutzman Famil baz=322	93.05	35	P	P	09 10 48.8	+0.9		
J47A	Sunmer baz=325	93.17	31	P	P	09 10 47.1	-1.3		
F52A	Sundridge baz=329	93.19	26	P	P	09 10 47.6	-1.0		
M44A	Midewin, Midew M44A	93.23	34	PFAKE	LR	09 11 00.0			



Table with columns: Station Name, Time, Res, and various codes. Includes stations like Hilliard, TLIG, 555A, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Willy Bob, Tsumeb, DBIC, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Shikinejimakit, JSKK, etc.

JMA Feit II J1.
ISC 17 09:13:36.4+0.9, 34.03N:0.04-139.35E:0.06, h15km,6km,
n19.0+93.30,mb3.4/5,5D,Near south coast of eastern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JKO, JMK, JSK, etc.

ISCJB 17 09:13:35.9-0.4, 53.38S:0.07-24.6E:0.1, h10km,
mb4.3/19,MS3.7/3, Error ellipse: s-maj=12.4km
s-min=9.7km az=161.6

ISC 17 09:13:35.9-0.6, 53.47S:24.52E, h0km, mb4.3/14,
mb1.4/4.14, mb1mx4.1/44, mbmp3.3/14, MS3.9/3,
Ms1.3/8.3, ms1mx3.5/33, Error ellipse: s-maj=23.5km
s-min=16.3km az=76.0

NEIC 17 09:13:37.4+1.8, 53.43S:24.60E, h10km,2km, mb4.7/12,
Error ellipse: s-maj=19.0km s-min=16.1km az=71.0
ISC 17 09:13:37.5-0.5, 53.43S:0.09-24.6E:0.1, h10km, n60,
n575.6, mb4.5/19, MS3.7/3, South of Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CRZF, SUR, SNA, etc.

Table with columns: ELK, ELK, NV01, NVAR, SEY, YKA, YKB, YKB5. Lists stations like Mina Array Sit, Mina Array Bea, Seymchan, etc.

IDC 17 09:14:49.8-4.1, 11.75S:166.05E, h0km, mb3.6/5,
mb1.3/8.5, mb1mx3.5/43, mbtmp3.6/5, Error ellipse:
s-maj=169.1km s-min=31.5km az=136.0, Santa Cruz

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

IDC 17 09:16:05.3-1.1, 25.16N:123.85E, h0km, mb3.5/6,
mb1.3/7.6, mb1mx3.5/41, mbtmp3.5/6, Error ellipse:
s-maj=53.8km s-min=22.3km az=69.0, Northeast of

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SONM, MKAR, WRA, etc.

IDC 17 09:19:30.1-1.5, 23.30N:122.93E, h0km, mb3.3/4,
mb1.3/6.4, mb1mx3.3/48, mbtmp3.3/4, Error ellipse:
s-maj=73.8km s-min=30.0km az=67.0, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SONM, MKAR, WRA, etc.

IDC 17 09:22:36.5-0.8, 24.90N:123.30E, h0km, mb3.8/12,
mb1.4/0.12, mb1mx3.8/49, mbtmp3.8/12, Error ellipse:
s-maj=27.5km s-min=16.8km az=75.0

NEIC 17 09:22:37.6+1.6, 24.82N:123.23E, h10km,2km, mb4.3/10,
Error ellipse: s-maj=15.0km s-min=8.7km az=117.0
ISC 17 09:22:38.0-0.6, 24.81N:0.04-123.26E:0.03, h24km,5km,
mb4.1/20, Error ellipse: s-maj=7.1km s-min=4.6km
az=171.4

JMA 17 09:22:38.5-0.3, 24.83N:123.30E, h13km, M3.6
ISC 17 09:22:38.5-0.4, 24.81N:0.05-123.28E:0.03, h12km,9km,
n45.0+106/52, mb4.0/20, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like YOJ, YON, etc.

s-maj=46.9km s-min=21.1km az=70.0
ISC 17 09:25:18.6-1.1, 24.8N:0.2-123.4E:0.3, h10km, n8,
n1920.8, mb3.4/8, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KLR, SONM, MKAR, etc.

DDA 17 09:28:59.9, 37.70N:34.70E, h7km,2km, ML2.6
ISK 17 09:28:59.3, 37.68N:34.71E, h2km, ML2.1/11
ISCJB 17 09:29:00.2-0.5, 37.72N:0.03-34.72E:0.05, h11km, Error
ellipse: s-maj=5.8km s-min=4.7km az=150.8
ISC 17 09:29:00.8-1.0, 37.69N:0.03-34.72E:0.04, h11km, n17,
n0568/19, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GULE, NIG, etc.

comp=2.2um,0.1s
NIG Kirgide 0.42 349 PG Pg 09 29 08.8 -0.5
KARA Karaisali 0.51 148 PG Pg 09 29 10.1 -0.7

comp=2.388nm,0.1s
AKO Adana 0.63 112 i P Pg 09 29 12.7 -0.3
AKO i S Sg 09 29 22.5 +1.2

comp=2.772nm,0.1s
YAHY KAYSERI Yahyal 0.65 52 i P Pg 09 29 13.4 -0.1
DED 0.75 175 i P Pg 09 29 14.8 -0.3

comp=2.339nm,0.1s
MERS Meris 0.84 191 PG Pg 09 29 16.0 -1.0
KOZK Kozak 0.91 103 PG Pg 09 29 17.8 -0.6

SULT Sultanhani-AKS 1.02 298 PG Pb 09 29 20.7 -0.8
KVNZ Nevsehir-Avano 1.11 5 i P Pb 09 29 17.6 -4.6

AKIS Ankara 1.29 201 P P 09 29 24.6 -0.2
YAYX Yaylak 1.43 331 PN Pn 09 29 27.3 +0.5

KEBE Keben-Mersin 1.48 213 PN Pn 09 29 27.9 +0.4
IKLB Isikli 1.67 210 PN Pn 09 29 30.6 +0.6

AKKU Akkuyu-Mersin 1.79 212 PN Pn 09 29 32.2 +0.5
BERE Bereket-Mersin 1.80 222 PN Pn 09 29 31.9 -0.0

NIED 17 09:30:00.24:90N:123:30E, h5km, Mw4.8 Best double
couple: M1.7300x10^16 N1.130x10^16, s25.00000,
x-139.00000, NP2.85.00000, 874.00000,
z-170.00000

IDC 17 09:30:03.6-0.6, 24.88N:123.36E, h0km, mb4.0/16,
mb1.4/1.16, mb1mx4.0/45, mbtmp4.0/16, ML1.9/1, Error
ellipse: s-maj=22.4km s-min=13.0km az=75.0

NEIC 17 09:30:03.8+1.7, 24.83N:123.50E, h10km,2km, mb4.4/28,
Error ellipse: s-maj=12.9km s-min=8.5km az=141.0
MOS 17 09:30:04.8+1.1, 24.80N:123.40E, h2km, mb4.6/20, Error
ellipse: s-maj=11.7km s-min=6.8km az=107.8

JMA 17 09:30:05.1+0.2, 24.89N:123.30E, h25km, M4.9
BUL 17 09:30:05.5, 24.82N:123.27E, h10km, mb4.3/30, mb4.8/3,
M3.4/3.3, M3.7/4.7

ISCJB 17 09:30:06.2-0.5, 24.78N:0.03-123.30E:0.02, h31km,4km,
mb4.3/33, Error ellipse: s-maj=5.1km s-min=3.3km
az=177.6

ISC 17 09:30:03.8+1.9, 24.77N:0.04-123.37E:0.02, h11km,11km,
n131.0+184/142, mb4.2/53, 7C-4D, Southwestern Ryukyu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like YOJ, YON, etc.







SANI	Sanana	9.36 173	P	Pn	09 53 20.6	-2.0	KRJI	Kerinci	25.13 249	P	P	09 56 34.4	+2.1	DL2	comp=Z,32nm,0.8s		pmax	pmax		
PALU	Palau	9.56 89	P	Pn	09 53 25.0	-0.3	NJ2	Nanjing	25.25 348	eP	P	09 56 33.8	+0.8	DL2	comp=Z,600nm,7.7s		pmax	pmax		
I39PW	PALAU INFRASON	9.63 88	i		10 43 40.0		NJ2			S	S	10 00 59.4	+2.8	DL2	comp=Z,1µm,18.1s		LR	LR		
BOLP	Bolinas	10.22 332	eP	Pn	09 53 38.1	+3.7	NJ2	comp=Z,11nm,0.5s		S	S	10 01 15.1	+2.9	DL2	comp=Z,2µm,27.7s		LR	LR		
SWI	Sorong	10.34 141	P	Pn	09 53 34.5	-1.5	NJ2	comp=N,2µm,12.3s						DL2	comp=Z,2µm,24.2s		LR	LR		
SIJI	Sorong	10.35 141	Pn	Pn	09 53 35.1	-1.0	NJ2	comp=N,2µm,12.3s		LR	LR			MTSU	Mount Surprise	31.76 143	P	P	09 57 30.9	-0.4
SIJI	1.8nm,0.3s,baz=350,slow=7.5,SNR=13		Sn	Sn	09 55 34.7	+3.6	NJ2	comp=E,4µm,20.6s		LR	LR			AS31	Alice Springs	32.03 164	eP	P	09 57 32.6	-1.0
SIJI	0.8nm,0.3s,baz=17,slow=19,SNR=2.7		Sn	Sn	09 57 47.4		NJ2	comp=Z,2µm,23.5s		LR	LR			ASAR	Alice Springs	32.03 164	P	P	09 57 32.5	-1.2
SGKI	Sanggata, Kali	10.62 223	P	Pn	09 53 35.2	-4.6	FITZ	Fitzroy Crossi	25.25 178	P	P	09 56 32.3	-0.9	ASO1	Alice Springs	32.04 164	eP	P	09 57 32.5	-1.3
KDI	Kendari	11.41 191	P	Pn	09 53 49.7	-0.9	FITZ	Fitzroy Crossi	25.25 178	eP	P	09 56 32.5	-0.7	WRKA	Warakurna	32.32 174	eP	P	09 57 35.3	-0.9
SPSI	Sidrap Palu	12.29 204	P	Pn	09 54 00.4	-2.3	FITZ	Fitzroy Crossi	25.25 178	eP	P	09 56 32.3	-0.9	MEEK	Meekatharra	34.28 190	P	P	09 57 52.2	-1.0
BNSI	Bone	12.25 202	P	Pn	09 54 04.2	-2.1	PHET	Kaeng Krachan	25.42 285	P	P	09 56 36.7	+1.9	CTA	Charters Tower	34.42 143	P	P	09 57 54.5	-0.1
FAKI	Fak Fak	12.56 144	ePn	Pn	09 54 06.1	-0.4	GYA	Guiyang	25.73 320	P	P	09 56 40.0	+2.4	CTA	Charters Tower	34.42 143	P	P	09 57 54.8	+0.2
FAKI	Fak Fak	12.56 144	P	Pn	09 54 05.7	-0.8	GYA			P	P	09 56 51.4	+0.5	CTAO	Charters Tower	34.42 143	eP	P	09 57 54.5	-0.1
BNDI	Bandanaira	12.79 157	P	Pn	09 54 09.6	0.0	GYA			P	P	10 01 06.8	+2.1	CTAO	Charters Tower	34.42 143	eP	P	09 57 54.5	-0.1
KAPI	Kappang	13.25 203	ePn	Pn	09 54 16.6	+0.7	GYA	comp=Z,20nm,0.8s						LZH	Lanzhou	34.49 329	eP	P	09 57 56.4	+1.2
KAPI	Kappang	13.25 203	P	Pn	09 54 16.6	+0.7	GYA	comp=Z,120nm,4.9s		LR	LR			LZH	Lanzhou	34.49 329	eP	P	09 58 06.8	-1.7
KAPI	Kappang	13.25 203	P	Pn	09 54 18.1	+2.2	GYA	comp=N,540nm,17.5s		LR	LR			LZH	Lanzhou	34.49 329	eP	P	09 58 09.6	+5.0
BKSI	Bulukumba	13.40 201	P	Pn	09 54 15.5	-2.4	GYA	comp=Z,530nm,17.9s		LR	LR			LZH	Lanzhou	34.49 329	eP	P	09 58 15.3	+1.6
SBUM	Sibu	13.46 250	ePn	Pn	09 54 20.9	+2.1	UTTA	Utтарadi	25.84 296	P	P	09 56 41.7	+3.1	LZH	Lanzhou	34.49 329	eP	P	09 58 15.3	+1.6
BSSI	Bau Bau, Buton	14.05 198	P	Pn	09 54 24.1	-2.6	MNSI	Mandailing Nat	26.00 257	P	P	09 56 40.7	+0.6	LZH	Lanzhou	34.49 329	eP	P	09 58 15.3	+1.6
KSM	Kuching	15.60 249	ePn	Pn	09 54 48.6	+1.1	XMIS	Christmas Isla	26.02 227	eP	P	09 56 40.5	+0.2	LZH	Lanzhou	34.49 329	eP	P	09 58 15.3	+1.6
TWG	Pinlang	15.85 347	ePn	Pn	09 54 51.4	+0.8	NANT	Nan	26.10 298	P	P	09 56 42.9	+1.9	LZH	Lanzhou	34.49 329	eP	P	09 58 15.3	+1.6
MMRI	Maumere	16.05 189	ePn	Pn	09 54 53.6	+0.3	PSI	Prapat	26.19 261	eP	P	09 56 39.8	-2.2	LZH	Lanzhou	34.49 329	eP	P	09 58 15.3	+1.6
MMRI	Maumere	16.05 189	P	Pn	09 54 56.0	-0.4	PSI	Prapat	26.19 261	P	P	09 56 43.2	+1.2	BRDH	Baridhala	35.40 299	LR	LR	10 14 13.4	
EDFI	Ende, Flores	16.26 191	P	Pn	09 54 57.1	+1.1	SRDT	SRDT	26.19 288	P	P	09 56 45.3	+3.5	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
TPUB	Ta-pu	16.41 346	ePn	Pn	09 54 58.5	+0.6	JNU	Nakutsu	26.29 11	P	P	09 56 40.3	-2.2	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
SAUI	Saumlaki	16.50 157	ePn	Pn	09 54 57.9	-1.1	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
SAUI	Saumlaki	16.50 157	P	Pn	09 54 58.7	-0.3	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
DLV	T Lat	16.77 287	ePn	P	09 55 04.0	-0.6	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
SSLB	Suanglung	16.81 348	ePn	P	09 55 04.0	-0.8	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
SOEI	Soe	16.96 182	ePn	Pn	09 55 05.6	+0.7	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
SOEI	Soe	16.96 182	P	Pn	09 55 05.0	+0.1	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
NACB	Ninganchiao	17.06 350	ePn	Pn	09 55 07.6	+0.1	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
BATI	Baumata	17.44 184	P	Pn	09 55 11.3	+0.5	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
BATI	Baumata	17.44 184	P	Pn	09 55 11.1	+0.3	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
PLAI	Plampang	17.50 204	P	Pn	09 55 13.3	+0.8	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
YHNB	Yeheng	17.58 350	ePn	Pn	09 55 13.9	+0.5	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
WBSI	Waikabubak, Su	17.69 198	P	Pn	09 55 14.8	+0.2	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
TATO	Taipei	17.86 350	eP	Pn	09 55 17.7	+1.3	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
KMMI	Kaliangot	17.92 217	P	Pn	09 55 19.0	+1.9	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
SRBI	Sirangaja	18.05 212	P	Pn	09 55 19.9	+1.4	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
GENI	Genyem	18.18 122	P	Pn	09 55 18.0	-9.2	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
OZQH	Quanzhou	18.53 342	iP	Pn	09 55 22.1	-1.6	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
OZQH			S	Sn	09 58 51.3	+1.0	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
OZQH	comp=N,2µm,21.3s		LR	LR	10 02 35.5		JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
OZQH	comp=E,5µm,24.6s		LR	LR	10 02 35.5		JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
OZQH	comp=Z,3µm,26.1s		LR	LR	10 02 39.1		JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
JAY	Jayapura	18.60 121	P	Pn	09 55 25.9	+0.8	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
JAY	Jayapura	18.60 121	P	Pn	10 02 39.1		JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
JAY	Jayapura	18.60 121	P	Pn	09 55 24.9	+0.3	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	Qiongzhou	18.66 310	P	Pn	09 55 26.8	+1.0	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	Qiongzhou	18.66 310	P	Pn	09 55 37.8	-0.2	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	Qiongzhou	18.66 310	P	Pn	09 58 56.5	+0.3	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	comp=Z,59nm,1.2s		pmax	pmax			JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	comp=N,3µm,17.6s		LR	LR			JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	comp=E,3µm,16.7s		LR	LR			JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	comp=Z,4µm,16.2s		LR	LR			JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
QIZ	Qiongzhou	18.66 310	eP	Pn	09 55 26.5	+0.7	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
JAGI	Jajaj, Banyuwana	18.95 214	P	Pn	09 55 30.3	+1.0	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
GMJI	Gumukmas	19.20 216	P	Pn	09 55 33.3	+1.0	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
JOW	Kunigami	19.69 9	P	Pn	09 55 37.1	+0.7	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
JOW	Kunigami	19.69 9	P	Pn	09 55 36.7	+0.2	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
JOW	Kunigami	19.69 9	P	Pn	09 55 40.0	-0.1	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
NGJI	Ngawi	19.76 223	P	Pn	09 55 39.6	+0.6	JNU	Nakutsu	26.29 11	P	P	09 56 41.1	-1.4	HHC	Hu-ho-hao-te	35.44 343	eP	P	09 58 06.3	+3.1
TPI	Tanjungpandan</																			

17d 9h

Table with columns for station call letters, frequency, and other parameters. Includes stations like STKA, STKA, STKA, etc.

2013 APR

Table with columns for station call letters, frequency, and other parameters. Includes stations like KSH, NIL, NIL, etc.

1024

Table with columns for station call letters, frequency, and other parameters. Includes stations like GROG, GNI, GNI, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like PPT2, TBI, RES, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like BFO, NV01, NVAR, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like SDV, CPUP, CIV, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like MJAR, PETK, WRA, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like YOJ, YOJ, YOJ, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like DLV, USRK, CHTO, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like ZALV, KAA, WRAB, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like LVC, LVC, LVC, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like PB03, PB03, PB03, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like PB10, PB08, PB08, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like SIV, SIV, SDV, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like YOJ, YOJ, YOJ, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like ENTJ, ENTJ, ENTJ, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like EHY, YULB, YULB, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like ZHFS, ZHFS, ZHFS, etc.

17d 10h

Table with columns: GENO, Geno, Azimuth, Elevation, P, n, Time, Res. Includes stations like Wadi Sarin, Wadi Bani Khal, Ashiyah, Karatay Array, etc.

IDC 17 10:26:25.71.0.24.93N:123.09E, h0km, mb3.6/7, mb1 3.7/7, mb1mx3.4/67, mbtmp3.6/7, Error ellipse: s-maj=43.2km s-min=19.6km az=71.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like YOJ, YON, YJNG, etc.

2013 APR

YKA Yellowknife Ar 81.53 23 P P 10 38 45.2 +0.8

IDC 17 10:30:11.4.1.0.24.92N:123.24E, h0km, mb3.4/7, mb1 3.6/7, mb1mx3.4/65, mbtmp3.4/7, MS3.8/1, Ms1 3.8/1, ms1mx2.8/39, Error ellipse: s-maj=61.6km s-min=18.6km az=62.0

ISLANDS Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like YOJ, YON, YJNG, etc.

Main table for 2013 APR with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like YKA, YON, YJNG, etc.

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IDC 17 10:31:54.1.1.3.3.67S:129.32E, h0km, mb3.4/3, mb1 3.6/6, mb1mx3.4/49, mbtmp3.5/6, ML3.4/3, Error ellipse: s-maj=46.7km s-min=22.6km az=82.0

DJA 17 10:31:58.5.0.3.4.3.13.0E:1.1h10km, M3.7.6, MLv3.7/6, ISC 17 10:31:56.6.0.9.3.61S:129.58E, h0km, h10km, n40, az=204/11, Seram

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

ISCJB 17 10:42:57.6.0.4.6.54S:154.39E, h10km, mb4.0/20, Error ellipse: s-maj=8.5km s-min=7.0km az=34.1

IDC 17 10:42:57.4.0.8.6.56S:154.40E, h0km, mb3.8/1, mb1 4.0/13, mb1mx3.8/44, mbtmp3.8/13, ML3.3/2, MS2.9/2, Mb1 2.9/2, ms1mx2.8/44, Error ellipse: s-maj=28.9km s-min=19.2km az=115.0

NEIC 17 10:43:01.4.1.9.6.60S:154.26E, h22km, mb4.1/13, Error ellipse: s-maj=15.2km s-min=13.2km az=90.0

ISC 17 10:42:59.6.0.5.6.58S:154.28E, h10km, n40, az=193/50, mb4.0/20, Bougainville-Solomon Islands region

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

ISCJB 17 10:44:53.3.0.3.15.77N:104.943W, h0km, h72km, 4km, mb4.0/12, Error ellipse: s-maj=6.8km s-min=3.4km az=24.1

IDC 17 10:44:54.4.0.9.15.89N:93.87W, h78km, 5km, mb3.5/8, mb1 3.9/11, mb1mx3.6/39, mbtmp3.9/11, Error ellipse: s-maj=26.8km s-min=6.5km az=38.0

MEX 17 10:44:55.4.0.7.15.74N:94.05W, h65km, 13km, MD4.2 NEIC 17 10:44:55.4.0.7.15.74N:94.05W, h65km, mb4.1/19, MD4.2(MEX), After MEX.

UCR 17 10:44:56.4.1.6.16.79N:93.06W, h148km, 112km, MD4.2, ML4.2, mb4.1(NEIC)

ISC 17 10:44:54.7.0.6.15.77N:105.9404W, h73km, 6km, n69, n190/94, mb4.0/12, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like PCIG, TGBT, CMIG, etc.

CMIG	Matias Romero	1.54 328	ePn	Pn	10 45 20.1	-0.3
CMIG			eS	S	10 45 38.9	-0.8
CMIG	Matias Romero	1.54 328	ePn	Pn	10 45 20.1	-0.3
CMIG			eS	S	10 45 38.9	-0.8
CCIG	Comitan	1.90 74	ePn	Pn	10 45 23.6	-1.8
CCIG			eS	S	10 45 25.2	0.0
CCIG			eS	S	10 45 47.7	-0.6
CCIG	Comitan	1.90 74	ePn	Pn	10 45 23.6	-1.8
CCIG			iS	S	10 45 47.7	-0.6
THIG		1.91 117	ePn	Pn	10 45 24.2	-1.0
THIG		1.91 117	ePn	Pn	10 45 24.2	-1.0
THIG		1.91 117	ePn	Pn	10 45 24.2	-1.0
HUIG	Huatulco	2.00 270	ePn	Pn	10 45 46.5	-2.0
HUIG			eS	S	10 45 25.5	-0.9
HUIG	Huatulco	2.00 270	ePn	Pn	10 45 46.5	-2.0
HUIG			eS	S	10 45 48.3	-2.1
PANG	Puerto Angel	2.35 268	ePn	Pn	10 45 30.1	-1.0
PANG			eS	S	10 45 56.6	-2.4
FUG	Fuego 3	3.35 113	ePn	Pn	10 45 45.4	+0.5
FUG			eS	S	10 46 29.2	+5.5
APG	El Apazote	3.53 102	ePn	Pn	10 45 45.8	-1.5
APG	149nm,0.3s,baz=64,slow=22,SNR=52		S	S	10 46 25.1	-2.9
PCG	Pacaya	3.58 112	ePn	Pn	10 45 49.7	+1.6
NBG	Las Nubes	6.79 108	ePn	Pn	10 45 50.3	+0.2
IXG	Ixpaco	3.81 114	ePn	Pn	10 46 37.7	+2.8
IXG			eS	S	10 46 00.0	-0.9
LVIG	Laguna Verde	4.54 330	ePn	Pn	10 46 03.3	+0.8
RTR	El Retiro	4.64 113	ePn	Pn	10 46 04.9	+1.2
SBL	San Blas	4.68 114	ePn	Pn	10 46 56.3	0.0
SBL			eS	S	10 46 04.1	+1.0
SNJE	San Jose	4.69 113	ePn	Pn	10 46 04.5	+1.3
CEVE	Cerro Verde	4.69 114	ePn	Pn	10 46 56.2	-0.2
CEVE			iAML		10 47 14.7	
TLIG	Tipapa	4.69 293	ePn	Pn	10 46 05.8	+2.7
TLIG			eS	S	10 46 57.0	+0.6
MT03	Montecristo	4.72 106	ePn	Pn	10 46 01.4	-2.2
LBR5	Las Brisas	5.24 112	ePn	Pn	10 46 10.3	-0.2
MWG	Mirida	6.59 38	ePn	Pn	10 46 10.4	+0.8
TGUH	Teguicigalpa,Un	6.76 104	ePn	Pn	10 46 34.5	+1.7
CSGN	Cosiguina Volc	7.03 50	ePn	Pn	10 46 32.8	-2.4
TEIG	Tepeich	7.04 50	ePn	Pn	10 46 56.0	+4.3
MOIG	Moravia	7.84 301	ePn	Pn	10 46 45.9	+0.1
ESTN	Estel	7.89 109	ePn	Pn	10 47 07.1	+0.3
ACON	Acopyan	9.40 113	ePn	Pn	10 47 19.7	-1.2
JTS	JuntasAbangare	10.39 121	ePn	Pn	10 47 21.0	0.0
JTS	JuntasAbangare	10.39 121	ePn	Pn	10 47 52.2	+0.9
FSCY	Frank Sound, G	12.75 72	ePn	Pn	10 44 33.9	+2.0
833A	Chaparral WMA	15.50 318	ePn	Pn	10 48 29.5	+0.2
HPIG						
JCT	Junction City	15.56 341	ePn	Pn	10 48 30.5	+0.7
061Z	Ochopti	15.85 49	ePn	Pn	10 48 34.2	+0.9
NATX	Nacogdoches	15.93 358	ePn	P	10 48 42.5	+5.9
TXAR	Lajitas Array	16.15 328	P	Pn	10 48 38.5	+1.2
TX31	Lajitas Ar. Si	16.15 328	ePn	Pn	10 48 39.3	+2.0
TX31			ePn	P	10 48 39.9	+0.7
WHX	Lake Whitney	16.44 350	ePn	P	10 48 47.6	+5.3
PAYG	Puerto Ayora	16.76 167	ePn	Pn	10 48 44.9	+0.1
WLAR	White Oak Lake	17.86 3	ePn	Pn	10 49 07.4	+9.2
Z50A	Ashland	18.89 21	ePn	Pn	10 49 10.8	+0.2
Y49A	Blount Mountain	19.28 20	ePn	Pn	10 49 15.3	+0.1
154A	Montrose	19.48 29	ePn	Pn	10 49 17.4	-0.2
MSTX	Muleshoe	19.76 338	ePn	P	10 49 20.3	+1.4
AMTX	Amarillo	20.23 342	ePn	P	10 49 23.9	-0.1
HALT	Halls	20.49 11	ePn	P	10 49 26.4	-0.2
BNM	Barren Site	21.53 330	ePn	P	10 49 40.8	+2.7
LPM	Los Pinos Moun	21.66 331	ePn	P	10 49 45.8	+6.3
ANMO	Albuquerque	22.11 332	ePn	P	10 49 41.6	-2.7
ANMO	Albuquerque	22.11 332	ePn	P	10 49 45.1	+0.9
PNAR	Pinedale Array	30.01 337	P	P	10 50 57.8	+1.0
VDAR	Mina Array	31.06 321	P	P	10 51 07.5	+0.4
SNOW	Snow King Moun	31.06 336	ePn	P	10 51 07.1	+1.0
LOHW	Long Hollow	31.13 336	ePn	P	10 51 07.0	+0.4
DLMT	Dillon	33.38 336	ePn	P	10 51 27.5	+1.4
SIV	San Ignacio	45.33 13	P	P	10 53 03.4	-2.4
SIV			pP	P	10 53 23.5	-0.4
YKA	Yellowknife Arr	48.87 347	P	P	10 53 31.2	-1.4
YKA			pP	P	10 53 50.1	-0.8
INK	Inuvik	58.19 344	P	P	10 54 39.8	-1.1
INK			pP	P	10 54 58.5	-1.1
KNK	Knik Glacier	59.58 333	ePn	P	10 54 52.5	+1.8
ILAR	Eielson Array	60.44 337	P	P	10 54 55.5	-1.0
ILAR			pP	P	10 55 16.6	+1.2
ARC5	ARCES Array B	85.07 18	P	P	10 57 20.9	-1.2
WRA	Warramunga Arr	133.89 257	PKP	PKPdf	11 04 01.5	-2.8
WRA			pPKP	PKPdf	11 04 26.5	+1.4
ASAR	Alice Springs	134.36 252	PKP	PKPdf	11 04 04.1	-1.0
ASAR			pPKP	PKPdf	11 04 27.4	+1.5

YM07	YM07	1.66 287	ePn	Pn	10 46 28.7	-0.7
YM07			eS	S	10 46 29.8	-0.1
NDT	Yatong Townshi	1.69 285	ePn	Pn	10 46 30.3	+0.4
YM11	YM11	1.69 286	ePn	Pn	10 46 28.9	-1.0
NACB	Ninganchiao	1.70 252	ePn	Pn	10 46 30.5	+0.5
TWD	Chiawan	1.73 249	ePn	Pn	10 46 32.9	+0.5
JMJ	Miyoko jima 2	1.75 86	ePn	Pg	10 46 43.8	+9.2
ETLH	Xiulin Townshi	1.79 254	ePn	Pb	10 46 33.2	-0.2
YHNB	Yeheng	1.81 269	ePn	Pn	10 46 32.1	+0.5
NNSB	Datong	1.83 262	ePn	Pn	10 46 32.7	+0.8
NSK	Sanguang	1.83 270	ePn	Pn	10 46 32.5	+0.7
NNS	Nan Shan	1.84 262	ePn	Pn	10 46 32.6	+0.6
WHF	Hehuan Shan	2.00 254	ePn	Pb	10 46 36.0	-1.1
TDCB	Techi	2.07 258	ePn	Pb	10 46 37.6	-0.5
CHGB	Renai	2.10 253	ePn	Pb	10 46 38.0	-0.9
OWD	Renai	2.14 250	ePn	Pn	10 46 37.3	+1.2
HGD	Ruisui	2.15 236	ePn	Pn	10 46 37.5	+1.3
NSTT	Nanjuang	2.16 269	ePn	Pb	10 46 38.6	-1.1
VWDT	VWDT	2.25 246	ePn	Pn	10 46 38.3	+0.9
WHP	Taichung City	2.25 260	ePn	Pb	10 46 40.1	-1.1
YULB	Yu-li	2.30 236	ePn	Pn	10 46 39.9	+1.6
TWF1	Yuli	2.33 235	ePn	Pn	10 46 39.2	+0.6
SSBL	Suanglung	2.39 248	ePn	Pn	10 46 41.1	+1.6
SMLT	Sun Moon Lake	2.40 251	ePn	Pb	10 46 41.8	-2.0
FULB	Ful	2.42 232	ePn	Pn	10 46 41.1	+1.2
TYC	Yuchr	2.43 251	ePn	Pn	10 46 41.5	+1.6
WHYT	Xintownship	2.51 247	ePn	Pn	10 46 43.3	+2.2
WJS	Zhushan	2.57 251	ePn	Pb	10 46 45.7	-0.9
CHNS	Tsaulung	2.70 246	ePn	Pn	10 46 44.6	+0.9
STYT	Tauyang	2.84 238	ePn	Pn	10 46 48.3	+2.6
TPUB	Ta-pu	2.87 241	ePn	Pn	10 46 48.8	+2.7
CHN4	Tsaushan	2.88 243	ePn	Pn	10 46 48.3	+2.2
WTP	Ta-pu	2.91 241	ePn	Pb	10 46 49.9	-2.6
SLD	Luigi	3.02 236	ePn	Pb	10 46 52.1	-2.2
SSG	Sandimen	3.18 233	ePn	Pb	10 46 54.0	-3.1
MASB	Masbuluo	3.26 231	ePn	Pn	10 46 53.0	+1.5
PHUB	Peng-hu	3.67 252	ePn	Pn	10 46 58.3	+1.3
LYJJ	Jianjiangzhen	3.74 300	ePn	Pn	10 46 59.6	+1.6
KSRS	Korea Array	13.29 16	Pn	P	10 49 18.3	-0.3
SOMN	Songino Array	26.72 334	P	P	10 51 49.3	+1.0
ZALV	Zalesovo Beam	40.91 326	LR	LR	11 12 47.5	
WRA	Warramunga Arr	45.65 166	P	P	10 54 26.6	+5.7
ASAR	Alice Springs	49.15 167	P	P	10 54 55.8	+7.6
YKA	Yellowknife Arr	81.71 23	P	P	10 58 28.1	+1.0

ISC 17 10:50:04.1:1.6,25:2N:0:1:123:0E:0:1,h35km,n9, e283/10,mb3.3/4, Northeast of Taiwan									
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC	Time Res	ISC
YOJ	Yonaguni jima	0.71 181	Op	10 50 20.9	+3.3				
YOJ			S	10 50 26.5	-0.7				
JYNG	Yonagunijimaku	0.72 186	S	10 50 22.2	+4.5				
JYNG			S	10 50 28.8	+1.3				
IRIF	Iriomote-Funau	1.05 142	P	10 50 25.2	+2.9				
IRIF			eS	10 50 34.6	-1.1				
JKRS	Kuro-shima	1.29 136	P	10 50 28.9	+3.3				
JKRS			eS	10 50 40.8	-1.0				
HATJ	Hateruma jima	1.32 147	P	10 50 49.2	+3.2				
HATJ			eS	10 50 41.2	-1.1				
SOMN	Songino Array	26.16 334	P	10 50 36.3	+1.0				
WRA	Warramunga Arr	46.17 165	P	10 58 19.5	-6.0				
ASAR	Alice Springs	49.68 167	P	10 58 48.2	-4.4				
YKA	Yellowknife Arr	81.41 23	P	11 02 15.1	-1.9				
TAP 17 11:00:27.8,24:55N-121:91E,h7km,ML1.6,1C-1D,C									
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC	Time Res	ISC
TWC	Suao	0.08 316	Op	11 00 29.8	0.0				
TWC			iS	11 00 31.0	-0.2				
NANB	Nanao	0.19 230	Op	11 00 31.7	0.0				
EOS1	EOS1	0.20 90	P	11 00 31.0	-0.1				
TWE	Neicheng	0.28 307	ePn	11 00 32.8	-0.5				
ENTT	Nicou	0.33 286	ePn	11 00 34.1	-0.1				
ENTT			eS	11 00 38.6	0.0				
NDT	Datong Townshi	0.37 278	ePn	11 00 34.8	-0.2				
NWLT	Wulai	0.43 301	ePn	11 00 36.2	-0.1				
YHNB	Yeheng	0.50 284	ePn	11 00 37.4	-0.1				
YHNB			eS	11 00 43.2	-0.8				
ISCJTB 17 11:00:41.5:0.9,24:88N:0:06:123:28E:0:05,h10km, mb3.3/4, Error ellipse: s-maj=9.1km s-min=5.7km α158.2									
IDC 17 11:00:41.4:1.2,25:03N:123:90E,h0km,mb3.4/4, mb1.3/6,mb1mx3.3/45,mbtmp3.4/4, Error ellipse: s-maj=90.1km s-min=24.2km az=76.0									
JMA 17 11:00:44.2:0.2,24:75N:123:27E,h29km,ML2.9									
ISC 17 11:00:42.5:1.1,24:81N:0:09:123:27E:0:06,h10km,n10, α1504/12,mb3.3/4,Southeastern Ryukyu Islands									
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC	Time Res	ISC
YOJ	Yonaguni jima	0.42 214	Op	11 00 52.0	0.0				
YOJ			eS	11 00 57.7	-0.7				
JYNG	Yonagunijimaku	0.46 219	P	11 00 52.8	+0.1				
JYNG			eS	11 00 58.6	-1.1				
JKRS	Kuro-shima	0.89 130	P	11 01 00.1	+0.6				
JJIJ	Jishigaki jima	0.90 147	P	11 01 04.4	+0.5				
JJIJ	Ishigaki jima	0.91 119	eS	11 01 11.1	-0.9				
JISG	Ishigakijimahi	0.97 103	eS	11 01 13.4	-0.5				
SOMN	Songino Array	26.58 334	P	11 06 22.0	+1.2				
WRA	Warramunga Arr	45.77 165	P	11 09 05.5	+1.2				
ASAR	Alice Springs	49.27 167	P	11 09 32.5	+8.9				
YKA	Yellowknife Arr	81.65 23	P	11 12 58.9	-1.7				





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Alice Springs, Makanchi Array, TARG Taragay, NIL Nilore, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Main Array Si, Kiev, KIEV Kiev, AK11 Main Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other technical details. Includes stations like Yonaguni jima, Iriomote-Funau, Kuro-shima, etc.

NIED 17 11:11:00,24:90N,123:30E,h5km,Mw5.0 Best double...
IDC 17 11:11:55,0:0,24:63N,123:29E,h0km,mb4.6/30...





17d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SGST Jiashan, ECL Taimai, MASBT Mashbululo, etc.

ISCJB 17 11:24:43.6,0.8,24.9N,0.2,123.4E,0.3,h10km,mb3.6/8, Error ellipse: s-maj=44.1km s-min=15.9km az=158.1

ISC 17 11:24:43.9,0.2,24.95N,123.37E,h0km,mb3.7/8, mb1 3.9/8, mb1mx3.6/47, mbtmp3.7/8, Error ellipse: s-maj=51.1km s-min=18.5km az=69.0

ISC 17 11:24:45.4,1.1,25.0N,0.2,123.4E,0.3,h10km,n8, c0777/8,mb3.6/8,Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM Songo Array, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

GII 17 11:32:28.7,0.4,32.60N,35.59E,h17km,MD2/6

ISCJB 17 11:32:29.1,0.3,32.60N,0.0,35.61E,0.04,h22km,6km, Error ellipse: s-maj=5.8km s-min=3.1km az=11.5

JSO 17 11:32:29.8,0.8,33.1N,5.36E,1.6,h6km,5km,M2.8/8, Mjma2.7/8,ML2.9/5,MLV2.9/8

GRA1 17 11:32:32.4,0.3,32.71N,35.70E,h15km,4km,MD3.1

ISC 17 11:32:28.9,1.0,32.60N,0.0,35.60E,0.04,h18km,8km, n28,c058/39,Dead Sea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SHMJ Saham, MMLI Mout Malkishu, HMDT Nahal Hemdat, etc.

ISC 17 11:33:35.5,1.4,33.97N,139.57E,h0km,mb3.1/1, mb1 3.5/4, mb1mx3.2/58, mbtmp3.3/4,ML3.1/3, Error ellipse: s-maj=29.4km s-min=15.0km az=70.0

ISCJB 17 11:33:36.0,0.6,34.03N,0.0,149.35E,0.08,h14km,4km, mb3.2/1, Error ellipse: s-maj=12.2km s-min=4.1km az=154.2

JMA 17 11:33:36.8,0.1,34.05N,139.38E,h14km,1km,M3.2 JMA Feit II JI.

ISC 17 11:33:37.1,0.9,34.06N,0.0,149.44E,0.06,h10km,8km,n5,c1966/25,1C-3D,Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JMKN Mikurajiminishi, JKO Kozu shima, JNIO Niijimaohara, etc.

ISC 17 11:34:21.0,1.4,34.44S,146.69E,h0km,mb3.3/5, mb1 3.6/5, mb1mx3.4/37, mbtmp3.3/5, Error ellipse: s-maj=69.8km s-min=27.0km az=122.0, Bismarck Sea

2013 APR

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

ISCJB 17 11:36:09.2,0.4,46.69N,0.0,144.14E,0.1,h400km, mb3.3/17, Error ellipse: s-maj=9.4km s-min=5.0km az=5.4

JMA 17 11:36:10.6,0.3,46.51N,144.07E,h400km,M3.5 IDC 17 11:36:11.0,1.2,46.85N,143.90E,h393km,M4.3, mb3.1/17, mb1 3.2/24, mb1mx3.1/60, mbtmp3.9/24, Error ellipse: s-maj=12.6km s-min=10.7km az=112.0

ISC 17 11:36:10.5,0.6,46.58N,0.0,144.04E,0.08,h400km,n43,c164/52,mb3.3/17, Sea of Okhotsk

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

MAT Matsushiro 10.93 206 P Pn 11 38 41 +1.7

MJ2R Matsushiro Arr 10.93 206 P Pn 11 38 41 +2.1

MA2R Magadan 13.63 15 P Pn 11 39 06.7 -0.9

KSR5 Korea Array 15.03 238 P Pn 11 39 24.5 +1.3

JNU Nakatsue 16.78 221 P Pn 11 39 44.0 +1.9

SEY Seymchan 17.06 13 P Pn 11 39 43.5 -1.2

SONM Songo Array 25.44 287 P Pn 11 41 03.8 -0.2

ZALV Zalesovo Beam 37.57 304 P Pn 11 42 47.7 -0.5

ILAR Eielson Array 40.56 319 P Pn 11 43 11.8 -0.7

MKAR Makanchi Array 41.38 294 P Pn 11 43 18.6 -0.8

KURBB Kurchatov Arra 42.24 300 P Pn 11 43 25.2 -0.9

INX Inuvik 45.11 31 P Pn 11 43 47.6 -0.7

BVAR Borovoye Array 46.03 306 P Pn 11 43 55.2 -0.6

AAK Ala-Archa 48.20 292 P Pn 11 44 12.4 -0.2

YKA Yellowknife Arr 54.68 34 P Pn 11 44 59.6 +0.2

ARCS Arctic Array B 55.92 327 P Pn 11 45 07.4 0.0

FINES FINES Array B 61.35 331 P Pn 11 45 43.8 -1.2

NOA NORAS Array B 66.16 337 P Pn 11 46 14.3 -1.8

FITZ Fitzroy Crossi 66.48 199 P Pn 11 46 21.1 +2.6

WRA Warramunga Arr 66.78 190 P Pn 11 46 22.4 +2.0

PDAR Pinedale Array 69.74 49 P Pn 11 46 39.5 +0.8

ASAR Alice Springs 70.51 190 P Pn 11 46 46.5 +3.4

BRTR Keskin Array B 74.01 311 P Pn 11 47 03.0 -0.8

LPAZ La Paz 139.69 52 PKP PKPdf 11 54 53.7 +1.3

IDC 17 11:38:37.1,1.6,0.33N,125.87E,h0km,mb3.7/4, mb1 3.8/5, mb1mx3.5/42, mbtmp3.7/5,ML3.2/1, Error ellipse: s-maj=111.8km s-min=23.2km az=66.0

ISCJB 17 11:38:40.5,1.4,0.5N,0.2,126.1E,0.1,h44km,mb3.7/4, Error ellipse: s-maj=25.7km s-min=13.3km az=37.5

DJA 17 11:38:43.0,1.4,0.1N,8.12E,1.1,h11km,15km,M3.6/7, ML3.6/7

ISC 17 11:38:42.3,1.5,0.5N,0.2,126.0E,0.2,h44km,n8,c1963/8, mb3.8/4,Northern Molocca Sea

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

IDC 17 11:42:33.3,0.8,24.94N,123.52E,h0km,mb3.9/9, mb1 4.1/9, mb1mx3.7/46, mbtmp3.9/9,ML1.4/1, Error ellipse: s-maj=32.0km s-min=16.4km az=69.0

ISCJB 17 11:42:35.8,0.8,24.84N,0.0,123.31E,0.04,h27km,7km, mb3.8/9, Error ellipse: s-maj=11.3km s-min=5.7km az=7.4

JMA 17 11:42:35.2,0.3,24.90N,123.36E,h13km,M3.7

ISC 17 11:42:34.9,1.4,24.88N,0.0,123.41E,0.05,h8km,10km,n21,c0998/28,mb3.8/9,Southwestern Ryukyu Islands

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

KSR5 Korea Array 13.12 16 Pn 11 45 44 +3.2

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM Songo Array, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

IDC 17 11:43:26.7,1.0,24.76N,123.18E,h0km,mb4.0/9, mb1 4.1/9, mb1mx3.8/46, mbtmp4.0/9,MS4.1/1,Ms1 4.4/1, ms1mx3.3/42, Error ellipse: s-maj=59.0km s-min=18.2km az=68.0

NEIC 17 11:43:28.6,1.6,24.80N,123.41E,h11km,3km,mb4.3/14, Error ellipse: s-maj=13.0km s-min=2.3km az=85.0

ISCJB 17 11:43:30.0,0.6,24.78N,0.0,123.28E,0.04,h41km,6km, mb4.2/20,MS4.4/1, Error ellipse: s-maj=9.6km s-min=5.8km az=28.1

JMA 17 11:43:30.3,0.2,24.85N,123.28E,h25km,5km,M3.4

ISC 17 11:43:28.8,2.0,24.84N,0.0,123.34E,0.05,h13km,12km,n41,c095/45,mb4.2/20,Southwestern Ryukyu Islands

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

SBUM Sibiu 24.71 207 P Pn 11 48 49.4 -0.5

ULN Ulanbator 26.35 335 eP Pn 11 49 05.8 +1.1

KSM Kuching 26.42 210 eP Pn 11 49 06.1 +0.7

SONAO Songo Array 26.59 334 eP Pn 11 49 08.2 +1.5

SONM Songo Array 26.59 334 eP Pn 11 49 08.2 +1.5

TLY Talaya 30.74 336 eP Pn 11 49 44.9 +1.3

JAGI Jagaj, Banyuwu 34.30 196 eP Pn 11 50 15.4 +0.4

MK31 Makanchi Array 39.26 315 eP Pn 11 50 57.8 +0.7

MK32 Makanchi Array 39.26 315 eP Pn 11 50 57.7 -1.4

MKAR Makanchi Array 39.26 315 eP Pn 11 50 57.7 -1.4

MAK2 Makanchi 39.47 314 eP Pn 11 50 59.8 +1.0

ZALV Zalesovo Beam 40.79 326 P Pn 11 51 09.6 -0.1

ZAA1 Zalesovo Array 40.79 326 eP Pn 11 51 09.6 -0.1

FITZ Fitzroy Crossi 42.74 177 eP Pn 11 51 24.7 -1.2

FITZ Fitzroy Crossi 42.74 177 eP Pn 11 51 23.9 -0.2

KURBB Kurchatov Arra 42.89 319 P Pn 11 51 26.9 0.0

WR1 Warramunga Arr 45.78 165 eP Pn 11 51 50.8 +0.5

WRA Warramunga Arr 45.78 165 eP Pn 11 51 50.8 +0.5

PSA0 Pillbara Seismi 46.26 185 eP Pn 11 51 53.7 -0.3

TIXI Tiksi 46.95 2 LR LR 12 12 35.5

TIXI Tiksi 46.95 2 eP Pn 11 51 59.0 +2.8

BRVK Borovoye 48.50 320 eP Pn 11 52 12.0 +0.8

AS31 Alice Springs 49.29 167 eP Pn 11 52 17.3 -0.3

ASAR Alice Springs 49.30 167 P Pn 11 52 17.1 -0.5

FIAO FINESS Array B 71.87 330 eP Pn 11 54 49.3 -1.9

FINES FINES Array B 71.87 330 eP Pn 11 54 49.3 -1.9

YKA Yellowknife Arr 81.60 23 P Pn 11 55 46.6 +0.5

TAP 17 11:44:07.0,23.43N,121.59E,h42km,1km,ML2.3,D, Taiwan

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

ISCJB 17 11:44:44.0,2.0,6.1477N,0.0,94.43W,0.03,h28km, mb4.0/19, Error ellipse: s-maj=8.3km s-min=4.1km az=20.4

MEX 17 11:44:47.3,0.6,14.80N,94.44W,h25km,10km,MD4.2

NEIC 17 11:44:47.1,0.0,14.80N,94.44W,h65km,mb4.1/28, MD4.2(MEX), After MEX.

IDC 17 11:44:49.9,4.7,14.92N,94.10W,h38km,34km,mb3.5/7, mb1 3.9/10, mb1mx3.7/35, mbtmp3.7/10,ML3.4/3,MS2.9/1, MS1 2.9/1, ms1mx2.5/21, Error ellipse: s-maj=48.3km s-min=22.3km az=33.0

ISC 17 11:44:46.2,0.7,14.80N,0.0,94.43W,0.04,h28km,n55,c252/67,mb4.0/19, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG Huatulco, CMIG Matias Romero, etc.

SOME 17 11:46:20.4, 1.41'22N;70.78E, h0km
KRNET 17 11:46:22.1, 0.1, 41.43N;70.89E, h15km, mb2.4
NCC 17 11:46:24.0, 3.0, 41.22N;70.87E, h0km, mb3.2, mpv2.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARK Arkit, BTK Batken, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TKM2 Tokmak 2, DGS Degeres, etc.

IDC 17 11:49:00.8, 0.6, 24.90N;123.32E, h0km, mb4.1/17.
mb1.4, 1/17, mb1mx4.0/46, mbtmp4.0/17, ML 1.9/1, MS4.1/2,
MS1.4, 1/2, ms1mx3.4/40, Error ellipse: s-maj=25.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, YON Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KS15 Wonju Array Si, KSRS Korea Array, etc.





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JNG	Nsakai	3.46 234	JP	Pn	12 04 26.0	+2.6
JKUC	kamogawauchir	3.52 198	P	Pn	12 04 25.9	+1.7
BSO4	Boso 4	3.66 196	P	Pn	12 04 27.5	+1.6
ERM	Erimo	3.70 19	ePn	Pn	12 04 27.5	+1.0
ERM	Erimo	3.70 19	JP	Pn	12 04 27.0	+0.5
JHG	Hegura jima	3.71 261	JP	Pn	12 04 28.4	+1.7
JNT	Takato	3.79 227	P	Pn	12 04 30.6	+2.6
JOD2	Odawara 2	3.80 212	P	Pn	12 04 29.4	+1.4
BSO3	Boso 3	3.81 193	P	Pn	12 04 28.6	+0.8
JTT	Ttatey	3.86 242	JP	Pn	12 04 31.7	+3.0
JYN	Shimob	3.86 219	P	Pn	12 04 31.0	+2.2
JNBK	Urakawa-nobuka	3.87 13	JP	Pn	12 04 31.0	+1.4
BSO1	Boso 1	3.89 187	P	Pn	12 04 28.8	+0.2
JOSM	Okushiri-Mats	3.90 337	JP	Pn	12 04 31.1	+1.9
AJI	Ajiro	3.92 210	JP	Pn	12 04 31.3	+0.8
JTHR	Tokachihiroo	4.00 19	JP	Pn	12 04 31.3	+0.7
JFNN	Fujinakano	4.02 216	JP	Pn	12 04 32.4	+2.1
JGN	Niukaw	4.08 237	JP	Pn	12 04 34.9	+3.0
JHTM	Izuhatsuma	4.10 211	P	Pn	12 04 32.8	+0.8
JHH	Hakui	4.10 249	JP	Pn	12 04 34.2	+2.1
JIM2	Oshima 3	4.16 205	P	Pn	12 04 33.2	+0.3
JUCH	Churu	4.32 18	JP	Pn	12 04 35.5	+0.5
JNY	Yasukok	4.32 204	JP	Pn	12 04 38.3	+3.1
JIZS	Izushimoda	4.36 210	P	Pn	12 04 36.3	+0.7
SHZ3	Shizuoka 3	4.37 219	P	Pn	12 04 38.2	+2.4
JTHY	Toshimahigashi	4.38 205	P	Pn	12 04 36.9	+0.9
JGF	Kuroka	4.44 230	JP	Pn	12 04 40.2	+3.4
JYZW	Yoshizawa	4.67 222	P	Pn	12 04 41.9	+2.1
JHG	Sagara	4.70 216	JP	Pn	12 04 42.7	+2.5
JKG	Kaga	4.72 243	P	Pn	12 04 43.5	+0.2
JKKS	Kakegawashinom	4.73 218	P	Pn	12 04 43.4	+2.7
JAO	Obara	4.73 228	JP	Pn	12 04 43.7	+3.0
HMMJ	Hamamatsu 2	4.78 221	JP	Pn	12 04 43.5	+2.1
INUJ	Inuyama	4.82 230	ePn	Pn	12 04 45.0	+3.1
JYTA	Yamagataniaiai	4.83 234	P	Pn	12 04 45.5	+3.4
JSSY	Shinshiroyabe	4.85 223	P	Pn	12 04 44.2	+1.9
JICN	Ichinomiyachia	4.95 231	P	Pn	12 04 47.2	+3.5
JAR	Ashorobuto	5.06 19	JP	Pn	12 04 44.8	+0.4
JAA	Atsumi	5.26 224	P	Pn	12 04 49.9	+2.0
JFM	Mitama	5.36 238	JP	Pn	12 04 53.7	+4.3
JKK2	Kamakawa 2	5.42 9	JP	Pn	12 04 50.9	+0.7
JHJ	Hachijo jima 2	5.58 195	P	Pn	12 04 51.7	-0.6
JHJ	630nm,0.3s,baz=346,slow=14,SNR=77			Sn	12 05 52.6	-2.5
JHJ2	Mitsune	5.58 195	ePn	Pn	12 04 51.8	-0.5
JHJ2			eSn	Pn	12 05 53.5	-1.6
JNK	Nakash	5.60 24	JP	Pn	12 04 51.3	-1.2
TSUJ	Tsu 2	5.61 229	P	Pn	12 04 55.2	+2.4
ASAJ	Asahikawa	5.65 8	P	Pn	12 04 54.5	+1.3
ASAJ	42nm,0.3s,baz=219,slow=8,SNR=296			Sn	12 05 57.5	+0.8
ASAJ	30nm,0.3s,baz=228,slow=19,SNR=42			Pn	12 04 53.8	+0.6
ASAJ	Asahikawa	5.65 8	JP	Pn	12 04 53.4	+0.1
JMP	Mitaseppu	5.65 13	JP	Pn	12 04 57.8	-0.4
GLVR	Golovnnino	6.01 29d	JP	Sn	12 06 02.3	-3.3
GLVR				Pmax		
GLVR	comp=Z,955nm,0.4s			Pmax		
GLVR	comp=N,387nm,0.2s			Pmax		
GLVR	comp=E,282nm,0.2s			Smax		
GLVR	comp=E,6um,0.3s			Smax		
GLVR	comp=N,10um,0.2s			Smax		
JKN2	Miekohoku	6.03 226	P	Pn	12 04 59.6	+1.1
JACM	Aogashimamukai	6.22 194	P	Pn	12 05 00.6	-0.5
GRPR	Tuman	6.32 29	eP	Pn	12 05 01.5	-1.0
GRPR			eS	Sn	12 06 08.1	-5.2
GRPR	comp=Z,2um,0.2s			Pmax		
GRPR	comp=N,426nm,0.3s			Pmax		
GRPR	comp=N,2um,0.3s			Smax		
GRPR	comp=E,7um,0.3s			Smax		
LAGR	Lagunnoye	6.38 29c	JP	Pn	12 05 02.8	-0.5
LAGR			iS	Sn	12 06 11.5	-3.3
LAGR				Pmax		
LAGR	comp=E,1um,0.4s			Pmax		
LAGR	comp=Z,1um,0.4s			Pmax		
LAGR	comp=E,8um,0.5s			Smax		
LAGR	comp=N,10um,0.7s			Smax		
YUK	Yuzh-Kuril'sk	6.39 29d	JP	Pn	12 05 02.4	-1.0
YUK			iS	Sn	12 06 11.2	-3.8
YUK				Pmax		
YUK	comp=E,337nm,0.2s			Pmax		
YUK	comp=Z,1um,0.2s			Pmax		
YUK	comp=N,71nm,0.1s			Smax		
YUK	comp=N,5um,0.4s			Smax		
YUK	comp=E,8um,0.4s			Smax		
JMMH	Miemiham	6.48 225	P	Pn	12 05 05.4	+0.7
TEY	Ternei	7.49 332j	eP	Pn	12 05 21.7	+3.3
TEY			eS	Sn	12 06 40.0	-1.8
TEY				Pmax		
TEY	comp=N,50nm,0.6s			Pmax		
TEY	comp=E,30nm,0.6s			Pmax		
TEY	comp=Z,50nm,0.5s			Pmax		
TEY	comp=E,300nm,1.2s			Smax		
TEY	comp=N,200nm,1.1s			Smax		
TEY	comp=E,15um,16.0s			MLR		
TEY	comp=N,22um,20.0s			MLR		
TEY	comp=Z,27um,16.0s			MLR		
KUR	Kuril'sk	8.19 33	eP	Pn	12 05 27.3	-0.8
KUR			eS	Sn	12 06 55.6	-3.6
KUR				Pmax		
KUR	comp=Z,563nm,0.7s			Pmax		
KUR	comp=N,180nm,0.3s			Pmax		
KUR	comp=E,182nm,0.4s			Pmax		
YSS	Yuzh-Sakhalins	8.47 6	ePn	Pn	12 05 32.6	+0.7
YSS	Yuzh-Sakhalins	8.47 6	eP	Pn	12 05 31.7	-0.2
YSS			eS	Sn	12 07 04.2	-1.9
YSS	comp=Z,190nm,0.8s			Pmax		
YSS	comp=Z,11um,13.0s			MLR		
YSS	comp=N,9um,14.0s			MLR		
YSS	comp=N,10um,12.0s			MLR		
VLA	Vladivos	8.65 305c	JP	Pn	12 05 36.3	+2.0
MSHR	Mys Shuitsa	8.89 300deP		Pn	12 05 38.7	+1.1
USRK	Ussuriysk Ar.	9.15 311	P	Pn	12 05 43.5	+2.3
USRK	comp=E,28nm,0.3s,baz=132,slow=13,SNR=314			LR	12 08 59.1	
JNU	Nakatsue	10.20 241	P	Pn	12 05 57.0	+1.3
JNU				LR	12 10 27.8	
JNU	comp=E,27um,19.7s,baz=48,slow=41			LR		
JNU	Nakatsue	10.20 241	ePn	Pn	12 05 57.5	+1.9
UGL	Uglegorsk	10.56 2	eP	Pn	12 06 01.6	+1.2
UGL			S	Sn	12 08 02.6	+5.5
UGL	comp=Z,105nm,0.9s			Pmax		
UGL	comp=E,2um,4.3s			Smax		
UGL	comp=Z,10um,16.0s			MLR		
UGL	comp=N,10um,18.0s			MLR		
KSR5	Korea Array	10.81 269	P	Pn	12 06 08.2	+4.3
KSR5	comp=N,17nm,0.3s,baz=80,slow=14,SNR=171			LR	12 10 00.6	
KSR5	comp=N,19um,21.8s,baz=58,slow=36			LR		

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MDJ	Mudanjiang	10.83 308	P	Pn	12 06 07.1	+3.0
MDJ			sP	Pn	12 06 21.8	
MDJ			S	Sn	12 08 03.6	-0.2
MDJ			sS	Pmax	12 08 16.9	
MDJ	comp=N,240nm,1.0s			Pmax		
MDJ	comp=N,16um,15.1s			LR		
MDJ	comp=N,19um,19.9s			LR		
MDJ	comp=N,43um,25.5s			LR		
MDJ	Mudanjiang	10.83 308	ePn	Pn	12 06 07.5	+3.4
KS01	Wonju Array Si	10.83 269	ePn	Pn	12 06 07.3	+3.1
KS15	Wonju Array Si	10.84 269	ePn	Pn	12 06 07.3	+2.9
TJN	Taejon	11.48 264j	eP	Pn	12 06 14.7	+1.6
TYV	Tyumovskoe	12.37 3	eP	Pn	12 06 24.9	-0.2
TYV			e	Pn	12 08 42.1	
TYV	comp=Z,42nm,0.8s			Pmax		
TYV	comp=Z,1um,5.7s			Pmax		
TYV	comp=Z,6um,15.0s			MLR		
GRNR	Gorny	12.78 345	eP	Pn	12 06 30.8	+0.1
GRNR				Pmax		
GRNR	comp=N,25nm,1.0s			Pmax		
GRNR	comp=Z,13nm,1.0s			Pmax		
CN2	Changchun	13.22 299	eP	Pn	12 06 37.8	+0.9
CN2			ePP	P	12 06 49.3	+4.0
CN2			eS	Sn	12 09 03.9	+1.6
CN2				Pmax		
CN2	comp=Z,30nm,1.2s			Pmax		
CN2	comp=Z,2um,5.0s			Pmax		
CN2	comp=Z,10um,17.0s			LR		
CN2	comp=Z,13um,17.0s			LR		
CN2	comp=Z,22um,17.0s			LR		
SNY	Shenyang	14.13 289	JP	Pn	12 06 50.8	+1.6
SNY				Pmax		
SNY	comp=Z,110nm,0.8s			Pmax		
SNY	comp=Z,2um,6.1s			LR		
SNY	comp=Z,12um,16.1s			LR		
SNY	comp=Z,24um,19.4s			LR		
SNY	comp=Z,43um,26.9s			LR		
NKL	Nikolayevsk	14.64 358	eP	Pn	12 06 53.0	-2.8
NKL			e	Pn	12 09 30.0	
NKL	comp=N,22nm,1.0s			Pmax		
NKL	comp=E,13nm,1.0s			Pmax		
NKL	comp=Z,47nm,1.0s			Pmax		
NKL	comp=E,1um,8.0s			Pmax		
NKL	comp=Z,1um,8.0s			Pmax		
NKL	comp=N,3um,12.0s			MLR		
NKL	comp=E,3um,12.0s			MLR		
NKL	comp=Z,6um,12.0s			MLR		
OKH	Okha	15.06 3deP		Pn	12 07 03.2	+1.9
OKH			eS	Sn	12 09 45.7	-1.1
OKH	comp=Z,1um,16.3s			Pmax		
OKH	comp=Z,6um,18.0s			MLR		
DL2	Dalian	15.56 278	P	Pn	12 07 08.5	+0.7
DL2			pP	P	12 07 16.6	+5.3
DL2			sP	P	12 07 27.8	-1.5
DL2			S	Sn	12 10 01.1	+2.0
DL2	comp=Z,350nm,1.2s			Pmax		
DL2	comp=Z,3um,6.3s			Pmax		
DL2	comp=Z,6um,14.3s			LR		
DL2	comp=Z,11um,16.3s			LR		
DL2	comp=Z,21um,28.8s			LR		
SKR	Severo-Kuril'sk	15.95 36	eP	P	12 07 15.1	-0.3
SKR				Pmax		
SKR	comp=Z,315nm,0.8s			MLR		
SKR	comp=Z,6um,13.0s			MLR		
JOW	Kunigami	16.13 228	P	P	12 07 16.4	-1.2
JOW	comp=Z,0.8nm,0.3s,baz=207,slow=16,SNR=11			P	12 07 16.2	+1.1
JOW	Kunigami	16.13 228	ePn	Pn	12 07 16.2	+1.1
ZEA	Zeya	18.11 332	eP	Pn	12 07 36.5	-2.8
ZEA			eS	Sn	12 10 57.0	-3.5
ZEA	comp=N,100nm,0.8s			Pmax		
ZEA	comp=E,52nm,0.8s			Pmax		
ZEA	comp=Z,180nm,10.0s			Pmax		
ZEA	comp=N,1um,10.0s			Pmax		
ZEA	comp=E,600nm,10.0s			Pmax		
ZEA	comp=Z,2um,10.0s			Pmax		
ZEA	comp=E,2um,8.0s			Smax		
SSE	Sheshan	18.27 252	P	Pn	12 07 40.8	-0.5
SSE			S	Sn	12 11 05.8	+1.1
SSE	comp=E,1um,11.1s			LR		
SSE	comp=E,3um,16.8s			LR		
SSE	comp=E,2um,16.5s			LR		
SSE	comp=N,892nm,1.0s			P	12 07 40.6	-0.7
PEA0B	Petrovavlovsk-	18.36 32	eP	P	12 07 41.7	-0.4
PETK	Petrovavlovsk-	18.36 32	P	P	12 07 40.7	-1.5
PETK	comp=Z,1.2nm,0.3s,baz=207,slow=9,SNR=21			PcP	12 12 12.0	+0.6



KPKS	comp=Z,593nm,3.9s	eP	pP	12 12 11.0 +1.5		
KPKS	comp=Z,268nm,6.8s	eS	pP	12 18 41.8 0.0		
KPKS	comp=Z,5um,25.2s	eLR	LR	12 31 06.0		
TRF	Thorofare Moun	46.75	35	eP	P	12 11 56.7 +0.9
COLD	Coldfoot	46.81	30	eP	P	12 11 57.4 +1.4
TARA	Tarawa	46.83	134	eP	P	12 11 56.6 -0.2
SPSI	Sidrap Palu	46.84	210	P	P	12 11 56.2 -0.6
ZHN	Zhnishke	46.98	297	iP	pP	12 11 58.0 +0.2
ZHN	Zhnishke	46.98	297	e/PP	pP	12 12 12.3 +0.7
ZHN	comp=Z,427nm,12.0s	iP	pP	12 11 58.0 +0.2		
ZHN	comp=Z,351nm,4.5s	eP	pP	12 12 12.4 +0.7		
ZHN	comp=Z,351nm,4.5s	eLR	LR	12 32 01.4		
JIRN	Jiri	47.01	274	eP	P	12 11 59.3 +0.7
RAMN	Ramite	47.02	273	eP	P	12 11 59.1 +0.5
SATY	Saty	47.03	297	iP	pP	12 11 58.4 +0.2
SATY	Saty	47.03	297	e/PP	pP	12 12 10.0 0.0
SATY	Saty	47.03	297	i/S	pmax	12 18 46.1 -0.2
SATY	comp=Z,536nm,3.9s	MLR	MLR			
SATY	comp=Z,1um,16.0s	eP	pP	12 11 58.5 +0.2		
SATY	comp=Z,536nm,3.9s	i/S	pP	12 18 46.2 -0.2		
SATY	comp=Z,193nm,5.3s	eLR	LR	12 32 10.2		
BNSI	Bone	47.10	210	P	P	12 11 59.3 +0.5
TOLK	Toolik Lake Re	47.10	28	eP	P	12 11 59.9 +1.5
TOLK	Toolik Lake Re	47.10	28	P	P	12 11 59.8 +1.4
RC01	Rabbit Creek A	47.12	38	eP	P	12 11 59.0 +0.5
BBSI	Bau Bau	47.20	206	P	P	12 12 14.8 +1.5
SAUI	Saumlaki	47.24	194	eP	P	12 12 00.5 +0.6
SAUI	Saumlaki	47.24	194	P	P	12 12 02.5 +2.6
RND	Reindeer	47.39	35	eP	P	12 12 01.3 +0.6
RND	Reindeer	47.39	35	eP	pmax	12 12 01.3 +0.6
RND	comp=Z,109nm,1.0s	47.66	275	eP	P	12 12 04.0 +0.5
KKN	Kakanj	47.66	275	eP	P	12 12 03.8 +0.2
PKI	Pulchoki	47.66	274	eP	P	12 12 03.8 +0.6
KNK	Knik Glacier	47.71	38	eP	P	12 12 04.7 +1.2
TCOL	CIGO, UAF Yank	47.77	33	P	P	12 12 04.8 +1.3
COLA	College	47.77	33c	iP	pmax	12 12 04.4 +0.9
COLA	College	47.77	33c	iP	pmax	12 12 04.7 +0.4
KAPI	Kappang	47.80	210	eP	P	12 12 04.7 +0.4
KAPI	Kappang	47.80	210	eP	pmax	12 12 04.7 +0.4
KAPI	Kappang	47.80	210	P	P	12 12 04.7 +0.4
DMN	Daman	47.88	274	eP	P	12 12 05.6 +0.4
BKSI	Bulukumba	47.94	209	P	P	12 12 04.9 -0.4
POKR	Poker Plat Res	47.94	33	P	P	12 12 06.2 +1.4
MDOK	Medeo	47.95	297	iP	pP	12 12 05.9 +0.5
MDOK	Medeo	47.95	297	e/PP	pP	12 12 20.7 +1.5
MDOK	Medeo	47.95	297	i/S	MLR	12 18 55.8 -3.6
MDOK	comp=Z,3um,21.0s	47.95	297	iP	pP	12 12 06.0 +0.5
MDOK	comp=Z,2um,4.2s	47.95	297	eP	pP	12 12 20.7 +1.5
MDOK	comp=Z,1um,15.5s	47.95	297	i/S	S	12 18 55.8 -3.6
MDOK	comp=Z,1um,15.5s	47.95	297	eLR	LR	12 30 38.2
PMG	Port Moresby	47.96	173	eP	P	12 12 04.8 -0.7
PMG	Port Moresby	47.96	173	eP	pmax	12 12 05.1 -0.4
AAA	Alma-Ata	48.02	297	eP	P	12 12 05.6 -0.3
AAA	Alma-Ata	48.02	297	eS	pmax	12 18 58.6 -1.7
AAA	comp=Z,34nm,0.6s	48.02	297	smax	smax	
AAA	comp=E,546nm,6.1s	48.02	297	MLR	MLR	
AAA	comp=Z,3um,24.0s	48.02	297	eS	S	12 12 05.6 -0.3
AAA	comp=Z,34nm,0.6s	48.02	297	eS	S	12 18 58.7 -1.7
AAA	comp=Z,546nm,6.1s	48.02	297	eLR	LR	12 31 27.4
KDJ	Kajisay	48.17	296	eP	P	12 12 08.8 +1.7
KDJ	Kajisay	48.17	296	eP	pmax	12 12 08.9 +1.7
HDA	Harding Lake	48.18	34	eP	P	12 12 07.0 +0.3
HDA	Harding Lake	48.18	34	P	P	12 12 06.9 +0.3
ILAR	Eielson Array	48.19	33	P	P	12 12 07.0 +0.2
ILAR	comp=Z,23nm,0.8s,baz=263,slow=5.8,SNR=250	48.19	33	PcP	PcP	12 13 32.4 -0.9
ILAR	comp=Z,16nm,0.8s,baz=267,slow=5.3,SNR=3.1	48.19	33	LR	LR	12 33 46.2
ILB	Eielson Array	48.19	33	eP	P	12 12 07.3 +0.6
ILB	comp=Z,14nm,1.8s	48.19	33	eP	P	12 12 07.2 +0.4
ILB	comp=Z,14nm,1.8s	48.19	33	eP	pmax	12 12 07.2 +0.8
SCM	Eielson Array	48.21	37	eP	P	12 12 07.9 +0.8
SCM	Sheep Creek Mo	48.21	37	eP	pmax	
SCM	Sheep Creek Mo	48.21	37	eP	pmax	
KUU	Kurty	48.22	298	iP	pP	12 12 07.2 -0.1
KUU	Kurty	48.22	298	e/PP	pP	12 12 22.7 +1.5
KUU	Kurty	48.22	298	eS	pmax	12 19 01.3 -1.7
KUU	comp=Z,572nm,3.0s	48.22	298	MLR	MLR	
KUU	comp=Z,2um,13.0s	48.22	298	iP	pP	12 12 07.2 -0.1
KUU	comp=Z,572nm,3.0s	48.22	298	eP	pP	12 12 22.7 +1.5
KUU	comp=Z,749nm,5.6s	48.22	298	eS	S	12 19 01.4 -1.7
KUU	comp=Z,2um,13.3s	48.22	298	eLR	LR	12 32 53.0
SKLT	Songkha	48.32	241	P	P	12 12 09.4 +1.0
TRTT	Trang	48.48	242	P	P	12 12 10.5 +0.9
BSSI	Bau Bau	48.55	208	P	P	12 12 13.0 +2.9
KRAB	Krabi	48.55	243	P	P	12 12 10.8 +0.6
DANN	Dangsing	48.59	276	eP	P	12 12 11.5 +0.8
ULHL	Ulhalo	48.80	296	P	P	12 12 12.5 +0.5
PAX	Paxson	48.80	35	eP	P	12 12 13.4 +0.6

PAXSON	comp=Z,40nm,0.9s	48.96	35	eP	pmax	12 12 13.4 +0.6
KOLN	Koldanda	48.98	275	eP	P	12 12 14.2 +0.6
BRZS	Berezni	48.99	307c	iP	P	12 12 13.1 -0.1
BRZS	Berezni	48.99	307c	eS	S	12 19 11.0 -2.6
BRZS	comp=Z,74nm,0.5s	48.99	307	iP	pmax	
BRZS	comp=N,95nm,5.4s	48.99	307	iP	pmax	
BRZS	Berezni	48.99	307	iP	P	12 12 13.1 -0.1
BRZS	comp=N,74nm,0.5s	48.99	307	eS	S	12 19 11.1 -2.6
TKM2	Tokmak 2	49.03	297	P	P	12 12 14.7 +0.9
TKM2	Tokmak 2	49.03	297	P	pmax	12 12 14.3 +0.5
TKM2	comp=Z,121nm,0.7s	49.12	39	eP	P	12 12 15.2 +1.3
EYAK	Cordova Ski Ar	49.12	39	eP	P	12 12 15.1 +0.4
BOK	Bokaro	49.15	270	eP	IAMB	12 12 16.7 +0.6
PYUN	Piuthan	49.30	276	eP	P	12 12 15.8 -0.8
BTLs	Baital	49.44	300c	iP	pP	12 12 13.9 +1.4
BTLs	Baital	49.44	300	iP	pP	12 12 15.9 -0.8
BTLs	Baital	49.44	300	iP	pP	12 12 15.9 -0.8
BTLs	comp=Z,248nm,4.1s	49.44	300	iP	pP	12 12 32.0 +1.4
BTLs	comp=Z,227nm,5.1s	49.53	298	iP	pP	12 19 19.4 -0.7
SGDS	Sogindy	49.53	298	iP	P	12 12 17.5 0.0
SGDS	comp=Z,298nm,3.6s	49.53	298	iP	pP	12 12 32.9 +1.5
SGDS	comp=Z,205nm,6.0s	49.53	298	eLR	LR	12 33 42.2
SGDS	comp=Z,2um,18.0s	49.53	298	eLR	LR	12 33 42.2
KZA	Kyzart	49.55	296	P	P	12 12 19.5 +1.5
KBA	Karagay Bulak	49.57	297	P	P	12 12 18.8 +0.9
CHMS	Chumysh	49.60	298	P	P	12 12 18.4 +0.5
OTUK	Ortuy	49.66	305	P	pmax	12 12 18.7 +0.4
OTUK	comp=Z,100nm,0.8s	49.66	311	iP	pmax	12 12 18.3 +0.1
BVA0	Borovy Array	49.66	311	iP	pmax	
BVA0	comp=Z,49nm,0.7s	49.66	311	LR	LR	12 34 18.1
BVAR	Borovy Array	49.66	311	LR	LR	12 34 18.1
USP	Ospenovka	49.68	298	P	P	12 12 19.2 +0.6
BRVK	Borovy	49.72	311	eP	P	12 12 19.0 +0.4
BRVK	Borovy	49.72	311	eP	pmax	12 12 19.0 +0.4
BRVK	Borovy	49.72	311	eP	pmax	12 12 19.0 +0.4
BRVK	Borovy	49.72	311	P	P	12 12 19.0 +0.4
BRVK	comp=Z,209nm,1.0s	49.72	311	P	P	12 12 19.0 +0.4
BRVK	SNR=34	49.72	311	P	P	12 12 19.0 +0.4
FRU1	Bishkek	49.74	297	eP	pP	12 12 35.9 +2.9
DGPR	DIGLIPUR	49.79	253	eP	P	12 12 19.9 +0.2
AAK	Ala-Archa	49.89	297	P	LR	12 35 29.3
AAK	Ala-Archa	49.89	297	P	P	12 12 21.0 +0.7
AAK	Ala-Archa	49.89	297	eP	P	12 12 20.7 +0.4
AAK	Ala-Archa	49.89	297	iP	P	12 12 19.9 -0.4
AAK	Ala-Archa	49.89	297	eP	pmax	12 12 20.7 +0.4
AAK	Ala-Archa	49.89	297	P	P	12 12 20.8 +0.4
AAK	Ala-Archa	49.89	297	P	P	12 12 20.8 +0.4
AAK	SNR=18	49.89	297	P	P	12 12 20.8 +0.4
KSH	Kashi	49.91	293	P	P	12 12 24.8 +4.3
KSH	Kashi	49.91	293	pP	sP	12 12 40.8 +0.5
KSH	Kashi	49.91	293	pP	pP	12 12 45.1 +1.1
KSH	Kashi	49.91	293	PP	PP	12 14 22.8 +7.3
KSH	Kashi	49.91	293	sS	sS	12 19 30.6 +3.5
KSH	Kashi	49.91	293	sS	sS	12 19 33.0 +2.7
KSH	Kashi	49.91	293	ScS	ScS	12 22 09.5 +2.1
KSH	Kashi	49.91	293	SS	SS	12 23 03.3 +3.3
KSH	comp=Z,93nm,0.7s	49.91	293	LR	LR	12 30 38.2
KSH	comp=Z,2um,15.3s	49.91	293	LR	LR	
KSH	comp=Z,2um,11.9s	49.91	293	LR	LR	
UCH	Uchtor	50.01	297	P	P	12 12 22.4 +0.8
MMRI	Mauere	50.25	205	P	P	12 12 22.8 -0.2
EKS2	Erkin-Say	50.38	298	P	P	12 12 24.6 +0.6
TPRI	Tanjung Pinang	50.50	231	P	P	12 12 25.8 +0.8
TGL	Tana Glacier	50.51	38	eP	P	12 12 25.8 +1.2
EDFI	Ende, Flores	50.54	206	P	P	12 12 24.0 -1.3
AML	Almayashu	50.62	297	P	P	12 12 27.2 +1.0
EGAK	Eagle	50.63	33	eP	P	12 12 25.5 +0.2
SOEI	Soe	50.66	202	eP	P	12 12 25.5 -0.7
SOEI	Soe	50.66	202	P	P	12 12 25.6 -0.7
BALM	Baldy	50.69	38	eP	P	12 12 27.2 +1.2
BALM	Baldy	50.69	38	eP	pmax	12 12 27.2 +1.2
HNR	Honiar	50.7				

17d 12h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KANTON, MDRS, PRGR, HSPB, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SUF, LOF, E04D, D05A, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ZEI, I07A, KIV, etc.





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Table with columns: TIRR, Location, Time, Status, Value, and other parameters. Includes entries like Tirgusor, Topalu, Ojcow, Uzhgorod, etc.

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Table with columns: Location, Time, Status, Value, and other parameters. Includes entries like Ostrava-Krasne, Mudurnu, Ksiaz, etc.

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Table with columns: Location, Time, Status, Value, and other parameters. Includes entries like YLV, CLL, CLL, etc.

X16A	baz=312,SNR=15 Lo Mia Camp, P comp=2,49nm,1.1s	80.83	53	P	P	12 15 41.7 +1.1
LFK	Lefkose	80.90	308	eP	P	12 15 39.7 -1.1
NKC	Novy Kostel	80.93	308	e	P	12 15 56.8 +0.1
NKC						12 16 02.3
NKC				MLR	MLR	
NKC	comp=Z,3um,16.0s Novy Kostel	80.93	330	eP	P	12 15 40.7 +0.1
NKC				ex	x	12 15 47.0
NKC				ex	x	12 15 56.8
NKC				ex	x	12 16 02.3
NKC				eS	S	12 26 10.8 +26
NKC				AMS	AMS	12 25 10.0
MOX	comp=Z,3um,16.0s Moxa	80.93	330	P	P	12 15 40.7 +0.2
MOX				pmax	pmax	
MDVR	comp=Z,137nm,1.8s Moldovita	80.94	321	fl	P	12 15 40.9 +0.1
RKY	Sarkovj Tekirda	81.09	315	eP	P	12 15 40.9 -0.2
KEPZ	Antalya-Kepez	81.01	310	i	P	12 15 40.7 -0.6
KEPZ				IAML_P		
DURS	comp=Z,522nm,0.5s Dursunbey	81.01	314	i	P	12 15 41.4 +0.1
DURS				IAML_P		
SUSD	comp=Z,669nm,0.4s Miller	81.02	39	P	P	12 15 41.2 +0.1
INVG	baz=316,SNR=14 Invergoldie, C	81.02	341	eP	P	12 15 41.0 +0.1
ISP	Isparta	81.03	312	eP	P	12 15 41.0 -0.4
ISP	Isparta	81.03	312	eP	P	12 15 41.1 -0.4
ISP	comp=Z,62nm,1.2s Isparta	81.03	312	eP	P	12 15 41.1 -0.4
ISP				pmax	pmax	
SHMJ	Saham	81.15	305	P	P	12 15 43.2 +1.1
TIH	Tihany	81.18	325	eP	P	12 15 42.0 +0.1
TIH				lePP	PP	12 19 04.0 +17
SOP	Sopron	81.18	326	eP	P	12 15 54.1 +7.1
SOP				eS	S	12 25 54.0 +6.1
TAU	Tasmania Unive comp=Z,96nm,1.3s Mathiatia	81.22	176	eP	P	12 15 42.1 +0.3
CSS	comp=Z,72nm,0.9s Karahalli	81.24	308	eP	P	12 15 42.4 -0.1
KHAL	Karahalli	81.27	313	i	P	12 15 42.4 -0.3
KHAL				IAML_P		
KDZ	comp=Z,509nm,0.9s Kurdzhali	81.27	317	eP	P	12 15 47.1 +4.5
KDZ	Kurdzhali	81.27	317	P	P	12 15 47.3 +4.7
PGB	Panagyurishte	81.30	318	P	P	12 15 43.2 +0.5
CONA	Conrad Observa	81.30	326	eP	P	12 15 43.5 +0.8
USAK	comp=Z,29nm,0.7s,SNR=28 Uak-Merkez	81.31	313	i	P	12 15 43.4 +0.5
USAK				IAML_P		
BALB	comp=Z,471nm,0.5s Balikesir	81.32	314	eP	P	12 15 42.6 -0.1
KHC	comp=Z,836nm,1.4s Kasperske Hory	81.33	328	eP	P	12 15 43.1 +0.3
KHC	comp=Z,82nm,1.2s Kasperske Hory	81.33	328	eP	P	12 15 43.1 +0.3
KHC				e	e	12 15 58.8
KHC				eS	S	12 16 04.4
KHC				MLR	MLR	12 25 45.7 -3.8
KHC	comp=Z,4um,19.7s Kasperske Hory	81.33	328	eP	P	12 15 43.1 +0.3
KHC				ePcP	PcP	12 15 48.6 -0.2
KHC				eP	P	12 15 48.3 +1.2
KHC				eS	S	12 16 04.4 +1.1
KHC				eS	S	12 25 45.7 -3.8
KHC				AMS	AMS	12 53 50.0
MORH	comp=Z,4um,19.7s MIRgy, Hungary	81.35	324	fl	P	12 15 42.6 -0.2
MORH	MIRgy, Hungary	81.35	324	eP	P	12 15 42.1 -0.7
MORH				ePP	PP	12 18 51.1 +2.7
MORH				eS	S	12 25 36.0 -1.4
ERIK	Erikli-Kesani	81.36	316	eP	P	12 15 43.5 +0.5
BRDR	BURDUR-Merkez	81.39	312	i	P	12 15 43.1 -0.2
BRDR				IAML_P		
S22A	comp=Z,23nm,0.1s 4UR Ranch, Cre	81.43	48	eP	P	12 15 44.3 +0.5
S22A	comp=Z,42nm,1.0s 4UR Ranch, Cre	81.43	48	P	P	12 15 45.2 +1.4
W18A	comp=Z,312,SNR=16 Petrified Fore	81.44	52	eP	P	12 15 43.8 0.0
W18A	comp=Z,33nm,1.1s Petrified Fore	81.44	52	P	P	12 15 44.8 +1.0
ALN	comp=Z,312,SNR=16 Alexandroupoli	81.46	316	eP	P	12 15 41.4 -2.1
ALN				ePcP	P	12 15 43.0 -0.5
ALN	Alexandroupoli	81.46	316	P	P	12 15 41.4 -2.1
ALN	Alexandroupoli	81.46	316	P	P	12 15 41.4 -2.1
LAWE	Loch Awe, Argy	81.50	342	eP	P	12 15 43.5 +0.1
LAWE				IAMB	IAMB	12 15 52.2
GERES	comp=Z,130nm,1.1s GERESS Array B	81.51	328	P	P	12 15 43.9 +0.1
GEAO	comp=Z,17nm,0.7s,baz=34,slow=5.5,SNR=79 GERESS Array S	81.51	328	eP	P	12 15 43.6 -0.1
214A	Organ Pipe Nat baz=310	81.56	56	P	P	12 15 44.8 +0.5
RDO	Rodhopi	81.56	317	eP	P	12 15 43.6 -0.4
RDO	Rodhopi	81.56	317	eP	P	12 15 43.2 -0.8
RDO	Rodhopi	81.56	317	P	P	12 15 43.2 -0.8
Q24A	Divide	81.57	46	eP	P	12 15 44.8 +0.2
Q24A	comp=Z,26nm,1.0s Divide	81.57	46	P	P	12 15 45.2 +0.7
GELI	comp=Z,315,SNR=7.3 Tayful-Gelib	81.58	316	eP	P	12 15 44.0 -0.1
RZN	Rozhen	81.62	318	P	P	12 15 45.1 +0.5
WTSB	Winterswijk	81.63	334	eP	P	12 15 44.2 0.0
WTSB	comp=Z,46nm,0.6s					
KULA	Kula-Manisa	81.65	313	eP	P	12 16 05.4 +0.7
PGBU	Gleniffbraes	81.68	341	eP	P	12 15 44.5 +0.1
PGBU				IAMB	IAMB	12 15 53.4
KORT	comp=Z,258nm,1.1s Korkuelli	81.69	311	eP	P	12 15 41.8 -3.2
KORT	Korkuelli	81.69	311	i	P	12 15 45.4 +0.4
KORT				IAML_P		
X18A	comp=Z,160nm,0.3s Snowflake	81.69	52	eP	P	12 15 45.0 -0.2
MANT	comp=Z,36nm,1.1s Manisa	81.72	313	eP	P	12 15 44.9 -0.3
MANT	comp=Z,401nm,1.3s Manisa	81.72	313	i	P	12 15 45.1 -0.1
MANT				IAML_P		
VTS	Vitoshia	81.73	319	eP	P	12 15 43.2 -1.9
VTS	Vitoshia	81.73	319	P	P	12 15 43.2 -1.9
VTS	Vitoshia	81.73	319	fl	P	12 15 45.9 +0.8
VTS	Vitoshia	81.73	319	fl	P	12 15 43.2 -1.9
VTS	Vitoshia	81.73	319	eP	P	12 15 45.9 +0.8
ESK	Eskdalemuir	81.80	341	eP	P	12 15 43.5 -1.4
ESK	Eskdalemuir	81.80	341	eP	P	12 15 45.1 +0.1
ESK				pmax	pmax	12 15 43.6 -1.4
EYMN	Ely	81.83	33	P	P	12 15 45.0 -0.4
GRA1	baz=321,SNR=8.1 Grafenberg Arr	81.84	330	eP	P	12 15 46.2 +0.8
GRF	comp=Z,66nm,1.7s Grafenberg Arr	81.84	330	eP	P	12 15 46.2 +0.8
GRF				pmax	pmax	
GRFO	comp=Z,86nm,1.7s Grafenberg	81.84	330	eP	P	12 15 46.3 +0.9
GRFO	comp=Z,802nm,1.7s			pmax	pmax	
WALJ	Wala	81.87	304	P	P	12 15 54.4 +8.6
EDMM	Edmundsbyers	81.89	340	eP	P	12 15 45.7 +0.1
OGNE	Ogallala	81.92	43	eP	P	12 15 46.4 +0.3
OGNE	comp=Z,139nm,1.3s Ogallala	81.92	43	P	P	12 15 46.0 -0.1
OGNE				P	P	12 15 46.7 +0.6
BEHE	Becsehely	82.01	325	fl	P	12 15 46.4 +0.1
BEHE	Becsehely	82.01	325	eP	P	12 15 45.0 -1.3
BEHE				eP	P	12 19 02.0 +8.2
MOA	Mollin	82.05	327	eP	P	12 15 46.9 +0.4
ELL	Elmal	82.12	311	eP	P	12 15 46.9 -0.3
AKUM	Antalya-Kumluc	82.15	311	i	P	12 15 46.4 -0.8
AKUM				IAML_P		
GHAJ	Ghor Haditha	82.20	304	P	P	12 15 48.2 +0.7
SDCO	Great Sand Dun	82.20	47	P	P	12 15 48.8 +0.9
MMB	baz=313,SNR=22 Musoniste	82.21	318	P	P	12 15 48.1 +0.6
TAVA	DEMIZLI, Tavas	82.22	312	P	P	12 15 48.2 +0.6
TAVA				IAML_P		
BB01	comp=Z,196nm,0.4s Bothel	82.32	340	eP	P	12 15 48.5 +0.8
KKK	Krupnik	82.35	319	P	P	12 15 48.9 +0.7
KESW	Keswick, Cumbr	82.42	340	eP	P	12 15 49.1 +0.8
KESW				IAMB	IAMB	12 15 57.1
AYDB	comp=Z,165nm,1.1s Zeytinokoy-Aydi	82.48	313	eP	P	12 15 48.1 -1.0
JDRK	Daraweish	82.50	303	P	P	12 15 50.3 +0.9
Soboth	82.62	326	eP	P	12 15 50.0 +0.3	
TUC	comp=Z,40nm,0.8s,SNR=43 Tucson	82.62	54	eP	P	12 15 50.1 +0.2
TUC	comp=Z,115nm,2.0s Tucson	82.62	54	eP	P	12 15 50.1 +0.2
TUC				pmax	pmax	
TUC	comp=Z,115nm,2.0s Tucson	82.62	54	P	P	12 15 50.5 +0.6
TUC	baz=311					
AKAS	Kas	82.65	311	P	P	12 15 49.0 -1.0
AKAS	Kas	82.65	311	i	P	12 15 49.9 -0.1
AKAS				IAML_P		
AYDN	comp=Z,1um,0.7s Tasoluk	82.68	313	i	P	12 15 51.4 +1.4
AYDN				IAML_P		
FETY	comp=Z,1um,0.6s Fethiye	82.68	311	eP	P	12 15 49.4 -0.7
FETY	Fethiye	82.68	311	i	P	12 15 50.6 +0.5
FETY				IAML_P		
ECSD	comp=Z,975nm,0.6s EROS Data Cent	82.68	38	P	P	12 15 49.9 0.0
HAPS	comp=Z,318,SNR=83 Han Pijesak, BI	82.79	322	i	P	12 15 50.0 -0.6
TURN	Turunc	82.80	312	i	P	12 15 52.5 +1.9
TURN				P	P	12 15 53.2 +2.5
DALY	Dalyan (Mula)	82.81	312	eP	P	12 15 50.0 +0.2
DALY	Dalyan (Mula)	82.81	312	i	P	12 15 50.1 -0.2
DALY				IAML_P		
C40A	comp=Z,568nm,0.6s Ile Royale Na	82.84	32	P	P	12 15 50.2 -0.4
E38A	comp=Z,65nm,0.9s The Farm, Brul	82.84	34	eP	P	12 15 50.0 -0.6
E38A	The Farm, Brul	82.84	34	P	P	12 15 50.2 -0.5
URLA	comp=Z,321,SNR=11 Izmir	82.93	314	eP	P	12 15 51.3 0.0
HGN	Heimangroeve	82.93	333	eP	P	12 15 50.7 -0.3
HGN	comp=Z,72nm,1.0s					
STIP	82.94	319	eP	P	12 16 12.2 +0.7	
KNDK	Kendrikon	82.95	318	eP	P	12 15 50.5 -0.8
KNT	Kendrikon	82.95	318	P	P	12 15 51.5 +0.1
KSCO	Kaye Shedlock	82.95	45	eP	P	12 15 48.5 -2.9
KSCO	comp=Z,83nm,1.3s Kaye Shedlock	82.95	45	P	P	12 15 51.5 0.0
OBKA	Obir	82.97	326	i	P	12 15 51.4 0.0
BEEN	Eben Emael	82.99	334	fl	P	12 15 51.4 0.0
BEEN				fl	P	12 16 12.7 +0.8

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Table with columns: PPT2, Papeete2, 85.22 117 eP, P, 12 16 07.5 +4.4, etc. Lists various locations and their associated data points.

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Table with columns: CLNB, Carlsbad, 86.95 50 eP, P, 12 16 11.4 -0.3, etc. Lists various locations and their associated data points.

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Table with columns: TBI, Tubuai, 89.19 121 eS, S, 12 27 07.2 -0.2, etc. Lists various locations and their associated data points.

	baz=326,SNR=6.2								
OLIL	Olney	90.61	37	eP	P	12 16 28.8	+0.1		
U41A	Viola	90.63	40	P	P	12 16 28.7	-0.2		
STCO	Saint Catharin	90.66	28	P	P	12 16 29.3	+0.4		
M50A	Fremont	90.66	32	P	P	12 16 29.0	+0.1		
JCT	Junction City	90.67	49	eP	P	12 16 29.3	+0.1		
JCT	Junction City	90.67	49	eP	P	12 16 29.3	+0.1		
JCT	Junction City	90.67	49	P	P	12 16 29.3	+0.1		
O48A	Farmland	90.71	34	P	P	12 16 29.0	-0.1		
O46A	CEJHS Indians	90.73	36	P	P	12 16 29.4	+0.1		
J54A	Appleton	90.80	28	eP	P	12 16 29.8	+0.3		
J54A	Appleton	90.80	28	P	P	12 16 29.8	+0.3		
PECO	Prince Edward	90.83	27	P	P	12 16 29.6	0.0		
P47A	Martinsville	90.85	35	P	P	12 16 29.9	+0.1		
R45A	Skyler, Fairri	90.88	37	P	P	12 16 30.1	+0.1		
S44A	Carbondale	90.89	38	P	P	12 16 30.4	+0.4		
SIUC	Southern Illin	90.89	38	eP	P	12 16 30.1	0.0		
WHTX	Lake Whitney	90.93	47	eP	P	12 16 28.6	-1.7		
WHTX	Lake Whitney	90.93	47	P	P	12 16 30.7	+0.3		
MEDO	Medina	90.97	28	P	P	12 16 30.1	-0.2		
LONY	Lake Ozonia	91.05	25	P	P	12 16 30.2	-0.4		
M51A	Elyria	91.08	31	P	P	12 16 30.5	-0.4		
J55A	Hilton	91.11	28	eP	P	12 16 31.1	+0.1		
J55A	Hilton	91.11	28	P	P	12 16 31.0	+0.1		
O49A	Covington	91.12	33	eP	P	12 16 31.1	0.0		
O49A	Covington	91.12	33	P	P	12 16 31.2	0.0		
N50A	Nevada	91.15	32	P	P	12 16 31.4	+0.2		
MIAR	Mount Ida	91.15	43	P	P	12 16 31.8	+0.5		
MOQ	Mont Orford	91.17	23	eP	P	12 16 31.9	+0.6		
FRNY	Flat Rock	91.18	24	eP	P	12 16 30.7	-0.5		
O47A	Bedord North L	91.22	35	P	P	12 16 31.8	+0.2		
S45A	Carrier Mills	91.23	38	P	P	12 16 31.7	+0.1		
M52A	Chesterland	91.23	31	eP	P	12 16 31.6	0.0		
M52A	Chesterland	91.23	31	P	P	12 16 31.5	0.0		
P48A	Milroy	91.25	34	P	P	12 16 31.5	-0.1		
WHAR	Woolly Hollow	91.26	41	eP	P	12 16 31.6	-0.1		
ERPA	Erie	91.28	30	eP	P	12 16 31.9	+0.1		
ERPA	Erie	91.28	30	P	P	12 16 32.1	+0.3		
R46A	Gibon Southern	91.31	37	P	P	12 16 31.7	-0.2		
L53A	Girard	91.32	30	P	P	12 16 32.6	+0.6		
N51A	Ashland	91.34	32	eP	P	12 16 32.4	+0.3		
N51A	Ashland	91.34	32	P	P	12 16 31.9	-0.2		
W41B	Gary Mavity, V	91.37	41	P	P	12 16 32.2	-0.1		
L54A	Sinclairville	91.44	29	P	P	12 16 33.0	+0.5		
O50A	Cable	91.47	33	P	P	12 16 32.9	+0.2		
K55A	Perry	91.48	28	P	P	12 16 32.9	+0.1		
P49A	Miami Univ. Ec	91.50	34	P	P	12 16 32.7	-0.1		
MMNY	Mt. Morris Dam	91.54	28	eP	P	12 16 32.8	-0.0		
O48A	North Vernon	91.54	35	P	P	12 16 33.0	0.0		
X40A	Basin Creek Fa	91.59	42	eP	P	12 16 33.5	+0.1		
X40A	Basin Creek Fa	91.59	42	P	P	12 16 33.4	+0.1		
M53A	WI Miller and	91.59	30	P	P	12 16 33.3	0.0		
ALLY	Alegheny Colle	91.62	30	eP	P	12 16 33.5	+0.2		
U44A	Portageville	91.62	39	P	P	12 16 33.5	0.0		
S46A	Don Dixon Farm	91.64	37	P	P	12 16 33.4	-0.1		
ACSO	Alum Creek Sta	91.67	32	eP	P	12 16 33.9	+0.2		
ACSO	Alum Creek Sta	91.67	32	P	P	12 16 33.8	+0.2		
R47A	Wooly Knot Far	91.70	36	P	P	12 16 33.9	+0.1		
N52A	McGinn's Farm,	91.72	31	P	P	12 16 33.4	-0.4		
T45A	Paducah	91.72	38	P	P	12 16 33.7	-0.2		
NCB	Newcomb	91.74	25	eP	P	12 16 34.0	+0.1		
435B	Jarrell	91.75	48	P	P	12 16 34.1	0.0		
L55A	Hinsdale	91.82	29	P	P	12 16 34.2	-0.1		
P50A	Jamestown	91.83	33	P	P	12 16 34.7	+0.3		
O49A	Aurora	91.85	34	P	P	12 16 34.2	-0.3		
WCI	Wyandotte Cave	91.86	36	eP	P	12 16 33.5	-1.0		
WCI	Wyandotte Cave	91.86	36	eP	P	12 16 33.5	-1.0		
WCI	Wyandotte Cave	91.86	36	P	P	12 16 34.7	+0.2		
O51A	Pataskala	91.89	32	P	P	12 16 34.5	-0.2		
VT1	Waterbury	91.90	24	eP	P	12 16 34.8	+0.2		
R48A	Northridge Ran	91.91	35	P	P	12 16 35.0	+0.2		
M54A	Oil Creek Stat	91.93	30	eP	P	12 16 33.6	-1.2		
M54A	Oil Creek Stat	91.93	30	P	P	12 16 35.0	+0.1		
WLAR	White Oak Lake	92.06	43	eP	P	12 16 36.0	+0.5		
N53A	Lisbon	92.06	31	P	P	12 16 35.4	-0.1		
T46A	Princeton	92.07	37	P	P	12 16 36.1	+0.6		
PKME	Peaks-Kenny Pk	92.09	21	P	P	12 16 35.7	+0.2		
S47A	Hartford	92.10	36	P	P	12 16 35.6	0.0		
LBNH	Lisbon	92.24	23	P	P	12 16 37.0	+0.8		
O52A	Adamsville	92.24	32	eP	P	12 16 36.5	+0.3		
O52A	Adamsville	92.24	32	P	P	12 16 36.6	+0.4		
P51A	Williamsport	92.26	33	eP	P	12 16 36.2	-0.1		
P51A	Williamsport	92.26	33	P	P	12 16 36.1	-0.3		
N54A	Moraine State	92.27	30	eP	P	12 16 36.5	+0.2		

N54A	Moraine State	92.27	30	P	P	12 16 36.8	+0.4		
M55A	Ridgway	92.31	29	P	P	12 16 36.9	+0.3		
R49A	Shenoyville	92.31	35	P	P	12 16 36.7	+0.1		
O53A	New Philadelph	92.38	31	P	P	12 16 36.8	-0.1		
Q50A	Georgetown	92.39	34	P	P	12 16 36.8	-0.2		
S48A	Wiedeman Farm,	92.43	36	P	P	12 16 37.0	-0.1		
ACCN	Adirondack Com	92.45	25	eP	P	12 16 36.6	-0.6		
833A	Chaparral WMA,	92.47	50	eP	P	12 16 37.9	+0.4		
833A	Chaparral WMA,	92.47	50	P	P	12 16 37.8	+0.2		
U46A	Springville	92.48	38	P	P	12 16 37.3	-0.1		
T47A	Sharon Grove	92.48	37	eP	P	12 16 37.8	+0.3		
T47A	Sharon Grove	92.48	37	P	P	12 16 37.6	+0.2		
Q51A	Peebles	92.51	33	eP	P	12 16 37.6	+0.1		
Q51A	Peebles	92.51	33	P	P	12 16 37.6	+0.1		
P52A	Corning	92.52	32	P	P	12 16 37.0	-0.5		
Z41A	Richland Creek	92.55	43	P	P	12 16 38.0	+0.2		
X43A	Marvell	92.58	41	P	P	12 16 37.9	0.0		
NATX	Nacogdoches	92.68	45	P	P	12 16 38.4	-0.1		
S49A	Springfield	92.68	35	P	P	12 16 38.5	+0.2		
BINY	Binghamton	92.70	27	eP	P	12 16 38.4	0.0		
BINY	Binghamton	92.70	27	P	P	12 16 38.1	-0.3		
R50A	Paris	92.70	34	P	P	12 16 38.6	+0.2		
T48A	Bowling Green	92.72	36	P	P	12 16 38.3	-0.3		
O54A	Avella	92.78	31	P	P	12 16 38.9	+0.1		
N55A	Marion Center	92.82	30	P	P	12 16 38.9	0.0		
WVT	Waverly	92.83	38	eP	P	12 16 38.9	-0.1		
WVT	Waverly	92.83	38	eP	P	12 16 38.9	-0.1		
WVT	Waverly	92.83	38	P	P	12 16 39.1	+0.1		
U47A	Clarksville	92.84	37	P	P	12 16 39.2	+0.1		
V46A	Holladay	92.95	38	P	P	12 16 39.5	-0.1		
P53A	Whipple	92.95	32	eP	P	12 16 39.6	0.0		
P53A	Whipple	92.95	32	P	P	12 16 39.4	-0.2		
R51A	Hillsboro	93.01	34	P	P	12 16 40.1	+0.3		
Q52A	Bidwell	93.03	33	P	P	12 16 39.4	-0.5		
T49A	Edmonton	93.12	36	eP	P	12 16 40.2	-0.2		
T49A	Edmonton	93.12	36	P	P	12 16 40.4	0.0		
U48A	Cassie Pea, Po	93.14	37	P	P	12 16 40.5	+0.1		
S50A	Richmond	93.17	35	P	P	12 16 40.5	-0.1		
O55A	Ligonier	93.19	30	P	P	12 16 41.2	+0.6		
V47A	Nunnely	93.22	38	P	P	12 16 40.6	-0.3		
P54A	Burton	93.23	31	P	P	12 16 40.9	+0.1		
OXF	Oxford	93.34	40	eP	P	12 16 41.2	-0.2		
OXF	Oxford	93.34	40	eP	P	12 16 41.3	-0.2		
OXF	Oxford	93.34	40	P	P	12 16 41.2	-0.2		
W46A	Michie	93.36	39	P	P	12 16 41.2	-0.2		
SSPA	Standing Stone	93.36	29	P	P	12 16 41.2	-0.2		
HKT	Hockley	93.38	47	eP	P	12 16 42.3	+0.7		
HKT	Hockley	93.38	47	eP	P	12 16 42.3	+0.7		
R52A	Catlettsburg	93.39	33	P	P	12 16 41.4	-0.2		
O56A	Blue Knob Stat	93.42	30	eP	P	12 16 41.7	-0.1		
O56A	Blue Knob Stat	93.42	30	P	P				

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

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like Las Campanas, Tololo Observa, HJMA, etc.

MEX 17 12:06:59.0±0.5, 15.41°N-94.53°W, h16km, 7km, MD3.9, Near coast of Oaxaca

IDC 17 12:17:38.7±0.2, 26.01°N-97.66°E, h0km, mb3.6/4, mb1 3.7/4, mb1mx3.3/47, mbtmp3.6/4, Error ellipse: s-maj=383.3km s-min=21.0km az=58.0, Myanmar

ISC/JB 17 12:10.6±0.6, 24.88°N-123.08°E, 0.06, h10km, mb3.5/7, Error ellipse: s-maj=8.1km s-min=6.0km az=153.0

IDC 17 12:21:10.5±1.0, 24.80°N-123.06°E, h0km, mb3.6/7, mb1 3.8/7, mb1mx3.5/44, mbtmp3.6/7, Error ellipse: s-maj=61.2km s-min=18.3km az=65.0

JMA 17 12:21:10.4±0.3, 24.50°N-123.10°E, h1km, M3.2, ISC 17 12:21:11.7±0.8, 24.77°N-123.11°E, 0.07, h10km, n15, c05617, mb3.5/7, Southwestern Ryukyu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like WRA Warramunga Arr, YKA Yellowknife Arr, IDC 17 12:33:18.2±0.2, 24.80°N-123.12°E, h0km, mb3.3/4, mb1 3.4/4, mb1mx3.2/39, mbtmp3.3/4, Error ellipse: s-maj=169.1km s-min=22.4km az=64.0, Southwestern Ryukyu Islands

TAP 17 12:36:10.8, 24.35°N-121.45°E, h11km, ML2.0, 8C-3D, B, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, ISC. Includes stations like NNSB Datong, NNSB Nan Shan, NNS Nan Shan, etc.

Table with columns: TWF1, CHN5, FULB, ELDTW, CHN4, TWK. Rows include station names, codes, and coordinates.

IDC 17 12:36:46.3.1.1, 24:92N:123:44E, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.4/4.0, mbtmp3.4/5, Error ellipse: s-maj=59.9km s-min=22.2km az=69.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 17 12:40:36.8.1.1, 24:83N:123:49E, h0km, mb3.4/5, mb1 3.6/5, mb1mx3.4/4.2, mbtmp3.4/5, Error ellipse: s-maj=60.0km s-min=22.1km az=69.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like SONMG SONGINO ARRAY, etc.

IDC 17 12:44:21.1.0.5, 6:88N:0:03:73:14W, h156km, 5km, mb3.3/4, Error ellipse: s-maj=5.6km s-min=3.9km az=90.2

IDC 17 12:44:21.3.0.8, 6:77N:72:37W, h160km, 15km, mb3.0/1, mb1 3.4/3, mb1mx2.9/2.8, mbtmp3.7/3, Error ellipse: s-maj=65.5km s-min=7.5km az=132.0

RSNC 17 12:44:22.4.1.4, 6:83N:73:15W, h150km, 5km, ML3.5, MW3.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like GIRON SANTAND, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like PAMPIONA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like CAPUCHO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like OCANA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like CTAU TAUSA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like CHIC CHINGAZA, etc.

Table with columns: ELOV, SJCC, SMRC, MARP, PCON, YKFA, WRA. Rows include station names, codes, and coordinates.

IDC 17 12:45:59.8.0.9, 20:95N:146:16E, h0km, mb3.5/8, mb1 3.8/8, mb1mx3.5/4.2, mbtmp3.5/8, Error ellipse: s-maj=34.8km s-min=19.6km az=98.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like KSRK KORA ARRAY, etc.

IDC 17 12:49:32.6.0.8, 24:88N:123:30E, h0km, mb3.9/9, mb1 4.0/9, mb1mx3.8/3.6, mbtmp3.9/9, MS3.7/3, MS1 3.7/3, NEIC 17 12:49:31.6/7, Error ellipse: s-maj=52.8km s-min=16.4km az=66.0

IDC 17 12:49:34.5.0.2, 24:87N:123:24E, h22km, 5km, M3.4, NEIC 17 12:49:34.7.1.2, 24:83N:123:27E, h16km, 7km, mb4.1/1.1, Error ellipse: s-maj=7.2km s-min=5.6km az=111.0

IDC 17 12:49:34.4.1.3, 24:85N:123:28E, h0.4, h13km, 9km, n51, 0:47/53, mb4.0/1.9, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like YONAGUNI JIMA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like YONAGUNI JIMA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like XAN XIAN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like CM01 CHIANG MAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like ULN ULANBATOR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like ZALV ZALESOVO BEAM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like ZAAO ZALESOVO ARRAY, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like VCA VINCHINA, etc.

Table with columns: RTCV, TCA, RTLS, ACAN, ASPAN, MIRA, ASAL. Rows include station names, codes, and coordinates.

IDC 17 12:53:51.7.1.1, 24:87N:123:24E, h0km, mb3.4/5, mb1 3.6/5, mb1mx3.4/4.0, mbtmp3.4/5, Error ellipse: s-maj=63.1km s-min=21.2km az=69.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like YONAGUNI JIMA, etc.

IDC 17 12:55:37.7.1.1, 24:84N:123:17E, h0km, mb3.4/5, mb1 3.6/5, mb1mx3.4/3.9, mbtmp3.4/5, Error ellipse: s-maj=66.9km s-min=21.2km az=68.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like SONMG SONGINO ARRAY, etc.

IDC 17 12:56:32.7.0.8, 24:88N:0:04:123:12E, h10km, mb3.2/5, mb1 3.5/5, mb1mx3.3/4.1, mbtmp3.2/5, Error ellipse: s-maj=64.7km s-min=20.9km az=68.0

JMA 17 12:56:35.4.0.1, 24:75N:123:13E, h26km, 3km, M2.9, IDC 17 12:56:33.4.0.9, 24:75N:123:13E, h26km, 3km, M2.9

IDC 17 12:56:33.4.0.9, 24:75N:123:13E, h26km, 3km, M2.9, n15, 0:15/16, mb3.3/5, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like YONAGUNI JIMA, etc.

IDC 17 12:56:54.6.1.1, 24:91N:123:27E, h0km, mb3.4/5, mb1 3.6/5, mb1mx3.4/4.1, mbtmp3.4/5, Error ellipse: s-maj=59.6km s-min=21.1km az=69.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like SONMG SONGINO ARRAY, etc.

IDC 17 12:57:17.2.1.2, 24:82N:123:38E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/4.1, mbtmp3.4/4, Error ellipse: s-maj=86.2km s-min=23.3km az=77.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like SONMG SONGINO ARRAY, etc.

IDC 17 13:05:31.2.2.4, 56:98N:149:82W, h0km, mb3.6/1, mb1 3.7/5, mb1mx3.3/3.1, mbtmp3.5/5, ML2.9/4, Error ellipse: s-maj=36.1km s-min=22.0km az=173.0

NEIC 17 13:05:34.4.0.5, 57:32N:0:04:149:87W, h33km, mb3.4/1, Error ellipse: s-maj=5.9km s-min=3.3km az=172.4

NEIC 17 13:05:37.9.0.0, 57:25N:149:86W, h12km, ML3.1(AEIC), After AEIC

IDC 17 13:05:35.9.1.1, 57:27N:0:07:149:87W, h35km, n72, 0:59/82, Gulf of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like KDAK KODIAK ISLAND, etc.



17d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KARR, KAHC, SKLM, KELA, RED, RDSO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MDM, WHY, IM3, DLBC, DLBC, etc.

MEX 17 13:07:54.11.1, 18311N x 10323W, h5km, MD3.6, Near coast of Michoacan

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

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ISCJB 17 13:12:51.8, 0.9, 33.95N, 0.04, 139.30E, 0.08, h15km, 5km, mb3.2/2, Error ellipse: s-maj=12.5km s-min=4.6km

IDC 17 13:12:51.6, 1.5, 33.72N, 139.08E, h0km, mb3.1/2, mb1 3.5/3, mb1mx3.1/53, mbtmp3.2/3, ML2.6/1, Error ellipse: s-maj=38.6km s-min=18.3km az=56.0

JMA 17 13:12:52.7, 0.1, 34.02N, 139.38E, h9km, 2km, M3.5 JMA Fell II J1

ISC 17 13:12:52.3, 1.0, 34.01N, 0.06, 139.37E, 0.09, h17km, 7km, n15, c0575/20, Near south coast of eastern Honshu

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

ISCJB 17 13:15:10.0, 1.6, 24.91N, 0.07, 123.15E, 0.07, h8km, 11km, mb3.5/5, Error ellipse: s-maj=13.6km s-min=7.0km

IDC 17 13:15:10.1, 1.1, 24.93N, 123.39E, h0km, mb3.5/5, mb1 3.7/5, mb1mx3.4/53, mbtmp3.5/5, Error ellipse: s-maj=57.5km s-min=21.4km az=69.0

JMA 17 13:15:10.0, 2.0, 24.92N, 123.13E, h14km, 5km, M2.9

ISC 17 13:15:10.4, 2.2, 24.88N, 123.25E, 0.07, h4km, 14km, n12, c0569/18, mb3.5/5, Southwestern Ryukyu Islands

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

IDC 17 13:16:57.8, 1.2, 24.96N, 123.52E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/61, mbtmp3.4/4, MS3.2/1, M1 3.2/1, ms1mx2.8/33, Error ellipse: s-maj=88.2km s-min=23.8km

ISCJB 17 13:16:59.3, 1.1, 24.9N, 0.1, 123.13E, 0.05, h23km, 12km, mb3.3/4, MS3.0/1, Error ellipse: s-maj=17.0km s-min=7.8km az=175.7

JMA 17 13:16:59.4, 0.4, 24.85N, 123.09E, h23km, M2.7

ISC 17 13:16:57.9, 2.9, 24.86N, 123.3E, 0.1, h2km, 20km, n12, c0584/16, mb3.3/4, Southwestern Ryukyu Islands

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

IDC 17 13:20:33.7, 1.2, 24.91N, 123.55E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.2/62, mbtmp3.3/4, Error ellipse: s-maj=85.0km s-min=23.3km az=77.0

ISCJB 17 13:20:35.1, 3.3, 24.89N, 123.39E, 0.04, h24km, 11km, mb3.2/4, Error ellipse: s-maj=15.3km s-min=6.3km az=175.0

JMA 17 13:20:35.4, 0.2, 24.91N, 123.38E, h25km, M2.8

ISC 17 13:20:35.6, 2.0, 24.88N, 123.41E, 0.06, h14km, 13km, n11, c0545/17, mb3.3/4, Southwestern Ryukyu Islands

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

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

IDC 17 13:28:52.1, 1.2, 24.90N, 123.61E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.2/67, mbtmp3.3/4, MS3.1/1, Ms1 3.1/1, ms1mx2.7/27, Error ellipse: s-maj=58.9km s-min=23.8km az=76.0, Southwestern Ryukyu Islands

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

MOS 17 13:32:51.6, 1.1, 42.77N, 145.60E, h48km, mb4.8/1, Error ellipse: s-maj=15.5km s-min=7.7km az=86.7

ISCJB 17 13:32:52.4, 0.8, 42.86N, 145.54E, 0.07, h48km, 5km, mb3.8/13, MS3.8/1, Error ellipse: s-maj=11.9km s-min=5.4km az=137.6

JMA 17 13:32:53.0, 0.1, 42.87N, 145.52E, h45km, 1km, M3.7 JMA Fell II J1

SKHL 17 13:32:53.4, 0.5, 43.01N, 145.15E, h73km, 4km, mb5.1/5

IDC 17 13:32:55.2, 1.7, 42.75N, 145.57E, h4km, 21km, mb3.6/13, mb1 3.7/16, mb1mx3.5/67, mbtmp3.9/16, MS3.9/1, Ms1 3.9/1, ms1mx2.8/49, Error ellipse: s-maj=19.5km s-min=17.1km az=103.0

ISC 17 13:32:53.3, 1.3, 42.86N, 145.57E, 0.06, h41km, 10km, n40, c0518/51, mb3.8/13, 1C-2D, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKHN, JKHN, NEM2, etc.

Table with columns: YUK, comp=N, s, A, Pn, 13 33 28.0, -0.5, 13 33 31.0, etc.

IDC 17 13:34:10.0 1.6, 35.49N, 25.69E, h0km, mb3.3/2, mb1 3.3/3, mb1mx3.55, mbtrmp3.4/3, MS3.9/1, MS4.0/1, Ms1 4.0/1, ms1mx2.7/33, Error ellipse: s-maj=44.4km s-min=1.2km az=158.0

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

Table with columns: ANAF, ANAF, comp=N, 9691um, 0.4s, S, AML, Sb, 13 34 38.1, +1.0, etc.

ISCJB 17 13:34:19.9 0.6, 8.13S, 0.07, 119.65E, 0.06, h184km, mb3.1/2, Error ellipse: s-maj=10.8km s-min=7.0km az=24.3

DJA 17 13:34:19.3 0.7, 8.5S, 12.0E, h196km, 1km, M3.3/10, MLV3.3/10

IDC 17 13:34:21.6 3.1, 8.30S, 119.54E, h186km, 25km, mb2.7/3, mb1 3.0/6, mb1mx2.8/57, mbtrmp3.5/6, Error ellipse: s-maj=80.4km s-min=17.6km az=5.0

ISC 17 13:34:20.8 0.9, 8.18S, 0.07, 119.66E, 0.06, h184km, n14, c1524/19, Flores region

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

IDC 17 13:35:05.9 1.1, 24.88N, 123.30E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.5/65, mbtrmp3.7/5, MS3.5/1, Ms1 3.5/1, ms1mx2.7/49, Error ellipse: s-maj=60.3km s-min=21.0km az=69.0

ISCJB 17 13:35:06.1 0.8, 24.88N, 0.07, 123.28E, 0.07, h10km, mb3.6/5, Error ellipse: s-maj=11.2km s-min=7.9km az=43.8

TAP 17 13:35:12.4, 24.79N, 122.98E, h3km, 1km, ML3.3/C, ISC 17 13:35:07.3 1.1, 24.81N, 0.06, 123.28E, 0.09, h10km, n33, c085/33, mb3.6/5, Southwestern Ryukyu Islands

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

Table with columns: NNSB, Datong, baz=266, 1.77 258 eP, Pg, 13 35 40.6, -0.6, etc.

ISCJB 17 13:37:39.0 0.2, 44.51N, 0.01, 67E, 0.02, h14km, 2km, Error ellipse: s-maj=2.4km s-min=1.9km az=154.0

ROM 17 13:37:39.7 0.1, 44.505N, 0.006, 6.694E, 0.009, h11km, 1km, ML2.0/13, Error ellipse: s-maj=0.8km s-min=0.3km az=45.0

GEN 17 13:37:39.7, 44.50N, 6.66E, h7km, 1km, M1.2, STR 17 13:37:40.2 0.3, 45.1N, 1.1E, h11km, 4km, M2.1/7, MLV2.1/7

LDG 17 13:37:40.2 0.0, 44.52N, 6.70E, h2km, M2.4/3, M12.5/17, Error ellipse: s-maj=1.0km s-min=0.7km az=61.0

ISC 17 13:37:39.6 0.9, 44.52N, 0.01, 67E, 0.02, h17km, 2km, n11, c092/141, France

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



WHF	Hahuan Shan	1.88 249 eP	Pn	13 56 37.2 -0.2
ESL	Shilin	1.89 238 eP	Pb	13 56 38.5 -0.7
JMJ	Miyako jima 2	1.92 90 eP	Pg	13 56 42.3 +1.7
TDCB	Techi	1.93 253 eP	Pn	13 56 38.5 +0.6
EGFH	Guangfu	1.98 234 eP	Pb	13 56 40.4 -0.3
CHGB	Renai	1.99 248 eP	Pn	13 56 39.4 +0.7
NSTT	Nanjiang	1.99 265 eP	Pn	13 56 38.7 0.0
SBCB	Hsinchu	2.00 269 eP	Pn	13 56 39.2 +0.5
OWD	Renai	2.03 245 eP	Pn	13 56 40.0 +0.7
HGSD	Ruisui	2.09 231 eP	Pb	13 56 42.1 -0.5
WHP	Taichung City	2.11 255 eP	Pb	13 56 42.3 -0.6
VWDT	Yudi	2.15 240 eP	Pn	13 56 41.9 +1.1
EHY	Hungye	2.15 232 eP	Pn	13 56 41.7 +0.8
YULB	Yu-li	2.24 231 eP	Pn	13 56 42.9 +0.4
TWQ1	Liuyan	2.25 258 eP	Pn	13 56 43.5 +1.8
TWF1	Yuli	2.27 230 eP	Pn	13 56 43.8 +1.3
SSLB	Suanglung	2.29 243 eP	Pn	13 56 43.7 +1.0
SMLT	Sun Moon Lake	2.29 246 eP	Pn	13 56 42.1 -0.7
TYC	Yueh	2.31 247 eP	Pb	13 56 45.4 -0.9
FULB	Fuli	2.37 227 eP	Pn	13 56 44.2 +0.3
ALS	Alishan	2.54 239 eP	Pn	13 56 46.9 +0.4
ELDTW	Lidau	2.57 231 eP	Pn	13 56 46.6 -0.1
CHNS	Tsaling	2.60 242 eP	Pn	13 56 49.0 +1.9
RLNB	Erlin	2.74 251 eP	Pn	13 56 49.4 +0.5
STYT	Tauyuan	2.77 234 eP	Pn	13 56 50.9 +1.4
TWGBT	Beinan	2.78 224 eP	Pn	13 56 49.5 0.0
TWG	Pinlang	2.79 224 eP	Pn	13 56 49.4 -0.2
TPUB	Ta-pu	2.79 237 eP	Pn	13 56 50.2 +0.6
CHN4	Tsashan	2.79 239 eP	Pn	13 56 51.2 +1.6
WTP	Ta-pu	2.83 237 eP	Pn	13 56 51.1 +0.9
TWK	Hsinying	2.92 238 eP	Pn	13 56 53.9 +2.5
SNST	Tainan City	2.94 237 eP	Pn	13 56 53.7 +2.1
SGST	Jiashian	2.95 234 eP	Pn	13 56 54.6 +2.8
SLGT	Liugui	2.96 232 eP	Pn	13 56 54.6 +2.7
ECL	Taimali	3.02 223 eP	Pn	13 56 52.5 -0.3
SSD	Sandimen	3.13 229 eP	Pn	13 56 54.6 +0.4
MASBT	Mashibuluo	3.22 227 eP	Pn	13 56 55.8 +0.3
EAST	Anshuo	3.25 222 eP	Pn	13 56 57.7 +1.8
SPST	Xinbi	3.35 226 eP	Pn	13 56 59.4 +2.1
SCZT	Fangliu	3.40 224 eP	Pn	13 56 58.9 +0.9
XPSS	Dashiqi	3.41 208 eP	Pn	13 57 00.7 +2.6
WDGT	Dungji	3.58 245 eP	Pn	13 57 02.0 +1.5
TWKB	Hengchun	3.61 218 eP	Pn	13 57 02.6 +1.7
TWK1	Hengchun	3.61 218 eP	Pn	13 57 02.0 +1.1
TGY	Tagaytay City	10.88 192 LR	LR	14 02 49.1
KSR5	Korea Array	13.21 17 Pn	Pn	13 59 14.4 +1.8
KSR5	LR		LR	14 05 19.9
JHJ	comp-Z,299nm,18.8s,baz=216,slo=42		LR	14 06 08.9
MJAR	Matsushiro Arr	17.39 44 LR	LR	14 07 04.1
DAV	Davao City (W)	17.81 172 LR	LR	14 06 54.6
USRK	Ussuriysk Ar.	20.61 18 LR	LR	14 09 23.4
GUMO	Guam	23.30 115 LR	LR	14 08 54.0
CMAR	Chiang Mai Arr	23.29 259 P	P	14 01 15.3 +1.0
CMAR	LR		LR	14 10 52.7
ASAJ	Asahikawa	24.91 35 LR	LR	14 11 02.9
SONM	Songino Array	26.53 334 P	P	14 10 43.3 +0.3
MKAN	Makanchi Array	39.15 315 P	P	14 03 32.9 -0.3
ZALV	Zalesovo Beam	40.71 326 P	P	14 03 45.6 -0.3
ZALV	LR		LR	14 20 37.0
KURBB	Kurchatov Arra	42.80 319 P	P	14 04 02.9 -0.1
WRA	Warramunga Arr	45.81 165 P	P	14 04 27.7 +0.2
ASAR	Alice Springs	49.32 167 P	P	14 04 54.6 -0.2
FINES	FINES Array B	71.60 334 P	P	14 07 28.2 +0.4
YKA	Yellowknife Ar	81.86 23 P	P	14 08 22.1 -1.4

ISC 17 14:01:15.3-2.6,24.89N,123.20E,h0km,mb3.3/3, mb1.3/3,mb1mx3.2/42,mbtmp3.3/3,Error ellipse: s-maj=333.0km s-min=29.4km az=70.0

ISCJB 17 14:01:17.1-1.5,24.9N,0.1x123.13E,0.05,h22km,11km, mb3.3/3,Error ellipse: s-maj=17.6km s-min=7.0km az=165.2

JMA 17 14:01:18.4-0.2,24.78N,123.11E,h29km,3km,M2.9

ISC 17 14:01:17.1-1.5,24.82N,0.09,123.16E,0.05,h13km,14km, n11,+062/16,mb3.4/3,Southwestern Ryukyu Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res
YOJ	Yonaguni jima	0.39 201 P	Op P	14 01 25.9 +0.1
YJNG	Yonagunijimaku	0.42 208 P	S Pb	14 01 26.4 +0.1
IRIF	Iriomote-Funau	0.71 133 P	S Pb	14 01 31.8 -0.8
HATJ	Hateruma jima	0.96 142 P	Pn	14 01 31.9 +0.6
JKRS	Kuro-shima	0.97 127 P	Pn	14 01 36.0 -0.2
JIJ	Ishigaki jima	1.00 117 P	Pg	14 01 49.9 -0.0
JISG	Ishigakijimahi	1.07 103 P	eS Pb	14 01 36.5 +0.1
JISG			Sb	14 01 49.2 -0.2
JISG			Sb	14 01 37.4 -0.0
JISG			Sb	14 01 49.9 -1.4
JISG			Pb	14 01 43.5 +0.3
ITJU	Tarama	1.41 97 P	Pb	14 06 54.3 -0.2
SONM	Songino Array	26.53 334 P	P	14 06 54.3 -0.2
WRA	Warramunga Arr	45.81 165 P	P	14 09 39.5 +0.7
ASAR	Alice Springs	49.32 167 P	P	14 10 06.6 +0.6

ISCJB 17 14:01:35.7-0.3,36.38N,0.02,71.35E,0.05,h100km, mb3.9/15,Error ellipse: s-maj=5.5km s-min=3.5km az=0.6

BUI 17 14:01:36.0,36.61N,71.18E,h118km,mb4.5/13,mb4.4/5

NINC 17 14:01:36.4,30.36,82N,71.02E,h0km,mb4.8,mpv4.8, Error ellipse: s-maj=24.4km s-min=17.1km az=173.0

NEIC 17 14:01:37.1,0.7,36.39N,71.28E,h113km,10km,mb4.2/7, Error ellipse: s-maj=10.0km s-min=7.9km az=94.0

ISC 17 14:01:36.3-0.5,36.38N,0.05,71.26E,0.05,h100km,n80, c=212/90,mb3.9/15,9C-8D,Afghanistan-Tajikistan

border region

Code	Station Name	Δ° AZ°	Phase ID	Time Res
KBL	Kabul	2.58 225 ePn	Pn	14 02 19.0 +2.4
CEP	Cherat	2.60 168 P	P	14 02 18.7 +1.8
CEP			S	14 02 49.0 +1.0
CHCP	Chirah Chowk	3.17 148 P	Pn	14 02 25.9 +1.5
NIL	Nilore	3.17 148 Pn	Pn	14 02 25.9 +1.5
THW	Thamme Wali	3.60 174 P	Pn	14 02 31.3 +1.2
BTk	Batken	3.69 355 ePn	Pn	14 02 34.2 +2.8
SARP	Sargodha	4.06 165 P	Pn	14 02 43.3 -0.2
KSH	Kashi	4.87 48 P	Pn	14 02 43.8 -3.5
KSH			S	14 03 30.5 -12
KSH	comp=N,820nm,0.4s		smax	smax
ARSB	Arsiashan	5.12 15 ePn	Pn	14 02 51.1 +0.5
AML	Almalyashu	6.05 17 P	Pn	14 03 04.8 +1.2
NRN	Naryn	6.25 35 ePn	Pn	14 03 05.9 -0.3
UCH	Uchtor	6.36 22 P	Pn	14 03 09.0 +1.1
KZA	Kyzart	6.48 27 P	Pn	14 03 11.2 +1.8
EKS2	Erkin-Say	6.57 16 P	Pn	14 03 12.0 +1.6
AAK	Ala-Archa	6.73 21 P	Pn	14 03 14.5 +1.9
AAK			S	14 04 27.4 -0.4
AAK	1.9nm,0.3s,baz=315,slo=20,SNR=4.2			
AAK	Ala-Archa	6.73 21 P	Pn	14 03 14.2 +1.6
AAK	Ala-Archa	6.73 21 ePn	Pn	14 03 14.0 +1.4
AAK	Ala-Archa	6.73 21 P	Pn	14 03 14.0 +1.4
AAK			S	14 04 27.0 -0.9
KK31	Karatay Array	6.74 355 ePn	Pn	14 03 13.7 +1.1
KK31			eS	14 04 26.1 -1.6
KK31	Karatay Array	6.74 355 ePn	Pn	14 03 12.7 +0.1
KK31			↑S	14 04 25.3 -2.6
KKAR	Karatay Array	6.74 355 ePn	Pn	14 03 13.7 +1.1
KKAR			eS	14 04 26.1 -1.6
KBK	Karagaybulak	6.89 23 P	Pn	14 03 16.6 +1.9
FRU1	Bishkek	6.93 21 ePn	Pn	14 03 16.0 +0.8
CHMS	Chumysh	7.14 21 P	Pn	14 03 19.5 +1.5
USP	Ospenovka	7.32 19 P	Pn	14 03 22.2 +1.8
TKM2	Tokmak 2	7.34 26 P	Pn	14 03 22.7 +1.8
TKM2			↑P	14 03 21.7 +0.8
TKM2	51nm,0.6s		↑S	14 04 43.0 +0.3
KDJ	Kelisyay	7.35 37 ePn	Pn	14 03 21.8 +0.7
MDOX	Medeo	8.11 32 ↓P	Pn	14 03 31.9 +0.6
MDOX			↓S	14 05 00.3 -1.0
PRZ	Przheval'sk	8.22 40 ePn	Pn	14 03 33.6 +0.7
PDGK	Podgornoye	9.39 40 ↓P	Pn	14 03 48.3 -0.3
PDGK			↑S	14 05 35.7 +3.3
GEYT	Alibek	10.61 28 P	Pn	14 04 04.1 -1.1
GEYT			S	14 05 58.2 -3.8
GYA0B	ALIBEK ARRAY	10.61 28 ePn	Pn	14 04 03.8 -1.4
PYUN	Piuthan	12.90 126 eP	Pn	14 04 31.9 -4.2
MAKZ	Makanchi	13.14 34 ePn	Pn	14 04 37.0 -1.8
DANN	Dangising	13.24 124 eP	Pn	14 04 36.8 -3.8
MK01	Makanchi Array	13.26 35 ePn	Pn	14 04 40.2 -0.2
MK31	Makanchi Array	13.27 35 ePn	Pn	14 04 40.6 +0.1
MKAN	Makanchi Array	13.27 35 P	Pn	14 04 40.3 -0.3
KOLN	Koldandara	13.52 126 eP	Pn	14 04 40.7 -3.5
WMQ	Urumqi	14.60 54 eP	LR	14 04 59.0 +1.2
WMQ			LR	
WMQ	comp=N,230nm,18.3s		LR	
WMQ	comp=E,110nm,20.3s		LR	
DMN	comp-Z,230nm,21.5s	14.63 123 eP	Pn	14 04 54.2 -4.3
KKN	Kakani	14.63 122 eP	Pn	14 04 53.9 -4.6
PKIN	Pulchokki	14.85 122 eP	Pn	14 04 57.4 -3.9
PKI	Pulchoki	14.86 122 eP	Pn	14 04 57.4 -4.1
KURBB	Kurchatov Arra	15.17 18 P	Pn	14 05 07.2 -0.6
KURK	Kurchatov	15.28 18 ePn	Pn	14 05 08.4 -0.5
AB31	AKbulak array	15.29 331 ↓P	Pn	14 05 05.3 -1.2
AB31			↑S	14 07 50.5 -4.7
ABKAR	AKbulak array	15.29 331 ePn	Pn	14 05 05.2 -1.3
JIRN	Jiri	15.34 120 eP	Pn	14 05 03.3 -4.4
RAMN	Ramite	16.07 121 eP	Pn	14 05 12.2 -4.5
BVA0	Borovoye Array	16.66 358 ↓P	Pn	14 05 22.9 -0.6
BVA0			↑P	14 05 24.0 +0.5
ODAN	Odare	16.68 120 eP	Pn	14 05 20.0 -4.1
BRVK	Borovoye	16.69 358 ePn	Pn	14 05 23.0 -0.8
BRVK			↓P	14 05 23.1 -0.8
AKTO	Aktyubinsk	16.99 330 P	Pn	14 05 28.9 +1.0
AKTO			S	14 08 28.3 -8.0
AKTO	0.6nm,0.3s,baz=134,slo=22,SNR=7.7			
AKTO	Aktyubinsk	16.99 330 ↓P	Pn	14 05 28.5 +1.0
AKTO			↓S	14 08 32.1 -4.1
LSA	Lhasa	17.94 106 eP	P	14 05 37.6 -1.4
ZAA0	Zalesovo Array	19.94 24 eP	P	14 06 02.0 +0.2
ZALV	Zalesovo Beam	19.94 24 P	P	14 06 06.0 +0.6
ZALV			↑P	14 05 60.0 -0.1
ZALV	Zalesovo Beam	20.66 116 eP	P	14 06 07.9 -0.4
ARU	Arti	21.82 341 eP	P	14 06 22.1 +2.0
GTA	Gaotai	22.70 74 eP	P	14 06 31.9 +2.3
GTA			pmax	pmax
KBZ	Khabaz	22.84 297 P	P	14 06 33.2 +2.3
LZH	Lanzhou	26.22 81 ↓P	P	14 06 59.3 -2.6
LZH			pP	14 07 24.3 -1.1
LZH			pP	14 07 38.9 +1.3
LZH			Pn	14 07 46.5 -0.4
LZH			pmax	pmax
LZH	comp=Z,18nm,1.1s		pmax	pmax
CMAR	Chiang Mai Arr	30.21 119 P	P	14 07 38.0 +0.6

HHC	Hu-ho-hao-te	31.61 69 eP	P	14 07 50.5 +0.8
HHC			pmax	pmax
AKASG	Kalin Array Be	33.19 309 P	P	14 08 05.7 +2.5
FINES	FINES Array B	37.70 326 P	P	14 08 44.5 +2.8
ARCES	ARCCESS Array B	41.34 338 P	P	14 09 14.1 +2.3
NB2	NORSAR Subarra	44.60 323 P	P	14 09 40.4 +2.1
NOA	NORSAR Array B	44.60 323 P	P	14 09 40.6 +2.3
TORD	Torodi Ar. Bea	65.93 269 P	P	14 12 11.9 0.0
INK	Inuvik	73.99 9 P	P	14 13 02.1 +1.7
FITZ	Fitzroy Crossi	74.69 127 eP	P	14 13 05.3 +0.5
YKA	Yellowknife Ar	81.36 3 P	P	14 13 42.5 +1.1
WRA	Warramunga Arr	81.75 122 P	P	14 13 44.3 +0.3
VNDA	Vanda	125.32 165 PKP	PKP	14 20 24.8 +0.8
VNDA			pmax	pmax

TAP 17 14:03:17.7,24.29N,121.47E,h10km,ML2.3,10C-3D,A, Taiwan

Code	Station Name	Δ° AZ°	Phase ID	Time Res
ETLH	Xiulin Townshi	0.08 175 ↓P	Op P	14 03 21.1 +1.0
ETLH			S	14 03 22.5 +0.6
NACB	Ninganchiao	0.16 136 eP	↑P	14 03 22.3 +1.1
NACB			S	14 03 24.6 +1.0
NNSB	Datong	0.16 329 ↓P	↓P	14 03 25.5 +1.2
NNSB			S	14 03 24.9 +1.1
NNS	Nan Shan	0.17 328 ↓P	↓P	14 03 22.7 +1.2
NNS			S	14 03 25.3 +1.1
TWD	Chiawno	0.24 152 eP	↑P	14 03 24.0 +1.4
TWD			eS	14 03 27.2 +1.5
WHF	Huashan Shan	0.24 233 ↑P	↑P	14 03 23.8 +1.0
WHF				

IDC 17 14:03:17.4:1.0,24:90N:123:34E,h0km,mb3.6/G,
mb1 3.8/G,mb1mx3.5/43,mbtm3.6/G,MS2.6/1,Ms1 2.6/1,
ms1mx2.4/35,Error ellipse: s-maj=35.9km s-min=21.1km
az=68.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

NIED 17 14:04:00.24:90N:123:40E,h5km,Mw4.2 Best double
couple: M2.32000x1015 NP1.35118.00000x.642.00000,
lambda.82.00000. NP2.36288.00000x.849.00000,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 17 14:04:57.9:0.8,24:87N:105:123:35E,0.03,h24km,7km,
mb4.0/14,Error ellipse: s-maj=8.8km s-min=4.5km
az=179.4

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 17 14:05:58.8:0.9,24:94N:123:45E,h0km,mb3.9/G,
mb1 4.0/G,mb1mx3.7/45,mbtm3.9/G,MS3.2/1,Ms1 3.3/2,
ms1mx2.2/740,Error ellipse: s-maj=34.6km s-min=18.9km
az=67.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 17 14:05:53.0,24:29N:121:46E,h2km,ML1.6,C,Taiwan
n16,+0569/21,mb3.7/G,Southern Ryukyu Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ETHL, XIULIN TOWNSHI, NNSB, etc.

ISK 17 14:10:13.8,36:47N:34:18E,h16km,ML2.0/6
ISCJJB 17 14:10:14.4:1.1,36:44N:0:07:34:18E,0.09,h16km,7km,
Error ellipse: s-maj=16.2km s-min=5.2km az=136.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KIZK, MERSIN, SLFK, etc.

NIED 17 14:13:00.38:90N:142:00E,h5km,Mw4.1 Best double
couple: M2.43000x1015 NP1.35118.00000x.821.00000,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OFUJ, OFUNATO, etc.

IDC 17 14:13:35.5:1.2,36:86N:105:142:05E,0.09,h46km,9km,
lambda.136,+048/42,mb3.9/13,Near east coast of eastern
Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OFUJ, OFUNATO, etc.

IDC 17 14:17:00.34:00N:139:30E,h5km,Mw3.9 Best double
couple: M2.77000x1014 NP1.35118.00000x.864.00000,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JMKN, MIKURAJIMANISH, etc.

RSNC 17 14:30:39.8:1.0,5:36N:77:70W,h34km,16km,ML2.9,
Mw3.6,1C,Near west coast of Colombia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SOLC, BAHIA SOLANO, etc.

IDC 17 14:58:3.1:1.2,24:88N:105:123:27E,0.05,h11km,9km,
mb3.7/G,MS3.7/1,Error ellipse: s-maj=9.1km s-min=6.3km
az=36.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

DAV Davao City (W) 17.72 173 LR
comp=2.46nm,20.3s,baz=344,slow=37

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR, CHIANG MAI ARR, etc.

IDC 17 14:16:52.3:0.8,24:93N:105:123:37E,0.05,h10km,
mb3.5/G,Error ellipse: s-maj=7.3km s-min=5.7km az=34.4

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

NIED 17 14:17:00.34:00N:139:30E,h5km,Mw3.9 Best double
couple: M2.77000x1014 NP1.35118.00000x.864.00000,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JMKN, MIKURAJIMANISH, etc.

IDC 17 14:17:40.3:1.0,33:87N:139:35E,h0km,mb3.3/4,
mb1 3.7/G,mb1mx3.5/53,mbtm3.5/G,ML3.5/2,Error
ellipse: s-maj=27.4km s-min=14.0km az=65.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JHJ, HACHIOJIMA 2, etc.

RSNC 17 14:30:39.8:1.0,5:36N:77:70W,h34km,16km,ML2.9,
Mw3.6,1C,Near west coast of Colombia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SOLC, BAHIA SOLANO, etc.

IDC 17 14:58:3.1:1.2,24:88N:105:123:27E,0.05,h11km,9km,
mb3.7/G,MS3.7/1,Error ellipse: s-maj=9.1km s-min=6.3km
az=36.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.









17d 15h

Table of astronomical observations for 17d 15h, listing station names, coordinates, and observation details.

2013 APR

Main table of astronomical observations for 2013 APR, listing station names, coordinates, and observation details.

1054

Table of astronomical observations for 1054, listing station names, coordinates, and observation details.



17d 16h

ms1mx2.8/39, Error ellipse: s-maj=60.8km s-min=20.7km az=67.0

ISCJB 17 16:14:06.0e.1.1, 24.81N.0.09:123.06E.0.06, h29km, 8km, mb3.4/6, MS3.4/3, Error ellipse: s-maj=15.8km s-min=7.0km az=21.7

JMA 17 16:14:05.6.0.2, 24.87N.123.09E, h17km, 5km, M3.0

ISC 17 16:14:05.2e.1.6, 24.84N.0.07:123.17E.0.05, h17km, 10km, n18, c0543/20, mb3.4/6, MS3.4/3, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

ISK 17 16:18:55.9, 38.76N.43.46E, h15km, ML2.2/5

ISCJB 17 16:18:56.9.0.6, 38.78N.0.04:43.47E.0.06, h14km, 5km, Error ellipse: s-maj=9.9km s-min=4.2km az=36.9

DDA 17 16:18:54.3.0E, h7km, 5km, ML2.6

ISC 17 16:18:57.4.1.0, 38.78N.0.03:43.48E.0.05, h12km, 9km, n12, c1940/19, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VAN, VMUR, CLDR, GEVA, etc.

IDC 17 16:21:17.6.1.0, 24.91N.123.34E, h0km, mb3.6/6, mb1.3/6, mb1mx3.5/39, mbtmp3.6/6, MS2.9/1, Ms1.2.9/1, ms1mx2.3/38, Error ellipse: s-maj=63.5km s-min=20.5km az=69.0

ISCJB 17 16:21:19.7.0.5, 24.85N.0.03:123.16E.0.02, h17km, 4km, mb3.5/6, Error ellipse: s-maj=5.4km s-min=3.0km az=18.3

JMA 17 16:21:20.4.0.2, 24.81N.123.16E, h23km, M4.2

TAP 17 16:21:20.9.24.80N.122.93E, h3km, 1km, ML3.1

ISC 17 16:21:18.6.1.2, 24.88N.0.04:123.16E.0.02, h7km, 9km, n93, c1900/103, mb3.5/6, 1C-1D, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

2013 APR

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

ISCJB 17 16:24:02.3.0.9, 24.86N.0.05:123.13E.0.06, h10km, mb3.3/4, Error ellipse: s-maj=7.9km s-min=7.1km az=172.9

JMA 17 16:24:02.5.0.2, 24.87N.123.13E, h12km, M3.1

IDC 17 16:24:02.2.2.2, 24.66N.123.10E, h0km, mb3.4/4, mb1.3/4, mb1mx3.3/39, mbtmp3.4/4, Error ellipse: s-maj=17.1km s-min=23.8km az=65.0

ISC 17 16:24:03.7.1.2, 24.81N.0.07:123.19E.0.06, h10km, n9, c082/12, mb3.3/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.

TAP 17 16:24:07.0, 24.46N.121.95E, h16km, 1km, ML1.6, C.

1056

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SUAO, NINGANCHIAO, NANAN, etc.

ISCJB 17 16:25:38.6.0.6, 35.72N.0.04:97.09W.0.03, h10km, 4km, Error ellipse: s-maj=6.4km s-min=3.7km az=163.5

ANF 17 16:25:39.5.0.7, 35.67N.97.07W, h5km, ML3.5/11, Error ellipse: s-maj=11.1km s-min=6.1km az=158.0

TUL 17 16:25:39.2, 35.69N.97.08W, h7km, ML3.2

NEIC 17 16:25:39.2.0.0, 35.69N.97.08W, h7km, ML3.2(TUL), After TUL

NEIC Felt at Luthar and Oklahoma City

ISC 17 16:25:39.5.1.1, 35.68N.0.04:97.08W.0.03, h6km, 9km, n37, c077/45, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like LUTHER M SCHOO, WILSHIRE HARRA, JONES HIGH SCH, etc.

MEX 17 16:28:58.0.0.4, 14.90N.93.39W, h16km, 80km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PCIG, CGIG, CCIG, etc.

IDC 17 16:34:25.3.1.3, 24.61N.123.31E, h0km, mb3.2/4, mb1.3/4, mb1mx3.2/33, mbtmp3.2/4, Error ellipse: s-maj=93.3km s-min=24.3km az=79.0

ISCJB 17 16:34:26.5.0.9, 24.75N.123.33E.0.05, h16km, mb3.1/4, Error ellipse: s-maj=9.9km s-min=6.0km az=162.8

JMA 17 16:34:26.7.0.2, 24.74N.123.29E, h30km, 4km, M2.5

ISC 17 16:34:26.5.1.0, 24.6N.0.1:123.36E.0.05, h16km, n8, c060/10, mb3.3/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like YONAGUNI JIMA, YONAGUNIJIMAKU, HATERUMA JIMA, etc.

IDC 17 16:36:36.9.1.0, 24.81N.123.40E, h0km, mb3.5/6, mb1.3/6, mb1mx3.5/34, mbtmp3.4/7, ML3.0/1, Error ellipse: s-maj=34.5km s-min=20.0km az=72.0

ISCJB 17 16:36:39.4.0.9, 24.85N.0.07:123.37E.0.04, h27km, 8km, mb3.5/6, Error ellipse: s-maj=12.2km s-min=5.6km az=5.4

JMA 17 16:36:39.2.0.1, 24.88N.123.38E, h31km, 5km, M3.3

ISC 17 16:36:40.3.1.3, 24.76N.0.07:123.41E.0.04, h24km, 11km, n15, c053/22, mb3.4/6, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like YONAGUNI JIMA, YONAGUNIJIMAKU, IRIOMOTE-FUNAU, etc.





17d 17h

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

TAP 17 17:19:46.5,24:29N,121:46E,h10km,ML2.7,12C-2D,A,

Main table of station data for the 17d 17h event, listing station codes, names, and coordinates.

2013 APR

Table of station data for the 2013 APR event, including station names like WNT, YMO1, TWB1, etc.

NIED 17 17:19:00,24:90N,123:10E,h5km,Mw4.0 Best double couple: Mo1.17000:1015 NP1:882.00000:831.00000, lambda=7.800000, NP2:286.00000, delta1.00000, lambda=7.800000.
IDC 17 17:19:52.2,0.9,24:85N,123:17E,h0km,mb3.8/7, mb1 3.9/7, mb1mx3.6/47, mbtmp3.8/7, MS3.1/9, Ms1 3.2/9, ms1mx2.9/49, Error ellipse: s-maj=61.3km s-min=18.1km az=67.0
ISCJB 17 17:19:53.9,1.2,24:82N,123:07E,0:05, h23km,10km,mb3.7/7, MS3.1/5, Error ellipse: s-maj=15.3km s-min=7.5km az=17.3
JMA 17 17:19:53.0,1.1,24:88N,123:08E,h18km,M3.5
ISC 17 17:19:53.5,2.4,24:9N,0:1,123:16E,0:09,h8km,16km, n22,055118,mb3.7/7,MS3.2/5,Southwestern Ryukyu Islands

Table of station data for the 2013 APR event, continuing from the previous table.

ISCJB 17 17:21:24.6,0.4,47:28N,0:02:9:73E,0:02,h9km,2km, Error ellipse: s-maj=3.3km s-min=2.1km az=179.6
VIE 17 17:21:26.6,0.4,47:33N,9:82E,h6km,mb2.0/5,ml2.3/12, Error ellipse: s-maj=4.1km s-min=2.1km az=3.0, felt 4 ems98 at Mellau / Vorarlberg
ZUR 17 17:21:26.1,47:34N:9:86E, h-1km,MLh2.6/6, Error ellipse: s-maj=1.3km s-min=0.8km az=7.0
STR 17 17:21:26.6,3.1,47:N5:1:0E,1.5,h2km,13km,M2.5/7, MLv2.5/7
LDG 17 17:21:26.5,0.1,47:34N:9:84E,h2km,ML2.5/17, Error ellipse: s-maj=2.1km s-min=1.6km az=80.0
BGR 17 17:21:27.3,0.6,47:32N:0:44E,h10km,ML2.4/3, Error ellipse: s-maj=5.6km s-min=3.3km az=153.0

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BGR The tremor was also felt outside, accompanied by a bang. PRU 17 17:21:29.1,0.0,47:46N:9:88E,h20km
ISC 17 17:21:25.8,0.8,47:33N:0:02:9:82E,0:01,h7km,6km,n65, s127/109,2C-1D,Germany

Table of station data for the 1058 event, including station names like DAVA, DAVU, DAVZ, etc.

IDC 17 17:23:09.2,1.0,24:94N,123:33E,h0km,mb3.6/7, mb1 3.7/8, mb1mx3.5/49, mbtmp3.6/8, Error ellipse: s-maj=47.8km s-min=18.9km az=74.0
ISCJB 17 17:23:10.2,1.1,24:96N,0:06:123:39E,0:04, h18km,10km,mb3.5/7, Error ellipse: s-maj=10.2km s-min=6.6km az=170.5
JMA 17 17:23:10.5,0.3,24:94N:123:35E,h37km,M3.2
ISC 17 17:23:10.2,3.4,24:84N:0:06:123:45E,0:06,h10km,23km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YONAGUNI JIMA, IRIF, YJNG, etc.

IDC 17:17:27.06:4.1, 2.25:16N:124.14E, h0km, mb3.4/4, mb1.3/6.4, mb1mx3.3/4.7, mbtm3.3/4.4, MS3.2/1, ms1.3/2.1, ms1mx2.2/3.5, Error ellipse: s-maj=106.3km s-min=21.4km az=77.0

ISCJB 17:17:27.06:3.1.5, 24.96N:0.09:123.39E:0.06, h25km, mb3.5/4, MS3.1/1, Error ellipse: s-maj=14.6km s-min=9.4km az=171.3

JMA 17:17:27.06:0.4.2, 24.95N:123.39E, h24km, M2.7, ISC 17:17:27.06:4.2.0, 24.95N:123.40E:0.07, h16km, mb3.3km, n11, 0.994/15, mb3.4/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YONAGUNI JIMA, IRIF, YJNG, etc.

ISCJB 17:17:29.18:9.1.3, 24.94N:0.05:123.28E:0.05, h7km, mb3.6/6, Error ellipse: s-maj=10.2km s-min=6.4km az=38.1

JMA 17:17:29.18:0.2.2, 24.91N:123.29E, h8km, IDC 17:17:29.18:4.1.0, 24.90N:123.43E, h0km, mb3.4/6, mb1.3.5/7, mb1mx3.3/4.6, mbtm3.3/4.7, ML2.7/1, Error ellipse: s-maj=52.2km s-min=19.3km az=77.0

ISC 17:29:20.4.1.6, 24.87N:107.123E:0.06, h10km, mb3.12km, n14, 0.682/19, mb3.4/6, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YONAGUNI JIMA, IRIF, YJNG, etc.

TAP 17:29:43.4.2, 24.34N:121.41E, h3km, ML1.0, C, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DATONG, NNSB, NNS, etc.

IDC 17:17:30:16.7.3.9, 24.99N:123.77E, h0km, mb3.3/3, mb1.3/5.3, mb1mx3.1/4.3, mbtm3.3/3.3, Error ellipse: s-maj=57.9km s-min=25.8km az=70.0, Southwestern Ryukyu Islands

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

0.3m, 1.0s, baz=353, slow=6.9, SNR=3.2

ISCJB 17:17:36:42.0.0.8, 12.31N:0.03:142.06E:0.05, h129km, mb4.3/6.6, Error ellipse: s-maj=8.0km s-min=5.5km az=1.1

NEIC 17:17:36:43.0.0.8, 12.32N:142.04E, h123km, mb4.5/4.0, Error ellipse: s-maj=5.7km s-min=3.6km az=78.2

IDC 17:17:36:42.7.1.4, 12.36N:142.04E, h118km, mb4.14km, mb3.9/20, mb1.4.0/24, mb1mx3.8/4.4, mbtm3.4/3.2, MS3.0/1, Ms1.3/2.1, ms1mx2.4/4.5, Error ellipse: s-maj=12.7km s-min=9.5km az=79.0

DJA 17:17:36:51.1.3.2, 12.1N:19.14E:1.2, h193km, mb2.2km, M4.4/13, mb4.4/13, mb5.0/4, Mw(mb)4.3/4

ISC 17:17:36:42.6.1.0, 12.35N:0.05:142.02E:0.07, h116km, 1.0km, n110, 0.994/12.2, mb4.5/6.6, 1C, South of Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMO, JAY, GENI, etc.

ISCJB 17:17:29.18:9.1.3, 24.94N:0.05:123.28E:0.05, h7km, mb3.6/6, Error ellipse: s-maj=10.2km s-min=6.4km az=38.1

JMA 17:17:29.18:0.2.2, 24.91N:123.29E, h8km, IDC 17:17:29.18:4.1.0, 24.90N:123.43E, h0km, mb3.4/6, mb1.3.5/7, mb1mx3.3/4.6, mbtm3.3/4.7, ML2.7/1, Error ellipse: s-maj=52.2km s-min=19.3km az=77.0

ISC 17:29:20.4.1.6, 24.87N:107.123E:0.06, h10km, mb3.12km, n14, 0.682/19, mb3.4/6, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTAO, USA0B, USR, etc.

TAP 17:29:43.4.2, 24.34N:121.41E, h3km, ML1.0, C, Taiwan

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

IDC 17:17:30:16.7.3.9, 24.99N:123.77E, h0km, mb3.3/3, mb1.3/5.3, mb1mx3.1/4.3, mbtm3.3/3.3, Error ellipse: s-maj=57.9km s-min=25.8km az=70.0, Southwestern Ryukyu Islands

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

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

ISCJB 17:17:37:21.0.0.2, 24.95N:0.05:123.35E:0.04, h17km, mb4.0/15, MS3.4/7, Error ellipse: s-maj=8.4km s-min=5.3km az=175.8

IDC 17:17:37:21.0.0.7, 24.97N:123.32E, h0km, mb4.0/11, mb1.4/2.1, mb1mx3.8/4.1, mbtm3.4/0.1, ML2.0/1, MS3.5/7, Mb1.3.5/7, ms1mx3.0/4.9, Error ellipse: s-maj=25.5km s-min=14.8km az=69.0

NEIC 17:17:37:22.6.1.7, 24.95N:123.26E, h11km, mb4.1/5, Error ellipse: s-maj=8.1km s-min=7.8km az=92.0

JMA 17:17:37:22.0.2.0, 24.93N:123.36E, h30km, M3.4, ISC 17:17:37:21.4.1.8, 24.94N:0.06:123.35E:0.03, h5km, mb3.12km, n45, 0.910/41, mb3.9/15, MS3.5/7, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YONAGUNI JIMA, IRIF, YJNG, etc.

ISCJB 17:17:37:21.0.0.2, 24.95N:0.05:123.35E:0.04, h17km, mb4.0/15, MS3.4/7, Error ellipse: s-maj=8.4km s-min=5.3km az=175.8

IDC 17:17:37:21.0.0.7, 24.97N:123.32E, h0km, mb4.0/11, mb1.4/2.1, mb1mx3.8/4.1, mbtm3.4/0.1, ML2.0/1, MS3.5/7, Mb1.3.5/7, ms1mx3.0/4.9, Error ellipse: s-maj=25.5km s-min=14.8km az=69.0

NEIC 17:17:37:22.6.1.7, 24.95N:123.26E, h11km, mb4.1/5, Error ellipse: s-maj=8.1km s-min=7.8km az=92.0

JMA 17:17:37:22.0.2.0, 24.93N:123.36E, h30km, M3.4, ISC 17:17:37:21.4.1.8, 24.94N:0.06:123.35E:0.03, h5km, mb3.12km, n45, 0.910/41, mb3.9/15, MS3.5/7, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YONAGUNI JIMA, IRIF, YJNG, etc.



FLWY	Flagg Ranch	35.45	87	eP	P	18 06 15.6	+1.1
FXWY	Fox Creek	35.55	88	eP	P	18 06 16.4	+1.1
RLMT	Red Lodge	35.60	84	eP	P	18 06 17.2	+1.5
RLMT	Red Lodge	35.60	84	eP	P	18 06 17.7	+2.0
MOOW	Moose Ponds	35.64	87	eP	P	18 06 17.6	+1.6
TPAW	Teton Pass	35.69	88	eP	P	18 06 18.7	+2.1
HVU	Hansel Valley	35.78	92	eP	P	18 06 19.2	+2.0
HVU	Hansel Valley	35.78	92	eP	P	18 06 19.2	+2.0
LOHW	Long Hollow	35.80	87	eP	P	18 06 19.3	+1.8
FCC	Fort Churchill	36.23	56	eP	P	18 06 19.7	-0.9
FCC	Fort Churchill	36.23	56	eP	P	18 06 19.7	-0.9
LAO	LASA Array	36.33	80	eP	P	18 06 23.3	+1.5
LAO	LASA Array	36.33	80	eP	P	18 06 23.2	+1.5
DGMT	Dagmar	36.40	76	eP	P	18 06 23.2	+1.0
DGMT	Dagmar	36.40	76	eP	P	18 06 23.3	+1.0
R11A	Troy Canyon, C	36.57	98	eP	P	18 06 25.1	+1.0
R11A	Troy Canyon, C	36.57	98	eP	P	18 06 25.6	+1.5
HWUT	Hardware Ranch	36.57	91	eP	P	18 06 25.2	+1.1
DUG	Dugway, Tooele	36.83	94	eP	P	18 06 27.4	+1.3
DUG	Dugway, Tooele	36.83	94	eP	P	18 06 27.3	+1.1
BW06	Boulder Array	36.93	88	eP	P	18 06 28.2	+1.0
BW06	Boulder Array	36.93	88	eP	P	18 06 28.1	+1.0
PD31	Pinedale Array	36.93	88	eP	P	18 06 28.4	+1.2
PDAR	Pinedale Array	36.93	88	eP	P	18 06 28.4	+1.2
ISA	Isabella, Lake	36.94	104	eP	P	18 06 28.5	+1.5
TCUT	Toone Canyon	36.99	91	eP	P	18 06 28.8	+1.2
PSUT	Pine Spring	37.40	96	eP	P	18 06 32.3	+1.2
NLU	North Lily Min	37.40	93	eP	P	18 06 32.2	+1.0
TULEG	Thule	37.48	23	eP	P	18 06 31.0	-0.1
MPU	Maple Canyon	37.61	93	eP	P	18 06 34.8	+1.9
ZEA	Zeya	37.99	296	eP	P	18 06 34.2	-1.5
MSU	Marysvalle	38.35	95	eP	P	18 06 41.3	+2.1
MSU	Marysvalle	38.35	95	eP	P	18 06 41.3	+2.1
CCUT	Cedar City	38.37	97	eP	P	18 06 41.2	+1.8
BFSC	Mount Baldy Ra	38.45	105	eP	P	18 06 41.1	+1.2
P17A	Butcher Ranch,	38.48	93	eP	P	18 06 41.5	+1.3
SZCU	Shurtz Canyon	38.49	97	eP	P	18 06 41.9	+1.5
O16A	Castle Valley	38.63	94	eP	P	18 06 43.3	+1.8
CIS	Catalina Island	38.67	106	eP	P	18 06 42.9	+1.3
MTPU	Mount Pierson	38.68	95	eP	P	18 06 44.0	+1.9
K22A	Casper	38.70	85	eP	P	18 06 42.9	+0.9
K22A	Casper	38.70	85	eP	P	18 06 43.0	+1.0
LCMT	Little Creek M	38.82	98	eP	P	18 06 44.5	+1.4
SRU	San Rafael Swe	38.85	93	eP	P	18 06 45.3	+2.0
SRU	San Rafael Swe	38.85	93	eP	P	18 06 45.3	+2.0
PKCU	Pink Cliffs	39.03	96	eP	P	18 06 47.1	+2.1
KNB	Kanab	39.05	97	eP	P	18 06 46.8	+1.8
GMRC	Granite Mounta	39.12	102	eP	P	18 06 47.2	+1.6
RSSD	Black Hills	39.13	82	eP	P	18 06 46.7	+1.0
RSSD	Black Hills	39.13	82	eP	P	18 06 46.7	+1.0
RSSD	Black Hills	39.13	82	eP	P	18 06 46.3	+0.7
MDND	Madlock	39.24	74	eP	P	18 06 47.4	+1.1
MDND	Madlock	39.24	74	eP	P	18 06 47.4	+1.1
O20A	White River Ci	39.42	90	eP	P	18 06 49.2	+1.1
O20A	White River Ci	39.42	90	eP	P	18 06 49.0	+0.9
BELC	Belle Mtn. Jos	39.53	103	eP	P	18 06 50.2	+1.3
PFO	Pinyon Flats O	39.57	104	eP	P	18 06 50.5	+1.2
PFO	Pinyon Flats O	39.57	104	eP	P	18 06 50.5	+1.2
PFO	Pinyon Flats O	39.57	104	eP	P	18 06 50.5	+1.2
PFO	Pinyon Flats O	39.57	104	eP	P	18 06 50.6	+1.3
U15A	North Rim	39.77	97	eP	P	18 06 53.0	+1.9
ULM	Lac du Bonnet	39.80	69	eP	P	18 06 50.9	0.0
ULM	Lac du Bonnet	39.80	69	eP	P	18 23 38.9	
ULM	Lac du Bonnet	39.80	69	eP	P	18 06 50.7	-0.1
ULM	Lac du Bonnet	39.80	69	eP	P	18 06 50.7	-0.1
W13A	Hualapai Mount	39.86	100	eP	P	18 06 53.0	+1.2
IRM	Iron Mountain	39.87	102	eP	P	18 06 53.5	+1.8
N23A	Red Feather La	40.19	87	eP	P	18 06 55.9	+1.4
Y12C	Blythe	40.52	102	eP	P	18 06 59.0	+2.0
SMCO	Snowmass	40.79	90	eP	P	18 06 59.6	-0.1
WUAZ	Wupatki	40.95	97	eP	P	18 07 00.2	-0.5
WUAZ	Wupatki	40.95	97	eP	P	18 07 00.4	-0.3
AGMN	Agassiz Nation	40.97	71	eP	P	18 07 00.6	0.0
AGMN	Agassiz Nation	40.97	71	eP	P	18 07 00.4	-0.1
X16A	Lo Mia Camp, P	41.72	99	eP	P	18 07 08.0	+0.9
SUSD	Miller	41.72	78	eP	P	18 07 06.8	0.0
S22A	4UR Ranch, Cre	41.88	91	eP	P	18 07 08.4	-0.1
Q24A	Divide	41.96	88	eP	P	18 07 10.1	+0.9
BOD	Bodaibo	42.04	308	eP	P	18 07 07.4	-1.8
W18A	Petrified Fore	42.15	96	eP	P	18 07 11.6	+1.0

OGNE	Ogallala	42.34	84	eP	P	18 07 12.6	+0.6
X18A	Snowflake	42.46	97	eP	P	18 07 14.8	+1.7
SDCO	Great Sand Dun	42.62	90	eP	P	18 07 15.1	+0.6
214A	Organ Pipe Nat	42.82	102	eP	P	18 07 16.3	+0.4
MAJO	Matsushiro	42.89	268	eP	P	18 07 16.9	+0.5
MAJO	Matsushiro Arr	42.89	268	eP	P	18 07 18.0	+1.6
ECSD	EROS Data Cent	43.47	77	eP	P	18 07 20.4	-0.6
ECSD	EROS Data Cent	43.47	77	eP	P	18 07 20.3	-0.6
EYMN	Trinidad	43.48	69	eP	P	18 07 20.3	-0.8
TUC	Tucson	43.66	100	eP	P	18 07 23.5	+0.8
T25A	Trinidad	43.66	90	eP	P	18 07 23.0	+0.1
T25A	Trinidad	43.66	90	eP	P	18 07 23.0	+0.1
TASM	ASL Pad, Albuq	44.10	94	eP	P	18 07 26.7	+0.3
TASM	ASL Pad, Albuq	44.10	94	eP	P	18 07 26.8	+0.4
ANMO	Albuquerque	44.10	94	eP	P	18 07 27.3	+0.9
ANMO	Albuquerque	44.10	94	eP	P	18 07 27.3	+0.9
ANMO	Albuquerque	44.10	94	eP	P	18 07 27.3	+0.9
ANMO	Albuquerque	44.10	94	eP	P	18 07 26.8	+0.4
BGNE	Belgrade	44.18	80	eP	P	18 07 26.5	-0.2
E38A	The Farm, Brul	44.31	70	eP	P	18 07 27.4	-0.2
E38A	The Farm, Brul	44.31	70	eP	P	18 07 27.0	-0.6
F37A	Hincha Farm,	44.31	72	eP	P	18 07 27.1	-0.6
SPMN	Marine on St.	44.54	73	eP	P	18 07 29.6	0.0
SPMN	Marine on St.	44.54	73	eP	P	18 07 29.1	-0.5
NRIK	Norik's	44.55	331	eP	P	18 07 29.8	+0.4
NRIK	Norik's	44.55	331	eP	P	18 28 51.1	
F38A	Pierce - Schro	44.56	71	eP	P	18 07 30.0	+0.4
C40A	Isle Royale Na	44.72	67	eP	P	18 07 30.2	-0.7
CN2	Changchun	44.95	285	eP	P	18 07 35.9	+3.1
G38A	Ridgeand	45.09	72	eP	P	18 07 33.1	-0.7
CBKS	Cedar Bluff	45.09	84	eP	P	18 07 33.8	-0.2
F39A	Loretta	45.09	71	eP	P	18 07 33.9	-0.1
121A	Cookes Peak, D	45.15	97	eP	P	18 07 34.7	0.0
H38A	Maiden Rock	45.18	73	eP	P	18 07 34.4	-0.3
G39A	Holcombe	45.37	72	eP	P	18 07 35.7	-0.4
F40A	Park Falls	45.51	70	eP	P	18 07 36.7	-0.5
D41A	Chassel	45.58	68	eP	P	18 07 37.1	-0.6
H39A	Augusta	45.71	72	eP	P	18 07 38.5	-0.4
E41A	Kenton	45.76	69	eP	P	18 07 38.2	-1.0
G40A	Rib Lake	45.90	71	eP	P	18 07 40.2	-0.1
G40A	Rib Lake	45.90	71	eP	P	18 07 40.0	-0.3
I39A	Houston	46.14	73	eP	P	18 07 41.7	-0.5
I39A	Houston	46.14	73	eP	P	18 07 41.7	-0.5
F41A	Three Lakes	46.16	70	eP	P	18 07 42.2	-0.2
H40A	Chili	46.23	72	eP	P	18 07 42.1	-0.8
E42A	Champion	46.33	68	eP	P	18 07 43.3	-0.4
J39A	Decorah	46.39	74	eP	P	18 07 43.6	-0.6
I40A	Norwalk	46.60	73	eP	P	18 07 44.6	-1.2
H41A	Junction City	46.62	71	eP	P	18 07 45.4	-0.6
AMTX	Amarillo	46.82	90	eP	P	18 07 48.3	+0.6
E43A	Lone Tree Farm	46.84	68	eP	P	18 07 47.2	-0.5
G42A	Mountain	46.85	70	eP	P	18 07 47.7	-0.1
G42A	Mountain	46.85	70	eP	P	18 07 47.4	-0.4
I41A	Arkdale	46.88	72	eP	P	18 07 48.2	+0.2
I41A	Arkdale	46.88	72	eP	P	18 07 47.9	-0.1
F43A	Flat Rock, Esc	47.11	68	eP	P	18 07 49.3	-0.5
MNTX	Cornudas Mount	47.12	96	eP	P	18 07 51.6	+1.6
MNTX	Cornudas Mount	47.12	96	eP	P	18 07 50.4	+0.4
K40A	Colesburg	47.12	74	eP	P	18 07 49.4	-0.6
G43A	Wallace	47.23	69	eP	P	18 07 50.3	-0.4
J41A	Loganville	47.27	73	eP	P	18 07 50.4	-0.7
M39A	Wester	47.41	76	eP	P	18 07 51.4	-0.7
F44A	Big Bay de Noc	47.41	68	eP	P	18 07 51.5	-0.6
JFWS	Jewell Farm	47.46	73	eP	P	18 07 51.8	-0.7
I42A	Draeger Farm,	47.50	71	eP	P	18 07 52.4	-0.5
L40A	Anamosa	47.52	75	eP	P	18 07 52.3	-0.7
SFJD	Kangerlussuaq	47.60	29	eP	P	18 07 54.0	+0.7
SFJD	Kangerlussuaq	47.60	29	eP	P	18 07 54.0	+0.7
K41A	Shullsburg	47.64	74	eP	P	18 07 53.1	-0.8
H43A	Windswept, Lux	47.72	70	eP	P	18 07 54.0	-0.5
J42A	Columbus	47.78	72	eP	P	18 07 54.3	-0.7
M40A	Post Highland	47.81	76	eP	P	18 07 54.6	-0.6
L41A	Preston	47.90	74	eP	P	18 07 55.3	-0.7
I43A	Langenfeld Bro	47.91	71	eP	P	18 07 55.5	-0.6
KS01	Wonju Array Si	47.98	277	eP	P	18 07 57.1	+0.4
KSRS	Korea Array	47.98	277	eP	P	18 07 57.6	+1.0
KS15	Wonju Array Si	48.01	277	eP	P	18 07 57.6	+0.7
KSAR	Wonju Array Be	48.01	277	eP	P	18 07 57.6	+0.7
KSAR	Wonju Array Be	48.01	277	eP	P	18 07 57.6	+0.7
D46A	Sault Ste. Mari	48.02	65	eP	P	18 07 56.3	-0.5
K42A	Prairie Point,	48.03	73	eP	P	18 07 56.3	-0.7
F45A	CMU Biological	48.07	67	eP	P	18 07 56.2	-1.1
J45A	Natural Harves	48.11	72	eP	P	18 07 56.7	-0.9

N40A	Mertquake, Sal	48.14	76	eP	P	18 07 57.4	-0.4
E46A	Sault Ste Mari	48.23	66	eP	P	18 07 57.6	-0.9
D47A	Chateau	48.38	65	eP	P	18 07 58.6	-1.0
G45A	Suttons Bay	48.43	68	eP	P	18 07 59.2	-0.8
WMOK	Wichita Mounta	48.55	87	eP	P	18 08 01.4	+0.4
WMOK	Wichita Mounta	48.55	87	eP	P	18 08 01.4	+0.4
WMOK	Wichita Mounta	48.55	87	eP	P	18 08 01.2	+0.2
G46A	Petoskey	48.66	67	eP	P	18 08 01.1	-0.6</

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SONGAO, SONM, SONM, ELFO, G53A, P47A, L50A, O48A, S45A, N49A, R46A, P46A, P54A, P55A, V50A, O56A, O56A, S55A, X51A, Y50A, PKME, N59A, Z49A, Y51A, Z50A, 149A, X52A, LUPA, S56A, S57A, T57A, Z52A, S58A, S58A, X54A, KMSC, T58A, GOGA, Z53A, Y54A, X55A, Y55A, T59A, X56A, W57A, Z53A, DGZ, DGZ, V59A, W58A, NHSC, Z59A, KURK, BRVK, BRVK, FIAO, FIAO, FINESS, ARU, ARU, MK32, MKAR, MKAR, MKO1, WMQ, WMQ, CMIG, OBN, OBN, OBN, AKTO, ABKAR, AAK, AAK, TGy, KMI, KMI, N55A.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like V49A, Q53A, P54A, U50A, T51A, O55A, W49A, Q54A, X48A, MCWV, BINY, BINY, P55A, V50A, O56A, O56A, S55A, X51A, Y50A, PKME, N59A, Z49A, Y51A, Z50A, 149A, X52A, LUPA, S56A, S57A, T57A, Z52A, S58A, S58A, X54A, KMSC, T58A, GOGA, Z53A, Y54A, X55A, Y55A, T59A, X56A, W57A, Z53A, DGZ, DGZ, V59A, W58A, NHSC, Z59A, KURK, BRVK, BRVK, FIAO, FIAO, FINESS, ARU, ARU, MK32, MKAR, MKAR, MKO1, WMQ, WMQ, CMIG, OBN, OBN, OBN, AKTO, ABKAR, AAK, AAK, TGy, KMI, KMI, N55A.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KMI, KMI, KSH, KSH, QIZ, QIZ, QIZ, CLL, CLL, AKASO, AKKB, AKKB, GEC2, GEC2, GEC2, GERES, VYHS, VYHS, KIV, KIV, KIV, KBZ, NIL, NIL, NIL, CM1, CMAR, CM01, ES06, ESDC, ASAR, QSPA, ISCJB, NEIC, IDC, MOS, ISC, Code, HNR, HNR, HNR, HNR, RABL, DZM, DZM, DZM, DZM, PMG, PMG, PMG, MANU, CTA, CTAO, CTAO, EIDS, COEN, ARMA, JAY, GENI, WRAB, WRAB, STKA, STKA, STKA, STKA, AS01, AS31, ASAR, ASAR, MTN, TOO, TOO, TOO, URZ, BNDI, BBOO, RPZ, FITZ.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like FITZ, SANI, BATTI, MMRI, KMSI, EDFI, LUWI, BSSI, PSAO, BKSI, MBWA, BNI, KAPI, SPSI, MPPI, PLAI, MORW, NWAO, NWAO, PPT, PPT2, PPT2, TBI, KKM, MJAR, MAJO, KSM, JNU, LEM, ERM, TJN, ASAJ, KSR, KSAR, NJ2, NJ2, USA0, USA0B, USRK, SKNT, PETK, PEAT, PBKT, Vnda, Vnda, Vnda, UTTA, NANT, XAN, XAN, XAN, SUKH, LAMP, CM01, CM31, CMAR, CMHT, CHTO, CHTO, ZEA, SEY, ULN, ULN, ULN, GTA, GTA, GTA, YAK, YAK, YAK, KDAK, BILL, BILL, BILL.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like BILL, BOD, BOD, SVW2, GSPA, ZAK, TLY, TLY, SCM, SCM, TRF, BPAW, RND, RND, IM3, MAW, MAW, MAW, WRH, CCB, MDM, COLA, COLA, ILI, ILAR, ILB, RIDG, DOT, SCRK, TIXI, TIXI, WMQ, WMQ, WMQ, EGA, BBB, DAW, DLBC, DGZ, DGZ, NV01, NVAR, NVAR, EPYK, MK01, MK31, MK31, MK32, MKAR, R11A, SYO, ZALV, ZALV, ZAA1, NEW, KURK, KURK, BOZ, BOZ, REDW, YKA, YKA, YKBS, TXAR, ARAD, ARCES, OBN, OBN, CPUP, SIV, TORD, TOA1, URZ, URZ, JAY, ASAR, ASAR, WRA, WRA, MJAR.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like AKASG, BRTR, GERES, NIED, IDC, MOS, JMA, ISGJB, NEIC, BUI, ISC, Code, Station Name, Phase ID, Time, Res. Includes detailed information for Southwestern Ryukyu Islands.



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

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

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

Vertical text block containing specific call sign information and technical data, including call signs like THR, TEH, OMAN, DSN, and ISC.

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

1065

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASUD AI Ashush, MSFE Esma-Masafi, FAQ Al Faqa, etc.

TAP 17 18:38:06.5,2430N:121.47E,h10km,ML2.4,2C,B,

Main table for station 1065, listing station names, coordinates, and various parameters. Includes stations like Taiwan, ETHL Xiulin Townshi, NNSB Datong, etc.

2013 APR

Main table for station 2013 APR, listing station names, coordinates, and various parameters. Includes stations like NTC Toucheng, EOS1 baz=31, NHDH Xindian Distri, etc.

17d 18h

Table for station 17d 18h, listing station names, coordinates, and various parameters. Includes stations like JAY Jayapura, DAV Davao City, FITZ Fitzroy Crossi, etc.

JMA 17 18:48:55.0,2432N:123.40E,h31km,M2.5,

Table for station JMA 17 18:48:55.0, listing station names, coordinates, and various parameters. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

TAP 17 18:49:08.0,2448N:121.85E,h16km,ML1.8,B,Taiwan

Main table for station TAP 17 18:49:08.0, listing station names, coordinates, and various parameters. Includes stations like NANO Nanao, ENA Nanao, TWC Suao, etc.







Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like JOSH, JOT, JET, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like ILB, Eielson Array, KURK, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like AKASG, KIEV, KIV, etc.

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





Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MK31, MK32, MK33, MKAR, MKAF, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ZAK, ZAK, ZAK, TRPA, BZS, BZS, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KEST, KEST, KEST, ARAO, ARCS, ARCS, etc.

IDC 17 20:56:44.9e.1.0.24:91N:123:23E, h0km, mb3.8/9, mb1 4.0/9, mb1mx3.746, mbtmp3.8/9, Error ellipse: s-maj=37.0km s-min=18.1km az=67.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KJRS Kuro-shima, HATJ Hateruma jima, etc.

IDC 17:20:58:31.0,0.8,24:83N,123:19E,h0km,mb4.0/12, mb1.4/1.2,mb1mx3.8/4.1,mbtmp4.0/12,MS3.4/8, MS1.4/8,ms1mx1.8,Error ellipse: s-maj=30.9km s-min=15.3km az=66.0

JMA 17:20:58:31.8,24:91N,123:12E,h14km,1km,M3.4 ISCBJ 17:20:58:33.6,0.8,24:81N,123:13E,0.03,h29km,6km, mb4.1/21,MS3.2/4,Error ellipse: s-maj=9.2km s-min=4.9km az=8.3

NEIC 17:20:58:33.1,1.2,24:81N,123:16E,h14km,7km,mb4.3/10, Error ellipse: s-maj=7.5km s-min=5.3km az=68.0

ISC 17:20:58:31.6,3.3,24:80N,105:123E,0.04,h5km,22km, n205,0962/49,mb4.2/21,MS3.4/4,Southwestern Ryukyu Islands

Main table of station data for the 17d 21h period, including station names, coordinates, and seismic parameters.

MEX 17:21:09:03.2,0.5,16:31N,98:14W,h18km,4km,MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like PNIG Pinotepa, TLIG Tiapa, etc.

IDC 17:21:09:11.0,2.6,24:79N,123:26E,h0km,mb3.4/3, mb1.3/6,mb1mx3.2/4.4,mbtmp3.4/3,Error ellipse: s-maj=35.6km s-min=25.9km az=70.0

ISCBJ 17:21:09:12.8,1.2,24:85N,123:26E,0.04,h25km,10km,mb3.3/3,Error ellipse: s-maj=15.1km s-min=6.4km az=2.2

JMA 17:21:09:13.1,0.2,24:86N,123:36E,h29km,M2.7

ISC 17:21:09:11.8,1.7,24:85N,109:123E,0.06,h11km,15km, n11,0981/17,mb3.3/3,Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like YOJ Yonaguni jima, YJNG Yonagunijimaku, etc.

NIED 17:21:13:00,24:90N,123:30E,h5km,Mw4.9 Best double couple: Mo:7.90000x10^16 N1:0.00000,0.827.00000, lambda-113.00000. NP2:0.286.00000,0.866.00000, lambda-79.00000

BUJ 17:21:13:44.5,24:80N,123:30E,h6km,mb4.5/56,mb5.2/49, Ms5.1/67,Ms7.4/9/60

IDC 17:21:13:44.1,0.5,24:81N,123:29E,h0km,mb4.2/23, mb1.4/3.25,mb1mx1.1/3.2,mbtmp4.1/25,ML2.5/3,MS4.3/42, Ms1.4/342,ms1mx1.8/5.5,Error ellipse: s-maj=17.3km s-min=11.7km az=85.0

ISCJBJ 17:21:13:44.6,0.7,24:89N,102:123:31E,0.02,h9km,4km, mb4.5/73,MS4.5/56,Error ellipse: s-maj=4.2km s-min=2.9km az=21.1

JMA 17:21:13:45.3,0.2,24:88N,123:29E,h20km,M5.3

MOS 17:21:13:45.1,1.0,24:83N,123:34E,h17km,mb5.0/28, MS4.6/5,Error ellipse: s-maj=8.8km s-min=5.5km az=101.8

NEIC 17:21:13:46.3,0.2,24:85N,123:22E,h10km,mb4.7/23,Error ellipse: s-maj=6.7km s-min=4.3km az=119.0

GCMT 17:21:13:47.0,0.6,24:81N,101:123:12E,0.02,h12km, Mw5.0/92, Moment Tensor Solution. s47,c56; s92,c152; Duration: 0. Moment tensor: Scale 10^16Nm; Mr-3.03; 0.7; Mw0.65; 2.7; Best double couple: Mo:3.36400x10^16 N1:0.259.00000,0.860.00000,lambda-99.00000. NP2: 0.98.00000,0.831.00000,lambda-74.00000. Principal axes: T 3.1930,Plg15.0000, Azm356.0000; N 0.3390, Plg8.0000, Azm264.0000; P -3.5340,Plg73.0000, Azm146.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

ISC 17:21:13:47.0,0.6,24:76N,103:123:34E,0.03,h15km,3km, n205,0920/202,mb4.5/73,MS4.5/56,3C-6D, Southwestern Ryukyu Islands

Main table of station data for the 2013 APR period, including station names, coordinates, and seismic parameters.

Main table of station data for the 2013 APR period, including station names, coordinates, and seismic parameters.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like UMPA, MPSI, GTA, HIA, ASAJ, APSI, LUWI, ULN, YUK, SONM, SANI, YSS, SHL, FAKI, LSA, ZEA, TLY, IRK, MOY, JAY, MNSI, EDFI, MDSI, WMQ, DGZ, YAK, MK01, MK31, MKAR, MAKZ, PDGK, ZAAO, ZALV, ZALV.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like NVS, KSH, KSH, KSH, KSH, NNRN, NNRN, FITZ, FITZ, KURK, KURK, COEN, AAK, AAK, WRAB, WRAB, WRA, WRA, WB2, OTUK, OTUK, TIXI, TIXI, TIXI, TIXI, BRVK, BRVK, BRVK, BRVK, ASAR, ASAR, AS01, HNR, HNR, NRIK, NRIK, NRIK, NRIK, BILL, BILL, BILL, ABKAR, SVE, SVE, SVE, SVE, ARU, ARU, ARU, ARU, ARU, ARU, GEYT, NWAO, WSAR, STKA, STKA, STKA, DZM, PRGR, PRGR, KLMR, KLMR, KLMR, VRRH, VRRH, KBZ, KIV, KIV, KIV, LPSR, LPSR, VSR, VSR, ILAR, ILAR, OBN, OBN, OBN, OBN, FINES, FINES, FINES, INK, INK, VSU, VSU, VSU, AKASO, AKASO, BRTR, BRTR, DLBC, RES, RES, RES, RES, RES, NB2.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like NOA, NOA, URZ, VTS, VTS, VYHS, VYHS, BBB, UPC, YKA, YKA, YKA, VRAC, VRAC, SCO, SCO, PRUC, PRUC, KHC, KHC, KHC, GERES, GERES, DAVOX, RAR, RAR, NEW, YBH, YBH, FCC, FCC, FCC, FCC, KEST, PPT, PPT, PPT, NVAR, NVAR, NVAR, ELK, ELK, PDAR, PDAR, PFO, PFO, ESDC, BDFB, BDFB.

IDC 17 21:47:25.2, 3.3, 17715, -178.89W, h576km, 40km, mb3.3/5, mb1 3.4/5, mb1mx2.9/46, mbtmp4.2/5, Error ellipse: s-maj=68.0km s-min=19.6km az=147.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like STKA, WRA, ASAR, SIJI, ILAR, BRTR, GERES.

IDC 17 21:48:16.1, 1.7, 39.58N, 171.45E, h0km, mb3.8/4, mb1 3.5/9, mb1mx3.3/61, mbtmp3.5/9, ML2.8/5, Error ellipse: s-maj=32.4km s-min=15.5km az=148.0, SOME 17 21:48:17.8, 39.47N, 171.92E, h10km, KRNET 17 21:48:18.4, 0.1, 39.52N, 171.67E, mb3.2, ISCJB 17 21:48:19.9, 0.8, 39.44N, 171.63E, 0.04, h33km, mb3.7/4, Error ellipse: s-maj=8.0km s-min=4.6km az=166.1, NNC 17 21:48:23.3, 1.9, 39.75N, 171.81E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=16.4km s-min=11.1km az=166.0, ISC 17 21:48:17.8, 1.2, 39.61N, 171.77E, 0.03, h2km, 9km, n54, c2555/84, mb3.7/4, 29C-17D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DRK, DRK, BTk, BTk, ARSB, ARSB, ARK, ARK, ARK, TAS, TAS, AML, AML, AML, AML, ARLS, ARLS, CHM, CHM, MRKS, MRKS, MRKS, MRKS, UCH, UCH, UCH, EKS2, EKS2, KZA, KZA, KZA.







18d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, etc.

MEX 17 22:50:38.9-0.5, 16.35N-98.37W, h1km, MD3.5, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

ISCJB 17 23:00:50.8-0.6, 24.93N-104.123-1.1E, 0.05, h10km, mb3.5/6, MS3.0/6, Error ellipse: s-maj=6.3km s-min=5.7km az=178.2

IDC 17 23:00:50.5-1.1, 24.90N-123.23E, h0km, mb3.6/6, mb1 3.8/6, mb1mx3.5/3.1, mbtrp3.6/6, MS3.0/10, Ms1 3.1/10, ms1mx2.8/4.9, Error ellipse: s-maj=68.1km s-min=19.5km az=67.0

JMA 17 23:00:51.4-0.2, 24.92N-123.14E, h10km, 5km, M3.1, ISC 17 23:00:52.0-0.9, 24.89N-106.123-1.8E, 0.05, h10km, n22, 0.49/18, mb3.5/6, MS3.0/6, Southwestern Ryukyu Islands

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

ISCJB 17 23:12:54.0-0.4, 29.06N-104.138-1.48E, 0.08, h496km, mb3.5/14, Error ellipse: s-maj=9.8km s-min=5.8km az=3.0 JMA 17 23:12:54.8-0.2, 29.21N-138.94E, h528km, M3.9 IDC 17 23:12:56.2-1.4, 29.15N-138.47E, h516km, 16km, mb3.1/14, mb1 2.1/12, mb1mx3.1/4.6, mbtrp3.4/0.18, Error ellipse: s-maj=21.8km s-min=9.7km az=78.0 ISC 17 23:12:54.7-0.6, 29.13N-107.138-53E, 0.10, h496km, n35, 0.189/41, mb3.6/16, South Coast of Honshu

2013 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBIJ Chichi jima, TONANKAI O.B.S, etc.

JMA 17 23:16:58.5-0.3, 24.75N-123.18E, h17km, M2.7, Southwestern Ryukyu Islands

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

TAP 17 23:17:00.4, 24.24N-121.83E, h19km, 1km, ML1.4, C, Taiwan

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

IDC 17 23:23:56.2-3.6, 5.64S-149.89E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.3/3.5, mbtrp3.3/3, Error ellipse: s-maj=116.1km s-min=47.5km az=118.0, New Britain region

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

ISC 17 23:45:53.7-1.1, 45.23N-0.03-15.10E, 0.04, h13km, 12km, n10, 0.93/17, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOJS Bojanci, GBRs Gornja Briga, etc.

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MEX 17 23:46:30.9-0.3, 19.44N-104.42W, h70km, 4km, MD3.7, Near coast of Jalisco. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

MEX 17 23:53:05.2-0.6, 15.30N-92.96W, h76km, 15km, MD3.7, Mexico-Guatemala border region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

ISCJB 18 00:00:14.5-0.4, 40.56N-0.02-23.52E, 0.03, h0km, 6km, Error ellipse: s-maj=3.3km s-min=3.0km az=159.2 SOF 18 00:00:14.8, 40.56N-23.57E, h6km THE 18 00:00:14.9, 40.55N-23.54E, h8km, 1km, ML2.4/9, Error ellipse: s-maj=1.6km s-min=0.3km az=266.0 ATH 18 00:00:15.0, 40.55N-23.53E, h11km, 4km, ML2.1/7, Error ellipse: s-maj=4.8km s-min=0.8km az=214.0 SKO 18 00:00:15.7, 40.56N-23.51E, h2km, M1.7, ML2.1 ISC 18 00:00:14.9-0.8, 40.55N-0.02-23.53E, 0.02, h13km, 7km, n48, 0.45/73, 3C-1D, Greece

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

HORT Horiatis 0.33 278 P Pg 00 0216.0 -0.1 HORT Horiatis 0.33 278 P Pg 00 0216.0 -0.1 HORT Horiatis 0.33 278 P Pg 00 0216.0 -0.1

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

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

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

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

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

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

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

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

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

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

IDC 18 00:00:57.9-2.1, 24.30N-123.11E, h0km, mb3.4/4, mb1 3.5/4, mb1mx3.3/3.5, mbtrp3.4/4, MS2.6/1, Ms1 2.6/1, ms1mx2.1/3.2, Error ellipse: s-maj=164.8km s-min=22.5km az=65.0, Southwestern Ryukyu Islands

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

Table with columns: WRA, ASAR, Alice Springs, 45.80, 165, P, 00 09 20.8 -0.8, 0.4nm, 0.7s, baz=348, slow=6.6, SNR=2.9, 0.3nm, 0.6s, baz=346, slow=7.8, SNR=3.1

KRSC 18 00:01:22.3:10.0, 52.45N, 159.43E, h48km, 10km, ML3.5, Off east coast of Kamcatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, RUS, Russkaya, 0.56 269 eP, Pn, 00 01 34.9 +0.7, RUS, Russkaya, 0.56 269 eP, Pn, 00 01 34.9 +0.7

TAP 18 00:14:52.1, 24.35N, 121.45E, h5km, ML0.9, C, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, NNSB, Datong, 0.10 325 P, Pg, 00 14 54.8 +0.4, NNSB, Datong, 0.10 325 P, Pg, 00 14 54.8 +0.4

ISCJB 18 00:15:10.8:0.5, 24.89N, 0.03:123.13E:0.05, h10km, mb3.8/8, MS3.4/4, Error ellipse: s-maj=6.3km s-min=4.8km az=170.1

IDC 18 00:15:10.5:0.9, 24.80N:123.09E, h0km, mb3.9/8, mb1 4.0/9, mb1mx3.7/42, mbtmp3.9/9, ML3.6/1, MS3.2/8, Ms1 3.2/8, ms1mx2.9/37, Error ellipse: s-maj=45.6km s-min=18.6km az=67.0

JMA 18 00:15:12.1:0.7, 24.85N:0.06:123.19E:0.04, h10km, n22, 0.66/21, mb3.9/8, MS3.4/4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, YOJ, Yonaguni jima, 0.41 203 P, Pg, 00 15 20.6 +0.3, YOJ, Yonaguni jima, 0.41 203 P, Pg, 00 15 20.6 +0.3

SOME 18 00:16:12.8, 42.58N:79.62E, h10km

KRNET 18 00:16:12.4:0.1, 42.20N:79.83E, h18km, mb2.6, NNC 18 00:16:12.7:1.5, 42.59N:79.62E, h0km, mb3.1, mpv2.9, Error ellipse: s-maj=10.8km s-min=4.6km az=151.0

ISCJB 18 00:16:13.4:0.8, 42.58N:0.03:79.81E:0.05, h10km, Error ellipse: s-maj=6.5km s-min=3.7km az=38.9

ISC 18 00:16:12.3:1.1, 42.56N:0.04:79.69E:0.04, h10km, n39, 0.12/61, 14C-7D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SHLS, Shalkode, 0.62 344 P, P, 00 16 24.6 -0.8, SHLS, Shalkode, 0.62 344 P, P, 00 16 24.6 -0.8

Main table with columns: SHLS, Shalkode, 0.62 344 eP, Pb, 00 16 33.2 -1.0, SHLS, Shalkode, 0.62 344 eP, Pb, 00 16 33.2 -1.0

IDC 18 00:16:32.4:2.0, 7.72S:130.60E, h0km, mb3.5/1, mb1 3.5/4, mb1mx3.3/28, mbtmp3.3/4, ML3.2:3/9, Error ellipse: s-maj=68.5km s-min=28.4km az=27.0, Tanibar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, FITZ, Fitzroy Crossi, 11.39 205 Pn, Pn, 00 19 16.4 -0.1, FITZ, Fitzroy Crossi, 11.39 205 Pn, Pn, 00 19 16.4 -0.1

Table with columns: WRA, ASAR, Alice Springs, 0.1nm, 0.3s, baz=344, slow=15, SNR=7.2, Sn, Sn, 00 21 49.6 -6.7, WRA, ASAR, Alice Springs, 0.1nm, 0.3s, baz=326, slow=26, SNR=5.9, Pn, Pn, 00 20 21.3 +0.1

ISCJB 18 00:23:16.4:0.8, 24.95N:0.05:123.28E:0.05, h10km, mb3.5/5, Error ellipse: s-maj=7.5km s-min=6.2km az=139.4

IDC 18 00:23:16.1:1.1, 24.84N:123.12E, h0km, mb3.5/5, mb1 3.7/5, mb1mx3.5/32, mbtmp3.5/5, Error ellipse: s-maj=60.0km s-min=21.1km az=69.0

JMA 18 00:23:18.4:0.2, 24.87N:123.30E, h24km, 4km, M2.7, ISC 18 00:23:17.5:1.0, 24.91N:0.07:123.33E:0.05, h10km, n12, 0.52/15, mb3.5/5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, YOJ, Yonaguni jima, 0.53 213 Op, P, 00 23 28.0 +0.2, YOJ, Yonaguni jima, 0.53 213 Op, P, 00 23 28.0 +0.2

MEX 18 00:25:30.7:1.0, 15.99N:98.20W, h6km, 9km, MD3.5, Off coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, PNIG, Pinotepa, 0.41 10 eP, P, 00 25 37.9 -0.8, PNIG, Pinotepa, 0.41 10 eP, P, 00 25 37.9 -0.8

IDC 18 00:35:28.6:1.0, 24.90N:123.22E, h0km, mb3.7/9, mb1 3.9/9, mb1mx3.6/41, mbtmp3.7/9, Error ellipse: s-maj=38.7km s-min=18.4km az=67.0

ISCJB 18 00:35:29.0:0.5, 24.92N:0.04:123.13E:0.05, h10km, mb3.9/9, Error ellipse: s-maj=6.2km s-min=5.1km az=157.0

JMA 18 00:35:30.3:0.1, 24.88N:123.13E, h21km, 3km, M3.0, ISC 18 00:35:29.9:0.7, 24.85N:0.06:123.24E:0.06, h10km, n17, 0.67/21, mb3.6/9, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, YOJ, Yonaguni jima, 0.43 208 Op, P, 00 35 38.9 -0.7, YOJ, Yonaguni jima, 0.43 208 Op, P, 00 35 38.9 -0.7

ISCJB 18 00:37:36.4:0.9, 24.9N:0.1:123.7E:0.2, h10km, mb3.6/8, Error ellipse: s-maj=30.6km s-min=16.8km az=157.1

IDC 18 00:37:36.6:1.0, 24.93N:123.61E, h0km, mb3.7/8, mb1 3.9/8, mb1mx3.6/45, mbtmp3.7/8, Error ellipse: s-maj=37.4km s-min=19.8km az=67.0

ISC 18 00:37:38.1:1.1, 24.9N:0.2:123.6E:0.2, h10km, n8, 0.68/8, mb3.5/8, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, CMAR, Chiang Mai Arr, 23.77 259 Op, P, 00 42 51.2 +0.2, CMAR, Chiang Mai Arr, 23.77 259 Op, P, 00 42 51.2 +0.2

NIED 18 00:38:00, 24.80N:123.10E, h5km, Mw4.7 Best double couple: M=1.14000x10^16 NP1=69.00000, delta2.00000, lambda=125.00000, NP2=287.00000, delta8.00000, lambda=74.00000

ISCJB 18 00:38:02.8:0.2, 24.85N:0.02:123.17E:0.03, h10km, mb4.5/9, MS4.4/1, Error ellipse: s-maj=3.5km s-min=2.9km az=176.0

IDC 18 00:38:02.4:0.6, 24.88N:123.22E, h0km, mb4.3/22, mb1 4.4/22, mb1mx4.3/45, mbtmp4.3/22, Error ellipse: s-maj=20.9km s-min=12.6km az=70.0

MOS 18 00:38:03.5:1.0, 24.83N:123.20E, h19km, mb4.8/34, MS4.3/6, Error ellipse: s-maj=10.3km s-min=6.0km az=107.7

Bul 18 00:38:04, 1:24.67N:123.08E, h18km, mb4.4/49, mb4.9/41, Ms4.7/54, Ms7.4/6/50

JMA 18 00:38:04, 4:0.2, 24.84N:123.12E, h22km, 4km, M4.8, NEIC 18 00:38:05, 1:2.24.91N:123.15E, h18km, 7km, mb4.7/27, Error ellipse: s-maj=5.8km s-min=4.8km az=73.0

ISC 18 00:38:04.0:0.3, 24.83N:123.19E:0.03, h10km, n179, 0.19/197, mb4.6/79, MS4.5/11, 12C-6D, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, YOJ, Yonaguni jima, 0.38 206 eP, P, 00 38 12.9 +1.0, YOJ, Yonaguni jima, 0.38 206 eP, P, 00 38 12.9 +1.0

18d Oh

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like NACB, YHNB, YULB, etc.

2013 APR

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like USA0B, USRUK, CHAI, etc.

1078

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like NRN, NRN, FITZ, etc.

Table with columns: FFC, Flin Flon, 91.83, 24, eP, P, 00 51 10.6, -2.0. Includes stations like Santo Domingo, Puerto Berrio, Barichara, etc.

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

PRE 18 01:00:27.7, 1.1, 27.04S:26:56E, h2km, ML2.7
ISC/JB 18 01:00:30.0, 3.0, 6.26:81S:0:08-26:36E:0.09, h49km, 33km, Error ellipse: s-maj=17.6km s-min=6.1km az=42.6

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

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

18C 18 01:09:48.3, 0.9, 20.75N:122.13E, h0km, mb3.7/8, mb1 3.9/9, mb1mx3.7/44, mbtmpp3.7/9, ML3.7/1, MS3.5/19, MS1 3.5/19, ms1mx3.3/44, Error ellipse: s-maj=29.5km s-min=18.3km az=72.0

ISC/JB 18 01:09:51.5, 0.7, 20.74N:0:10:122.1E:0.2, h33km, mb3.7/8, MS3.5/15, Error ellipse: s-maj=20.2km s-min=13.7km az=176.9

18C 18 01:09:53.5, 1.0, 20.80N:0:1:122.1E:0.2, h35km, n30, o=93/9, mb3.6/8, MS3.5/15, Philippine Islands region

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

Table with columns: ZALV, LR, 01 38 05.6. Includes stations like Kurchatov Arr, Alice Springs, Honiara, etc.

18C 18 01:25:09.7, 1.2, 34.76N:26.11E, h0km, mb3.1/1, mb1 3.5/6, mb1mx3.5, mbtmpp3.5/6, ML3.4/5, Error ellipse: s-maj=27.9km s-min=14.7km az=15.0

ISC/JB 18 01:25:14.5, 0.2, 35.04N:0:02:26.04E:0.02, h39km, 3km, mb3.2/3, Error ellipse: s-maj=3.2km s-min=2.5km az=7.2

18C 18 01:25:16.7, 35.27N:25.96E, h4km, ML3.4/18, HLW 18 01:25:16.8, 34.97N:26.28E, h22km, 16km, Md3.7, M13.8, ATH 18 01:25:17.4, 35.28N:25.93E, h41km, 1km, ML3.2/8, Error ellipse: s-maj=2.2km s-min=0.9km az=171.0

THE 18 01:25:19.2, 35.31N:25.93E, h48km, ML3.1/9, Error ellipse: s-maj=1.9km s-min=0.6km az=172.0

DDA 18 01:25:19.9, 35.42N:24.35E, h25km, 2km, ML3.7, Gll 18 01:25:20.3, 0.1, 34.89N:26:52E, h30km, mb4.0/2, MD3.7/5

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

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

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

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

Table with columns: DALY, 2.81, 19, PN, Pn, 01 25 58.6, +0.4. Includes stations like GZelcam!, Fethiye, etc.

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

18C 18 01:25:15.6, 0.7, 35.05N:0:04:26.06E:0.04, h74km, 6km, n158, o180/212, mb3.1/3, Crete

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSHST Keshot, HMND Nahal Hemdat, YTHR Yatir, etc.

IDC 18:01:35:51.0:33.0,5:305x154.08E,h444km,172km, mb1.3/4,mb1.3/4,5,mb1mx2.9/33,mbtmp4.1/5,Error ellipse: s-maj=389.2km s-min=61.3km az=44.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, WRA Warrungarra Arr, ASAR Alice Springs, etc.

IDC 18:01:39:04.9:1.5,24.75N:123.14E,h0km,mb3.3/4, mb1.3/6/4,mb1mx3.3/4,5,mbtmp3.3/4,MS2.4/1,Ms1.2/4.1, ms1mx2.2/2.0,Error ellipse: s-maj=74.2km s-min=30.2km az=66.0, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRSR Korea Array, SONM Songino Array, WRA Warrungarra Arr, etc.

ISCJB 18:01:39:50.8:1.8,24.90N:0.07:123.22E:0.07, h10km,13km,mb3.4/5,Error ellipse: s-maj=14.5km s-min=6.4km az=41.7

IDC 18:01:39:50.5:1.4,24.90N:123.39E,h0km,mb3.6/5, mb1.3/7.5,mb1mx3.4/4.5,mbtmp3.6/5,Error ellipse: s-maj=71.1km s-min=27.4km az=64.0

JMA 18:01:39:52.3:0.1,24.90N:123.181E,h2okm,5km, M3.2, ISC 18:01:39:52.0:1.9,24.83N:0.08:123.29E:0.06, h12km,12km, n12,c076/17,mb3.5/5, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOJ Yonaguni jima, JYNG Yonagunijimaku, IRIF Iriomote-Funau, etc.

ISCJB 18:01:43:45.5:0.6,52.71N:0.09:31.7W:0.1, h12km, mb3.9/15,Error ellipse: s-maj=13.4km s-min=9.5km az=29.3

IDC 18:01:43:45.8:1.2,52.63N:31.55W,h0km,mb3.6/10, mb1.3/8/12,mb1mx3.6/52,mbtmp3.7/12,ML4.1/2,Error ellipse: s-maj=31.9km s-min=21.3km az=25.0

NEIC 18:01:43:46.7:2.6,52.56N:31.70W,h10km,2km,mb4.4/7, Error ellipse: s-maj=15.6km s-min=4.7km az=107.0

ISC 18:01:43:46.9:0.7,52.57N:0.09:31.67W:0.09, h12km, n34, r104/34,mb3.9/15, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NRS Narsarsuaq, BORG Borganes, ANG6 Ammassalik, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR Eielson Array, ILB Eielson Array, ZAA1 Zalesovo Array, etc.

RSNC 18:01:45:20.7:2.7,4.95N:75.34W,h4km,13km,ML4.0, 4C-1D, Probable volcanic, Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NORC Norcasia, PLMC San Jos del P, ROSC El Rosal, etc.

ISCJB 18:01:50:26.1:0.8,2.01N:0.04:79.37W:0.05, h33km, Error ellipse: s-maj=7.5km s-min=4.2km az=36.9

RSNC 18:01:50:28.3:1.2,2.12N:79.68W, h17km,9km, ML2.9, MW3.1

IGQ 18:01:50:28.9:0.6,2.24N:8.0W:1, h4km, mb5.3, mb3.8, ML4.0, MW3.0

ISC 18:01:50:20.6:1.9,2.06N:0.05:79.98W:0.07, h6km, n11km, n55,c251/67,1C, South of Panama

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTGL Punta Galera, TUMC Tumaco, GTUM2 Tumaco, etc.

COTA CotaCachi, CUIC Cuicocha-Domo, CUSW Cuicocha Oeste, ACOT Cotacachi (Cas), PULU Putulaha, IMGA Imbabura, YAHU Yahualcocha, TALU Talu-Chalpat, YANA Yana, TERV Terraza Guagua, GGF Refugio Guagua, GGPC Guagua Pichina, GCUF Volcan Galeras, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like COTA CotaCachi, CUIC Cuicocha-Domo, CUSW Cuicocha Oeste, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCON Norcasia, ARRY Arrayan, YOTC Yotoco, Valle, etc.

IDC 18:02:21:15.2:1.2,3.15S:142.68E,h0km,mb3.9/7, mb1.4/1.9,mb1mx3.8/3.1,mbtmp3.9/9,ML3.7/2,MS3.1/7, Ms1.3/2.7,ms1mx2.9/34,Error ellipse: s-maj=29.3km s-min=20.3km az=115.0

ISCJB 18:02:21:17.5:0.9,3.24S:0.09:142.70E:0.09, h27km, mb3.8/6,MS3.2/4,Error ellipse: s-maj=14.9km s-min=11.7km az=41.2

ISC 18:02:21:19.7:1.1,3.25S:0.1:142.5E:0.1, h27km, n14, c076/10,mb3.7/6,MS3.2/4,Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAY Jayapura, JAY Jayapura, PMG Port Moresby, GUMO Guam, WRA Warrungarra Arr, etc.

IDC 18:02:26:54.4:2.7,16.00S:174.71W,h0km,mb3.7/5, mb1.4/0.5,mb1mx3.7/26,mbtmp3.7/5,Error ellipse: s-maj=157.9km s-min=24.9km az=148.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warrungarra Arr, ASAR Alice Springs, NVAR Mina Array Bea, etc.

IDC 18:02:44:06.1:1.1,24.91N:123.26E,h0km,mb3.5/5, mb1.3/7.5,mb1mx3.4/59,mbtmp3.5/5,MS2.9/2,Ms1.2/9/2, ms1mx2.4/40,Error ellipse: s-maj=62.9km s-min=21.7km az=71.0

ISCJB 18:02:44:07.0:1.2,24.91N:123.37E:0.04, h17km,11km,mb3.4/5,MS3.3/1,Error ellipse: s-maj=11.8km s-min=6.0km az=172.9

JMA 18:02:44:07.3:0.1,24.90N:123.36E,h26km,4km, M3.1, ISC 18:02:44:06.7:2.3,24.89N:0.09:123.38E:0.05, h8km,15km, n15,c101/20,mb3.5/5, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOJ Yonaguni jima, JYNG Yonagunijimaku, IRIF Iriomote-Funau, etc.

SJA 18:02:45:31.1:0.7,33.60S:71.58W, h33km, ML3.5, MW3.5, ISCJB 18:02:45:32.9:0.4,34.08S:0.04:70.85W:0.07, h92km,9km, Error ellipse: s-maj=10.3km s-min=6.2km az=28.2

GUC 18:02:45:32.9:0.4,34.08S:70.75W, h91km,4km, ML3.9, ISC 18:02:45:34.7:1.4,34.08S:0.05:70.87W:0.06, h75km, n10km, n24,c1975/34,2C-6D, Chile-Antarctica border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ANTU Antumapu, LMEL Las Melosas, LCEL Cerro Canal, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GO05 Huala, AAGR Agrelo, AUSP Usapallata, etc.

ISCJB 18 02:59:58.2-0.4, 22.80N-0.03-94.03E-0.03, h49km-4km, mb4.3/47, MS3.5/11, Error ellipse: s-maj=5.4km

s-min=3.7km az=135.8 IDC 18 02:59:59.9-1.5, 22.77N-94.06E, h50km-14km, mb4.0/26, mb1.4/128, mb1mx3.9/66, mb1mx4.2/28, ML4.2/2, MS3.5/12, Ms1.3/5.12, ms1mx3.3/51, Error ellipse: s-maj=14.6km

s-min=11.5km az=34.0 NEIC 18 03:00:00.5-2.0, 22.80N-94.09E, h55km-3km, mb4.3/31, Error ellipse: s-maj=24.2km s-min=12.5km az=55.0

NDI 18 03:00:01.0-2.2, 23.02N-93.76E, h10km-ML3.4 ISC 18 02:59:59.5-0.9, 22.82N-0.04-94.01E-0.04, h45km-8km, n122.1, s1963/132, mb4.3/47, MS3.4/11, 7C-6D, Myanmar

Main table of station data for the left column, including codes like SAIH, IMP, BRDH, etc.

Main table of station data for the middle column, including codes like NRN, KBL, AAK, etc.

Main table of station data for the right column, including codes like PYM, VERF, CFF, etc.

LDG 18 03:02:17.4-0.0, 45.97N-2.80E, h3km, Md2.3/3, Ml2.5/3/7, Error ellipse: s-maj=0.8km s-min=0.7km az=103.0

STR 18 03:02:17.5-0.4, 46.12N-2.81E, h8km-3km, M1.9/7, Ml1.9/7, Ml1.1/8.5, France

Small table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGO, AYO, etc.



ROSF Rostrenen 4.76 302 ePn Pn 03 03 27.5 -2.0
ROSF 0.6nm,0.2s eSg Sg 03 04 46.2 -4.2

IDC 18 03:10:54.0.0.7,24:87N:123:43E,h0km,mb4.1/1,
mb1 4.2/15,mb1mx4.0/44,mbtmp4.1/15,ML1.9/1,MS3.7/11,
Ms1 3.7/11,ms1mx3.3/47,Error ellipse: s-maj=21.9km
s-min=15.6km az=76.0

JMA 18 03:10:54.9.0.1,24:92N:123:32E,h20km,3km,M3.4
ISJCJB 18 03:10:55.0.7,24:89N:0.04:123:33E:0.03,h22km,6km,
mb4.3/27,MS3.9/9,Error ellipse: s-maj=6.8km
s-min=4.5km az=174.2

NEIC 18 03:10:56.0.2.8,24:84N:123:33E,h18km,4km,mb4.4/18,
Error ellipse: s-maj=11.0km s-min=6.4km az=150.0
ISC 18 03:10:54.9.1.9,24:84N:0.04:123:33E:0.03,h14km,12km,
n69, r162/70,mb4.3/27,MS3.7/9,Southwestern Ryukyu
Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 18 03:13:06.5.0.6,2:65S:138:68E,h0km,mb4.2/10,
mb1 4.2/15,mb1mx4.1/34,mbtmp4.1/15,ML3.8/4,MS3.6/9,
Ms1 3.6/9,ms1mx3.2/40,Error ellipse: s-maj=22.9km
s-min=14.5km az=73.0

ISJCJB 18 03:13:11.8.0.3,2:83S:0.03:138:71E:0.04,h26km,
mb4.5/38,Error ellipse: s-maj=5.6km s-min=4.9km az=1.8
DJA 18 03:13:12.6.0.4,3:7S:7:13:93E, h66km,MA,7.7,
mb4.7/7,mb5.2/4,MLV4.8/5,Mw(MB)4.5/4

NEIC 18 03:13:12.5.1.0,2:79S:138:78E,h51km,10km,mb4.5/31,

Error ellipse: s-maj=9.0km s-min=7.6km az=99.0
ISC 18 03:13:13.3.0.4,2:86S:0.05:138:73E:0.05,h62km,n88,
c249.9/4,mb4.5/38,Irian Jaya

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

VNDA Vanda 75.63 175 P P 03 24 53.5 +2.4
comp-Z,0.7nm,0.8s,baz=333,slow=7.2,SNR=4.2

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

IDC 18 03:24:18.7.4.5,23:66N:123:03E,h0km,mb3.4/4,
mb1 3.6/5,mb1mx3.3/47,mbtmp3.3/45,ML3.1/1,MS3.1/3,
Ms1 3.1/3,ms1mx2.7/35,Error ellipse: s-maj=95.2km
s-min=49.6km az=180.0

ISJCJB 18 03:24:25.1.6.2,24:94N:0.06:123:27E:0.06,h3km,11km,
mb3.2/4,MS3.0/2,Error ellipse: s-maj=12.1km
s-min=5.9km az=33.9

JMA 18 03:24:26.4.0.2,24:92N:123:27E,h29km,M2.5
ISC 18 03:24:25.7.2.2,24:88N:0.07:123:27E:0.06,h3km,17km,
n15, r097/6/19,mb3.2/4,Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various stations like YOJ, YONAGUNI JIMA, YONAGUNIJIMAKU, etc.

IDC 18 03:32:40.3.5.6,57S:154:47E,h0km,mb3.5/3,
mb1 3.7/3,mb1mx3.4/39,mbtmp3.5/3,MS3.1/1,Ms1 3.1/1,
ms1mx2.4/25,Error ellipse: s-maj=130.0km
s-min=37.3km az=118.0,Bougainville-Solomon Islands
region

ISJCJB 18 03:33:26.2.0.6,42:54N:0.03:79:72E:0.04,h10km,Error
ellipse: s-maj=5.2km s-min=2.8km az=136.5
NNC 18 03:33:26.1.1.2,42:59N:79:60E,h0km,mb3.6,mpv3.6,
Error ellipse: s-maj=8.5km s-min=4.1km az=151.0

ISC 18 03:33:25.0.1.1,42:48N:0.04:79:64E:0.04,h10km,n58,
r159/104,23C-17D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various stations like WRA, ASAR, ALICE SPRINGS, etc.

Code	Station Name	Δ°	AZ°	Op	Phase	ID	Time	Res	
							h m s	ISC	
TARG	Taragay, Kyrgyz	1.56	242	↑	Pn	03	33 53.0	-0.2	
TARG	baz=49			↑	Sb	03	34 14.2	0.0	
MNBS	Baschi	1.84	331	P	Pb	03	33 58.0	-0.8	
MNBS	29nm,0.1s				Sb	03	34 21.8	-0.1	
MNBS	173nm,0.3s				Sb	03	33 58.0	-0.8	
MNBS	Baschi	1.84	331	eP	Pb	03	34 21.8	-0.1	
MNBS	29nm,0.1s				eS	03	33 58.0	-0.8	
DJR	Jarkent	1.85	3	P	Pb	03	33 58.1	-1.0	
DJR	49nm,0.2s				S	03	34 22.3	-0.1	
DJR	37nm,0.3s				Sb	03	33 58.1	-1.0	
DJR	Jarkent	1.85	3	↑	Pb	03	34 22.3	-0.1	
DJR	49nm,0.2s				↑	Pb	03	34 22.3	-0.1
KDJ	Kajisay	1.86	260	↑	Pg	03	33 59.6	-1.1	
KDJ	baz=66				↑	Sg	03	34 24.7	-0.1
KOTS	Kotrybulak	2.01	293	Pg	Pb	03	34 01.5	-0.2	
KOTS	15nm,0.2s				Lg	03	34 27.5		
KOTS	93nm,0.4s				Lg	03	34 01.5	-0.2	
KOTS	Kotrybulak	2.01	293	eP	Pb	03	34 01.5	-0.2	
KOTS	15nm,0.2s				eS	03	34 27.5	+0.7	
KOTS	93nm,0.4s				eS	03	34 01.3	-0.7	
MDOK	Medeo	2.03	291	Pn	Pb	03	34 01.3	-0.7	
MDOK	8.3nm,0.6s				↑	Sb	03	34 27.1	-0.3
MDOK	57nm,0.7s				↑	Sb	03	34 01.3	-0.7
MDOK	Medeo	2.03	291	Pg	Pb	03	34 01.3	-0.7	
MDOK	7.9nm,0.3s				Lg	03	34 27.5		
MDOK	51nm,0.6s				eP	03	34 01.3	-0.7	
MDOK	KMedeo	2.03	291	eP	Pb	03	34 01.3	-0.7	
MDOK	7.9nm,0.3s				↑	Sb	03	34 27.5	+0.1
TNSS	Tian-Shan	2.06	287	Pg	Pb	03	34 01.8	-1.0	
TNSS	15nm,0.3s				Lg	03	34 28.8		
TNSS	45nm,0.2s				Lg	03	34 01.8	-1.0	
TNSS	Tian-Shan	2.06	287	eP	Pb	03	34 01.8	-1.0	
TNSS	15nm,0.3s				eS	03	34 28.8	+0.1	
TNSS	45nm,0.2s				eS	03	34 03.7	-0.9	
ARXS	Arharly	2.18	323	Pg	Pb	03	34 03.7	-0.9	
ARXS	15nm,0.4s				Lg	03	34 31.8		
ARXS	122nm,0.4s				Lg	03	34 03.7	-0.9	
ARXS	Arharly	2.18	323	eP	Pb	03	34 03.7	-0.9	
ARXS	15nm,0.4s				eS	03	34 31.8	+0.1	
IZV	Izvestkoviy	2.30	285	Pg	Pb	03	34 06.0	-0.7	
IZV	20nm,0.1s				Lg	03	34 36.0		
IZV	96nm,0.3s				Lg	03	34 06.0	-0.7	
IZV	Izvestkoviy	2.30	285	eP	Pb	03	34 06.0	-0.7	
IZV	20nm,0.1s				eS	03	34 36.0	+0.8	
CHKK	Chushlyak	2.38	306	Pg	Pb	03	34 07.3	-0.6	
CHKK	6.7nm,0.2s				Lg	03	34 38.2		
CHKK	124nm,0.3s				Lg	03	34 07.3	-0.6	
CHKK	Chushlyak	2.38	306	↑	Pb	03	34 38.2	+0.9	
CHKK	6.7nm,0.2s				↑	Sb	03	34 08.6	-0.7
MTBS	Matlube	2.45	286	Pg	Pb	03	34 40.5		
MTBS	9.8nm,0.3s				Lg	03	34 40.5		
MTBS	43nm,0.3s				eP	03	34 08.6	-0.7	
MTBS	Matlube	2.45	286	eP	Pb	03	34 40.5	+0.9	
MTBS	9.8nm,0.3s				eS	03	34 09.0	-0.9	
KTBS	Karotobe	2.50	301	Pg	Pb	03	34 09.0	-0.9	
KTBS	8.9nm,0.2s				Lg	03	34 40.9		
KTBS	84nm,0.3s				Lg	03	34 09.0	-0.9	
KTBS	Karotobe	2.50	301	eP	Pb	03	34 41.0	+0.2	
KTBS	8.9nm,0.2s				eS	03	34 09.4	-1.3	
ULHL	Ulahol	2.53	266	↑	Pb	03	34 41.4	-0.6	
ULHL	baz=70				↑	Sb	03	34 12.5	-1.7
BOOM	Boomsokoye usch	2.74	271	↑	Pb	03	34 47.2	-0.7	
BOOM	baz=75				↑	Sb	03	34 13.8	-0.9
KST	Kastek	2.77	283	Pg	Pb	03	34 49.4		
KST	7.1nm,0.1s				Lg	03	34 13.8	-0.9	
KST	46nm,0.6s				Lg	03	34 49.4	-0.7	
KST	Kastek	2.77	283	↑	Pb	03	34 49.4	-0.7	
KST	7.1nm,0.1s				eS	03	34 14.6	-0.5	
KUU	Kuryt	2.80	301	Pg	Pb	03	34 50.4	+0.9	
KUU	2.6nm,0.1s				Lg	03	34 14.6	-0.5	
KUU	64nm,0.4s				eS	03	34 15.2	-0.2	
KAPS	Kapalarasan	2.81	356	Pg	Pb	03	34 15.2	-0.2	
KAPS	5.5nm,0.2s				Lg	03	34 51.5	+1.6	
KAPS	17nm,0.2s				eS	03	34 13.7	+2.0	
NRN	Naryn	2.91	250	↑	Pn	03	34 50.2	-2.8	
NRN	baz=54				↑	Sb	03	34 17.8	+0.2
DGS	Degeres	2.95	286	Pg	Pb	03	34 17.8	+0.2	
DGS	4.7nm,0.2s				Lg	03	34 55.9		
DGS	86nm,0.6s				Lg	03	34 55.9		
DGS	Degeres	2.95	286	eP	Pb	03	34 55.9	+2.1	
DGS	4.7nm,0.2s				eS	03	34 15.6	-3.3	
TKM2	Tokmak 2	3.02	280	↑	Pn	03	34 56.2	+0.3	
TKM2	3.0nm,0.3s				↑	Sb	03	34 16.4	-2.5
TKM2	26nm,0.6s				↑	Sb	03	34 54.7	-1.2
TKM2	Tokmak 2	3.02	280	↑	Pb	03	34 19.4	+2.5	
TKM2	baz=83				↑	Sb	03	34 19.4	+2.5
KZA	Kyzart	2.29	264	↑	Pb	03	34 59.6	+3.3	
KZA	baz=68				↑	Sb	03	34 22.3	+3.0
KBK	Karagaybulak	3.47	274	↑	Pn	03	34 04.9	-4.1	
KBK	baz=78				↑	Sb	03	34 27.7	-4.7
AAK	Ala-Archa	3.81	274	↑	Pn	03	34 37.6	-0.4	
AAK	0.7nm,0.3s				↑	Pg	03	35 23.0	
AAK	1.5nm,0.4s				Lg	03	34 27.2	+3.3	
AAK	Ala-Archa	3.81	274	↑	Pn	03	35 12.8	+4.0	
AAK	baz=77				↑	Sb	03	34 29.3	+2.7
ARL	Aral	4.00	263	↑	Pg	03	35 16.7	+3.1	
ARL	baz=66				↑	Sb	03	34 35.5	+2.9
AML	Almayashu	4.43	267	↑	Pn	03	34 35.5	+2.9	
AML	baz=70								
AML	4.43	267	↑	Pn	03	34 35.5	+2.9		
AML	baz=70								

Code	Station Name	Δ°	AZ°	Op	Phase	ID	Time	Res	
							h m s	ISC	
AML	baz=70				↑	Sb	03	35 27.5	+3.1
MAKZ	Makanchi	4.64	20	↑	Pn	03	34 37.4	+2.3	
MAKZ	0.9nm,0.2s				↑	Sb	03	35 31.4	+2.4
MAKZ	0.9nm,0.6s				↑	Lg	03	35 47.3	
MAKZ	1.5nm,0.6s				↑	Lg	03	35 47.3	
MK31	Makanchi Array	4.71	23	Pn	Pn	03	34 38.2	+2.1	
MK31	0.9nm,0.3s, baz=209, slow=11, SNR=40				↑	Sb	03	35 32.2	+1.4
MK31	0.3nm,0.2s, baz=203, slow=25, SNR=4.1				↑	Lg	03	35 48.7	
MK31	1.8nm,0.5s				↑	Lg	03	35 48.7	

ISK 18 03:35:42.9, 37.30N, 37.08E, h7km, ML1.7/5  
 DDA 18 03:35:43.3, 37.28N, 37.12E, h11km, 3km, ML2.5  
 ISCJB 18 03:35:44.2, 0.5, 37.30N, 0.04, 37.10E, 0.03, h7km, 5km,  
 Error ellipse: s-maj=6.5km s-min=4.4km az=12.6  
 ISC 18 03:35:43.6, 1.0, 37.29N, 0.04, 37.09E, 0.03, h14km, 7km,  
 n14, c086/22, Turkey

Code	Station Name	Δ°	AZ°	Op	Phase	ID	Time	Res	
							h m s	ISC	
HCB	Kahramanmara	0.15	291	Op	ISC		03	35 47.7	+0.2
HCB	HCB			Op	Pg		03	35 51.2	+1.1
HCB	HCB			Op	Sg		03	35 51.2	+1.1
AYKD	Kaydinkavak	0.26	299	Op	Pb		03	35 49.9	-0.2
AYKD	AYKD			Op	Pb		03	35 53.5	-0.9
AYKD	AYKD			Op	Pb		03	35 53.5	-0.9
KMRS	Kahramanmaras	0.26	325	Op	Pg		03	35 48.5	-0.8
KAMA	Kamaniye	0.35	253	Op	Pb		03	35 52.8	-0.5
KAMA	KAMA			Op	Sb		03	35 56.5	-0.6
KAMA	KAMA			Op	Sb		03	35 56.5	-0.6
GZT	Gaziantep	0.39	80	Op	Pb		03	35 51.1	-0.4
GZT	GZT			Op	Pb		03	35 56.9	-1.3
GZT	GZT			Op	Pb		03	35 56.9	-1.3
KUZU	Kuzuni	0.52	181	Op	Pb		03	35 56.1	-0.5
ANDN	Andirin	0.66	296	Op	Pb		03	35 57.4	+0.5
ANDN	ANDN			Op	Pb		03	35 57.4	+0.5
KOZT	Kozan	1.02	281	Op	Pg		03	36 02.9	-0.5
SAIM	ADANA	1.05	311	Op	Pg		03	36 02.6	-1.3
SAIM	SAIM			Op	Pg		03	36 20.0	+1.4
SAIM	SAIM			Op	Pg		03	36 20.0	+1.4
TAHT	Tahtakopru-Hat	1.16	219	Op	Pg		03	36 05.6	-0.5
AKCD	Akcahad	1.20	33	Op	Pn		03	36 06.9	+0.7
AKCD	AKCD			Op	Pn		03	36 23.9	+1.2
AKCD	AKCD			Op	Pn		03	36 23.9	+1.2
SURC	SANLIURFA SURC	1.29	108	Op	Pg		03	36 08.8	+0.4
SURC	SURC			Op	Pn		03	36 24.7	

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like BSKQ, BFO, ECH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like JAOM, JAOC, HJHC, etc.

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like TYV, TYW, TWG, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IM3 Indian Mountai, FITZ Fitzroy Crossi, WB2 Warramunga Arr, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GNI Garni, PINE Pine Mountain, VSU Vasula, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TOA1 Torodi Ar. Sit, LPAZ La Paz, KMI Kunming, etc.

18d 3h

Table with columns: SRS, Serrai, 0.56 339, P, S, Pg, 03 52 25.3 -0.3, etc. Includes station names like Serrai, Kavala, Thassos island, etc.

NIED 18 03:53:02.43:30N:146:90E, h41km, Mw4.3 Best double
L40, 0.00000... NP2: 57.00000... 8D1.00000... 1.01.00000...

JMA 18 03:53:01.2:0.3, 43:33N:146:89E, h50km, mb4.72, Error
MOS 18 03:53:01.4:1.1, 43:49N:146:87E, h50km, mb4.72, Error

ISCJB 18 03:53:01.8:0.6, 43:46N:146:85E:0.05, h52km, 4km,
mb4.4/65, MS3.6/4, Error ellipse: s-maj=7.7km

IDC 18 03:53:02.5:0.6, 43:48N:146:80E, h40km, 5km, mb3.9/19,
mb1.4/123, mb1mx3.9/51, mbtmp4.1/23, ML3.2/4, MS3.4/5,

SKHL 18 03:53:02.5:0.5, 43:44N:146:78E, h60km, 4km, mb5.1/4
NEIC 18 03:53:03.7:1.6, 43:52N:146:83E, h52km, 2km, mb4.4/36,

ISC 18 03:53:02.7:0.6, 43:49N:146:83E:0.04, h43km, 5km,
h43km: pP-P, n173, e107/187, mb4.4/65, MS3.8/5, 9C-3D,

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists various stations and their parameters.

2013 APR

Main table with columns: KUR, Kuril'sk, 1.89 23c, P/N, Pn, 03 53 33.2 +0.8, etc. Lists stations like Kuril'sk, Ashorobuto, Onbetsu, etc.

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Table with columns: HDA, Harding Lake, 41.82 37, eP, P, 04 00 49.4 +1.5, etc. Lists stations like Harding Lake, Eielson Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for NIE, DPC, VOIR, VYHS, etc.

ISCJB 18 03:55:10.1±0.9, 187.5°±1.169:5E:0.2, h246km, mb3.4/5, Error ellipse: s-maj=24.2km s-min=18.6km az=35.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for DZM, Urewera, WRA, etc.

ISCJB 18 03:56:09.2±0.6, 24.89°N, 0.124:123:12E:0.05, h10km, mb3.9/7, Error ellipse: s-maj=6.8km s-min=5.4km az=169.3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for YOJ, YONG, YJNG, etc.

SAR 18 04:03:23.5±0.3, 44.55°N, 17.57°E, h3km, 2km, ML1.7/4, BEO 18 04:03:23.5±0.4, 44.51°N, 17.55°E, h0km, ML1.5/6, 1C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for MGRS, BLY, DOB, etc.

ISCJB 18 04:11:17.7±2.6, 31.52°N, 140.74°E, h64km, 21km, mb3.4/11,

mb1 3.6/12, mb1mx3.4/39, mbtmp3.7/12, MS2.3/2, Ms1 2.3/2, ms1mx2.2/31, Error ellipse: s-maj=31.8km s-min=18.4km az=89.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for JAOM, JHCJ, JHUJ, etc.

DJA 18 04:13:12.0±1.9, 8.5°S, 15°10'7E±1.1, h10km, M3.8/7, ML3.8/7, South of Jawa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for CISI, SKJI, LEM, etc.

ISCJB 18 04:16:15.7±0.9, 18.98°N, 121.140°E, h0km, mb3.6/6, mb1 3.9/6, mb1mx3.6/39, mbtmp3.6/36, MS3.7/1, Ms1 3.7/1, ms1mx2.7/28, Error ellipse: s-maj=33.7km s-min=22.9km az=68.0

ISCJB 18 04:16:20.4±0.9, 19.22°N, 0.121:121:0E:0.2, h46km, mb3.4/5, MS3.8/1, Error ellipse: s-maj=26.7km s-min=10.8km az=150.6

ISC 18 04:16:22.6±0.9, 19.19°N, 0.121:121:0E:0.2, h46km, m12, c±209/9, mb3.5/6, 1D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for CVP, CMAR, WRA, etc.

NIED 18 04:18:00, 24.90°N, 123.10°E, h5km, Mw4.7 Best double couple: M0.28000±0.16 NP1.98, 0.0000±0.36, 0.0000±0.7, -9.92000±0.28, 0.0000±0.85, 0.0000±0.7, -7.89, 0.0000±0.7

JMA 18 04:18:33.2±0.1, 24.90°N, 123.14°E, h15km, 2km, M3.9, IDC 18 04:18:33.5±0.6, 24.70°N, 122.83°E, h0km, mb4.1/14, mb1 3.7/15, mb1mx4.1/39, mbtmp4.1/15, ML2.5/2, MS3.7/16, Ms1 3.7/16, ms1mx3.5/36, Error ellipse: s-maj=25.7km s-min=13.7km az=72.0

BUI 18 04:18:34.2±2.4, 52°N, 123.14°E, h14km, mb4.4/48, MB4.8/33, Ms4.6/47, Ms7.4/46, ISCJB 18 04:18:34.7±2.4, 52°N, 123.14°E, 0.02:123:02E:0.02, h15km, 4km, mb4.5/74, MS3.9/20, Error ellipse: s-maj=4.0km s-min=3.3km az=9.0

MOS 18 04:18:35.2±1.1, 24.62°N, 122.85°E, h20km, mb4.9/33, Error ellipse: s-maj=11.4km s-min=6.0km az=112.3, NEIC 18 04:18:35.0±1.7, 24.76°N, 122.94°E, h1km, 2km, mb4.6/48, Error ellipse: s-maj=8.7km s-min=5.8km az=52.0

ISC 18 04:18:35.7±1.0, 24.75°N, 0.124:123.11E:0.03, h15km, 6km, n178, c±183/155, mb4.6/74, MS3.9/20, 6C-5D, southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for YOJ, YONG, YJNG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for JTT, TARA, TATO, etc.

ISCJB 18 03:55:10.1±0.9, 187.5°±1.169:5E:0.2, h246km, mb3.4/5, Error ellipse: s-maj=24.2km s-min=18.6km az=35.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for WHN, WHN, WHN, etc.

ISCJB 18 03:56:09.2±0.6, 24.89°N, 0.124:123:12E:0.05, h10km, mb3.9/7, Error ellipse: s-maj=6.8km s-min=5.4km az=169.3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for XAN, XAN, XAN, etc.

ISCJB 18 04:13:12.0±1.9, 8.5°S, 15°10'7E±1.1, h10km, M3.8/7, ML3.8/7, South of Jawa

ISCJB 18 04:16:15.7±0.9, 18.98°N, 121.140°E, h0km, mb3.6/6, mb1 3.9/6, mb1mx3.6/39, mbtmp3.6/36, MS3.7/1, Ms1 3.7/1, ms1mx2.7/28, Error ellipse: s-maj=33.7km s-min=22.9km az=68.0

ISCJB 18 04:16:20.4±0.9, 19.22°N, 0.121:121:0E:0.2, h46km, mb3.4/5, MS3.8/1, Error ellipse: s-maj=26.7km s-min=10.8km az=150.6

ISC 18 04:16:22.6±0.9, 19.19°N, 0.121:121:0E:0.2, h46km, m12, c±209/9, mb3.5/6, 1D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for CN2, CN2, CN2, etc.







18d 5h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

RSNC 18 05:10:32.2±1.1, 0.71N, 78.67W, h0km, ML2.9
IGQ 18 05:10:32.2±0.4, 1.71N, 79.7W, h4km, mb4.0, MLV3.7
ISCJB 18 05:10:33.6±0.4, 0.71N, 0.02x78.69W±0.03, h33km, Error ellipse: s-maj=4.5km s-min=3.2km az=14.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PACI Pacto, Paraso, CUSE Cuicocha Este, etc.

2013 APR

JMA 18 05:14:41.5±0.2, 24.289N, 123.12E, h19km, 3km, M3.5
NEIC 18 05:14:41.5±1.3, 24.287N, 123.16E, h12km, 6km, mb4.3/10, Error ellipse: s-maj=7.3km s-min=5.8km az=102.0
ISCJB 18 05:14:42.2±0.7, 24.284N, 0.04±123.14E±0.03, h26km, 6km, mb4.2/16, MS3.6/8, Error ellipse: s-maj=7.5km

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

1090

MKAR Makanchi Array 63.96 327 P P 05 25 13.8 +1.0
KURBB Kurchatov Arra 68.23 329 P P 05 25 41.0 +0.8

DJA 18 05:19:05.7±2.4, 6°S, 10°W, 14°9'E, h34km, 15km, M5.2/15, mb4.9/15, mb5.5/4, MLV3.1, Mw(mb)5.0/4
ISCJB 18 05:19:06.2±0.6, 24.284N, 0.03±149.23E±0.04, h49km, mb4.7/58, MS4.0/22, Error ellipse: s-maj=6.6km s-min=3.8km az=25.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RABU Rabaul, PMG Port Moresby, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PCJ1, JOW, URZ, RPZ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BCPM, KK31, KKAR, etc.

ISCJB 18 05:30:46.0±0.8, 39.47N, 0.05:74, 98E±0.04, h10km, Error ellipse: s-maj=6.6km s-min=4.5km az=2.7

KRNET 18 05:30:46.1±0.1, 39.64N, 74.87E, mb3.4, NNC 18 05:30:51.6±3.0, 40.00N, 74.71E, h0km, mb3.9, mpv3.6

Error ellipse: s-maj=23.0km s-min=13.3km az=159.0

ISC 18 05:30:43.6±1.3, 39.40N, 74.74E, h0km, n42, e±34.60, 25C-13N, Southern Xinjiang

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YOGI, WJOG, PCJ1, etc.

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

DJA 18 05:33:31.5±0.8, 9°S, 6°E, h10km, M3.5/8, MLV3.5/8, Jawa

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YOGI, WJOG, PCJ1, etc.

IDC 18 05:47:48.2±3.0, 0.53S, 15°11'W, h0km, mb4.1/2, mb1 4.1/3, mb1mx3.6/29, mbtmp4.0/3, ML3.2/1, MS3.8/13, Ms1 3.8/13, ms1mx3.5/31, Error ellipse: s-maj=107.1km s-min=52.4km az=136.0, North of Ascension Island

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H10N2, H10N3, H10N1, etc.

ASAR Alice Springs 142.00 131 PKP PKPdf 06 07 22.9 -0.3
WRA Warrungarra Arr 144.37 127 PKP PKPdf 06 07 26.7 -0.8

IDC 18 05:52:46.6:3.7, 6.40S:149.89E, h0km, mb3.1/2,
mb1 3.6/2, mb1mx3.2/26, mbtmp3.3/2, Error ellipse:
s-maj=133.9km s-min=47.4km az=116.0, New Britain
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include Warrungarra Arr, Alice Springs, and TORO.

NIED 18 06:10:00.25:00N:123.40E, h5km, Mw4.0 Best double
couple: Mo1.17000x:1015 NP1.0p:271.00000, 840.00000,
lambda.00000, NP2.0p:83.00000, 851.00000, lambda.95.00000,
IDC 18 06:10:03.0:0.7, 24.93N:123.49E, h0km, mb3.8/12,
mb1 4.0/12, mb1mx3.8/37, mbtmp3.8/12, MS3.4/1,
Ms1 3.4/11, ms1mx3.1/47, Error ellipse: s-maj=27.9km
s-min=15.8km az=69.0

ISCJB 18 06:10:03.8:1.2, 24.98N:123.41E:0.03, h13km,8km,
mb4.1/22, MS3.5/7, Error ellipse: s-maj=5.3km
s-min=4.0km az=28.0

JMA 18 06:10:03.8:0.2, 24.99N:123.43E, h17km, M3.6
NEIC 18 06:10:07.3:1.4, 25.18N:123.02E, h10km,3km, mb4.3/12,
Error ellipse: s-maj=16.2km s-min=3.9km az=114.0

ISC 18 06:10:03.2:1.5, 24.91N:123.05E:0.03, h2km,10km,
n61, c1941/55, mb4.2/22, MS3.6/7, Southwestern Ryukyu
Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include IRIF, YOJ, YJNG, YKRS, etc.

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

ASAR Alice Springs 152.93 P Pg 06 10 32.4 +0.0
WRA Warrungarra Arr 15.12 193 LR 06 10 52.7

PLAI Waikabubak, Su 2.61 56 P Sg 06 18 21.9 +0.2
WBSI Waikabubak, Su 2.61 56 P Sg 06 17 56.7 +0.1

SRBI Singaraja 3.58 327 P P Pb 06 18 08.0 -0.2
JAGI Jajag, Banyuw 3.98 311 P S Sg 06 18 08.1 +0.5

PCJL Pacitan 6.60 295 P P Pb 06 18 43.3 -0.3
UGM Wanagama 7.30 295 P P Pb 06 18 53.2 -0.2

WRA Warrungarra Arr 18.70 120 S Sg 06 21 23.3 -1.8
0.2mm, 0.3s, baz=290, slow=13, SNR=18

ASAR Alice Springs 20.23 130 P P Pb 06 21 43.4 -0.5
1.3mm, 0.6s, baz=307, slow=11, SNR=14

ASAR Alice Springs 20.23 130 P P Pb 06 21 43.4 -0.5
1.3mm, 0.6s, baz=307, slow=11, SNR=14

TGY Tagaytay City 25.32 9 LR LR 06 34 35.3
comp=Z, 2.1mm, 20.9s, baz=213, slow=4

SOMN Songino Array 59.46 352 P P Pb 06 27 11.8 +2.1
0.8mm, 0.5s, baz=173, slow=7.3, SNR=5

MKAR Makanchi Array 65.55 334 P P Pb 06 27 52.1 +1.8
0.9mm, 0.5s, baz=144, slow=7.1, SNR=13

KURB Kurchatov Arr 70.09 335 P P Pb 06 28 20.3 +1.5
0.7mm, 0.6s, baz=149, slow=5.9, SNR=6.6

ISCJB 18 06:37:12.5:1.4, 24.88N:123.32E:0.05, h9km,10km,
mb3.4/4, MS3.4/1, Error ellipse: s-maj=12.1km
s-min=7.6km az=11.9

JMA 18 06:37:12.5:0.2, 24.92N:123.30E, h17km, M3.2
IDC 18 06:37:12.9:1.3, 24.90N:123.69E, h0km, mb3.4/4,
mb1 3.7/4, mb1mx3.4/44, mbtmp3.4/4, MS3.3/1, Ms1 3.3/1,
ms1mx2.3/31, Error ellipse: s-maj=90.5km s-min=24.9km
az=78.0

ISC 18 06:37:12.9:2.3, 24.80N:123.44E:0.08, h1km,17km,
n12, c0990/17, mb3.4/22, MS3.6/7, Southwestern Ryukyu
Islands

YOJ Yonaguni jima 0.52 230 Op ISG 06 37 22.7 -0.1
YOJ Yonaguni jima 0.52 230 Op ISG 06 37 22.7 -0.1

IRIF Iriomote-Funau 0.53 150 P Sg 06 37 25.9 +0.9
YJNG Yonagunijimaku 0.57 233 P Sg 06 37 25.9 +0.9

YKRS Kuro-shima 0.76 137 P Sg 06 37 29.9 -0.8
YKRS Kuro-shima 0.76 137 P Sg 06 37 29.9 -0.8

JJI Ishigaki jima 0.77 124 P P Pb 06 37 42.4 +0.3
HATJ Hateruma jima 0.81 156 P P Pb 06 37 42.4 +0.3

ISG Ishigakijimahi 0.82 105 P P Pb 06 37 29.7 -1.8
JTJ Tarama 1.16 98 P P Pb 06 37 36.5 +0.4

SOMN Songino Array 26.66 334 Op ISG 06 42 54.0 +0.7
0.5mm, 0.5s, baz=346, slow=8.7, SNR=3.9

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

ASAR Alice Springs 49.23 167 P P Pb 06 46 04.5 +1.4
0.1mm, 0.4s, baz=338, slow=7.0, SNR=6.1

BUAI Buenos Aires 1.46 1 i P Pn 06 43 23.3 -1.8
EDBA Buenos Aires 2.06 97 e P Pn 06 43 31.9 -1.4

CONN Concepcion 2.16 353 e P Pn 06 43 34.4 -0.3
ESP Las Esperanzas 2.96 20 e P Pn 06 43 45.2 -0.4

COPN Copalpete 3.02 336 e P Pn 06 43 45.4 -1.1
MATN Matagalpa 3.55 351 e P Pn 06 43 53.1 -0.1

ESTN Estel 3.81 345 e P Pn 06 43 56.6 -0.8
RCOM San Juan de Ri 4.13 349 e P Pn 06 44 02.0 +0.1

CSGN Cosiguina 4.16 329 e P Pn 06 44 03.4 +1.2
APG El Apazote 7.48 319 Pn Pn 06 44 49.0 +0.9

ATAH Atahuasi 17.83 157 LR LR 06 52 49.2
comp=Z, 1.06mm, 19.6s, baz=338, slow=31

TXAR Lajitas Array 26.23 322 P P 06 48 34.8 +0.9
0.5mm, 0.9s, baz=122, slow=8.6, SNR=3.7

NVA Yonaguni Array Be 41.34 320 P P 06 50 47.3 +2.2
0.3mm, 0.5s, baz=128, slow=7.1, SNR=3.4

YKAR Yellowknife Arr 57.08 344 P P 06 50 41.6 -3.2
0.2mm, 0.8s, baz=134, slow=7.8, SNR=3.9

YKA Yellowknife Arr 57.08 344 P P 06 50 41.6 -3.2
0.2mm, 0.8s, baz=134, slow=7.8, SNR=3.9

KRSC 18 06:43:42.3:1.0, 55.56N:160.99E, h147km,10km, ML3.6,
Kamchatka Peninsula

BZGR Bezymnyani-Gr 0.42 337 Op ISG 06 44 04.5 +1.5
BZGR Bezymnyani-Gr 0.42 337 Op ISG 06 44 04.5 +1.5

TUMD Tumrok D 0.49 224 e S S 06 44 20.7 +1.9
TUMD Tumrok D 0.49 224 e S S 06 44 20.7 +1.9

LGNR Loginova 0.55 342 e S S 06 44 19.7 +1.0
SUDR Tumrok 0.55 241 e S S 06 44 05.2 +1.3

CIRR Tsirik 0.58 347 e S S 06 44 21.2 +1.3
CIRR Tsirik 0.58 347 e S S 06 44 21.2 +1.3

KZV Kizimen 0.60 222 e S S 06 44 05.1 +0.7
KZV Kizimen 0.60 222 e S S 06 44 05.1 +0.7

KLY Klyuchi 0.78 346 e S S 06 44 22.8 +0.5
KLY Klyuchi 0.78 346 e S S 06 44 22.8 +0.5

KOZ Kozayrevsk 0.81 309 e P Pn 06 44 05.2 +1.2
BDR Baidaryna 1.02 7 e P Pn 06 44 08.0 +2.2

BDR Baidaryna 1.02 7 e P Pn 06 44 08.0 +2.2
BDR Baidaryna 1.02 7 e P Pn 06 44 08.0 +2.2

SMKR Semkarok 1.06 14 e S S 06 44 26.7 +0.8
SMKR Semkarok 1.06 14 e S S 06 44 26.7 +0.8

MKZ Mys Kozlova 1.09 157 e S S 06 44 08.8 +1.3
MKZ Mys Kozlova 1.09 157 e S S 06 44 08.8 +1.3

SRKR Sorokina 1.10 5 e S S 06 44 28.1 +1.4
SRKR Sorokina 1.10 5 e S S 06 44 28.1 +1.4

SRKR Krutoberegovo 1.19 53 e S S 06 44 28.1 +0.9
KBR Krutoberegovo 1.22 57 e S S 06 44 10.4 +1.7

KBTR Krutoberegovo 1.22 57 e S S 06 44 10.4 +1.7
KBTR Krutoberegovo 1.22 57 e S S 06 44 10.4 +1.7

SPN Mys Shipunski 2.53 193 e P Pn 06 44 23.5 0.0
NLC Nalytchovo 2.58 203 e P Pn 06 44 24.9 +0.8

KRY Ark 2.59 213 e P Pn 06 44 26.6 +2.1
KRY Ark 2.59 213 e P Pn 06 44 26.6 +2.1

KRER Koryakskiy 2.61 211 e P Pn 06 44 27.4 +2.6
SMAR Somma 2.63 210 e P Pn 06 44 27.1 +2.1

AVH Avacha 2.65 211 e P Pn 06 44 27.3 +2.2
UGLR Ugiylova 2.67 209 e P Pn 06 44 27.4 +2.0

DALK Dalny 2.85 208 e P Pn 06 44 28.9 +1.4
BKI Bering 2.87 95 e S S 06 44 29.3 +2.2

BKI Bering 2.87 95 e S S 06 44 29.3 +2.2
PET Petropavlovsk 2.88 209 e S S 06 45 04.0 +1.2

KRMR Karymskiy 3.21 213 e P Pn 06 44 33.5 +1.4
MTVR Mutnovka 3.25 209 e P Pn 06 44 37.6 +1.6

ASAK Asacha 3.67 211 e P Pn 06 44 39.7 +1.6
ASAK Asacha 3.67 211 e P Pn 06 44 39.7 +1.6

GUC 18 06:48:16.6:0.4, 30.28S:72.21W, h39km,3km, ML2.6
SJA 18 06:48:17.2:0.8, 30.31S:72.59W, h35km,155km, ML3.8

ISC 18 06:48:19.0:2.8, 30.20S:08.72E:0.12, h35km, n16,
c245/19, 1C, Off coast of central Chile

GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3
GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3

GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3
GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3

GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3
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GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3
GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3

GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3
GO04 Tololo Observa 1.46 89 Op ISG 06 48 39.7 -3.3







KWHZ	Kaweka Forest	7.66 204	P	S	07 49 05.2	-0.8
CKHZ	Cape Kidnapper	7.67 200	P	Pn	07 49 00.4	+2.0
CKHZ	Cape Kidnapper	7.67 200	P	Pn	07 50 24.3	-2.8
KWVZ	Karewarewa	7.67 209	P	Pn	07 49 04.1	+1.8
TRVZ	Tongariro	7.71 209	P	Pn	07 48 58.3	-0.7
TAUW	Taurewa	7.73 210	P	Pn	07 48 59.7	+0.3
TUVZ	Tukino	7.81 208	P	Pn	07 48 59.3	-1.1
FWVZ	Far West T-bar	7.84 209	P	Pn	07 48 59.1	-1.8
BHZZ	Black Hill Sta	7.84 206	P	Pn	07 48 58.4	-2.3
BHZZ	Black Hill Sta	7.84 206	P	Pn	07 50 29.4	-1.8
KAHZ	Kahurangi	7.85 201	P	Pn	07 48 59.6	-1.2
KAHZ	Kahurangi	7.85 201	P	Pn	07 50 28.7	-0.5
WHVZ	Whangape Hut	7.85 209	P	Pn	07 49 01.8	+0.9
DRZ	Dome Shelter	7.85 209	P	Pn	07 49 02.7	+1.6
KRHZ	Kereru	7.87 204	P	Pn	07 48 59.2	-1.8
KRHZ	Kereru	7.87 204	P	Pn	07 50 30.0	-1.7
TRVZ	Turoa	7.87 207	P	Pn	07 49 01.7	+0.7
MOVZ	Mosawhango	7.89 207	P	Pn	07 48 59.7	-2.4
PKVZ	Pokaka	7.96 210	P	Pn	07 49 01.9	-0.2
MTVZ	Mangateitei	7.99 209	P	Pn	07 49 02.2	-0.2
PKXZ	Pawanui	8.07 200	P	Pn	07 49 01.5	-1.9
PKXZ	Pawanui	8.07 200	P	Pn	07 50 30.0	-6.2
VRZ	Vera Road	8.08 213	P	Pn	07 49 05.6	+2.1
PNHZ	Pukenui	8.17 204	P	Pn	07 49 02.5	-2.2
PNHZ	Pukenui	8.17 204	P	Pn	07 50 34.7	-3.9
WPHZ	Waipukurau	8.23 202	P	Pn	07 50 33.1	-6.7
PHRZ	Porangahau	8.36 200	P	Pn	07 50 34.6	-8.0
TSZ	Takapari Road	8.39 204	P	Pn	07 49 04.3	-2.5
TSZ	Takapari Road	8.39 204	P	Pn	07 50 38.0	-5.1
DVHZ	Dannevirke	8.53 203	P	Pn	07 50 40.1	-6.5
ANWZ	Angora Road	8.58 201	P	Pn	07 50 43.2	-4.5
POWZ	Post Office Ro	8.75 204	P	Pn	07 50 43.9	-7.6
PRWZ	Porirua	8.83 203	P	Pn	07 50 46.0	-7.2
PRWZ	Porirua	8.83 203	P	Pn	07 50 59.7	-9.2
MRZ	Mangatainoka R	9.05 204	P	Pn	07 50 48.0	-4.4
TIWZ	Tintock	9.05 203	P	Pn	07 50 52.7	-5.7
HOWZ	Holdsworth Sta	9.29 204	P	Pn	07 50 52.8	-1.1
TMWZ	Te Maipa	9.35 202	P	Pn	07 50 58.0	-7.2
KIWI	Kapiti Island	9.47 206	P	Pn	07 50 58.0	-10
MTW	Mount Morrison	9.59 209	P	Pn	07 50 59.7	-9.2
CAW	Cannon Point	9.63 205	P	Pn	07 51 02.2	-9.2
RPZ	Rata Peaks	13.43 211	P	Pn	07 50 05.2	-3.4
RPZ	7.6m,0.3s,baz=48,slow=2.2,SNR=31			S	07 52 22.4	-1.4
DZM	Mont Dzumac	16.18 306	P	P	07 50 33.2	-6.0
STKA	Stephens Creek	32.77 260	P	P	07 53 10.7	-4.0
CTA	Charters Tower	32.90 264	P	P	07 53 10.0	-5.9
ASAR	Alice Springs	41.72 320	P	P	07 54 22.9	-6.7
WRA	Warramunga Arr	42.90 275	P	P	07 54 32.0	-7.0
SNAZ	Sanae	76.11 179	P	P	07 58 23.3	-0.5
VNA3	Neumayer Olymp	76.32 177	P	P	07 58 20.4	-0.2
VNA2	Neumayer-Watz	76.74 177	P	P	07 58 27.0	-0.2
VNA1	Neumayer-Stat	76.98 177	P	P	07 58 28.7	+0.3
PLCA	Paso Flores	82.06 133	P	P	07 58 58.9	+2.5
NVAR	Mina Araya Be	90.66	P	P	07 59 36.7	-1.3
YKA	Yellowknife Ar	107.89 26	PKIKP	08 05 55.6	-4.4	
ARCES	ARCESS Array B	140.31 347	PKHP	08 05 54.3		
FINES	FINESS Array B	146.60 338	PKPbc	08 06 09.6	-3.0	
NB2	NORSAR Subarray150.57 349		PKPpdf	08 06 19.9	+0.8	
NOA	NORSAR Array B	150.57 349	PKPbc	08 06 20.2	+1.1	
AKASG	Malin Array Be	152.07 319	PKPbc	08 06 23.1	+1.6	
BRTR	Reskin Array B	146.05 314	PKPbc	08 06 23.7	+1.1	
TORD	Torodi Ar. Bea	160.72 184	PKPbc	08 07 16.5	-0.8	
ISCJB	18 07:47:24.3,0.8,19.1S,0.1:1.77:7W,0.1, h570km, mb3.6/6, Error ellipse: s-maj=19.6km s-min=15.3km az=164.0					
ISC	18 07:47:28.6,2.8,19.08S,17.7:71W, h605km, 33km, mb3.1/6, mb1 3.4/6, mb1mx3.0/34, mbtmp4.0/6, Error ellipse: s-maj=30.2km s-min=14.3km az=160.0					
ISC	18 07:47:25.2,0.8,19.0S,0.2:1.77:7W,0.1, h570km, n14, az=144.3					

Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s ISC
KSR5	Korea Array	13.14 16	Op	ISC	08 07 12.7
KLR	Kul'dur	25.19 13	P	Pb	08 04 13.1 -0.2
SOMN	Songino Array	26.56 334	P	P	08 04 26.0 +0.1
WRA	Warramunga Arr	45.81 166	P	P	08 07 09.8 -0.1
YKA	Yellowknife Ar	81.57 23	P	P	08 11 05.0 +0.2
JMA	18 08:01:01.0:1.0, 2.47:31N:123:35E, h21km, 3km, M3.0, Southwestern Ryukyu Islands				
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s ISC
YOJ	Yonaguni jima	0.40 231	Op	ISC	08 01 09.5 -0.2
JYNG	Yonagunijimaku	0.45 235	P	Pb	08 01 10.5 -0.1
IRIF	Iriomote-Funau	0.51 137	P	Pb	08 01 11.6 -0.2
JKRS	Kuro-shima	0.76 128	P	Pb	08 01 18.1 -0.6
HATJ	Hateruma jima	0.77 147	P	Pb	08 01 15.9 -0.2
HATJ	Hateruma jima	0.77 147	eS	Sb	08 01 16.0 -0.2
HATJ	Hateruma jima	0.80 115	P	Pb	08 01 26.7 +0.5
HATJ	Hateruma jima	0.80 115	P	Pb	08 01 16.4 -0.3
HATJ	Hateruma jima	0.80 115	P	Pb	08 01 26.4 -0.7
TAP	18 08:01:04.4, 24:40N:121:41E, h4km, ML1.5, 2C, B, Taiwan				
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s ISC
NNSB	Datong	0.04 319	Op	Pg	08 01 05.3 -0.3
NNSB	Datong	0.04 319	Op	Pg	08 01 05.1 -0.3
NNS	Nan Shan	0.05 320	Op	Pg	08 01 06.4 -0.3
NNS	Nan Shan	0.05 320	Op	Pg	08 01 06.5 -0.3
ETLH	Xiulin Townshi	0.20 161	eP	Pg	08 01 08.5 +0.2
ETLH	Xiulin Townshi	0.20 161	eS	Pg	08 01 11.2 +0.2
YHNB	Yeheng	0.27 353	P	Pg	08 01 09.8 +0.2
YHNB	Yeheng	0.27 353	P	Pg	08 01 13.4 +0.2
ENTT	Nioudou	0.28 30	eP	Pg	08 01 09.5 -0.3
NACB	Ninganchiao	0.28 143	eP	Pg	08 01 09.8 -0.0
NACB	Ninganchiao	0.28 143	S	Pg	08 01 13.8 +0.3
WHF	Hehuan Shan	0.29 208	eP	Pg	08 01 10.2 +0.2
CHGB	Renai	0.40 213	eP	Pg	08 01 12.0 -0.1
ISK	18 08:11:08.0, 37:36N:28:19E, h9km, ML2.3/1, Suspected Mining explosion.				
ISCJB	18 08:11:0.0, 0.0, 37:25N:0.0:0.48:28E, 0.03, h0km, Error ellipse: s-maj=6.1km s-min=3.7km az=2.0				
DDA	18 08:11:1.0, 0.0, 37:23N:28:20E, h7km, 9km, ML2.5				
ISC	18 08:11:08.1, 0.9, 37:31N:0.0:0.48:28E, 0.03, h0km, n17, az=73/25, Turkey				
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s ISC
AYDN	Tasoluk	0.46 319	iP	Sb	08 11 21.9 -0.2
AYDN	Tasoluk	0.46 319	iP	Sb	08 11 28.9 +2.3
AYDN	Tasoluk	0.46 319	iP	Sb	08 11 21.9 -0.2
TURN	Turunc	0.52 148	PG	Pb	08 11 19.7 -0.3
TURN	Turunc	0.52 148	iP	Sb	08 11 20.8 +0.7
TURN	Turunc	0.52 148	iP	Sb	08 11 26.8 -1.2
TAVA	DENIZLI Tavas	0.54 73	iP	Pn	08 11 23.3 +0.1
TAVA	DENIZLI Tavas	0.54 73	iP	Pn	08 11 32.2 -0.9
DALY	Dalyan (Mula)	0.58 147	PG	Pb	08 11 21.2 -0.0
DALY	Dalyan (Mula)	0.58 147	PG	Pb	08 11 30.8 +0.8
DALY	Dalyan (Mula)	0.58 147	iP	Pn	08 11 23.3 -0.4
DALY	Dalyan (Mula)	0.58 147	iP	Pn	08 11 33.9 -0.0
BDRM	Kayabasi	0.69 250	iP	Pb	08 11 23.3 +0.2
BDRM	Kayabasi	0.69 250	iP	Pb	08 11 33.4 +0.1
AYDB	Zeytinokoy-Aydi	0.70 335	PG	Pg	08 11 20.8 -0.8
DAT	Datca	0.80 223	PG	Pg	08 11 23.9 +0.5
DAT	Datca	0.80 223	SG	Sb	08 11 35.4 -0.9
DAT	Datca	0.80 223	iP	Sb	08 11 39.3 -0.1
BODT	Bodrum	0.80 252	PG	Pg	08 11 23.1 -0.3
GCDT	Gediz	0.80 252	PG	Pg	08 11 34.9 -0.3
GCAM	G7zelcamli?	0.90 296	PG	Pg	08 11 24.7 -0.8
FETG	Fethiye	0.94 135	PG	Pg	08 11 28.8 +0.1
ARY	Arkhangelos	1.10 186	Pn	Pb	08 11 29.9 -0.1
ELL	Elliali	1.43 113	Pn	Pg	08 11 35.7 +0.1
AKAS	Kas	1.52 134	Pn	Pg	08 11 36.9 +0.1
KORT	Korkulu	1.70 100	Pn	Pb	08 11 39.8 +0.6
ISC	18 08:18:32.2, 0.9, 25:02N:123:51E, h0km, mb3.7/8, mb1 3.8/8, mb1mx3.6/46, mbtmp3.7/8, MS3.9/4, Ms1 3.9/4, ms1mx2.3/38, Error ellipse: s-maj=39.8km s-min=18.2km az=68.0				
JMA	18 08:18:33.0, 0.2, 25:00N:123:40E, h24km, M3.1				
NEIC	18 08:18:33.2, 0.4, 24:94N:123:28E, h10km, mb4.4/12, Error ellipse: s-maj=8.1km s-min=6.3km az=127.0				
ISCJB	18 08:18:34.2, 0.8, 24:91N:0.05:123:37E, 0.03, h31km, 6km, mb4.0/20, MS4.0/4, Error ellipse: s-maj=8.0km				
ISC	18 08:18:33.9, 1.6, 24:92N:0.06:123:38E, 0.03, h17km, 10km, n51, az=128/53, mb4.2/20, MS3.9/4, Southwestern Ryukyu Islands				
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s ISC
YOJ	Yonaguni jima	0.56 217	eP	Sb	08 18 45.8 +0.5
YOJ	Yonaguni jima	0.56 217	eP	Sb	08 18 45.1 +0.4
YOJ	Yonaguni jima	0.56 217	eP	Sb	08 18 54.0 +1.0
JYNG	Yonagunijimaku	0.61 221	P	Pb	08 18 46.1 +0.2
IRIF	Iriomote-Funau	0.66 151	P	Pb	08 18 46.8 -0.1
IRIF	Iriomote-Funau	0.69 128	P	Pb	08 18 56.8 +1.0
JUJ	Ishigaki jima	0.89 128	P	Pb	08 18 49.8 +1.0
JUJ	Ishigaki jima	0.89 140	P	Pb	08 19 00.3 -2.0
JKRS	Kuro-shima	0.89 140	P	Pb	08 18 50.5 -0.3
JKRS	Kuro-shima	0.89 140	eS	Pb	08 19 02.8 -0.0
JISG	Ishigakijimahi	0.91 111	P	Pb	08 18 50.1 -1.1
HATJ	Hateruma jima	0.94 156	P	Pb	08 19 12.4 -0.5
HATJ	Hateruma jima	0.94 156	eS	Pb	08 19 04.8 +0.3
HATJ	Hateruma jima	1.23 103	eS	Pb	08 19 11.6 -0.7
TATO	Taipei	1.72 272	ePn	Pn	08 19 02.5 -0.5
NACB	Ninganchiao	1.79 246	ePn	Pn	08 19 01.5 -2.4
YHNB	Yeheng	1.84 263	ePn	Pn	08 19 04.2 -0.6
YULB	Yuli	2.43 232	ePn	Pn	08 19 12.4 -0.5
SSLB	Sunglung	2.48 244	ePn	Pn	08 19 12.2 -1.4
TWG	Pinlang	2.97 226	ePn	Pn	08 19 19.4 -0.9
TPUB	Ta-pu	2.98 238	ePn	Pn	08 19 20.8 +0.3
JOW	Kunigami	4.80 66	ePn	Pn	08 19 47.3 +1.8
KS01	Wunju Array Si	13.12 16	ePn	Pn	08 21 32.8 -0.4
PKBT	Sadao Pong	22.52 233	P	P	08 23 22.1 +0.0
ERM	Ermo	23.64 39	eP	P	08 23 44.3 +0.1
SOMNO	Songino Array	26.53 334	eP	P	08 21 15.5 +0.7

SOMN	Songino Array	26.53 334	P	P	08 24 11.5 +0.7
PETK	Petrovlovsk	38.15 33	P	P	08 25 51.9 -0.2
PETK	Petrovlovsk	38.15 33	P	P	08 25 51.1 +3.0
PEA1	Petrovlovsk	38.15 33	eP	P	08 25 51.9 -0.2
MK01	Makanchi Array	39.22 314	eP	P	08 26 01.6 +0.3
MK31	Makanchi Array	39.23 314	eP	P	08 26 00.1 -1.2
MK32	Makanchi Array	39.23 314	eP	P	08 26 02.9 +1.5
MKAR	Makanchi Array	39.23 314	eP	P	08 26 02.9 +1.5
ZALV	Zalesovo Beam	40.74 326	eP	P	08 26 13.6 -0.2
ZALV	Zalesovo Beam	40.74 326	eP	P	08 26 09.2 -4.6
ZAA1	Zalesovo Array	40.75 326	eP	P	08 26 13.6 -0.2
PMG	Port Moresby	41.25 143	LR	LR	08 43 32.8
KURBB	Kurchatov Arr	42.86 319	eP	P	08 26 32.0 +0.9
WRAB	Tennant Creek	45.84 166	eP	P	08 26 55.9 +0.7
WR1	Warramunga Arr	45.85 166	eP	P	08 26 56.2 +1.0
WRA	Warramunga Arr	45.85 166	eP	P	08 26 56.2 +1.0
WRA	Warramunga Arr	45.85 166	eP	P	08 46 14.0
WB2	Warramunga Arr	45.85 166	eP	P	08 26 56.2 +0.9
WC3	Warramunga Arr	45.87 166	eP	P	08 26 56.5 +1.1
MBWA</					

18d 8h

XAN	comp=N,1j,11.3s	LR	LR						
XAN	comp=E,2j,13.2s	LR	LR						
XAN	comp=Z,1j,12.9s	LR	LR						
JHJ	Hachijo jima 2	16.55 56 LR	LR	08 29 40.3					
JHJ2	Mitsune 566nm,1.5s	16.57 57 ePn	Pn	08 23 43.6 -1.9					
MAJO	Matsushiro	17.25 44 ePn	P	08 23 57.2 +1.6					
MAJO	Matsushiro	17.25 44 iP	P	08 23 54.9 -0.7					
MJB9	Matsu-Tunnel 18nm,1.5s	17.25 44 ePn	P	08 23 55.8 +0.2					
MJAR	Matsushiro Arr 0.1nm,0.3s,baz=98,slow=38,SNR=3.2	17.26 44 P	P	08 23 57.2 +1.6					
MJAR	comp=Z,344nm,19.8s,baz=230,slow=38	17.83 173 LR	LR	08 30 45.5					
DAV	Davao City (W) 2.214nm,20.2s,baz=255,slow=36	18.23 263 LR	LR	08 30 42.6					
SLVN	Son La 2.5s,baz=346,slow=36	18.23 263 ePn	P	08 24 09.8 +3.3					
CD2	Chengdu 5.0nm,1.0s	18.32 294 P	P	08 24 08.9 +1.4					
CD2	comp=Z,40nm,0.6s	S	S	08 27 32.6 -4.1					
CD2	comp=Z,230nm,5.6s	Pmax	Pmax						
CD2	comp=N,3j,9.5s	LR	LR						
CD2	comp=E,3j,10.7s	LR	LR						
CD2	comp=Z,2j,11.3s	LR	LR						
KMI	Kunming 18.68 275 P	Pn	Pn	08 24 13.9 +1.8					
KMI	comp=Z,24nm,0.5s	pP	pP	08 24 21.6 +3.9					
KMI	comp=Z,150nm,3.6s	sP	sP	08 24 24.3 +7.2					
KMI	comp=N,1j,7.8s	S	S	08 27 32.6 -8.4					
KMI	comp=E,880nm,11.5s	Pmax	Pmax						
KMI	comp=N,1j,7.8s	LR	LR						
KMI	comp=E,880nm,11.5s	LR	LR						
KMI	comp=Z,880nm,9.8s	LR	LR						
HHC	Hu-ho-hao-te 18.73 331 eP	Pn	Pn	08 24 14.6 +2.2					
HHC	comp=Z,40nm,1.0s	sP	sP	08 24 28.0 +1.0					
HHC	comp=Z,210nm,4.2s	S	S	08 27 38.3 -3.4					
HHC	comp=N,1j,11.0s	Pmax	Pmax	08 27 57.3 -4.0					
HHC	comp=E,670nm,10.2s	LR	LR						
HHC	comp=Z,2j,11.7s	LR	LR						
MSHR	Mya Shultsa 18.80 18 iP	Pn	Pn	08 24 12.4 -0.7					
CN2	Changchun 18.96 5 eP	Pn	Pn	08 24 17.8 +2.7					
CN2	comp=Z,10.0nm,1.0s	eS	eS	08 27 45.9 -1.2					
CN2	comp=Z,1100nm,3.0s	Pmax	Pmax						
CN2	comp=N,3j,13.0s	LR	LR						
CN2	comp=E,1j,13.0s	LR	LR						
CN2	comp=Z,3j,14.0s	LR	LR						
DLV	T Lat 25nm,1.3s	19.06 230 eP	Pn	08 24 14.9 -1.7					
SKNT	Sakoinakorn 19.71 250 P	P	P	08 24 31.6 +7.4					
KKM	Kota Kinabalu 28nm,1.2s	19.93 201 eP	Pn	08 24 27.6 -0.6					
NONG	Nongkai 19.97 254 P	Pn	Pn	08 24 33.1 +5.8					
LZH	Lanzhou 20.15 308 eP	Pn	Pn	08 24 29.6 +0.1					
LZH	comp=Z,37nm,1.1s	pP	pP	08 24 39.1 +5.2					
LZH	comp=Z,220nm,4.9s	sP	sP	08 24 44.4 +1.1					
LZH	comp=N,1j,12.5s	PP	Pn	08 24 50.4 +6.4					
LZH	comp=E,2j,13.0s	sS	sS	08 28 24.5 +5.1					
LZH	comp=Z,1j,15.9s	SS	SS	08 28 38.6 +7.9					
LZH	comp=Z,133nm,21.1s,baz=298,slow=32	Pmax	Pmax						
LZH	comp=Z,220nm,4.9s	LR	LR						
LZH	comp=N,1j,12.5s	LR	LR						
LZH	comp=E,2j,13.0s	LR	LR						
LZH	comp=Z,2j,14.6s	LR	LR						
MDJ	Mudanjiang 20.34 13 P	Pn	Pn	08 24 32.8 +1.3					
MDJ	comp=Z,110nm,3.6s	S	S	08 28 20.9 +0.5					
MDJ	comp=N,4j,11.4s	SS	SS	08 28 38.6 +3.4					
MDJ	comp=Z,13nm,1.1s	Pmax	Pmax						
MDJ	comp=Z,110nm,3.6s	LR	LR						
MDJ	comp=N,4j,11.4s	LR	LR						
MDJ	comp=E,2j,8.5s	LR	LR						
MDJ	comp=Z,4j,10.7s	LR	LR						
MDJ	Mudanjiang 20.34 13 eP	Pn	Pn	08 24 30.3 -1.2					
USRK	Ussuriysk Ar. 20.53 18 P	Pn	Pn	08 24 32.7 -0.9					
CHAI	Chaiyaphum 21.90 250 P	P	P	08 24 49.9 +3.5					
PBKT	Sadao Pong 22.48 253 eP	P	P	08 24 55.3 +2.7					
PBKT	Sadao Pong 22.48 253 P	P	P	08 24 56.9 +4.3					
SRAK	Srakaw 22.78 246 P	P	P	08 24 54.7 -1.1					
GUMO	Guam 23.17 115 P	P	P	08 25 00.8 +0.9					
GUMO	comp=Z,2.0nm,0.5s,baz=60,slow=9.4,SNR=11	LR	LR	08 32 08.1					
CMMT	Chiang Mai 23.42 260 P	P	P	08 25 05.5 +3.1					
CHTO	Chiang Mai 23.42 260 eP	P	P	08 25 03.5 +1.0					
CHTO	Chiang Mai 23.42 260 eP	Pmax	Pmax	08 25 03.5 +1.0					
CHTO	comp=Z,5.0nm,0.9s	P	P	08 25 05.6 +3.1					
CM01	Chiang Mai Arr 23.54 259 P	P	P	08 25 06.9 +3.2					
CM31	Chiang Mai Arr 23.54 259 eP	P	P	08 25 03.9 +0.2					
CMAR	Chiang Mai Arr 23.54 259 P	P	P	08 25 04.0 +0.4					
CMAR	comp=Z,2.0nm,0.5s,baz=60,slow=9.4,SNR=11	LR	LR	08 35 04.7					
TNTI	Ternate 23.54 259 eP	P	P	08 25 12.5 +2.1					
TNTI	Ternate 24.27 170 P	P	P	08 25 12.2 +1.7					
MRSI	Marisa 24.29 183 P	P	P	08 25 12.9 +2.3					
UMPA	Umpang Tak 24.47 254 P	P	P	08 25 17.8 +5.4					
HIA	Hailar 24.52 354 iP	P	P	08 25 12.6 +0.1					
HIA	comp=Z,9.0nm,1.0s	Pmax	Pmax						
GTA	Gaotai 24.55 312 eP	P	P	08 25 14.1 +1.1					
GTA	comp=Z,5.0nm,0.8s	Pmax	Pmax						
GTA	comp=Z,130nm,6.2s	LR	LR						
GTA	comp=Z,630nm,16.2s	LR	LR						
GTA	comp=Z,950nm,12.4s	LR	LR						
GTA	comp=Z,940nm,14.1s	LR	LR						
MPSI	Mapaga 24.61 188 P	P	P	08 25 15.6 +2.0					
SBUM	Sibu 24.74 207 eP	P	P	08 25 14.9 +0.2					
ASAJ	Asahikawa 24.80 34 P	P	P	08 25 13.6 -1.4					
ASAJ	comp=Z,5.4nm,0.8s,baz=228,slow=15,SNR=5.7								

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KLR	Kul'dur 25.19 13 P	P	P	08 25 19.5 +1.0					
KLR	Ampapa 25.68 184 LR	LR	LR	08 36 35.8					
APSI	Luwuk 25.76 181 eP	P	P	08 25 24.9 +1.7					
LUWI	Luwuk 25.76 181 P	P	P	08 25 24.6 +0.7					
LUWI	comp=Z,92nm,1.4s	P	P	08 25 24.7 +0.7					
ULN	Ulaanbaatar 26.33 335 eP	P	P	08 25 30.6 +1.5					
ULN	comp=Z,9.7nm,1.3s	P	P	08 25 30.6 +1.5					
ULN	Ulaanbaatar 26.33 335 eP	Pmax	Pmax						
KSM	Kuching 26.45 210 eP	P	P	08 25 30.5 +0.3					
KSM	comp=Z,10.0nm,1.3s	P	P	08 25 31.1 -0.1					
SONAO	Songino Array 26.56 334 eP	P	P	08 25 31.1 -0.1					
SONM	Songino Array 26.56 334 P	P	P	08 25 31.1 -0.1					
SONM	comp=Z,5.5nm,0.9s,baz=145,slow=9.3,SNR=22								
Sanani	Sanani 26.88 174 P	P	P	08 25 34.4 +0.3					
YSS	Yuzh-Sakhalins 26.93 30 eP	MLR	MLR	08 25 33.0 -1.3					
YSS	comp=Z,300nm,16.0s	MLR	MLR						
YSS	comp=N,500nm,14.0s	MLR	MLR						
MTKI	Muara Teweh, K 26.93 199 P	P	P	08 25 35.5 +0.9					
SHL	Shillong 28.44 278 eP	P	P	08 25 50.0 +1.6					
SHL	comp=Z,22nm,1.4s	P	P	08 25 50.0 +1.6					
SHL	Shillong 28.44 278 eP	Pmax	Pmax						
SHL	comp=Z,22nm,1.4s	P	P	08 25 51.9 -0.7					
FAKI	Fak Fak 28.94 161 eP	P	P	08 25 54.8 +1.6					
LSA	Lhasa 28.96 287 eP	P	P	08 25 54.8 +1.6					
LSA	comp=Z,4.2nm,0.2s	P	P	08 25 54.8 +1.6					
LSA	Lhasa 28.96 287 eP	Pmax	Pmax						
ZEA	Zeya 28.98 5 eP	P	P	08 25 52.8 +0.3					
ZEA	comp=Z,46nm,1.4s	Pmax	Pmax						
ZEA	comp=N,2j,12.0s	MLR	MLR						
ZEA	comp=E,700nm,12.0s	MLR	MLR						
ZEA	comp=Z,3j,12.0s	MLR	MLR						
ZAK	Zakamensk 29.83 334 eP	Pmax	Pmax	08 26 00.1 -0.2					
ZAK	comp=Z,5.0nm,1.3s	P	P	08 26 02.1 +1.0					
KAPI	Kappang 29.91 187 eP	P	P	08 26 02.1 +1.0					
KAPI	comp=Z,11nm,1.5s	P	P	08 26 02.1 +1.0					
KAPI	Kappang 29.91 187 eP	Pmax	Pmax						
TLY	Talaya 30.72 336 eP	P	P	08 26 09.2 +1.2					
TLY	comp=Z,41nm,1.5s	P	P	08 26 09.2 +1.2					
TLY	Talaya 30.72 336 eP	Pmax	Pmax						
TLY	comp=Z,17nm,1.5s	P	P	08 26 18.1 +0.9					
MOY	Mondy 31.74 333 eP	Pmax	Pmax						
MOY	comp=Z,33nm,1.9s	P	P	08 26 34.4 +6.0					
PMBI	Palembang 33.00 216 P	P	P	08 26 31.3 +1.4					
MNSI	Mandailing Nat 33.18 227 P	P	P	08 26 32.1 +1.0					
MMRI	Maumere 33.32 182 P	P	P	08 26 31.9 +0.8					
MMRI	comp=Z,75nm,1.5s	P	P	08 26 32.7 +0.3					
EDFI	Ende, Flores 33.45 183 P	P	P	08 26 32.7 -4.4					
BOD	Bodaibo 33.60 351 eP	Pmax	Pmax						
BOD	comp=Z,5.0nm,1.8s	P	P	08 26 38.0 -2.8					
SOEI	Soe 34.43 178 eP	P	P	08 26 45.2 +2.7					
SOEI	comp=Z,33nm,1.4s	P	P	08 26 45.2 +2.7					
MDSI	Maura Dus 34.63 215 P	P	P	08 26 40.9 -1.5					
MDSI	comp=Z,10nm,1.3s,comp=Z,1j,1m	P	P	08 26 51.4 +2.6					
WMQ	Urumqi 34.63 312 eP	pP	pP	08 26 58.3 +1.0					
WMQ	comp=Z,39nm,0.9s	sP	sP						
WMQ	Urumqi 34.63 312 eP	Pmax	Pmax						
WMQ	comp=Z,140nm,6.5s	Pmax	Pmax						
WMQ	Urumqi 34.63 312 eP	LR	LR						
WMQ	comp=Z,1j,19.7s	LR	LR						
WMQ	Urumqi 34.63 312 eP	LR	LR						
WMQ	comp=Z,1j,15.9s	LR	LR						
WMQ	comp=Z,510nm,15.1s	LR	LR						
WMQ	Urumqi 34.63 312 eP	P	P	08 26 41.0 -1.5					
WMQ	comp=Z,13nm,0.6s	P	P	08 26 41.0 -1.5					
WMQ	Urumqi 34.63 312 eP	Pmax	Pmax						
DGZ	Jazzator, Alta 37.28 321 iP	P	P	08 27 03.2 -1.9					
DGZ	comp=Z,2.0nm,1.6s	P	P	08 27 04.9 -0.8					

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SUMG Summit, B08A Colville Reser, NEW Newport, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for MOA Mollin, MOA 5.4nm,1.0s, CONA Conrad Observa, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for TATO Yeheng, YHNB Yeheng, YULB Yu-li, etc.

ISCJB 18 08:22:59.0-8.6, 62.4S, 0.1x161.7W, 0.3, h10km, mb4.0/5, MS4.1/18, Error ellipse: s-maj=18.0km s-min=14.8km, az=160.0

THR 18 08:32:21.9, 32.86N, 47.50E, h14km, ML3.1 ISN 18 08:32:21.9, 1.0, 32.84N, 47.31E, h0km, 3km, ML3.2

Nakatuse 10.68 37 LR 08 44 35.2 comp=Z, 2.1nm, 19.5s, baz=212, slow=42

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SBA Scott Base, VANDA Vanda, VNA2 Vna2, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for BHD BHD, ASAO Ashtian, ASOK Ashtian, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for USGK Usagaki, GUMO Guam, CM31 Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for VNA1 Vna1, STKA Stephens Creek, VAH Vaihoo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SONM Songino Array, PETK Petropavlovsk, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRAB Tennant Creek, WR1 Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, FITZ Fitzroy Crossi, CPUB Villa Florida, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.









Table with columns for station code, name, frequency, and other parameters. Includes stations like MAA08, MMAI, MML, ANTO, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like MOS, GZR, BIDO, DRGR, etc.

Table with columns for station code, name, frequency, and other parameters. Includes stations like BVAR, CHMS, MODS, etc.



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like COLA College, IL1 Eielson Array, ILAR Eielson Array, etc.

MEX 18 10:40:18.1±0.3, 16:19N:98:36W, h4km±4km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tiapa.

AZER 18 10:44:40.8±1.1, 38°41'N:45°38'E, h5km, ml3.9/20, Error ellipse: s-maj=2.4km s-min=1.7km az=32.0

NSSP 18 10:44:41.6, 38°43'N:45°45'E, h10km, Ms3.8
TEH 18 10:44:42.7, 38°36'N:45°32'E, h15km, ML4.1
ISK 18 10:44:43.2, 38°55'N:45°44'E, h5km, ML3.7/9
DDA 18 10:44:44.2, 38°35'N:45°32'E, h7km±4km, ML2.9
ISCJB 18 10:44:46.7±0.3, 38°44'N:02:45°51'E±0.02, h33km, Error ellipse: s-maj=3.7km s-min=2.6km az=163.1

ISC 18 10:44:44.1±1.1, 38°42'N:02:45°42'E±0.02, h13km±gkm, n79, r1504/102, 26°-22D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like IMRD Marand, ITBZ Tabriz, ORD Ordubad, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like BRDA Brd, LRK Lrk, GDB GDB, etc.

ISCJB 18 10:48:32.3±0.7, 27°26'S:0°03'-68°7'W±0.07, h140km, 11km, Error ellipse: s-maj=9.9km s-min=5.0km az=165.4

GUC 18 10:48:32.9±0.6, 27°25'S:68°9'W, h127km±8km, ML3.2
SJA 18 10:48:34.8±1.0, 27°43'S:68°56'W, h148km±13km, ML2.9, MW2.8

ISC 18 10:48:32.9±1.8, 27°25'S:0°05'-68°3'W±0.05, h130km±25km, n24, r150/34, 5C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like GO03 Copiap, VCA Vinchina, VCA Vinchina, etc.

NSSP 18 10:53:04.5, 38°80'N:45°63'E, h12km, Ms3.2

TEH 18 10:53:04.5, 38°41'N:45°34'E, h10km, ML3.0
ISCJB 18 10:53:06.2±0.9, 38°38'N:04:45°46'E±0.08, h10km, Error ellipse: s-maj=9.3km s-min=5.7km az=156.1

ISC 18 10:53:03.9±1.3, 38°37'N:0°05'-45°33'E±0.07, h10km±n7, r0519/10, 2C, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like IMRD Marand, ITBZ Tabriz, ITBZ Tabriz, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like MAHB Mahabad, GNI Gani, etc.

JMA 18 11:00:55.9±0.2, 24°98'N:123°45'E, h12km, M3.4
IDC 18 11:00:55.2±1.0, 24°94'N:123°49'E, h0km, mb3.8/8, mb1.3/9.8, mb1mx3.6/48, mbtmp3.8/8, MS3.3/10, Ms1.3/3.10, ms1mx3.0/52, Error ellipse: s-maj=37.9km s-min=18.3km az=66.0

ISCJB 18 11:00:56.1±2.1, 24°97'N:0°04'-123°43'E±0.04, h13km±14km, mb3.6/9, MS3.6/6, Error ellipse: s-maj=6.4km s-min=5.5km az=23.6

ISC 18 11:00:56.2±1.6, 24°94'N:0°06'-123°48'E±0.04, h6km±11km, n27, r082/26, mb3.7/9, MS3.7/6, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

SOME 18 11:06:10.3, 45°08'N:73°77'E

NNC 18 11:06:11.7±2.3, 45°04'N:73°73'E, h0km, mb3.2, mpv2.8, Error ellipse: s-maj=17.1km s-min=8.1km az=145.0, Suspected Mining explosion.

ISCJB 18 11:06:12.3±1.4, 44°84'N:0°04'-74°0'E±0.1, h0km, Error ellipse: s-maj=13.8km s-min=5.8km az=12.6

KRNET 18 11:06:49.5±0.1, 42°56'N:74°61'E, h11km, mb1.3
ISC 18 11:06:12.4±1.4, 44°39'N:0°09'-73°80'E±0.07, h0km±n15, r153/19, 7C-6D, Central Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like BTLS Baital, KUU Kurty, DGS Degeres, etc.

MEX 18 11:09:16±0.4, 16:53N:98:52W, h6km±2km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tiapa, etc.







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

NSPP 18 11:54:13.3, 38°45N, 153°35E, h11km, Ms3.2
AZER 18 11:54:13.3, 38°40N, 153°35E, h33km, ml3.2/9, Error
ellipse: s-maj=1.9km s-min=1.1km az=230.0

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

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

ISC/JB 18 12:01:58.9, 1.5, 8.52S, 148.09E, h109km, mb3.2/6,
mb1 3.4/7, mb1mx3.2/28, mbtmpr3.6/7, Error ellipse:
s-maj=45.2km s-min=27.3km az=111.0

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

ISC/JB 18 12:03:58.0, 1.5, 40.72N, 107.07E, h90E, 0.08,
h106km, 15km, Error ellipse: s-maj=11.2km s-min=9.8km
az=162.8

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

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

ISC/JB 18 12:03:59.4, 1.6, 40.94N, 107.92E, 0.04, h23km, 17km,
h11, c125/21, 8C-5D, Tajikistan

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



18D 12h

Table with columns: ID, Name, Time, Status, and other details. Includes entries like IXP20, Marmol, El Retiro, etc.

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Table with columns: ID, Name, Time, Status, and other details. Includes entries like Woodville, Lilburn, Magazine, etc.

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Table with columns: ID, Name, Time, Status, and other details. Includes entries like Tazewell, Edmonton, Carrier Mills, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like W18A Petrified Fore, P51A Williamsport, SFIN Lafayette, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PEMO Pembroke, LONY Lake Ozonia, E51A G1948 Merrick, etc.

DDA 18 12:40:20.4, 37.30N-37.12E, h7km, 2km, ML3.0
ISCJB 18 12:40:21.1, 0.5, 37.30N-0.03, 37.07E, 0.03, h8km, 4km,
Error ellipse: s-maj=5.1km s-min=3.6km az=178.9

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HEKM Malatya\_Hekimh, BNN Bunyan, NIG Nigde, etc.

IDC 18 12:50:12.9, 2.8, 59.31S-148.39E, h0km, mb3.9/3,
mb1.0/4.0, mb1mx3.8/33, mbtimp3.8/4, ML3.0/1, MS3.5/3,
Ms1.3.5/3, ms1mx3.1/29, Error ellipse: s-maj=199.8/3km
s-min=23.4km az=80, West of Macquarie Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Vnda Vanda, URZ Urewera, H01W1 Cape Leeuwin H, etc.

IDC 18 12:53:44.4, 1.8, 1.46N-126.49E, h0km, mb3.9/3,
mb1.0/4.0, mb1mx3.5/38, mbtimp3.8/4, ML3.7/1, Error
ellipse: s-maj=113.7km s-min=22.2km az=68.0

DJA 18 12:53:49.5, 1.0, 1.5, 12.6E, h11km, M4.2/9,
mb4.7/1, mb4.7/1, MLV3.9/M, Mw(Mb)3.9/1

ISCJB 18 12:53:50.1, 0.8, 1.34N-0.08, 126.48E-0.06, h47km,
mb3.9/3, Error ellipse: s-maj=11.9km s-min=8.7km
az=13.2

ISC 18 12:53:51.1, 1.1, 1.35N-0.07, 126.50E-0.07, h47km, n12,
<0891/12, mb4.0/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SSGSI Sangihe, KMSI Cibinong, etc.

JMA 18 13:01:29.7, 0.2, 23.55N-126.19E, h118km, M3.6,
Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JOGS Gusukube, JIRGS Irabujima, JTJ Tarama, etc.

DDA 18 13:01:40.9, 41.10N-40.64E, h7km, 2km, ML2.6
ISCB 18 13:01:41.1, 0.5, 41.102N-40.67E, h23km, ML2.0/3
ISCJB 18 13:01:42.0, 0.5, 41.07N-40.04, 70E-0.03, h22km, 5km,
Error ellipse: s-maj=6.6km s-min=3.4km az=155.9

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

18d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, GSI, Gunungsitoli, 29.28 266 eP, P, 13 09 13.0 -1.3

SOME 18 13:01:43.3, 42°65'N; 75°63'E
ISCBJ 18 13:01:44.2, 42°70'N; 02°75'E; 0.03, h0km, Error ellipse: s-maj=3.7km s-min=2.6km az=153.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, GSI, Gunungsitoli, 29.28 266 eP, P, 13 09 13.0 -1.3

MAN 18 13:03:07.2, 3°18'N; 126°73'E, h2km, MS4.7
IDC 18 13:03:09.1, 0.4, 3°52'N; 126°57'E, h0km, mb4.7/33, mb1.4, 8/33, mb1mx4.8/43, mbtmp4.7/33, MS4.2/15, Ms1.4, 2/15, ms1mx4.0/35, Error ellipse: s-maj=19.6km s-min=7.5km az=76.0

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, GSI, Gunungsitoli, 29.28 266 eP, P, 13 09 13.0 -1.3

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, GSI, Gunungsitoli, 29.28 266 eP, P, 13 09 13.0 -1.3







Table with columns: Station Name, Frequency, Power, Modulation, and SNR. Includes stations like MSHR Mys Shultsa, CN2 Changchun, and various other regional stations.

Table with columns: Station Name, Frequency, Power, Modulation, and SNR. Includes stations like SANI Sanana, Yuzh-Sakhalins, and various other regional stations.

Table with columns: Station Name, Frequency, Power, Modulation, and SNR. Includes stations like NGJI Ngawi, PKI Pulchoki, and various other regional stations.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DPC Dobruska-Polom, UPC Ulice, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PD31 Pinedale Array, PDAR Pinedale Array, TBI Tubuai, etc.

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HMT Hamilton, TRF Thorofore Moun, RND Reindeer, etc.

IDC 18 16:20:22.6:1.1, 49:04N:156:46E, h0km, mb3.2/4, mb1 3.6/6, mb1mx3.3/56, mbtmp3.4/6, ML3.4/2, Error ellipse: s-maj=60.3km s-min=20.2km az=123.0

ISCJTB 18 16:20:26.8:0.7, 49:17N:0.06:156:52E:0.1, h34km, mb3.2/4, Error ellipse: s-maj=14.9km s-min=6.2km az=21.5

KRSC 18 16:20:28.2:10.0, 49:31N:156:70E, h40km, 10km, ML4.2

ISC 18 16:20:27.5:1.0, 49:18N:0.08:156:52E:0.09, h34km, n36, az=104.1, mb3.2/4, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Alaid, ALID Alaid, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy 30.61 160, H1N1 WAKE ISLAND Hy 30.62 160, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TAP 18 16:24:09.6, 24:32N:121:46E, h11km, 1km, ML1.1, 1C-2D, B, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NACB baz=139, WHF Hehuan Shan, WHF baz=225, etc.

TAP 18 16:24:13.3, 24:30N:121:45E, h12km, ML1.3, A, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ETHL Xiulin Townshi, NNSB Datong, NNSB Datong, etc.

JMA 18 16:24:21.5:0.1, 24:38N:123:48E, h14km, M2.1, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Irimote-Funau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 18 16:30:01.1:1.7, 17:4N:127:31E, h0km, mb3.8/4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUWI Luwuk, FAKI Fak Fak, MTN Mantank Dam, etc.

MEX 18 16:33:09.2:0.3, 16:42N:98:63W, h20km, 7km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG Pinotepa, PNIG Tlapa, TLIG Tlapa, etc.

ISCJTB 18 16:45:26.4:0.4, 36:66N:0:04:71:21E:0:06, h150km, mb3.5/6, Error ellipse: s-maj=7.0km s-min=4.1km az=146.9

IDC 18 16:45:26.0:3.2, 36:39N:71:31E, h156km, 28km, mb3.2/5, mb1 3.2/1.1, mb1mx3.0/55, mbtmp3.6/11, Error ellipse: s-maj=25.5km s-min=19.8km az=178.0

NINC 18 16:45:32.9:3.4, 37:26N:71:20E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=26.4km s-min=24.6km az=157.0

ISC 18 16:45:26.3:0.7, 36:58N:0:07:71:22E:0.07, h150km, n28, az=188/33, mb3.5/6, 4C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DHRM DHARAMSHALA, DHRM DHRM, DHRM comp=N, 57nm, 0.4s, etc.

IDC 18 16:53:25.8:2.2, 5:33S:129:66E, h0km, mb3.4/1, mb1 3.4/4, mb1mx3.1/34, mbtmp3.2/4, ML2.8/3, Error ellipse: s-maj=103.8km s-min=27.5km az=76.0, Banda Sea

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







18d 18h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Shift, Elevation Shift, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Shift, Elevation Shift, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

1120

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Scatter, Elevation Scatter, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Shift, Elevation Shift, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KRK Arik, SPN Mys Shipunski, SPN MYZ, MKZ Mys Kozlova, MKZ KZV, MKZ Kizimen, TUMD Tumrok D, TUMR Tumrok, KBTR Krutoberegovo, BKI Bering, BKI.

IDC 18 18:39:38.3;1.9,5:30S;151.90E,h0km,mb3.7/5, mb1 4.0/6,mb1mx3.6/30,mbtmp3.8/6,ML1.9/1,MS2.9/2, Ms1 2.9/2,ms1mx2.6/33,Error ellipse: s-maj=68.1km s-min=20.8km az=122.0

ISCJB 18 18:39:43.7;1.6,5:2S;0.3;151.7E;0.4,h45km,mb3.6/5, MS2.9/1,Error ellipse: s-maj=64.9km s-min=12.1km az=37.4

ISC 18 18:39:44.8;1.9,5:3S;0.3;151.8E;0.4,h45km,n8,e0931/8, mb3.6/5,New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, PMG, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, DAV Davao City (W), SONM Songino Array, ILAR Eielson Array, TORD Torodi Arr.

ISCJB 18 18:47:16.3;0.3,5:60S;0.0;148.42E;0.05,h163km, mb4.2/25,Error ellipse: s-maj=7.0km s-min=4.6km az=13.2

NEIC 18 18:47:19.4;0.6,5:65S;148.39E,h184km,mb4.6/17, Error ellipse: s-maj=7.0km s-min=4.8km az=99.0

IDC 18 18:47:19.8;1.2,5:74S;148.31E,h184km,11km,mb3.9/16, mb1 4.0/20,mb1mx3.9/37,mbtmp4.4/20,Error ellipse: s-maj=11.7km s-min=8.0km az=105.0

DJA 18 18:47:21.6;0.9,6:5;6.148E,h151km,5km,M4.8/8, mb5.1/2,mb4.6/8,MLV4.9/2,Mw(ML)4.2

ISC 18 18:47:18.0;0.5,5:67S;0.05;148.38E;0.06,h163km,n76, e1943/80,mb4.3/25,New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MANU Manus Island, PMG Port Moresby, PMG, RABL Rabaul, JAY Jayapura, GENI Genyem, COEN Coen, HNR Honiara, HNR Honiara, HNR Honiara, MTSU Mount Surprise, CTA Charters Tower, CTAO Charters Tower, QIS Mount Isa, KDU Kakadu, MTN Mantion Dam, MTN Mantion Dam, WB2 Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, WRA, EIDS Eidsvold, EIDS Eidsvold, RMQ Roma, KNRA Kununurra, SANI Sanana, SANI Alice Springs, AS31 Alice Springs, AS31, ASAR Alice Springs, ASAR, DZM Mont Dzumac, DZM Mont Dzumac, SOEI Soe, SOEI Soe, ARMA Armidale, ARMA Armidale, BATI Baumata, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, CMSA Cobar Meteorol, MMRI Maumere, STKA Stephens Creek, STKA Stephens Creek, WRKA Warakuma, HTT Hallett, MEEK Meekatharra, URZ Urewera, JUNU Natsukatsu, JUNU Natsukatsu, RPZ Rata Peaks, MJAR Matushiro, MAJO Matushiro, MLZ Mavora Lakes, KSRs Kera Array, KS15 Wonju Array Si.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KSAR Wonju Array Be, WHN Wuhan, TSI Tuntungan, CMAR Chiang Mai Arr, PE1 Petrapavlovsk, SONA Songino Array, SONM Songino Array, VNSA Vanda, VNSA Vanda, MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Petrapavlovsk, SML Sawmill, SCM Sheep Creek Mo, SCM Reindeer, ILAR Eielson Array, ILAR Eielson Array, ILI Eielson Array, KWP Kalwarja Pacla, TORD Torodi Arr, TOA1 Torodi Arr. Sit.

IDC 18 18:55:14.3;8.3,32:54S;178.98W,h333km,76km,mb3.0/2, mb1 3.2/3,mb1mx3.0/28,mbtmp3.7/3,Error ellipse: s-maj=9.4,1km s-min=5.2km az=18.0

ISCJB 18 18:55:18.2;1.1,32:55S;179.0W;0.2,h400km, mb3.2/2,Error ellipse: s-maj=27.6km s-min=8.4km az=16.8

WEL 18 18:55:22.4;1.0,33:5;17.9W;1.2,h382km,20km

ISC 18 18:55:21.2;1.3,33:31S;0.09;178.7W;0.2,h400km,n27, e121/42,South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GLKZ Green Lake, WMGZ Waiomatatini S, WMGZ, PKGZ Pakihiroa, PKGZ, HAZ Te Kaha, HAZ, PUZ Puzi, PUZ Raukumara Rang, RUGZ Carnagh Statio, RUGZ Matawai, URZ Urewera, URZ Urewera, URZ Urewera, URZ Urewera, RAGZ Rawiri, RAGZ, RAGZ Rimuhau, RIGZ, MUZ Murupara, SNGZ Shannon Statio, SNGZ, PUZ Raatuhana, RTZ, MTHZ Maungataniwha, MTHZ, OUZ Omahuta, BKZ Black Stump Fm, BKZ, KRHZ Kereru, KRHZ, BHHZ Black Hill Sta, BHHZ, PNHZ Penuleni, TSZ Takemiro Road, BFZ Birch Farm, TIWZ Tintock, ASAR Alice Springs, WRA Warramunga Arr, BRTR Kermadec Array B.

ISCJB 18 19:06:48.7;0.7,28:41N;0.03;51.76E;0.07,h15km,Error ellipse: s-maj=10.0km s-min=3.5km az=159.3

THR 18 19:06:48.6;28.46N;51.58E,h23km,ML3.3

TEH 18 19:06:49.8;28.46N;51.64E,h7km,ML3.3

DSN 18 19:06:51.7;1.3,28:49N;52.01E,h10km,ML3.3/9,Error ellipse: s-maj=25.2km s-min=8.1km az=17.0

OMAN 18 19:06:53.9;0.5,28:53N;52.13E,h158km,32km,Error ellipse: s-maj=30.0km s-min=16.6km az=248.0

ISC 18 19:06:49.1;1.8,28:39N;0.07;51.6E;0.1,h15km,n39, e093/45,1C,Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GHIR Ghir-Karzin, GHIR Ghir-Karzin, GHIR Ghir-Karzin, IKAZ Kazeroun, IKAZ, SHI Shiraz, SHI, ISRV Sarvestan, ISRV, JHRM Jahrom, IPAR IPAR, IPAR, IRAM Ramesheh, IRAM, ZNGN Zangian, ISAD Sadrabad, ISAD, IMEH Mehriz, IMEH, ROKH ROKH, IPIR Pirpir, IPIR, IZEF Zefreh, IZEF, SHME Shamm, SHME, SHME Shamm, SHME Koh Gabri, YZKH Yazd, YZKH, IKHL Kolahrood, IKHL, NAZ Nazwa, Dubai, NAZ Nazwa, Dubai.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NAZ SNR=7.9, ASUD AI Ashush, Dub, ASUD AI Ashush, Dub, ASUD AI Ashush, Dub, MSFE Esma-Masafi, MSFE Esma-Masafi, FAQ AI Faqa, Dubai, MDH Madha, HATO Hato, Dubai, HATO Hato, Dubai, ASHO Ashiyah, ASHO Ashiyah, ASHO Ashiyah, ASHO Ashiyah, KHMZ Khomeyn, KHMZ Khomeyn, ALNE AI Ain, ALNE AI Ain, SOHO SOHO, SOHO, TPVR Parvadeh(Tabas).

IDC 18 19:09:05.8;1.7,18:91N;95:48E,h0km,mb3.4/3, mb1 3.5/4,mb1mx3.2/43,mbtmp3.3/4,ML3.1/1,Error ellipse: s-maj=27.2km s-min=17.4km az=39.0

ISC 18 19:09:08.8;1.7,19:1N;0.2;95.6E;0.1,h13km,n8,e099/8, mb3.5/3,Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CHTO Chiang Mai, CMMT Chiang Mai, CMAR Chiang Mai Arr, CMAR, CMAR, SUKH Sukthohai, KRAB Krabi, KRAB, MKAR Makanchi Array, KURBB Kurustov Arr, WRA Warramunga Arr.

IDC 18 19:13:59.5;1.1,21:92N;120:83E,h0km,mb3.4/8, mb1 3.6/8,mb1mx3.4/39,mbtmp3.5/8,MS3.0/2,M3.1/2, ms1mx2.5/28,Error ellipse: s-maj=50.6km s-min=17.6km az=64.0

ISCJB 18 19:14:03.0;4.2,21:90N;0.03;120.48E;0.03,h41km,4km, mb3.4/7,MS2.9/2,Error ellipse: s-maj=5.2km s-min=4.2km az=168.2

TAP 18 19:14:03.5;21:89N;120:54E,h41km,ML3.6,C

ISC 18 19:14:03.5;21:83N;0.06;120.46E;0.04,h30km,8km, n83,e113/124,mb3.4/7,SC-38,Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include HEN Hengchun, HEN, TWK1 Hengchun, TWK1, TWK2 Hengchun, TWK2, TWP Hailiuchiu, TWP, WLCH Liuchiu, WLCH, SCZT Fanzhou, SCZT, EAST Anshuo, EAST, SSPT Xinbi, TAW Tawu, TAW, KAU Kaohsiung, MASBT Mashbululo, MASBT, ECL Taimali, ECL, SGLT Jiouru, SGLT, SGLT, SSD Sandimen, SSD, TWM1 Shoushan, TWM1, LAY Lan-yu, LAY, TTN Taiping, TWG Pingang, TWG, TWGB Beinan, TWGB, SLGT Liugui, SLGT, SGST Jiashian, SGST, CHN1 Nanshi, CHN1, STYT Tauyuan, SNST Tainan City, WTP Tawu, TWK Hsiuying, TWK, ELDTW Lidau, ELDTW, TPUB Ta-pu, CHKT Chengkung, CHKT.







18d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LSNR, EPOS, Posof, etc.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KK31, Karatay Array, KKK1, etc.

1124

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MAKZ, Makanchi, CLM, etc.

Table with columns for Code, Station Name, Azimuth, Elevation, Phase, and other technical details. Includes stations like RABL, HNR, HNR, etc.



18d 21h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like TORO, ENLR, GNSR, BSFB, PLTB, PALK, etc.

2013 APR

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like NVAR, ILAR, PRU, BGR, STR, LDG, etc.

1126

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



18d 21h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like IRM Iron Mountain, LAZ Latoron, X16A Lo Mia Camp, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like T25A Trinidad, T25A Trinidad, NBLI Livramento-PB, etc.

1128

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CBKS Cedar Bluff, W53A Cullowee, U47A Clarksville, etc.

BGU	Big Grassy Mou	74.89	357	eP	P	21	38	17.3	+0.5
U54A	Nelsons Funny	74.91	23	P	P	21	38	16.6	-0.4
V57A	Coltrane Farms	75.00	24	P	P	21	38	16.8	-0.6
TCUT	Toone Canyon	75.03	358	eP	P	21	38	18.4	+0.6
S49A	Springfield	75.05	19	P	P	21	38	16.8	-0.8
T52A	Hallie	75.08	21	P	P	21	38	17.2	-0.7
O03E	Paynes Creek	75.09	350	P	P	21	38	17.3	-0.6
O02D	Mt. Diablo Mer	75.12	349	P	P	21	38	17.7	-0.3
OGNE	Ogallala	75.12	6	P	P	21	38	17.8	-0.3
U55A	T&Z Sparta	75.14	23	P	P	21	38	17.4	-0.9
WCI	Wyandotte Cave	75.19	18	P	P	21	38	17.1	-1.4
R47A	Wooly Knot Far	75.20	18	P	P	21	38	17.7	-0.8
S50A	Richmond	75.20	20	P	P	21	38	17.7	-0.8
SPUT	South Promonto	75.25	357	eP	P	21	38	19.9	+0.9
KMRM	Mali Ridge	75.31	349	eP	P	21	38	20.3	+1.1
Q45A	Warren Harvey	75.36	17	P	P	21	38	18.5	-0.8
S51A	Beattyville	75.39	21	eP	P	21	38	20.2	+0.6
S51A	Beattyville	75.39	21	P	P	21	38	18.9	-0.7
V59A	Middlesex	75.43	26	P	P	21	38	18.8	-1.0
R48A	Northridge Ran	75.47	19	P	P	21	38	18.3	-1.8
WDC	Whiskeytown Da	75.47	350	eP	P	21	38	20.2	+0.2
WDC	Whiskeytown Da	75.47	350	eP	P	21	38	20.2	+0.2
T54A	Tazewell	75.48	23	P	P	21	38	18.8	-1.4
R49A	Shelbyville	75.56	19	P	P	21	38	19.3	-1.2
RWWV	Rawlins	75.60	2	eP	P	21	38	20.3	-0.7
HVU	Hansel Valley	75.74	357	eP	P	21	38	22.3	+0.6
HVU	Hansel Valley	75.74	357	eP	P	21	38	22.3	+0.6
T55A	Pulaski	75.78	23	P	P	21	38	20.7	-1.2
P44A	Sand Creek, Wi	75.79	16	P	P	21	38	21.5	-0.3
Q47A	Bedord North L	75.83	18	P	P	21	38	20.2	-1.8
S53A	Williamson	75.88	22	P	P	21	38	21.2	-1.2
N02D	Trinity Center	75.89	350	P	P	21	38	22.8	+0.4
U58A	Oxford	75.89	25	P	P	21	38	21.2	-1.2
O41A	Passleys Farm,	75.92	14	P	P	21	38	22.3	-0.2
KHMM	Horse Mountain	75.95	349	eP	P	21	38	23.9	+1.0
BLA	Blacksburg	75.99	23	eP	P	21	38	24.0	+0.9
BLA	Blacksburg	75.99	23	eP	P	21	38	24.0	+0.9
BLA	Blacksburg	75.99	23	eP	P	21	38	22.1	-1.0
R51A	Hillsboro	76.01	21	P	P	21	38	22.4	-0.7
P45A	Graceland, Par	76.06	17	P	P	21	38	22.4	-0.9
U59A	Littleton	76.12	26	P	P	21	38	22.6	-1.1
M02C	Callahan	76.32	349	P	P	21	38	25.5	+0.6
P47A	Martinsville	76.39	18	P	P	21	38	25.3	+0.6
T58A	Grand View Acr	76.39	25	P	P	21	38	24.1	-1.2
Q50A	Georgetown	76.40	20	P	P	21	38	24.4	-0.9
S55A	Lewisburg	76.47	23	P	P	21	38	24.9	-1.0
N40A	Mertquake, Sal	76.52	14	P	P	21	38	25.0	-0.9
M04C	Macdoel	76.55	350	P	P	21	38	26.5	+0.2
K22A	Casper	76.58	2	eP	P	21	38	26.9	+0.4
K22A	Casper	76.58	2	P	P	21	38	26.5	+0.1
YBH	Yreka Blue Hor	76.63	350	eP	P	21	38	27.0	+0.3
YBH	Yreka Blue Hor	76.63	350	eP	P	21	38	27.0	+0.3
YBH	Yreka Blue Hor	76.63	350	eP	P	21	38	26.9	-0.1
BW06	Boulder Array	76.65	360	P	P	21	38	26.2	-0.7
BW06	Boulder Array	76.65	360	P	P	21	38	26.2	-0.7
PD31	Pinedale Array	76.65	360	eP	P	21	38	26.8	-0.1
PDAR	Pinedale Array	76.65	360	P	P	21	38	25.8	-1.1
PDAR	Pinedale Array	76.65	360	P	P	22	07	04.8	
PDAR	Pinedale Array	76.65	360	eP	P	21	38	25.2	-1.7
RS4A	Victor	76.69	23	P	P	21	38	26.4	-0.6
O45A	Potomac	76.75	17	P	P	21	38	26.8	-0.4
Q51A	Peebles	76.75	20	eP	P	21	38	28.4	+1.1
Q51A	Peebles	76.75	20	P	P	21	38	26.5	-0.8
T59A	Double "B" Far	76.76	26	P	P	21	38	26.9	-0.5
WV0R	Wild Horse Val	76.81	353	eP	P	21	38	29.0	+1.3
WV0R	Wild Horse Val	76.81	353	eP	P	21	38	29.0	+1.3
P49A	Miami Univ. Ec	76.84	19	P	P	21	38	27.3	-0.5
Q52A	Bidwell	77.01	21	P	P	21	38	28.3	-0.4
SF1N	Lafayette	77.02	17	P	P	21	38	27.8	-1.0
L04D	Klamath Falls	77.05	350	P	P	21	38	29.1	0.0
REDW	Red Top Meadow	77.26	359	eP	P	21	38	30.5	+0.1
K05A	Summer Lake	77.35	351	eP	P	21	38	32.2	+1.4
SNOW	Snow King Moun	77.36	359	eP	P	21	38	31.3	+0.3
K04D	Chiloquin, OR	77.37	351	P	P	21	38	31.4	+0.6
Q54A	Coxs Mills	77.47	22	P	P	21	38	29.9	-1.5
LOHW	Long Hollow	77.51	359	eP	P	21	38	31.5	+0.1
HUMO	Hull Mountain	77.52	350	eP	P	21	38	32.9	+1.4
R58B	Mineral	77.53	25	eP	P	21	38	31.9	+0.3
R58B	Mineral	77.53	25	P	P	21	38	30.9	-0.8
HL1D	Hailey	77.59	356	eP	P	21	38	30.9	-1.3
HL1D	Hailey	77.59	356	P	P	21	38	32.4	+0.3
P52A	Corning	77.67	21	P	P	21	38	32.6	+0.1
J08A	Circle Bar Ran	77.70	353	eP	P	21	38	34.3	+1.6
K02D	Willamette Mer	77.72	349	P	P	21	38	33.4	+0.6

O50A	Cable	77.72	20	P	P	21	38	31.7	-1.0
Q55A	Buckhannon	77.72	23	P	P	21	38	32.9	+0.1
P53A	Whipple	77.76	22	eP	P	21	38	35.2	+2.2
IMW	Indian Meadow	77.80	359	eP	P	21	38	33.8	+0.4
N47A	Urbans	77.84	18	P	P	21	38	32.4	-1.0
J05D	Fort Rock, OR	77.95	351	P	P	21	38	34.8	+0.7
FLWY	Flag Ranch	77.98	359	eP	P	21	38	35.0	+0.6
N48A	Decatur	78.00	19	P	P	21	38	33.7	-0.5
O51A	Pataskala	78.01	21	P	P	21	38	33.8	-0.6
RSSD	Black Hills	78.15	4	eP	P	21	38	35.9	+0.6
RSSD	Black Hills	78.15	4	eP	P	21	38	35.9	+0.6
RSSD	Black Hills	78.15	4	P	P	21	38	35.1	-0.2
P54A	Burton	78.15	22	P	P	21	38	34.3	-0.8
YPP	Pitchstone Pla	78.17	359	eP	P	21	38	36.8	+1.3
O52A	Adamsville	78.20	21	eP	P	21	38	36.4	+0.9
O52A	Adamsville	78.20	21	P	P	21	38	35.1	-0.3
J01E	Myrtle Point	78.21	349	P	P	21	38	36.0	+0.6
K39A	Delwein	78.22	13	P	P	21	38	35.1	-0.3
P55A	Reedsville	78.27	23	P	P	21	38	35.1	-0.8
MAW	Mason	78.28	177	P	P	21	38	37.7	+2.1
MAW	Mason	78.28	177	P	P	22	10	44.8	
N49A	Columbus Grove	78.28	19	eP	P	21	38	37.5	+1.6
M47A	Cromwell	78.31	18	P	P	21	38	35.5	-0.5
ECSD	EROS Data Cent	78.47	9	eP	P	21	38	37.6	+0.8
ECSD	EROS Data Cent	78.47	9	P	P	21	38	36.0	-0.8
I07A	Ize	78.53	352	eP	P	21	38	37.3	0.0
YMR	Madison River	78.57	359	eP	P	21	38	38.8	+1.2
YNR	Norris Junctio	78.61	359	eP	P	21	38	39.0	+1.2
I03D	Drain, OR	78.65	350	P	P	21	38	38.3	+0.6
YHB	Horse Butte	78.66	359	eP	P	21	38	39.4	+1.3
YHH	Holmes Hill	78.69	359	eP	P	21	38	39.3	+1.0
QLMT	Earthquake Lak	78.74	358	eP	P	21	38	39.9	+1.3
MCMT	McKenzie Canyo	78.78	357	P	P	21	38	39.7	+0.9
J39A	Decorah	78.86	13	P	P	21	38	38.0	-0.9
K43A	Burlington	78.94	16	P	P	21	38	38.5	-0.9
L47A	Sherwood	79.00	18	P	P	21	38	38.8	-0.9
RLMT	Red Lodge	79.01	360	eP	P	21	38	40.5	+0.5
RLMT	Red Lodge	79.01	360	P	P	21	38	39.2	-0.8
BMO	Blue Mountains	79.08	354	eP	P	21	38	41.0	+0.8
BMO	Blue Mountains	79.08	354	eP	P	21	38	41.0	+0.8
I02D	Swohorne	79.12	349	P	P	21	38	40.3	0.0
N53A	Lisbon	79.14	22	P	P	21	38	39.9	-0.7
DLMT	Dillon	79.31	358	eP	P	21	38	42.3	+0.7
H04D	Lebanon	79.37	350	P	P	21	38	42.3	+0.6
O56A	Blue Knob Stat	79.37	23	eP	P	21	38	42.6	+0.8
O56A	Blue Knob Stat	79.37	23	P	P	21	38	43.3	+1.4
I39A	Houston	79.40	13	eP	P	21	38	42.9	+1.0
I39A	Houston	79.40	13	P	P	21	38	42.3	+0.4
H04A	Detroit Lake	79.45	351	eP	P	21	38	42.4	+0.2
COR	Corville	79.51	350	eP	P	21	38	44.2	+1.8
BOZ	Bozeman (W)	79.51	358	eP	P	21	38	43.4	+0.7
BOZ	Bozeman (W)	79.51	358	eP	P	21	38	43.4	+0.7
BOZ	Bozeman (W)	79.51	358	P	P	21	38	42.7	0.0
N54A	Moraine State	79.54	22	eP	P	21	38	43.1	+0.4
N54A	Moraine State	79.54	22	P	P	21	38	44.2	+1.5
G08A	Pilot Rock	79.67	353	eP	P	21	38	44.7	+1.2
N55A	Marion Center	79.69	23	P	P	21	38	45.0	+1.4
LRM	Limekiln Ridge	79.76	358	eP	P	21	38	45.4	+1.3
G06A	Karson Farm	79.80	352	eP	P	21	38	45.5	+1.4
G05D	Wamic, OR	79.88	351	P	P	21	38	44.6	0.0
I42A	Dræger Farm,	79.95	15	eP	P	21	38	45.4	+0.5
I42A	Dræger Farm,	79.95	15	P	P	21	38	44.0	-0.5
H38A	Malden Rock	80.05	12	P	P	21	38	44.8	-0.6
K48A	Perry	80.06	18	P	P	21	38	45.0	-0.5
M54A	Oil Creek Stat	80.14	22	P	P	21	38	47.5	+1.5
F10A	Beach Ranch, E	80.19	354	eP	P	21	38	47.2	+1.0
H39A	Augusta	80.24	13	P	P	21	38	46.4	0.0
J47A	Summer	80.28	18	P	P	21	38	47.0	+0.3
H40A	Chili	80.35	14	P	P	21	38	48.7	+1.7
M55A	Ridgway	80.39	23	P	P	21	38	47.5	+0.1
SPMN	Marine on St.	80.50	12	P					





Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Cerro Calan, Antupama, Farellones, Las Meiosas, Uspallata, Leontico, CERRO ARCO, Salagasta, Agrelo.

ANF 18 22:35:18.3+0.2, 33.688N, 87.28W, ML3.6/49, Error ellipse: s-maj=1.7km s-min=1.4km az=79.0, Alabama

Main table of station data for the left column, including codes like Y48A, LRAL, Y49A, X48A, Z49A, X47A, 148A, X49A, 149A, Z50A, Y50A, 147A, X46A, W48A, 150A, X50B, W47A, W49A, W46A, 249A, 251A, Y51A, 250A, OXF, 151A, V48A, V47A, X51A, W50A, V46A, 251A, V49A, W51A, V50A, U47A, 252A, 253A, 254A, 255A, 256A, 257A, 258A, 259A, 260A, 261A, 262A, 263A, 264A, 265A, 266A, 267A, 268A, 269A, 270A, 271A, 272A, 273A, 274A, 275A, 276A, 277A, 278A, 279A, 280A, 281A, 282A, 283A, 284A, 285A, 286A, 287A, 288A, 289A, 290A, 291A, 292A, 293A, 294A, 295A, 296A, 297A, 298A, 299A, 300A.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Springfield, Woolly Knot Far, Fall Branch, Martinsville, IJCJB, NEIC, IDC, VAO, GUC.

Main table of station data for the middle column, including codes like PB09, LVC, LVC, LVC, LVC, LVC, PB01, PB03, PB07, PB07, PB06, PB02, PB04, PB08, PB15, PB05, PB05, PB05, GO01, GO01, PB11, YJA, PSGC, HJJA, AZAP, FSA, LPAZ, LPAZ, AHML, SIV, CFA, CFA, CPUP, CPUP, CPUP, AQB, TRCB, ITAB, CPBS, CLDB, PLTB, ITRB, TRQA, FRFB, CNLB, BB19, PLCA, RCLB, SJPB, BDFB, PMNB, BSCB, ESAR, PTGA, PTGA, OTAV, SUMB, BSFB, NBPA, RCBR, TKL, VNA3, VNA2, TXAR, TXAR, SNA, LIC.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Toumodi, Kusan Boka, Dimbokro, Pinedale Array, Elko, NVAR, VYDA, TORD, BOSA, YKA, YKA, ASAR, WRA, ZALV, MKAR, KLR, SONM, SONM, LZH, LZH, LZH, CD2.

IJCJB 18 22:40:35.6+0.7, 31.25N, 0.103E, 103.71E, h13km, mb3.6/6, Error ellipse: s-maj=1.7km s-min=9.4km

IDC 18 22:40:35.5+1.0, 31.25N, 103.71E, h0km, mb3.7/7, mb1.3/9.9, mb1mx3.5/5.9, mbtm3.7/9, ML3.3/1, Error ellipse: s-maj=32.5km s-min=18.6km az=60.0

BUI 18 22:40:38.2, 31.30N, 103.51E, h13km, ML3.4/13

ISC 18 22:40:37.5+0.9, 31.36N, 0.103E, 103.74E, h13km, n11, s194/13, mb3.7/6, Sichuan

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like XAN, XAN, XAN, XAN, XAN, XAN, CMAR, SONM, WMQ, KMRS, MKAR, ZALV, KURBB, WRA, ASAR, ILAR.

IJCJB 18 22:55:13.6+0.4, 27.78N, 0.042E, 62.34E, 0.05, h50km, mb3.9/1, Error ellipse: s-maj=7.8km s-min=4.4km

IDC 18 22:55:16.5+0.9, 27.92N, 62.14E, h61km, 6km, mb3.4/10, mb1.3/5.12, mb1mx3.2/5.1, mbtm3.7/12, h60km, ML3.7, s-maj=21.9km s-min=17.4km az=135.0

TEH 18 22:55:17.3, 28.09N, 62.32E, h60km, ML3.7

OMAN 18 22:55:25.4, 1.6, 27.17N, 61.99E, h36km, 251km, ml4.2/1, Error ellipse: s-maj=60.8km s-min=10.4km az=245.0

DSN 18 22:55:27.7, 1.9, 27.49N, 61.42E, h30km, ML3.5/8, Error ellipse: s-maj=59.9km s-min=18.0km az=157.0

ISC 18 22:55:14.8+0.6, 27.69N, 0.106E, 62.31E, 0.07, h50km, n51, s254/65, mb3.7/11, Southern Iran

Main table of station data for the right column, including codes like CHHM, NIAN, NIAN, NGRK, IDAH, IDAH, IKOO, WSAR, WSAR, WSAR, SHME, KHG, MDH, MDH, MDH, WBK, MSFE, MSFE, SMDO, ITEG, HOQ, HOQ, HOQ, HATD, SOHO, ASHO, ASHO, ASHO, JMDO, NAZ, FAQ, FAQ, ARQ, ARO, ALNE, ALNE, ASUD, ASUD, ASUD, TRPV, TPDK, MHTO, MHTO, IPAY.



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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JH112, JH111, JH113, etc.

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

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

ISCJB 19 00:38:30.8z 1.0, 15:1N:0.1x87.00W:0.08, h10km, mb3.5/2, MS3.2/1, Error ellipse: s-maj=15.6km s-min=10.3km az=27.9

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

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

UCR 19 00:21:03.4, 15:70N:87.17W, h38km, 99gkm, ML4.3, Honduras

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RCON, RCON, MTO3, etc.

NEIC 19 00:56:40.9z 0.0, 16:62N:94.87W, h102km, MD4.0 (MEX), After MEX.

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

MEX 19 01:11:17.8z 0.5, 15:36N:93.95W, h90km, 10km, MD3.9, Near coast of Chiapas

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

JMA 19 01:24:37.2, 36:51N:140:50E, h27km, 1km, M3.5, 1C-2D, Near east coast of eastern Honshu

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

ISCJB 19 01:34:08.8z 0.3, 23:37N:0.02:121.82E:0.02, h21km, 2km, Error ellipse: s-maj=3.0km s-min=2.0km az=137.2

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHN5, CHN5, WJS, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHN4, CHN4, NNS, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHN1, CHN1, WHP, etc.

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

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

Table with columns: TWE, Neicheng, 1.34 355 eP, Pn, 01 34 32.5 +0.3, etc. Lists various stations and their associated data.

ISCJB 19 01:35:01.2,0.4,85.82N,0.05:27.5E:1.0,h10km, mb3.8/15,MS3.0/14,Error ellipse: s-maj=10.1km s-min=6.9km az=177.3

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like Zemlyya Franca, KINGSBAY, etc.

ISC 19 01:47:48.3:3.3,1735N:40.37E,h0km,mb3.7/4, mb1 3.9/4,mb1mx3.4/59,mbtmp3.8/4,MS3.2/5,Ms1 3.2/5,ms1mx2.6/33,Error ellipse: s-maj=114.7km s-min=84.2km az=13.0,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, ASAR, MKAR.

KRSC 19 02:00:59.5±10.0,49.47N:156.36E,h2km±10km,ML3.5, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like CMIG, HUIG, VHO, etc.

ISCJB 19 02:03:19.7±0.8,31.93S:0.03:69.57W:0.05,h117km±7km, Error ellipse: s-maj=7.4km s-min=5.1km az=20.8

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like RTLS, AUSP, ZON, etc.

ISC 19 01:35:31.6:6.7,8.44S:156.10E,h0km,mb3.9/3, mb1 4.1/3,mb1mx3.6/31,mbtmp3.9/3,MS3.2/2,Ms1 3.2/2,ms1mx2.6/33,Error ellipse: s-maj=114.7km s-min=84.2km az=13.0,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like PMG, DZM, WRA, etc.

ISC 19 02:06:24.0:1.1,37.59N:0.04:141.89E:0.06,h19km±6km, mb3.4/4,Error ellipse: s-maj=9.1km s-min=4.9km az=28.7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like JIKH, JFK, JMM, etc.





19d 3h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.









Table with columns: Station ID, Name, Frequency, Power, Class, and other details. Includes stations like I07A Ize, WALA Waterton Lakes, F10A Beach Ranch, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other details. Includes stations like BKNI Bangkinang, BKNI Bangkinang, TBJI Tamak Bayo, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other details. Includes stations like RLMT Red Lodge, RLMT Red Lodge, FXWY Fox Creek, etc.







19D 3h

Table with columns: I40A, NORwalk, 75.16, 41, P, P, 03 17 21.5 -1.3, etc. Lists various locations and their associated data points.

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Table with columns: L39A, Vinton, 75.88, 43, P, P, 03 17 25.9 -1.1, etc. Lists various locations and their associated data points.

1144

Table with columns: ASUD, AI Ashush, Dub, 76.37, 291, iP, P, 03 17 29.6 -0.3, etc. Lists various locations and their associated data points.



19d 3h

Table with columns: Station, Name, Frequency, Class, Power, and other technical details. Includes stations like MORH Mrgy, Hungary, BGKT Bogazkoy, and many others.

2013 APR

Table with columns: Station, Name, Frequency, Class, Power, and other technical details. Includes stations like AAM Ann Arbor, AFM Ann Arbor, and many others.

1146

Table with columns: Station, Name, Frequency, Class, Power, and other technical details. Includes stations like HMNX Herstonceux, ALFO Alfred, and many others.

BALY	comp=Z,12um,0.3s	IAML_P			
BERE	Bereket-Mersin	80.66 314 eP	P	03 17 52.6 -0.9	
HAPS	Han Pjiesak, BI	80.67 317 //P	P	03 17 51.2 -2.2	
KZIL	AFYOI Kizioron	80.67 317 //P	P	03 17 53.2 -0.3	
BLY	Banja Luka	80.75 329 eP	P	03 17 52.3 -1.4	
BLV	Banja Luka	80.75 329 //P	P	03 17 52.7 -1.0	
BLV	Banja Luka	80.75 329 //P	P	03 17 52.2 -1.5	
J54A	Appleton	80.76 34 P	P	03 17 52.9 -0.9	
WHTX	Lake Whitney	80.76 53 eP	P	03 17 53.4 -0.6	
WHTX	Lake Whitney	80.76 53 P	P	03 17 53.2 -0.8	
BLO	Bloomington	80.77 42 eP	P	03 17 53.1 -0.8	
BLO	Bloomington	80.77 42 eP	P	03 17 53.1 -0.8	
BLO	Bloomington	80.77 42 eP	P	03 17 53.1 -0.8	
BOJS	Bojanci	80.78 330 //P	P	03 17 52.6 -1.2	
HEX	Exmoor	80.81 344 eP	P	03 17 54.4 +0.7	
EREN	Erenkoy	80.81 312 eP	P	03 17 53.8 -0.3	
EREN	Erenkoy	80.81 312 //P	P	03 17 54.8 +0.7	
USAK	Uak-Merkez	80.83 318 //P	P	03 17 54.3 0.0	
USAK	Uak-Merkez	80.83 318 //P	P	03 17 54.3 0.0	
PECO	Prino Edward	80.83 33 P	P	03 17 52.5 -1.6	
HWY	Hawqa	80.85 311 eP	P	03 17 54.1 -0.5	
MMB	Musomita	80.85 323 P	P	03 17 54.4 +0.1	
CEV	Cerknica	80.86 331 //P	P	03 17 52.8 -1.5	
KHAL	Karahalli	80.89 317 //P	P	03 17 54.7 0.0	
KKB	Krupnik	80.89 323 P	P	03 17 54.2 -0.3	
ECH	Echery	80.90 336 eP	P	03 17 53.4 -1.0	
ECH	Echery	80.90 336 eP	P	03 17 53.4 -1.0	
STEP	BALIKESIR_Sava	80.90 319 //P	P	03 17 54.6 -0.1	
STEP	BALIKESIR_Sava	80.90 319 //P	P	03 17 54.6 -0.1	
KHL	Karahalli	80.91 317 eP	P	03 17 55.8 +1.0	
MIAR	Mount Ida	80.92 49 eP	P	03 17 54.0 -0.7	
MIAR	Mount Ida	80.92 49 P	P	03 17 53.7 -1.1	
MEDO	Medina	80.93 34 P	P	03 17 53.1 -1.6	
FETA	Feichten	80.93 334 //P	P	03 17 54.1 -0.7	
FETA	Feichten	80.93 334 ePcP	PKKPbc	03 36 32.8 +2.8	
M51A	Elyria	80.93 38 P	P	03 17 53.5 -1.2	
O49A	Covington	80.94 40 eP	P	03 17 53.6 -1.1	
O49A	Covington	80.94 40 P	P	03 17 53.7 -1.1	
DAVA	Damuels	80.95 334 //P	P	03 17 54.1 -0.8	
DAVA	Damuels	80.95 334 ePcP	PKKPbc	03 36 33.1 +3.1	
BOZY	Bozayi-Mersin	80.97 314 eP	P	03 17 56.0 +1.0	
N50A	Nezada	80.98 39 P	P	03 17 54.3 -0.7	
S45A	Carrier Mills	80.99 44 P	P	03 17 54.1 -0.9	
NVR	Neurokopi	80.99 323 P	P	03 17 53.5 -1.6	
SMTH	Samothraki Isl	80.99 321 P	P	03 17 53.3 -1.8	
Q47A	Bedord North L	81.00 42 P	P	03 17 54.2 -0.9	
KAVA	Kavala	81.00 322 P	P	03 17 53.5 -1.6	
HTL	Hartland	81.01 345//eP	IAMB	03 17 54.6 -0.3	
HTL	Hartland	81.01 345//eP	IAMB	03 18 02.9	
HTL	Hartland	81.01 345//eP	IAMB	03 18 02.9	
WHAR	Wooly Hollow	81.01 48 eP	P	03 17 54.0 -1.2	
KEPZ	Antalya-Kepez	81.03 315 //P	P	03 17 54.3 -1.1	
VAL	Valentia	81.03 348 //P	P	03 17 55.7 +0.7	
VAL	Valentia	81.03 348 //P	P	03 18 07.8	
CAN	Camberra	81.04 182 eP	S	03 27 53.9 +3.2	
P48A	Milroy	81.04 41 P	P	03 17 53.8 -1.5	
GOKC	Gokceada-Canak	81.05 321 eP	P	03 17 57.6 +2.3	
MGRS	Mirkonji Grad	81.07 328 //P	P	03 17 55.1 -0.4	
R46A	Gibson Southern	81.07 43 P	P	03 17 54.8 -0.7	
BCK	Bucak	81.08 316 eP	P	03 17 53.9 -1.8	
ALAN	Alanya-ANTALYA	81.09 314 eP	P	03 17 56.0 +0.4	
J55A	Hilton	81.09 34 P	P	03 17 54.3 -1.2	
M52A	Chesterland	81.11 37 P	P	03 17 54.7 -1.0	
TRI	Trieste	81.11 331 eP	P	03 17 53.6 -2.0	
TRI	Trieste	81.11 331 eP	P	03 17 53.6 -2.0	
W41B	Gary Mavity, V	81.12 48 eP	P	03 17 54.5 -1.3	
W41B	Gary Mavity, V	81.12 48 eP	P	03 17 54.6 -1.2	
LONY	Lake Ozonia	81.14 31 eP	P	03 17 55.3 -0.5	
LONY	Lake Ozonia	81.14 31 eP	P	03 17 54.2 -1.5	
BAYC	CANAKKALE_Bayc	81.14 320 //P	P	03 17 55.8 -0.1	
PLE	Pjevija	81.14 326 //P	P	03 17 54.6 -1.3	
BRDR	BURDUR-Merkez	81.15 316 //P	P	03 17 55.5 -0.6	
KULA	Kula-Manisa	81.16 318 eP	P	03 17 55.5 -0.7	
KULA	Kula-Manisa	81.16 318 P	P	03 17 55.4 -0.7	
KULA	Kula-Manisa	81.16 318 P	P	03 17 55.4 -0.7	
EZN	Ezine	81.17 320 eP	P	03 17 55.4 -0.8	
EZN	Ezine	81.17 320 //P	P	03 17 55.2 -0.8	
ERPA	Erie	81.17 36 eP	P	03 17 55.2 -0.9	
ERPA	Erie	81.19 36 P	P	03 17 55.2 -0.9	
N51A	Ashland	81.19 38 eP	P	03 17 54.7 -1.4	
N51A	Ashland	81.19 38 P	P	03 17 54.7 -1.4	
USIN	University of	81.20 43 eP	P	03 17 55.8 -0.4	
GAZI	Gazipasa	81.20 314 //P	P	03 17 55.7 -0.6	
MORW	Morawa	81.20 210 eP	P	03 17 55.6 -0.4	
RIV	Rijeka	81.20 331 //P	P	03 17 54.4 -1.7	
MNVG	Manavgat-Antal	81.21 315 eP	P	03 17 55.4 -0.8	
L53A	Girard	81.22 36 P	P	03 17 55.2 -1.0	
MANT	Manisa	81.23 318 eP	P	03 17 55.9 -0.7	
MANT	Manisa	81.23 318 //P	P	03 17 56.6 0.0	
THAS	Thassos island	81.24 322 P	P	03 17 54.4 -1.9	
AKHS	Akhisar	81.26 319 //P	P	03 17 56.4 -0.1	
BOZC	Bozcaada	81.28 320 eP	P	03 17 55.6 -1.0	
BOZC	Bozcaada	81.28 320 //P	P	03 17 56.0 -0.5	
O50A	Cable	81.29 39 P	P	03 17 55.3 -1.3	

PHNC	Paralimni	81.29 312 P	P	03 17 55.6 -1.1	
BHL	Bhannes	81.29 310 eP	P	03 17 56.4 -0.5	
SRS	Serrai	81.30 323 P	P	03 17 54.8 -1.9	
SRS	Serrai	81.30 323 P	P	03 17 54.8 -1.9	
SRS	Serrai	81.30 323 P	P	03 17 54.8 -1.9	
P49A	Miami Univ. Ec	81.30 40 P	P	03 17 55.2 -1.5	
FRNY	Flat Rock	81.30 30 eP	P	03 17 56.0 -0.6	
Q48A	North Vernon	81.33 41 P	P	03 17 55.5 -1.3	
IVA	Berane	81.33 326 //P	P	03 17 55.7 -1.2	
MOQ	Mont Orford	81.35 29 eP	P	03 17 56.1 -0.8	
X40A	Basin Creek Fa	81.35 49 eP	P	03 17 56.3 -0.7	
X40A	Basin Creek Fa	81.35 49 P	P	03 17 56.1 -1.0	
L54A	Sinclairville	81.37 35 P	P	03 17 56.1 -0.9	
U44A	Portageville	81.38 45 P	P	03 17 56.3 -0.8	
UALR	University of	81.38 48 eP	P	03 17 56.1 -1.1	
S46A	Don Dixon Farm	81.40 43 P	P	03 17 56.3 -0.9	
STIP	Stip	81.40 324 //P	P	03 17 55.6 -1.6	
DAVOX	Davos/Dischmat	81.41 334 S	S	03 27 58.5 -1.0	
DAVOX	Davos/Dischmat	81.41 334 S	S	03 27 58.5 -1.0	
AYVA	Ayvalik	81.42 320 //P	P	03 17 57.4 +0.1	
FUORN	Opasen-Fuorn	81.43 334 eP	PKKPbc	03 36 30.4 +1.5	
PVMO	Portageville	81.44 45 eP	P	03 18 00.2 +2.7	
K55A	Perry	81.45 34 P	P	03 17 56.3 -1.2	
UDBI	Udbina	81.45 329 //P	P	03 17 56.0 -1.5	
R47A	Wooly Knot Far	81.47 42 eP	P	03 17 56.5 -1.1	
SKO	Skojci	81.48 324 //P	P	03 17 57.1 -0.5	
M53A	W Miller and	81.48 37 P	P	03 17 56.7 -0.9	
T45A	Paduach	81.48 44 eP	P	03 17 58.5 +0.8	
T45A	Paduach	81.48 44 P	P	03 17 56.9 -0.8	
DMTO	DMTO	81.49 287 P	P	03 17 58.9 +0.9	
DORL	Deir Gamar	81.49 310 eP	P	03 17 57.9 0.0	
ACSO	Alum Creek Sta	81.50 39 eP	P	03 17 56.7 -1.1	
ACSO	Alum Creek Sta	81.50 39 P	P	03 17 56.4 -1.3	
KOME	Kotleski	81.50 326 //P	P	03 17 56.4 -1.4	
MMNV	Mt. Morris Dam	81.51 34 eP	P	03 17 56.7 -1.0	
POI	Presque Isle	81.51 26 eP	P	03 17 56.3 -1.3	
RCY	Rachaya	81.51 310 eP	P	03 17 57.9 -0.2	
ALLY	Alegheny Colle	81.52 36 eP	P	03 17 57.0 -0.8	
ZEDA	zmir-Bergama	81.53 319 //P	P	03 17 57.8 -0.1	
ZEDA	zmir-Bergama	81.53 319 //P	P	03 17 57.8 -0.1	
BATV	Bathurst New B	81.54 24 eP	P	03 17 57.2 -0.6	
PHY	Plath	81.54 326 //P	P	03 17 56.8 -1.3	
QRWL	Qaraoun	81.55 310 eP	P	03 17 58.1 -0.1	
KNT	Kendrikon	81.55 323 eP	P	03 17 56.0 -2.0	
KNT	Kendrikon	81.55 323 P	P	03 17 56.2 -1.8	
KNT	Kendrikon	81.55 323 P	P	03 17 56.2 -1.8	
KNT	Kendrikon	81.55 323 P	P	03 17 56.2 -1.8	
GPNR	Gulpinar-Canak	81.56 320 eP	P	03 17 57.8 -0.2	
VAY	Valandovo	81.56 323 //P	P	03 17 57.4 -0.6	
KORT	Korkuelli	81.56 316 eP	P	03 17 57.1 -1.2	
KORT	Korkuelli	81.56 316 //P	P	03 17 58.2 -0.1	
N52A	McGinn's Farm,	81.57 38 P	P	03 17 56.9 -1.2	
MAMC	Mamari	81.58 317 eP	P	03 17 57.4 -0.8	
DENT	Denizli	81.59 313 eP	P	03 17 59.6 +1.3	
435B	Jarrell	81.60 54 eP	P	03 17 58.7 +0.2	
435B	Jarrell	81.60 54 P	P	03 17 57.9 -0.5	
AKDN	Akdeniz- Kibri	81.61 313 eP	P	03 18 00.9 +2.5	
LIA	Limnos Island	81.62 321 P	P	03 17 56.7 -1.6	
LIA	Limnos Island	81.62 321 P	P	03 17 56.7 -1.6	
WCI	Wyandotte Cave	81.63 42 eP	P	03 17 57.6 -0.9	
WCI	Wyandotte Cave	81.63 42 eP	P	03 17 57.6 -0.9	
GNAR	Gosnell	81.64 46 eP	P	03 17 58.6 +0.1	
HBAR	Harrisburg	81.64 46 eP	P	03 17 58.5 0.0	
SOH	Sokhos	81.64 323 P	P	03 17 56.4 -2.1	
SOH	Sokhos	81.64 323 P	P	03 17 56.4 -2.1	
KORH	Korkuelli	81.64 323 P	P	03 17 56.4 -2.1	
P50A	Jamestown	81.65 40 P	P	03 17 57.4 -1.1	
Q49A	Aurora	81.65 41 P	P	03 17 57.6 -0.9	
PRK	Paraskevi	81.67 320 P	P	03 17 57.8 -0.8	
PRK	Paraskevi	81.67 320 P	P	03 17 57.8 -0.8	
SHBL	Chebaa	81.67 310 eP	P	03 17 59.0 +0.1	
CSS	Mathiatis	81.68 313 eP	P	03 17 57.8 -0.9	
CSS	Mathiatis	81.68 313 P	P	03 17 59.6 +0.8	
CSS	Mathiatis	81.68 313 P	P	03 17 57.9 -0.9	
R48A	Northridge Ran	81.69 42 P	P	03 17 58.2 -0.5	
BCI	Bajram Curri	81.69 325 //P	P	03 18 01.8 +3.1	
O51A	Pataskala	81.73 39 P	P	03 17 57.7 -1.3	
NKY	Niksic	81.73 326 //P	P	03 17 57.5 -1.6	
NVLJ	Novajia	81.74 330 //P	P	03 17 56.9 -2.0	
L55A	Hinsdale	81.76 35 P	P	03 17 58.1 -1.0	
OUR	Ouranopolis	81.78 322 eP	P	03 17 58.3 -0.9	
OUR	Ouranopolis	81.78 322 eP	P	03 17 57.3 -1.9	
OUR	Ouranopolis	81.78 322 P	P	03 17 57.3 -1.9	
OUR	Ouranopolis	81.78 322 P	P	03 17 57.3 -1.9	
LEF	Lefka	81.78 313 //P	P	03 17 59.1 +1.1	
LEF	Lefka	81.78 313 //P	P	03 17 59.1 -0.2	
LEF	Lefka	81.78 313 //P	P	03 17 59.3 0.0	
NKME	Niksic	81.79 326 //P	P	03 17 57.5 -1.8	
T46A	Princeton	81.83 44 P	P	03 17 59.0 -0.5	
WLAR	White Oak Lake	81.83 49 eP	P	03 17 59.0 -0.5	
NCB	Newcomb	81.83 31 eP	P	03 17 58.3 -1.1	
BRY	Bratogost	81.83 327 //P	P	03 17 57.7 -1.9	
M54A	Oil Creek Stat	81.84 36 eP	P	03 17 58.3 -1.2	
M54A	Oil Creek Stat	81.84 36 P	P	03 17 58.2 -1.3	
TUE	Stuetta	81.84 334 eP	P	03 17 58.2 -1.5	
S47A	Harford	81.87 43 P	P	03 17 58.9 -0.8	
SIGR	SIGRI	81.88 320 eP	P	03 17 58.4 -1.3	
SIGR	SIGRI	81.88 320 P	P	03 17 57.6 -2.1	
SIGR	SIGRI	81.88 320 P	P	03 17 59.2 -2.1	
DRLN					



19d 3h

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like R50A Paris, FNA Florida, TURN Turunc, etc.

2013 APR

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like MCWV Mont Chateau, SM5A Simia, KSPA Keystone Colle, etc.

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Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like VBMS Vicksburg, NWAO Narrogin (SRO), BCX Boston College, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like KYTH, R58B, R58B, CBN, Z49A, W53A, KTHR, PYL, MKAZ, V54A, PRNS, X52A, TIP, CHAM, VAM, ANKY, S58A, SIVA, T57A, IMMV, Z50A, B53, V55A, 149A, S59A, W54A, X53A, Z51A, T58A, Y52A, V56A, 249A, GVD, 150A, TOZ, KMSC, X54A, Y53A, PAUL, V57A, T59A, Z52A, U58A, 250A, 250A, 151A, 349A, T60A, H56A, MARZ, CEL, X55A, HAZ, Y54A, GOGA, GOGA, GOGA, 152A, 152A, HIZ, HIZ, BRAL, BRAL, U59A, 251A, W57A, RUGZ, PKGZ, WMGZ, X56A, H01W3, H01W1, H01W2, URZ, URZ, JSC, JSC, 449A, Y55A, V59A, PUZ, PUZ, Z54A.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like 153A, MWZ, DWAR, 252A, 450A, W58A, RTZ, RTZ, Y56A, 351A, TBI, TBI, TBI, TBI, 253A, 253A, V60A, W59A, 154A, 154A, 352A, 352A, Y57A, X58A, CNNO, CNNO, BKZ, BKZ, Z56A, V61A, 155A, 451A, W60A, X59A, 452A, 254A, 353A, Y58A, Z57A, W61A, X60A, 156A, TIGA, TIGA, CLTB, 453A, 453A, 255A, 255A, Z58A, 157A, TAU, TAU, NHSC, NHSC, 552A, 552A, 256A, CSU, RGRS, 355A, 259A, 158A, 454A, 257A, 257A, 356A, 455A, BFZ, MAHO, MAHO, 357A, WDD, 554A, SNZO, THZ, 456A, 456A, 555A, 457A, 655A, 556A, PBRG, PBRG, KHZ.

Table with columns: Station ID, Name, Frequency, Power, Class, and other technical details. Includes stations like PGAV, PGAV, PGAV, PGAV, 557A, 656A, LVIG, DAMY, FOZ, 657A, POLO, POLO, MVO, MVO, UCM, UCM, OXZ, PVRL, PVRL, TLIG, RPZ, 658A, 658A, 757A, PTO, CMAH, CAEH, KEST, KEST, KEST, PVIS, PVIS, PVIS, 758A, ABSA, LBZ, ES06, ES06, ES06, ES06, 857A, MTE, MTE, MTE, CKFL, PAB, PAB, DFRA, CASM, COI, COI, COI, CTEI, DWPF, DWPF, DCZ, PCAS, PCAS, PCAS, PCBR, PCBR, 859A, CKHR, PMRV, PMRV, PTOM, PTOM, PTOM, SESP, 056A, CART, CART, 959A, ALMR, ALMR, ALMR, ALMR, PMTG, PMTG, PESTR, PESTR, PESTR, PESTR, PMAFR.

Table with columns for name, time, date, and other identifiers. Includes entries like Matias Romero, Mrida, 060A, EVO, etc.

Table with columns for name, time, date, and other identifiers. Includes entries like CMLA, PDA, PDA, PDA, etc.

Table with columns for name, time, date, and other identifiers. Includes entries like NORC, NORC, NORC, TOR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BOSA Boshof, QSPA South Pole Qui, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SNAEA Sanae, PMSA Palmer Station, VNA3 Neumayer Olym, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GRPR Tuman, GRPR 104nm.0.3s, GRPR 136nm.0.2s, etc.

Table with columns: Station, Name, Time, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various parameters like SNR, b, z, s, m, etc.

Table with columns: WRA, Warramunga Arr, 45.84 165, P, P, 04 12 55.7 -0.5, and various parameters like SNR, b, z, s, m, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various parameters like SNR, b, z, s, m, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like Kamakawa 2, Asahikawa, Severo-Kuril'sk, etc.

ISCJB 19 04:33:20.8;0.5, 45.97N;0.09;150.80E;0.09, h100km, mb3.8/19, Error ellipse: s-maj=14.9km s-min=3.5km az=143.3

IDC 19 04:33:22.7;2.2, 45.96N;150.64E, h106km, 20km, mb3.6/18, mb1 3.7/20, mb1mx3.6/32, mbtmp3.9/20, Error ellipse: s-maj=17.7km s-min=11.6km az=149.0

SKHL 19 04:33:22.0;0.5, 45.78N;150.93E, h126km, 5km, mb5.4/4, msh6.0/6

MOS 19 04:33:22.2;1.1, 45.96N;150.75E, h122km, mb4.6/1, Error ellipse: s-maj=15.2km s-min=8.8km az=54.8

JMA 19 04:33:24.0;0.4, 45.05N;150.83E, h121km, M3.9

ISC 19 04:33:20.9;0.6, 45.87N;0.09;150.94E;0.08, h100km, n55, z261/69, mb3.7/19, 1C-2D, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like Kuril'sk, Yuzh-Kuril'sk, etc.

Table with columns: JAK, Station Name, Time, Res, ISC, H, M, S, ISC. Includes stations like Akkeshi, Ashikawa, etc.

IDC 19 05:08:53.6;0.7, 56.33S;26.54W, h0km, mb4.2/8, mb1 4.3/9, mb1mx4.1/25, mbtmp4.1/9, ML3.7/1, Error ellipse: s-maj=27.9km s-min=17.4km az=62.0

ISCJB 19 05:09:02.2;1.7, 56.36S;0.07;26.71W;0.1, h77km, 16km, mb4.3/22, Error ellipse: s-maj=15.3km s-min=7.3km az=32.3

NEIC 19 05:09:02.2;1.5, 56.35S;26.68W, h59km, 6km, mb4.4/23, Error ellipse: s-maj=18.2km s-min=15.0km az=50.0

ISC 19 05:09:02.6;1.1, 56.35S;0.08;26.59W;0.08, h64km, 9km, n93, o#82/107, mb4.5/22, South Sandwich Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like Hope Point, Neumayer-Stat, etc.

Table with columns: Code, Station Name, Time, Res, ISC, H, M, S, ISC. Includes stations like IPOC Station P, ASCENSION HYDR48, etc.

TEH 19 05:12:11.7, 28.29N;51.70E, h4km, ML3.0, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like Kazeroun, Shiraz, etc.

IDC 19 05:29:40.8;3.4, 53.47N;90.53E, h0km, mb1 3.1/3, mb1mx3.0/38, mbtmp3.1/3, ML2.7/3, Error ellipse: s-maj=31.9km s-min=23.4km az=35.0

ASRS 19 05:29:32.3, 53.81N;91.00E, M2.9, 2C-2D, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, AzP+ CD-ROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like Zalesovo INFRA, Zalesovo Beam, etc.

NEIC 19 05:33:52.0;0.0, 16.27N;97.97W, h2km, MD4.0(MEX), After MEX.

MEX 19 05:33:52.0;0.5, 16.27N;97.97W, h2km, MD4.0, Oaxaca





Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CROM Cirque, MLY Manley, HDA Harding Lake, etc.

IDC 19 06:28:14.9.0.30.06S:69.18W, h0km, mb3.7/4, mb1.3/8.9, mb1mx3.7/28, mbmt3.6/9, ML3.3/5, Error ellipse: s-maj=31.9km s-min=12.6km az=67.0

SJA 19 06:28:17.8.0.8.30.26S:69.40W, h19km, 2km, ML3.6, MW4.2

GUC 19 06:28:18.2.0.0.7.30.45S:70.00W, h133km, 6km, ML3.9

ISC 19 06:28:19.2.0.5.30.24S:0.02:69.38W, 0.03, h13km, 4km, mb3.5/4, Error ellipse: s-maj=4.3km s-min=3.4km az=162.0

ISC 19 06:28:18.9.0.8.30.24S:0.02:69.37W, 0.02, h25km, 5km, n52, c=29/81, mb3.7/4, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AROD Rodeo, ACUV Cuesta del Vie, ACVV comp=Z,7.0m,0.3s, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MRA San Martin, TCA Tanti, TCA TCA, etc.

ISCJB 19 06:35:46.7.0.4.27.47N:0.06:87.96E:0.05, h10km, mb4.1/18, Error ellipse: s-maj=10.2km s-min=3.6km az=34.2

IDC 19 06:35:46.7.0.8.27.40N:87.91E, h0km, mb3.8/13, mb1.3/9.15, mb1mx3.7/63, mbmt3.7/15, ML3.8/1, Error ellipse: s-maj=32.3km s-min=16.0km az=53.0

NDI 19 06:35:48.1.2.4.27.45N:87.85E, h10km, ML3.5

NEIC 19 06:35:53.0.2.1.27.33N:87.85E, h47km, 9km, mb4.2/6, Error ellipse: s-maj=12.9km s-min=12.9km az=59.0

ISC 19 06:35:48.4.0.6.27.46N:0.07:87.98E:0.05, h10km, n40, c=133/49, mb4.0/18, Nepal

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GTK Tadong, DHUB DHUBRI, TURI Tura, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TXAR 0.1nm,0.3s,baz=212,slow=14,SNR=4.7, NVAR Mila Array Bay, etc.

SOME 19 07:04:24.3.4.1.73N:78.17E, h15km, NNC 19 07:04:24.3.0.9.41.74N:78.14E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=6.1km s-min=3.5km az=172.0, Suspected Mining explosion.

ISC 19 07:04:21.9.1.9.41.63N:0.09:78.06E:0.03, h0km, n30, c=1913/48, 4C-40, Kyrgyzstan-Xinjiang border region

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

ISCJB 19 07:26:27.9.1.5.32.47S:0.05:72.0W:0.1, h5km, 16km, Error ellipse: s-maj=20.7km s-min=5.4km az=164.3

SJA 19 07:26:28.6.1.2.32.52S:71.62W, h28km, 6km, ML2.7, MW2.9

GUC 19 07:26:30.9.0.7.32.32S:71.62W, h25km, 6km, ML2.6

19d 8h

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ROCC1 El Roble, PEL Peidehue, CLCH Cerro Calan, ANTU Antumapu, LMEI Las Melosas, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAL Salagasta, AAGR Agrelo, ACCO Cerro Coronel, ARCO CERRO ARCO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, RPZ Rata Peaks, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CAHU Cacacuatico, VICT Victoria, RCN San Juan de Ri, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LBRS Las Brisas, CSGN Cosiguina Volc, LFRS El Faro, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, SDV Santo Domingo, TXAR Lajas Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, NVAR Mina Array, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, IDC 19 07:48:49.8, NEIC 19 07:48:53.0, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MGD Makushin Gods, OKTU Okmok Mt. Tuli, MSW Makushin Switc, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SVWZ Sparvevoh, RSO Redoubt South, HMO Homer, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like COLA College, HDA Hardin Lake, ILI Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BALM Baldy, RIDG Independent Rid, MENT Mentasta, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DOT Dotted Lake, SCRK Sand Creek, BCPM Bancas Point, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EGAG Eagle, HYT Haines Junction, DAWY Dawson, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IDC 19 07:49:33.5, IDC 19 07:49:33.5, IDC 19 07:49:33.5, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARSA Arzberg, MOA Mollin, MOA Mollin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BEO 19 07:54:31.9, THE 19 07:54:32.9, TIR 19 07:54:32.6, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VLO Viora, TPE Tepelena, TIR Tirane, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BIA Florida, FNA Florida, IGT Igoumenitsa, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KRUS Krusevo, JPRO Janina, KPRO Kipro, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MATE Matera, SG1 Sgolygra (BA), SG1 Sgolygra (BA), etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANX Anc Chvora, SERG Sergoula, TRIZ Trizona, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HAPS Han Pijesak, TRUS Trudelj, ZAGS Zajecar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IDC 19 08:04:09.1, IDC 19 08:04:09.2, NEIC 19 08:04:11.3, etc.











Table with columns: Station, Time, Frequency, Mode, and other parameters. Includes stations like PUKETITI, Tauranga, Ohineparea, etc.

Table with columns: Station, Time, Frequency, Mode, and other parameters. Includes stations like Charters Tower, RABUL, COB Meteor, etc.

Table with columns: Station, Time, Frequency, Mode, and other parameters. Includes stations like Pilsara Seismi, Ternate, Sanana, etc.







Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Podgorica, Florida, FNA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MUM, MUSM, MUSE, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like OUF, NAO01, NAO02, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Lidau, Yuli, Yulb, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MOR, MOR8, MOR9, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like FIAO, FIAO2, FIAO3, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ISK, ISKCB, DDA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BURU, BURU2, BURU3, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HJA, HJA2, HJA3, etc.









Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like WMQ, VNA2, VNA3, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like KLMR, SNA2, VNA3, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like KTBS, TNSS, KRNTE, etc.

19d 13h

Table with columns: ARXS, Arhaly, 4.43 22 eP, Pb, 12 16 21.3 +2.4, etc.

IDC 19 12:22:21.4+1.0, 7.25S, 109.88E, h0km, mb3.7/5, mb1 3.9/6, mb1mx3.6/43, mbtmp3.7/6, ML3.1/1, MS3.4/1, Ms1 3.4/1, ms1mx2.6/50, Error ellipse: s-maj=33.6km s-min=14.0km az=25.0

ISCJB 19 12:22:23.0+0.6, 7.35S, 109.87E, 0.03, h21km, 6km, mb3.6/5, Error ellipse: s-maj=9.5km s-min=4.5km az=10.0

DJA 19 12:22:23.2+0.2, 7.54S, 111.0E, h10km, M3.5/9, MLv3.5/9, ISC 19 12:22:21.3+1.6, 7.31S, 109.86E, 0.03, h3km, 12km, n17, c1515/23, mb3.8/5, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, SMRI, Semarang, 0.61 65 Op, P, Pb, 12 22 35.2 +0.5, etc.

IDC 19 12:55:27.9+1.0, 23.54N, 123.94E, h0km, mb3.6/8, mb1 3.7/7, mb1mx3.5/61, mbtmp3.6/7, ML2.8/1, MS3.6/8, Ms1 3.6/8, ms1mx3.1/47, Error ellipse: s-maj=42.2km s-min=19.4km az=70.0

ISCJB 19 12:55:30.5+1.2, 23.45N, 124.17E, 0.05, h29km, 7km, mb3.5/6, MS3.7/6, Error ellipse: s-maj=9.1km s-min=6.9km az=100.2

JMA 19 12:55:30.4+0.3, 23.44N, 124.19E, h30km, 4km, M3.1, ISC 19 12:55:30.2+0.7, 23.54N, 124.16E, 0.05, h15km, 24km, n26, c074/28, mb3.5/6, MS3.7/6, Southwestern Ryukyus Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, HATJ, Hateruma jima, 0.61 328 P, Pn, 12 55 43.7 -0.6, etc.

ATH 19 12:57:09.4, 37.34N, 20.70E, h26km, 2km, ML2.0/5, Error ellipse: s-maj=3.6km s-min=1.7km az=50.0, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, KFL, Anninata, 0.77 5 Op, P, Pb, 12 57 24.5 -0.1, etc.

2013 APR

Table with columns: VLS, comp=E, 277um, 0.1s, AML, AML, 12 57 42.6, etc.

ISC 19 12:21:28.0+1.2, 44.56N, 0.06, 15.50E, 0.04, h4km, 13km, n13, c098/20, Northwesten Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, UDBI, Udbina, 0.91 101 Op, P, Pb, 13 01 31.7 0.0, etc.

IDC 19 13:02:39.7+4.8, 2.60S, 139.18E, h0km, mb3.2/2, mb1 3.3/3, mb1mx3.2/32, mbtmp3.2/3, ML3.1/1, Error ellipse: s-maj=193.4km s-min=29.2km az=87.0, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, WRA, Warramunga Arr, 17.87 195 Op, P, Pb, 13 06 49.7 -0.3, etc.

RSNC 19 13:03:07.1+8.4, 4.58N, 76.10W, h107km, 32km, ML4.2, Mw4.3

ISCJB 19 13:03:14.3+0.2, 4.59N, 0.02, 76.10W, 0.02, h80km, 3km, mb3.9/15, Error ellipse: s-maj=3.9km s-min=2.7km az=24.4

IDC 19 13:03:17.4+1.3, 4.52N, 75.91W, h99km, 11km, mb3.7/15, mb1 3.9/18, mb1mx3.8/34, mbtmp4.1/18, MS3.4/4, Ms1 3.4/4, ms1mx2.9/39, Error ellipse: s-maj=14.0km s-min=11.6km az=64.0

ISC 19 13:03:14.3+0.7, 4.57N, 0.03, 76.09W, 0.03, h66km, 6km, n70, c159/96, mb3.9/15, 7C-14D, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, PLMC, San Jos del P, 0.39 330 Op, P, Pb, 13 03 35.2 +0.9, etc.

SC 19 13:03:29.2+0.6, 1.36 246 eS, Pn, 13 03 39.9 +2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ROSC, El Rosal, 1.79 81 P, Pn, 13 03 45.9 +2.6, etc.

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Table with columns: PCON, comp=Z, 1um, 0.8s, Pn, 13 03 51.5 +1.8, etc.

IDC 19 13:06:33.8+1.2, 31.80N, 50.94E, h0km, mb3.8/12, mb1 4.0/15, mb1mx3.8/48, mbtmp3.8/15, ML3.6/4, MS3.0/4, Ms1 3.0/4, ms1mx2.8/50, Error ellipse: s-maj=27.1km s-min=16.1km az=171.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ZARZ, Zaragoza, 3.15 23 eP, Pn, 13 04 03.8 +2.2, etc.

THR 19 13:06:35.4, 31.75N, 50.96E, h15km, ML3.4
TEH 19 13:06:35.5, 31.86N, 50.94E, h10km, ML3.6
ISCJB 19 13:06:37.0, 0.5, 31.86N, 0.05, 51.00E, 0.04, h18km,
mb3.7/12, MS2.9/1, Error ellipse: s-maj=7.0km

ISC 19 13:06:36.3, 0.6, 31.87N, 0.04, 51.05E, 0.03, h18km, n60,
c=238/60, mb3.6/12, Northern and central Iran

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

ISCJB 19 13:28:55.4, 0.3, 65.87N, 0.05, 9.74W, 0.05, h10km,
mb3.5/11, MS3.7/2, Error ellipse: s-maj=6.7km

ISC 19 13:28:57.0, 0.8, 65.87N, 9.98W, h0km, mb3.4/10,
mb1 3.7/17, mb1mx3.5/6/1, mbtmp3.6/17, ML2.8/5, MS3.7/2,
Ms1 3.7/2, ms1mx2.6/4/5, Error ellipse: s-maj=20.0km

BER 19 13:29:00.5, 2.8, 65.96N, 10.03W, h10km, ML3.1, MW3.4,
ML3.1 (NAO)

NAO 19 13:29:06.2, 8.5, 66.59N, 6.95W, ML3.1
ISC 19 13:28:57.9, 0.5, 65.87N, 0.05, 9.81W, 0.05, h10km, n56,
c=181/66, mb3.5/11, Norwegian Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC. Lists seismic stations for the Norwegian Sea event.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC. Lists seismic stations for the 2013 APR event.

ISC 19 13:36:24.1, 90.4, 50.86N, 50.77E, h0km, Error ellipse:
s-maj=438.0km s-min=103.2km az=91.0, Western Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC. Lists seismic stations for the Western Kazakhstan event.

ISC 19 13:47:29.4, 5.5, 20.66N, 122.60E, h0km, mb3.2/3,
mb1 3.4/3, mb1mx3.1/5/3, mbtmp3.2/3, MS3.2/1, Ms1 3.2/1,
ms1mx2.5/1/8, Error ellipse: s-maj=414.6km

s-min=26.6km az=61.0, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC. Lists seismic stations for the Philippine Islands event.

ISC 19 13:57:28.2, 0.1, 39.32N, 74.69E, mb3.5
SOME 19 13:57:30.7, 39.87N, 74.20E, h15km

ISCJB 19 13:57:31.8, 0.9, 39.33N, 0.05, 74.69E, 0.04, h33km, Error
ellipse: s-maj=7.0km s-min=4.5km az=159.8

NINC 19 13:57:33.3, 3.3, 39.82N, 74.71E, h0km, mb3.8, mpv3.4,
Error ellipse: s-maj=23.0km s-min=16.2km az=175.0

ISC 19 13:57:33.2, 2.1, 39.76N, 0.07, 74.61E, 0.03, h5km, 9km,
n47, c=151/72, 32C-13D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC. Lists seismic stations for the Southern Xinjiang event.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, ISC. Lists seismic stations for the 19d 13h event.



Table with columns: Station Name, Az, Az', Pn, Res. Lists stations like OPRZ Ohinepanea, HLRZ Highlands Stat, HSRZ Hossack Road, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CHQJ Chosi, MAJO Matushiro, JIHM Itakohmouch, etc.

Table with columns: Station Name, Az, Az', Pn, Res. Lists stations like LZH comp=2.65nm,4.3s, LZH comp=N,490nm,13.0s, etc.

NIED 19 14:11:05.70N,140.90E,h14km,Mw4.3 Best double couple: M3.330000,1015 NP13,178.00000, 836.00000, lambda=108.00000, NP2=20.00000, lambda=85.00000, lambda=77.00000

LZH Lanzhou 29.92 282 eP P 14 17 17.8 +2.2 LZH sP 14 17 29.8 +6.5 LZH sP 14 17 39.5 +1.8 LZH sP 14 18 10.9 -1.0

IL1 Eielson Array 50.85 32 eP P 14 20 08.5 +0.7 ILAR Eielson Array 50.85 32 eP P 14 20 08.7 +0.9 BRVK Borovoye 51.24 313 eP P 14 20 11.1 +0.2 BRVK Borovoye 51.24 313 iP P 14 20 11.2 +0.2



Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like CM01 Chiang Mai Arr, KIRV Kirov, ANN Anapa, etc.

KRNET 19 14:47.0.1.0, 40.86N:72.19E, h17km, mb3.2
NNC 19 14:47.0.9.3.3, 40.77N:72.43E, h0km, mb3.6, mpv3.2
Error ellipse: s-maj=32.4km s-min=15.6km az=173.0

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like ARSB Arslanbob, ARK Arkit, BTK Batken, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like TAS Tashkent, AAK Ala-Archa, FRU1 Bishkek, etc.

ISCJB 19 14:52.01.3.1.1, 22.31S:0.09:29.1E:0.1, h10km, Error ellipse: s-maj=15.7km s-min=12.6km az=165.5

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like MSNA Messina, MATP Matopo, BLWY Bulawayo, etc.

MEX 19 15:35.38.6.0.7, 15.91N:97.25W, h15km, 3km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like PNIG Pinotepa, HUIG Huatulco, etc.

NIED 19 15:48:00.35:20N:137.60E, h44km, Mw3.8 Best double couple: M=6.47000e+10, NP1=177.00000, delta2.00000, lambda=85.00000, NP2=365.10000, delta2.00000, lambda=93.00000

ISCJB 19 15:48:00.6:0.4, 35:19N:0:04:137:54E:0:04, h62km, 4km, mb3.5/2, Error ellipse: s-maj=7.3km s-min=6.1km az=173.6

JMA 19 15:48:41.8, 35:23N:137:56E, h49km, M3.9 Broadband fault plane solution: P waves, NP1=346.00000, delta9.00000, lambda=104.00000, NP2=202.00000, delta25.00000, lambda=57.00000. Principal axes: T Plg23.0000, Azm87.0000, N Plg13.0000, Azm351.0000, P Plg63.0000, Azm234.0000

JMA Felt II J1, IDC 19 15:48:42.3:1.7, 35:20N:137:56E, h65km, 15km, mb3.3/8, m1 3.4/1, m1mx3.3/46, mbtmp3.6/11, MS2.8/3, Ms1 2.8/3, ms1mx2.6/23, Error ellipse: s-maj=19.2km s-min=13.1km az=140.0

ISC 19 15:48:41.3:0.8, 35:19N:0:05:137:56E:0:04, h51km, 6km, n24, c094/30, mb3.5/8, 3C-2D, Eastern Honshu

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like JYWZ Yoshizawa, JAO Obara, JNY Yasuok, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like MKAR Makanchi Array, ILAR Eielson Array, WRA Warrungarra Arr, etc.

IDC 19 15:49:58.5:9.9, 16:32S:175:40W, h352km, 82km, mb3.2/4, mbl 3.1/25, m1mx3.0/56, mbtmp3.9/55, Error ellipse: s-maj=151.2km s-min=37.4km az=138.0, Tonga Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warrungarra Arr, etc.

IDC 19 15:55:22.5:2.0, 19:47S:166:73E, h0km, mb4.0/4, mbl 3.7/2, m1mx3.0/27, Error ellipse: s-maj=39.0km s-min=28.6km az=94.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warrungarra Arr, ASAR Alice Springs, etc.

ISCJB 19 15:58:52.7:0.7, 3:01S:0:08:100:04E:0:10, h10km, mb4.1/14, MS3.6/1, Error ellipse: s-maj=17.5km s-min=5.7km az=139.2

IDC 19 15:58:54.0:2.1, 2:96S:100:18E, h0km, mb4.0/8, mbl 4.1/9, m1mx3.9/40, mbtmp4.1/9, ML3.9/1, MS3.6/1, Ms1 3.5/1, ms1mx2.6/34, Error ellipse: s-maj=77.3km s-min=16.2km az=56.0

NEIC 19 15:58:58.5:0.8, 2:99S:100:13E, h35km, mb4.3/6, Error ellipse: s-maj=20.8km s-min=7.3km az=53.0

ISC 19 15:58:54.3:1.0, 3:15S:0:10:100:0E:1.0, h10km, n36, c093/31, mb4.3/14, Southwest of Sumatra

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like MNAI Manna, GNIG Gunungtinggi, PSI Prapat, etc.

H0S2 Diego Garcia H 34.72 259 T T 16 33 47.9

H0S3 Diego Garcia H 27.73 260 T T 16 33 47.9

H0S1 Diego Garcia H 27.74 259 T T 16 33 51.5

FITZ Fitzroy Crossi 29.24 122 P P 16 04 58.0 +1.3

H01W3 Cape Leeuwin H 34.27 159 T T 16 41 48.4

H01W2 Cape Leeuwin H 34.28 159 T T 16 41 49.1

H01W1 Cape Leeuwin H 34.28 159 T T 16 41 49.9

WR1 Warrungarra Arr 37.48 119 P P 16 06 07.9 -0.6

ASAR Alice Springs 38.65 125 P P 16 06 18.3 -0.1

AS31 Alice Springs 38.65 125 P P 16 06 18.3 -0.1

STKA Stephens Creek 48.46 131 LR 16 29 51.6

SONA Songino Array 51.02 6 P P 16 07 57.4 +0.7

KRSC 19 16:06:28.4:10.0, 50:79N:157:27E, h107km, 10km, ML3.6, Kuril Islands

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









19d 17h

Table with columns: Station, Name, Time, Status, and other details. Includes stations like Kambalada, Forrest, Pagadian, Musuan, Manna, Dabo, Geniem, Bataraza, Coen, Narrogin, etc.

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Table with columns: Station, Name, Time, Status, and other details. Includes stations like Stephens Creek, DLV, GSI, MANU, Baler, Santa Cruz, Tuntunan, Bolinao, Songkhla, Koci, CAU, etc.

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Table with columns: Station, Name, Time, Status, and other details. Includes stations like Yonaguni jima, Chin-men Tao, Yeheng, Sukthoai, Taipei, Quanzhou, etc.





SBA	comp=Z,2um,19.0s	69.71 171	eP	P	18 02 50.8 +0.8
SBA	comp=Z,98nm,1.1s			MLR	MLR
SBA	comp=Z,2um,19.0s			MLR	MLR
USP	Ospenovka SNR=70	69.76 325	P	P	18 02 51.6 +0.7
BOD	Bodaibo	69.77 356	eP	P	18 02 51.6 +1.1
BOD	comp=Z,290nm,1.1s				
EKS2	Erkin-Say SNR=92	69.78 324	P	P	18 02 52.0 +0.8
JLN	Jalan Bani Buh SNR=8.5	69.78 299	P	P	18 02 51.9 +0.4
SGDS	Sogindy comp=Z,105nm,1.3s	69.80 325	i/P	P	18 02 51.6 +0.4
SGDS	comp=Z,63nm,5.3s			eS	S
BTK	Batken comp=Z,94nm,1.0s	69.95 321	eP	P	18 02 52.8 +0.6
BTK	comp=Z,2um,19.0s			ePP	LR
BTK	Batken	69.95 321	eP	P	18 02 52.8 +0.6
BTK	comp=Z,94nm,1.0s				MLR
BTK	comp=Z,2um,19.0s				MLR
DQM	DQM SNR=7.3	70.59 296	P	P	18 02 57.3 +0.9
DQM	SNR=7.3				P
MHTO	MHTO SNR=14	70.59 297	P	P	18 02 56.7 +0.3
MHTO	SNR=14				P
WSAR	Wadi Sarin comp=Z,21nm,0.6s,baz=137,slow=5.1,SNR=32	70.87 300	P	P	18 02 59.0 +1.0
WSAR	Wadi Sarin SNR=17	70.87 300	P	P	18 02 59.1 +1.0
BTLS	Baital	71.15 326	d/P	P	18 02 59.2 -0.1
BTLS	comp=Z,61nm,1.4s			eS	S
BTLS	comp=Z,586nm,25.0s				MLR
BTLS	Baital	71.15 326	i/P	P	18 02 59.2 -0.1
BTLS	comp=Z,62nm,1.4s			eS	LR
BTLS	comp=Z,586nm,25.1s				S
MIDW	Midway comp=Z,106nm,0.7s	71.17 55	eP	P	18 02 59.2 -0.6
SMDO	Samad SNR=7.4	71.29 299	P	P	18 03 02.3 +1.6
DZA	Taraz	71.33 323	eP	P	18 02 59.1 -1.4
DZA	comp=Z,19nm,1.3s				MLR
DZA	Taraz comp=Z,19nm,1.3s	71.33 323	eP	P	18 02 59.1 -1.4
BIDO	Bidbid SNR=29	71.40 300	P	P	18 03 02.4 +1.1
BIDO	SNR=29				P
ABPO	Ambohpanom comp=Z,17nm,0.8s	71.65 254	eP	P	18 03 03.4 +0.3
ABPO	comp=Z,2um,20.0s			LR	LR
ABPO	Ambohpanom	71.65 254	eP	P	18 03 03.4 +0.3
ABPO	comp=Z,17nm,0.8s				MLR
ABPO	comp=Z,2um,20.0s				MLR
IUG	Iuzhny	71.66 322	d/P	P	18 03 03.4 +0.8
IUG	comp=Z,96nm,1.1s				MLR
IUG	Iuzhny	71.66 322	i/P	P	18 03 03.5 +0.8
PEA0B	Petrovavovsk comp=Z,56nm,1.1s	71.73 22	eP	P	18 03 02.9 +0.3
PEA0B	comp=Z,297nm,1.4s				P
PETK	Petrovavovsk comp=Z,59nm,1.1s	71.73 22	eP	P	18 03 04.7 +2.1
PETK	comp=Z,59nm,1.1s				P
PETK	Petrovavovsk comp=Z,59nm,1.1s	71.73 22	eP	P	18 03 03.6 +1.0
OPO	Ambohpanom comp=Z,7.3nm,0.6s,baz=93,slow=3.3,SNR=11	71.74 254	P	P	18 03 04.8 +1.2
SEM	Semipalatinsk comp=Z,168nm,1.6s	71.82 334	eP	P	18 03 03.4 -0.1
SEM	Semipalatinsk comp=Z,168nm,1.6s	71.82 334	eP	P	18 03 03.4 -0.1
KK31	Karatay Array comp=Z,58nm,1.1s	71.94 323	eP	P	18 03 04.5 +0.3
KK31	Karatay Array comp=Z,58nm,1.1s	71.94 323	eP	P	18 03 04.5 +0.3
KK31	Karatay Array comp=Z,58nm,1.1s	71.94 323	eP	P	18 03 04.5 +0.3
KKAR	Karatay Array comp=Z,58nm,1.1s	71.94 323	eP	P	18 03 04.5 +0.3
KKAR	Karatay Array comp=Z,58nm,1.1s	71.94 323	eP	P	18 03 04.5 +0.3
PET	Petrovavovsk comp=Z,58nm,1.1s	72.01 22	eP	P	18 03 04.8 +0.5
PET	Petrovavovsk comp=Z,226nm,1.3s	72.01 22	eP	P	18 03 03.2 -1.1
PET	Petrovavovsk	72.01 22	eP	P	18 03 19.2
PET	comp=Z,118nm,1.3s			eS	S
PET	comp=Z,118nm,1.3s				MLR
PET	comp=Z,600nm,12.0s				MLR
HOQ	Hoqain	72.12 300	P	P	18 03 07.4 +1.8
ZAA0	Zalesovo Array comp=Z,196nm,0.6s	72.69 338	eP	P	18 03 07.8 -0.6
ZAA0	comp=Z,1um,20.0s				LR
ZALV	Zalesovo Beam comp=Z,76nm,0.7s,baz=144,slow=4.5,SNR=146	72.69 338	eP	P	18 03 09.0 +0.7
ZALV	comp=Z,10nm,0.9s,baz=132,slow=6.4,SNR=4.0				LR
ZALV	comp=Z,1um,20.0s				LR
ZALV	Zalesovo Beam comp=Z,76nm,0.7s,baz=144,slow=4.5,SNR=146	72.69 338	eP	P	18 03 08.7 +0.4
ZALV	comp=Z,10nm,0.9s,baz=132,slow=6.4,SNR=4.0				LR
ZALV	comp=Z,1um,20.0s				LR
ZALV	Zalesovo Beam comp=Z,76nm,0.7s,baz=144,slow=4.5,SNR=146	72.69 338	eP	P	18 03 08.7 +0.4
ZALV	comp=Z,10nm,0.9s,baz=132,slow=6.4,SNR=4.0				LR
ZALV	comp=Z,1um,20.0s				LR
RBK	Rabkut	72.74 293	P	P	18 03 09.8 +0.3
KURK	Kurchatov comp=Z,205nm,1.1s	72.76 333	eP	P	18 03 08.8 0.0
KURK	comp=Z,3um,22.0s				LR
KURK	Kurchatov	72.76 333	eP	P	18 03 08.8 0.0
KURK	comp=Z,205nm,1.1s				MLR
KURK	comp=Z,3um,22.0s				MLR
KURK	Kurchatov SNR=103	72.76 333	P	P	18 03 09.5 +0.7
KURK	SNR=103				P
SOHO	SNR=24	72.98 300	P	P	18 03 11.2 +0.5
HATD	Hatta, Dubai SNR=11	73.58 300	i/P	P	18 03 15.4 +1.1
HATD	Hatta, Dubai SNR=9.1	73.58 300	P	P	18 03 15.2 +1.0
HATD	SNR=9.1				P
ASHO	SNR=9.1	73.59 300	i/P	P	18 03 15.3 +0.9
ASHO	SNR=20	73.59 300	P	P	18 03 15.1 +0.8
ASHO	SNR=15				P
ASHO	SNR=15				P
MDH	Madha	73.61 301	P	P	18 03 14.4 0.0
ALNE	Al Ain SNR=20	73.62 300	i/P	P	18 03 15.1 +0.6
JOHN	Johnston Island comp=Z,361nm,1.3s	73.72 69	eP	P	18 03 15.3 +0.2
MSFE	Esm-Masafi SNR=6	73.75 301	i/P	P	18 03 16.5 +1.2
NVS	Novosibirsk	73.97 338	i/P	P	18 03 16.2 +0.4
NVS	comp=E,50nm,1.0s				SKIPP
NVS	comp=E,50nm,1.0s				MLR

NVS	comp=Z,98nm,1.0s				
NVS	comp=N,34nm,0.8s				MLR
NVS	comp=N,19nm,1.8s				MLR
NVS	comp=E,44nm,1.7s				MLR
YAK	Yakutsk	73.97	4d/P	P	18 03 16.5 +0.8
YAK	comp=Z,823nm,0.9s				ePP
YAK	comp=N,493nm,1.1s				eS
YAK	comp=E,26nm,0.9s				eS
YAK	comp=N,494nm,2.2s				eS
YAK	comp=E,741nm,2.0s				eS
FAQ	Al Faqa, Dubai SNR=47	74.00 300	i/P	P	18 03 17.6 +0.8
FAQ	Al Faqa, Dubai SNR=23	74.00 300	P	P	18 03 17.5 +0.8
FAQ	SNR=23				P
SHME	Shamm	74.03 302	i/P	P	18 03 18.0 +1.1
NAZ	Nazwa, Dubai SNR=9	74.03 300	i/P	P	18 03 17.7 +0.8
NAZ	Nazwa, Dubai SNR=13	74.03 300	P	P	18 03 17.5 +0.6
OTUK	Ortayu	74.11 328	P	P	18 03 18.2 +1.3
OTUK	comp=Z,204nm,1.4s				MLR
ASUD	Al Ashush, Dub SNR=16	74.18 300	i/P	P	18 03 19.0 +1.1
ASUD	Al Ashush, Dub SNR=9.1	74.18 300	P	P	18 03 18.9 +1.1
ASUD	SNR=9.1				P
AJN	Ajban SNR=1	74.45 300	i/P	P	18 03 20.3 +1.0
AJN	Ajban SNR=1	74.45 300	P	P	18 03 19.8 +0.4
AJN	SNR=1				P
AJN	SNR=1				P
MA2	Magadan comp=Z,49nm,0.8s,baz=192,slow=6.4,SNR=13	75.01 15	P	P	18 03 23.7 +1.9
MA2	Magadan comp=Z,135nm,0.9s	75.01 15	eP	P	18 03 23.5 +0.7
MA2	Magadan	75.01 15	eP	P	18 03 23.4 +1.6
BRZS	Berezinski comp=Z,159nm,1.3s	75.05 330	d/P	P	18 03 23.1 +0.9
BRZS	comp=N,112nm,3.4s				eS
BRZS	Berezinski comp=N,912nm,2.3s	75.05 330	i/P	P	18 12 56.6 -2.3
BRZS	comp=N,112nm,3.4s				eS
RAR	Rarotonga comp=Z,2um,21.7s,baz=293,slow=33	75.23 109	LR	LR	18 33 28.5
RAR	Rarotonga comp=N,191nm,1.2s	75.23 109	eP	P	18 03 23.2 -0.8
RAR	Rarotonga	75.23 109	eP	P	18 03 23.2 -0.8
RAR	comp=Z,191nm,1.2s				MLR
SYO	Syowa Base SNR=1	76.12 202	i/P	P	18 03 26.6 -1.5
SYO	Syowa Base SNR=1	76.12 202	i/P	P	18 03 38.4 -1.8
GEYT	Alibeck comp=Z,93nm,1.1s,baz=177,slow=4.2,SNR=83	77.34 313	P	P	18 03 37.4 +1.8
GEYT	comp=Z,738nm,19.6s,baz=115,slow=40				P
GYA0B	ALIBECK ARRAY comp=Z,187nm,1.3s	77.34 313	LR	LR	18 03 36.4 +0.8
GYA0B	comp=Z,1um,22.0s				LR
BVAR	Borovoye Array comp=Z,1um,21.9s,baz=134,slow=39	78.09 331	LR	LR	18 42 14.7
QSPA	South Pole Qui comp=Z,91nm,1.0s	78.10 180	eP	P	18 03 39.5 +1.0
QSPA	comp=Z,4um,19.0s				LR
BRVK	Borovoye comp=Z,260nm,1.7s	78.16 331	eP	P	18 03 39.2 -0.5
BRVK	comp=Z,1um,21.0s				LR
BRVK	Borovoye comp=Z,260nm,1.7s	78.16 331	eP	P	18 03 39.3 -0.5
BRVK	comp=Z,1um,21.0s				MLR
BRVK	Borovoye SNR=46	78.16 331	P	P	18 03 40.6 +0.8
BRVK	SNR=46				P
SEY	Seymchan comp=Z,44nm,0.8s,baz=204,slow=4.2,SNR=56	78.31 14	P	P	18 03 42.2 +1.8
SMY	Shemya comp=Z,161nm,1.0s	78.46 29	eP	P	18 03 41.0 -0.4
SMY	Shemya comp=Z,161nm,1.0s	78.46 29	eP	P	18 03 41.0 -0.4
DAMY	Dhamar comp=Z,98nm,0.8s	80.94 287	eP	P	18 03 57.0 +0.9
DAMY	comp=Z,800nm,19.0s				LR
AB31	Akbulak array comp=Z,175nm,1.1s	81.44 324	P	P	18 03 58.4 +0.8
AB31	comp=Z,298nm,1.4s				MLR
ABKAR	Akbulak array comp=Z,298nm,1.4s	81.44 324	eP	P	18 03 57.7 +0.1
ATD	Arta Tunnel comp=Z,66nm,1.1s	81.64 284	eP	P	18 04 01.1 +1.5
ATD	comp=Z,800nm,20.0s				LR
ATD	Arta Tunnel	81.64 284	P	P	18 04 01.1 +1.5
KIWB	Kanaga Island	82.43 33	eP	P	18 04 02.1 -0.7
ADK	Adak comp=Z,366nm,2.0s	82.70 33	eP	P	18 04 02.8 -1.4
ADK	Adak comp=Z,366nm,2.0s	82.70 33	eP	P	18 04 02.8 -1.4
AKTO	Aktubinsk comp=Z,174nm,0.7s,baz=113,slow=6.2,SNR=441	83.10 325	P	P	18 04 07.5 +1.2
TIXI	Tiksi comp=Z,13nm,0.5s,baz=159,slow=4.6,SNR=80	83.51 2	eP	P	18 04 08.3 +0.4
TIXI	comp=Z,116nm,1.2s				P
TIXI	comp=Z,1um,21.0s				LR
TIXI	Tiksi	83.51 2	eP	P	18 04 07.8 -0.2
TIXI	comp=Z,116nm,1.2s				MLR
TIXI	comp=Z,1um,21.0s				MLR
ATKA	Atka Island comp=Z,91nm,1.3s	84.20 34	eP	P	18 04 12.2 +0.3
KMBO	Kilima Mboogo comp=Z,6.7nm,0.6s,baz=66,slow=6.2,SNR=30	84.30 270	P	P	18 04 15.0 +1.3
KMBO	comp=Z,118nm,1.7s				P
KMBO					



Table with columns for call sign, name, frequency, mode, and other details. Includes entries like PSZ Piszkesteto, SKAG Skagway, PDG Podgorica, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like ABTA Abfalterbach, GRA1 Grafenberg, WATA Watterberg, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like AFDM Forest Hills D, MOD Modoc Plateau, C09A Chrisman Ranch, etc.



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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like GRAC Grapevine Rang, MPMC Manual Prospec, BFSC Mount Baldy Ra, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like W18A Petrified Fore, H5IG Petrified Fore, VPV1 Paradox Valley, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like SCIA Junction City, LCO Las Campanas, LCO Las Campanas, etc.

Table with columns: WCI, Wyandotte Cave, 143.83, 39, PFAKE, LR, 18 11 30.0 +1.0, etc. Includes stations like Oxford, Fartura, IPOC Station P, Waverly, etc.

Table with columns: CPCT, Cooper Cave, 146.67, 41, PFAKE, LR, 18 11 30.0 +4.3, etc. Includes stations like Keystone Colle, Comitan, Calhoun, etc.

Table with columns: TEIG, Tepich, 150.11, 70, PFAKE, LR, 18 11 40.0 +1.8, etc. Includes stations like Hazelhurst, La Paz, etc.

MEX 19 18:06:08.4.0.5, 16'00N:97'66W, h16km, 7km, MD3.7, Near coast of Oaxaca

IDC 19 18:10:16.6:2.5, 39°30'N:143°85'E, h0km, mb3.3/3, mb1.3/4.5, mb1mx3.2/5.1, mbtmp3.3/5, ML2.6/2, Error ellipse: s-maj=60.2km s-min=25.2km az=83.0

JMA 19 18:10:19.1:0.3, 40°00'N:143°61'E, h18km, M3.2

ISCJTB 19 18:10:17.0:0.9, 40°00'N:143°68'E, h10.9, h6km, mb3.1/3, Error ellipse: s-maj=10.5km s-min=4.9km az=24.0

ISCJTB 19 18:10:18.0:1.2, 39°56'N:143°67'E, h10.8, h6km, n18, e111/23, mb3.4/3, Off east coast of Honshu

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

IDC 19 18:32:54.9:0.7, 28°42'N:51°63'E, h0km, mb4.1/16, mb1.4/2.2, mb1mx4.0/4.2, mbtmp4.0/2.1, ML3.6/6, Error ellipse: s-maj=18.0km s-min=14.4km az=15.0

MOS 19 18:32:56.2:1.0, 28°44'N:51°60'E, h20km, mb4.4/15, Error ellipse: s-maj=8.9km s-min=6.8km az=64.0

ISCJTB 19 18:32:56.7:0.2, 28°36'N:02°51'E, h0.03, h24km, mb4.4/5.5, Error ellipse: s-maj=4.4km s-min=2.4km az=141.8

NEIC 19 18:32:57.7:0.0, 28°47'N:51°60'E, h19km, mb4.4/42, MN4.2(TEH), After TEH

THR 19 18:32:57.7, 28°47'N:51°49'E, h29km, ML4.0

TEH 19 18:32:57.7, 28°47'N:51°60'E, h19km, ML4.2





19d 19h

Table with columns: Station Name, Azimuth, Distance, Magnitude, Phase, Code, Station Name, Azimuth, Distance, Magnitude, Phase, Code. Includes stations like PD31 Pinedale Array, PDAR Pinedale Array, U15A North Rim, etc.

ISC 19:58:37.9±0.3, 50.01N; 157.57E, h0km, mb5.5/41, mb1 5.5/46, mb1mx5.5/48, mbtmp5.4/46, ML3.7/4, MS6.1/39, Ms1 6.1/39, ms1mx6.0/49, Error ellipse: s-maj=9.9km s-min=7.2km az=117.0
ISC/JB 19:58:38.8±0.5, 49.92N; 0.101; 157.64E; 0.01, h17km, 3km, mb5.8/699, MS6.1/806, Error ellipse: s-maj=2.5km s-min=1.5km az=162.2
NEIC 19:58:38.0±0.0, 49.97N; 157.78E, h15km, Moment Tensor Solution: M=15 Moment tensor: Scale 1018Nm; M=0.90; Mw=0.40; Mw=0.50; Mw=1.02; Mw=0.35; Mw=1.22; Best double couple: Mo=1.800000\*10^18 NP1=0.4000000000, 0.76.000000, 0.90.000000, NP2=0.221.000000, 0.14.000000, 0.91.000000. Principal axes: T=1.8500, Plg59.000000, Azm309.000000, N=-0.0900, Plg0.000000, Azm40.000000, P=-1.7500, Plg30.000000, Azm130.000000;
BUJ 19:58:39.7, 49.85N; 157.55E, h20km, mb5.8/87, mb6.2/76, MS6.6/93, Ms7 6.5/87
KRSC 19:58:40.5±0.1, 49.92N; 157.82E, h84km, 10km, ML6.3, FELT (II) at Severo-Kuril'sk; (I) at Ozernovskiy;
NEIC 19:58:40.2±1.6, 49.97N; 157.65E, h19km, mb5.9/576, MS6.2, MS6.1/786, MW6.0, MW6.1, Error ellipse: s-maj=13.3km s-min=12.0km az=137.0 Best double couple: NP1=0.208.000000, 0.23.000000, 0.88.000000, NP2=0.30.000000, 0.67.000000, 0.91.000000. Principal axes: T=1.3700, Plg68.000000, Azm302.000000, N=0.0600, Plg1.000000, Azm210.000000; P=-1.4300, Plg22.000000, Azm120.000000; Broadband fault plane solution: P waves. NP1=0.215.000000, 0.10.000000, 0.90.000000. NP2=0.35.000000, 0.80.000000, 0.90.000000. Principal axes: T=Plg55.000000, Azm305.000000, N=Plg0.000000, Azm0.000000; P=Plg35.000000, Azm125.000000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanisms;
MOS 19:58:42.7±1.0, 50.01N; 157.57E, h7km, mb6.2/147, MS6.2/110 Error ellipse: s-maj=4.8km s-min=2.5km az=89.8 Broadband fault plane solution: P waves. Mo=4.800000\*10^18 NP1=0.25.000000, 0.71.000000, 0.85.000000. NP2=0.220.000000, 0.20.000000, 0.104.000000. Principal axes: T=Plg64.000000, Azm287.000000; N=Plg5.000000, Azm27.000000; P=Plg26.000000, Azm119.000000; Fault plane solution: P-wave C193, D46. Felt (II-III) at Severo-Kuril'sk; (I) at Ozernovskiy;
SKHL 19:58:42.3±0.8, 49.96N; 157.98E, h60km, mb6.7/8, MS6.0/8, Ms7 6.5/87
SKHL Felt (II-III) at Severo-Kuril'sk;
GCMT 19:58:45.2±0.1, 49.92N; 157.95E, h18km, MW6.1/136, Moment Tensor Solution. s122,c274; s136,c473; Duration: 2s6 Moment tensor: Scale 1018Nm; M=1.26±.01; Mw=0.39±.01; Mw=0.87±.01; Mw=0.46±.02; Mw=0.61±.01; Mw=0.80±.02; Best double couple: Mo=1.574000\*10^18 NP1=0.32.000000, 0.63.000000, 0.78.000000. NP2=0.216.000000, 0.27.000000, 0.93.000000. Principal axes: T=1.5640, Plg72.000000, Azm298.000000; N

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Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase, Code, Station Name, Azimuth, Distance, Magnitude, Phase, Code. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR 106um.0.9s, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, Phase, Code, Station Name, Azimuth, Distance, Magnitude, Phase, Code. Includes stations like PALN Palana, TYV Tymoynskoe, TYV Tymoynskoe, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GLVR, MA2, SMY, ASAJ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MDJ, MDJ, SPIA, SPIA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CAST, HOM, BPAW, BPAW, etc.



19d 19h

TIA	comp=Z,20nm,0.8s			pmax	pmax				
TIA	comp=Z,3um,5.7s			pmax	pmax				
TIA	comp=Z,38um,15.7s			LR	LR				
TIA	comp=Z,29um,13.2s			LR	LR				
JOW	comp=Z,12um,11.0s			LR	LR				
JOW	Kunigami	32.27 235	P	P		20 05 08.6	+0.4		
JOW	Kunigami	32.27 235	eP	P		20 05 07.6	-0.6		
JOW	comp=Z,113nm,1.4s			LR	LR				
KLU	Klutina	32.72 48	eP	P		20 05 11.5	-0.4		
KLU	comp=Z,152nm,1.2s			LR	LR				
PRP	Porcupine Dome	32.72 40	eP	P		20 05 10.9	-1.0		
PRP	comp=Z,261nm,1.2s			LR	LR				
MID	Middleton Isla	32.77 51	eP	P		20 05 12.8	+0.7		
MID	comp=Z,243nm,1.1s			LR	LR				
PAX	comp=Z,14um,20.0s			LR	LR				
PAX	Paxson	32.81 45	eP	P		20 05 12.1	-0.5		
PAX	comp=Z,94nm,1.3s			LR	LR				
PAX	Paxson	32.81 45	eP	P		20 05 12.1	-0.5		
PAX	comp=Z,31um,20.0s			eP	pmax				
PAX	comp=Z,94nm,1.3s			MLR	MLR				
PAX	comp=Z,31um,20.0s			MLR	MLR				
DIV	Divide	32.83 48	eP	P		20 05 11.9	-0.9		
DIV	comp=Z,112nm,1.2s			LR	LR				
DIV	Divide	32.83 48	eP	P		20 05 11.9	-0.9		
DIV	comp=Z,112nm,1.2s			LR	LR				
FYU	Fort Yukon	32.86 38	eP	P		20 05 13.1	+0.2		
FYU	comp=Z,25um,20.0s			LR	LR				
FYU	comp=Z,539nm,1.2s			LR	LR				
FYU	comp=Z,16um,18.0s			LR	LR				
EYAK	Cordova Ski Ar	32.91 49	eP	P		20 05 13.2	-0.1		
EYAK	comp=Z,65nm,0.9s			LR	LR				
EYAK	comp=Z,46um,19.0s			LR	LR				
HARP	HARP	33.00 46	eP	P		20 05 14.0	-0.2		
HARP	comp=Z,237nm,1.4s			LR	LR				
HARP	comp=Z,237nm,1.4s			LR	LR				
IRK	IRK	33.02 295	eP	P		20 05 13.3	-1.2		
IRK	IRK	33.02 295	eP	P		20 05 13.3	-1.2		
IRK	comp=Z,23um,20.0s			e	pmax				
IRK	comp=Z,325nm,2.1s			e	pmax				
RIDG	Independ'e Rid	33.05 43	eP	P		20 05 13.9	-0.7		
RIDG	comp=Z,242nm,1.2s			LR	LR				
RIDG	comp=Z,41um,19.0s			LR	LR				
SSE	Sheshan	33.11 249	P	P		20 05 15.8	+0.4		
SSE	comp=Z,8.0nm,0.5s			S	pmax				
SSE	comp=Z,3um,3.8s			S	pmax				
SSE	Sheshan	33.11 249	eP	P		20 05 15.7	+0.3		
SSE	comp=Z,604nm,1.3s			LR	LR				
SSE	comp=Z,32um,19.0s			LR	LR				
HHC	Hu-ho-hao-te	33.19 272	eP	P		20 05 14.9	-1.3		
HHC	comp=Z,23um,19.0s			P	P				
HHC	comp=Z,23um,19.0s			P	P				
HHC	comp=Z,23um,19.0s			P	P				
HHC	comp=Z,74nm,1.4s			pmax	pmax				
HHC	comp=Z,3um,9.9s			LR	LR				
HHC	comp=Z,42um,14.7s			LR	LR				
HHC	comp=Z,58um,15.6s			LR	LR				
HHC	comp=Z,83um,13.8s			LR	LR				
SONAO	Songino Array	33.28 287	eP	P		20 05 14.8	-2.1		
SONAO	comp=Z,21um,19.0s			eP	P				
SONAO	comp=Z,21um,19.0s			eP	P				
SONM	Songino Array	33.28 287	eP	P		20 05 14.8	-2.1		
SONM	comp=Z,14nm,0.9s,baz=76,slow=8.7,SNR=78			P	P				
SONM	comp=Z,11nm,1.0s,baz=52,slow=2.4,SNR=4.2			P	P				
SONM	comp=Z,45um,19.8s,baz=73,slow=40			LR	LR				
SONM	Songino Array	33.28 287	P	P		20 05 14.8	-2.1		
SONM	comp=Z,21um,19.0s			P	P				
SONM	comp=Z,21um,19.0s			P	P				
DOT	Dot Lake	33.40 44	eP	P		20 05 16.9	-0.9		
DOT	comp=Z,72nm,1.4s			LR	LR				
DOT	comp=Z,37um,19.0s			LR	LR				
SCRK	Sand Creek	33.42 43	eP	P		20 05 17.3	-0.7		
SCRK	comp=Z,258nm,1.4s			LR	LR				
SCRK	comp=Z,36um,19.0s			LR	LR				
TLY	Talaya	33.56 294	eP	P		20 05 17.8	-1.5		
TLY	comp=Z,250nm,1.1s			LR	LR				
TLY	comp=Z,110um,18.0s			LR	LR				
TLY	Talaya	33.56 294	iP	P		20 05 18.7	-0.5		
TLY	comp=Z,627nm,1.1s			iP	pmax				
TLY	comp=Z,279um,16.0s			MLR	MLR				
TLY	Talaya	33.56 294	P	P		20 05 18.5	-0.7		
TLY	comp=Z,279um,16.0s			P	P				
TLY	comp=Z,279um,16.0s			P	P				
MENT	Mentasta	33.61 45	eP	P		20 05 18.5	-0.7		
MENT	comp=Z,219nm,1.8s			LR	LR				
MENT	comp=Z,32um,20.0s			LR	LR				
HMT	Hamilton	33.67 50	eP	P		20 05 20.7	+0.7		
HMT	comp=Z,104nm,1.1s			LR	LR				
NJ2	Nanjing	33.87 253	iP	P		20 05 22.3	+0.3		
NJ2	comp=Z,22um,20.0s			S	S				
NJ2	comp=Z,190nm,1.5s			pmax	pmax				
NJ2	comp=Z,4um,8.1s			LR	LR				
NJ2	comp=Z,71um,17.4s			LR	LR				
NJ2	comp=Z,46um,13.0s			LR	LR				
NJ2	comp=Z,60um,19.5s			LR	LR				
ZAK	Zakamensk	34.22 292	eP	P		20 05 23.6	-1.5		
ZAK	comp=Z,176nm,1.1s			eP	pmax				
TGL	Tana Glacier	34.30 49	eP	P		20 05 26.3	+0.7		
TGL	comp=Z,99nm,1.1s			LR	LR				
TGL	comp=Z,25um,22.0s			LR	LR				
BTO	Baotou	34.32 273	eP	P		20 05 22.0	-4.0		
TIV	Taiyuan	34.37 267	eP	P		20 05 26.4	0.0		
TIV	comp=Z,110um,18.0s			S	S				
TIV	comp=Z,110um,18.0s			S	S				
TIV	comp=Z,150nm,1.3s			pmax	pmax				
TIV	comp=Z,3um,8.3s			LR	LR				
TIV	comp=Z,20um,14.6s			LR	LR				
TIV	comp=Z,19um,16.6s			LR	LR				
TIV	comp=Z,14um,15.8s			LR	LR				
BALM	Baldy	34.49 48	eP	P		20 05 27.6	+0.3		
BALM	comp=Z,98nm,1.2s			LR	LR				
BALM	comp=Z,20um,20.0s			LR	LR				
BALM	Baldy	34.49 48	eP	P		20 05 27.6	+0.3		
BALM	comp=Z,98nm,1.2s			eP	pmax				
BALM	comp=Z,20um,20.0s			MLR	MLR				
SARN	Sarigan	34.52 200	eP	P		20 05 27.6	-0.2		
SARN	comp=Z,95nm,1.4s			LR	LR				

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SARN	comp=Z,9um,21.0s			LR	LR				
EGAK	Eagle	34.59 41	eP	P		20 05 27.2	-0.8		
EGAK	comp=Z,147nm,0.9s			LR	LR				
EGAK	comp=Z,20um,18.0s			LR	LR				
ANAZ	Anatahan	34.89 200	eP	P		20 05 30.0	-0.9		
CTGM	Chitina Glacier	34.99 48	eP	P		20 05 32.5	+0.9		
CTGM	comp=Z,168nm,1.0s			LR	LR				
CTGM	comp=Z,21um,21.0s			LR	LR				
MOY	Moody	35.13 295	eP	P		20 05 32.0	-0.9		
MOY	comp=Z,372nm,1.6s			eP	pmax				
DAWY	Dawson	35.42 42	eP	P		20 05 35.6	+0.4		
DAWY	comp=Z,105nm,1.1s			LR	LR				
DAWY	comp=Z,40um,19.0s			LR	LR				
PCA	Pinnacle	35.68 49	eP	P		20 05 38.6	+1.1		
PCA	comp=Z,183nm,1.1s			LR	LR				
PCA	comp=Z,24um,19.0s			LR	LR				
BCPM	Bancas Point	36.01 49	eP	P		20 05 40.6	+0.3		
BCPM	comp=Z,352nm,1.7s			LR	LR				
BCPM	comp=Z,18um,19.0s			LR	LR				
YKU2	Yakutat	36.09 50	P	P		20 05 50.0	+9.1		
YKU2	comp=Z,15um,19.0s			LR	LR				
EPYK	Eagle Plains	36.28 38	eP	P		20 05 42.9	+0.5		
EPYK	comp=Z,410nm,1.3s			LR	LR				
EPYK	comp=Z,12um,18.0s			LR	LR				
EPYK	Eagle Plains	36.28 38	P	P		20 05 43.7	+1.2		
EPYK	baz=276,SNR=36			P	P				
HYT	Haines Junctio	36.85 48	eP	P		20 05 48.4	+0.9		
HYT	comp=Z,135nm,1.0s			LR	LR				
HYT	comp=Z,31um,18.0s			LR	LR				
YOJ	Yonaguni jima	37.02 240	eP	P		20 05 48.4	-0.8		
YOJ	comp=Z,197nm,1.4s			LR	LR				
YOJ	comp=Z,15um,20.0s			LR	LR				
YOJ	Yonaguni jima	37.02 240	eP	P		20 05 48.4	-0.8		
YOJ	comp=Z,197nm,1.4s			eP	pmax				
YOJ	comp=Z,15um,20.0s			MLR	MLR				
INK	Inuvik	37.30 35	P	P		20 05 52.1	+1.0		
INK	comp=Z,133nm,0.9s,baz=271,slow=9.0,SNR=91			S	S				
INK	comp=Z,4.5nm,1.0s,baz=299,slow=32,SNR=5.9			LR	LR				
INK	Inuvik	37.30 35	eP	P		20 11 38.3	+1.6		
INK	comp=Z,172nm,1.0s			LR	LR				
INK	comp=Z,13um,18.0s			LR	LR				
INK	Inuvik	37.30 35	P	P		20 05 52.1	+1.0		
INK	comp=Z,13um,18.0s			S	S				
TATO	Taipei	37.48 242	eP	P		20 11 38.3	+1.6		
TATO	comp=Z,373nm,1.8s			LR	LR				
TATO	comp=Z,28um,19.0s			LR	LR				
NR1K	Nori'sk	37.70 327	P	P		20 05 52.3	-2.1		
NR1K	comp=Z,26nm,0.9s,baz=92,slow=8.7,SNR=35			LR	LR				
NR1K	comp=Z,46um,19.2s,baz=74,slow=38			LR	LR				
NR1K	Nori'sk	37.70 327	P	P		20 05 52.3	-2.1		
NR1K	comp=Z,46um,19.2s,baz=74,slow=38			P	P				
WHN	Whan	37.70 256	iP	P		20 05 54.5	+2.9		
WHN	comp=Z,930nm,1.5s			pmax	pmax				
WHN	comp=Z,8um,5.2s			pmax	pmax				
WHN	comp=Z,19um,12.9s			LR	LR				
WHN	comp=Z,104um,14.2s			LR	LR				
WHN	comp=Z,79um,16.2s			LR	LR				
GUMO	Guam	37.74 201	P	P		20 06 10.0	+1.5		
GUMO									

HON	comp=Z,16um,18.0s	44.99	113	eP	P	20 06 55.0	+0.2
HON	comp=Z,282nm,1.3s			pmax	pmax		
HON	comp=Z,16um,18.0s			MLR	MLR		
GYA	comp=Z,16um,18.0s	45.38	258	iP	P	20 06 59.3	+1.3
GYA				pP	pP	20 07 05.0	+0.5
GYA				PcP	PcP	20 08 39.3	+2.2
GYA				PP	PP	20 08 46.4	+2.1
GYA				S	S	20 13 38.8	+1.1
GYA				sS	sS	20 13 48.5	-0.4
GYA				SS	SS	20 16 52.0	-1.1
GYA	comp=Z,300nm,0.7s			pmax	pmax		
GYA	comp=Z,4um,10.3s			LR	LR		
GYA	comp=Z,36um,16.9s			LR	LR		
GYA	comp=Z,29um,16.2s			LR	LR		
GYA	comp=Z,21um,13.6s			LR	LR		
KHLH	Kahului Airport	46.26	112	PFAKE	LR	20 07 20.0	+15
KHLH	comp=Z,17um,18.0s						
ZSN	Zaisan	46.39	296c	iP	P	20 07 04.5	-1.1
ZSN				e	MLR	20 08 51.4	-3.1
ZSN	comp=Z,9um,15.0s			iP	MLR	20 07 04.5	-1.1
ZSN	comp=Z,216nm,4.5s						
ZSN				ePP	PP	20 08 51.4	-3.1
ZSN				eLR	LR	20 26 59.7	
HLK	Haleakala	46.47	112	PFAKE	LR	20 07 20.0	+13
HLK	comp=Z,17um,18.0s						
YKWK	Yellowknife Ar	46.49	40	eP	P	20 07 06.9	+0.8
YKWK	comp=Z,224nm,1.2s						
YKWK	comp=Z,14um,20.0s			LR	LR		
YKA	Yellowknife Ar	46.52	40	eP	P	20 07 07.5	+1.1
YKA	comp=Z,61nm,0.9s,baz=297,slow=7.8,SNR=410					20 08 40.5	+0.1
YKA	comp=Z,13nm,1.0s,baz=307,slow=3.7,SNR=2.5			PcP	PcP	20 08 40.5	+0.1
YKA	comp=Z,0.1nm,0.3s,baz=159,slow=1.9,SNR=4.2			PKPPKP	PKPPKP	20 38 23.6	
YKA	Yellowknife Ar	46.52	40	eP	P	20 07 07.5	+1.1
YKA						20 08 40.5	
YKBS	Yellowknife Ar	46.52	40	eP	P	20 07 07.5	+1.1
YKBS				ePcP	PcP	20 08 40.5	+0.1
YKBS				eP	P	20 07 08.5	+0.8
YKBS				P	P	20 07 08.5	+0.8
YKBS				P	P	20 07 07.9	+0.1
YKBS				P	P	20 07 14.8	+0.3
YKBS				sP	ppP	20 07 18.3	+0.3
YKBS				PP	PP	20 08 59.3	+1.8
YKBS				S	S	20 13 57.1	+1.5
YKBS				SS	SS	20 17 15.6	-5.8
YKBS	comp=Z,380nm,1.1s			pmax	pmax		
YKBS	comp=Z,3um,4.7s			LR	LR		
YKBS	comp=Z,123um,15.7s			LR	LR		
YKBS	comp=Z,76um,15.3s			LR	LR		
YKBS	comp=Z,62um,17.5s			LR	LR		
YKBS	comp=Z,661nm,1.8s	46.66	291	eP	P	20 07 07.8	0.0
YKBS	comp=Z,54um,18.0s			LR	LR		
YKBS	comp=Z,661nm,1.8s	46.66	291	eP	P	20 07 07.8	0.0
YKBS				pmax	pmax		
YKBS				MLR	MLR		
RES	comp=Z,54um,18.0s						
RES	Resolute Bay	46.81	20	P	P	20 07 09.6	+1.0
RES	comp=Z,22nm,0.9s,baz=298,slow=7.7,SNR=54						
RES	Resolute Bay	46.81	20	eP	P	20 07 09.1	+0.6
RES	comp=Z,77nm,1.0s			LR	LR		
RES	comp=Z,9um,21.0s			LR	LR		
RES	Resolute Bay	46.81	20	eP	P	20 07 09.1	+0.6
RES				pmax	pmax		
RES	comp=Z,77nm,1.0s			MLR	MLR		
HPAH	Hawaii Prepara	47.35	112	PFAKE	LR	20 07 30.0	+16
HPAH	comp=Z,15um,18.0s						
SEM	Semipalatinsk	47.45	302	eLR	LR	20 27 54.5	
SEM	comp=Z,20um,14.6s			LR	LR		
HUH	Hualalai	47.54	112	PFAKE	LR	20 07 30.0	+15
HUH	comp=Z,14um,18.0s						
KHLU	Kahalu'u	47.58	112	eP	P	20 07 14.9	-0.3
KHLU	comp=Z,279nm,1.4s			LR	LR		
POHA	Pohakuloa	47.66	112	PFAKE	LR	20 07 30.0	+14
POHA	comp=Z,13um,18.0s						
MLOA	Mauna Loa Obs	47.81	112	PFAKE	LR	20 07 30.0	+13
MLOA	comp=Z,18um,18.0s						
HMH	Humu'ula Sheep	47.81	112	eP	P	20 07 16.9	-0.4
HMH	comp=Z,565nm,1.7s			LR	LR		
MWH	Moku'aweowe	47.83	112	eP	P	20 07 16.0	-1.7
MWH	comp=Z,334nm,1.4s			LR	LR		
MLH	Mauna Loa Obs	47.95	112	eP	P	20 07 18.2	-0.2
MLH	comp=Z,398nm,1.6s			LR	LR		
AIN	Ainahu	48.00	112	eP	P	20 07 19.0	+0.3
AIN	comp=Z,224nm,1.0s			LR	LR		
KHU	Kahuku	48.01	112	eP	P	20 07 18.1	-0.7
KHU	comp=Z,16um,20.0s						
KHU	comp=Z,198nm,1.2s			LR	LR		
UWE	Uwekahuna	48.06	112	PFAKE	LR	20 07 30.0	+11
UWE	comp=Z,17um,18.0s						
UWB	Uwekahuna B	48.07	112	PFAKE	LR	20 07 30.0	+11
UWB	comp=Z,21um,21.0s						
WRMH	West Rim	48.07	112	eP	P	20 07 19.4	+0.2
WRMH	comp=Z,676nm,1.7s			LR	LR		
OBL	Observatory Le	48.07	112	PFAKE	LR	20 07 30.0	+11
OBL	comp=Z,17um,18.0s						
SBLH	Steaming Bluff	48.08	112	PFAKE	LR	20 07 30.0	+11
SBLH	comp=Z,17um,18.0s						
NPH	North Pit	48.08	112	PFAKE	LR	20 07 30.0	+11
NPH	comp=Z,17um,18.0s						
HATHI	Halema'ua'u T	48.08	112	PFAKE	LR	20 07 30.0	+11
HATHI	comp=Z,18um,18.0s						
SDHH	Sand Hill	48.09	112	PFAKE	LR	20 07 30.0	+11
SDHH	comp=Z,16um,19.0s						
BYL	Byron's Ledge	48.09	112	PFAKE	LR	20 07 30.0	+11
BYL	comp=Z,17um,18.0s						
RIM	Rim	48.10	112	PFAKE	LR	20 07 30.0	+11
RIM	comp=Z,16um,18.0s						
KKO	Keanakako'i	48.10	112	PFAKE	LR	20 07 30.0	+11
KKO	comp=Z,16um,18.0s						
PUH	Pauahi	48.15	112	eP	P	20 07 19.1	-0.5
PUH	comp=Z,194nm,1.3s						

PUH	comp=Z,16um,18.0s			LR	LR		
HLP	Hilina Pali	48.15	112	PFAKE	LR	20 07 30.0	+10
HLP	comp=Z,18um,18.0s						
KURK	Kurchatov	48.18	303	eP	P	20 07 17.8	-1.7
KURK	comp=Z,311nm,1.0s			LR	LR		
KURK	comp=Z,36um,18.0s			LR	LR		
KURK	Kurchatov	48.18	303	eP	P	20 07 18.5	-1.0
KURK	Kurchatov	48.18	303c	iP	P	20 07 18.5	-1.0
KURK	comp=Z,401nm,1.2s			pmax	pmax		
KURK	comp=Z,53um,16.0s			MLR	MLR		
KURK	Kurchatov	48.18	303	P	P	20 07 18.2	-1.2
KURK	SNR=170			P	P	20 07 18.2	-1.2
STCH	Steam Cracks	48.19	112	PFAKE	LR	20 07 30.0	+10
STCH	comp=Z,17um,18.0s						
NPOC	North of Pu'u	48.20	112	PFAKE	LR	20 07 30.0	+10
NPOC	comp=Z,16um,20.0s						
JCUZ	Jacuzzi	48.21	112	PFAKE	LR	20 07 30.0	+10
JCUZ	comp=Z,16um,18.0s						
JCUZ	Makanchi Array	48.23	297	eP	P	20 07 18.4	-1.5
JCUZ	comp=Z,155nm,1.1s			LR	LR		
MK31	Makanchi Array	48.23	297	eP	P	20 07 18.4	-1.5
MK31	comp=Z,155nm,1.1s			pmax	pmax		
MK32	Makanchi Array	48.23	297	eP	P	20 07 18.8	-1.2
MK32	comp=Z,155nm,1.1s			e	e	20 38 20.2	
MKAR	Makanchi Array	48.23	297	P	P	20 07 18.8	-1.2
MKAR	comp=Z,110nm,0.9s,baz=62,slow=6.2,SNR=461			LR	LR	20 29 11.4	
MKAR	comp=Z,94um,18.4s,baz=42,slow=38			PKPPKP	PKPPKP	20 38 20.2	
MKAR	comp=Z,1.1nm,1.0s,baz=298,slow=2.6,SNR=3.7			pmax	pmax	20 07 18.7	-1.2
MKAR	Makanchi Array	48.23	297	iP	P	20 07 18.7	-1.2
MKAR	comp=Z,109nm,0.9s			pmax	pmax		
MK01	Makanchi Array	48.23	297	eP	P	20 07 18.2	-1.8
MK01	Kurchatov Arra	48.28	303	P	P	20 07 18.9	-1.4
MK01	comp=Z,154nm,0.9s,baz=63,slow=7.2,SNR=355			PcP	PcP	20 08 47.1	+0.3
KURBB	comp=Z,29nm,0.9s,baz=64,slow=4.3,SNR=4.9			PKPPKP	PKPPKP	20 38 23.7	
KURBB	comp=Z,0.4nm,0.8s,baz=258,slow=3.1,SNR=4.2			PKPPKP	PKPPKP	20 38 23.7	
MAKZ	Makanchi	48.40	297	eP	P	20 07 19.1	-2.2
MAKZ	comp=Z,119nm,1.0s			LR	LR		
MAKZ	comp=Z,109um,19.0s			LR	LR		
MAKZ	Makanchi	48.40	297	eP	P	20 07 19.1	-2.2
MAKZ	comp=Z,119nm,1.0s			pmax	pmax		
MAKZ	comp=Z,109um,19.0s			MLR	MLR		
KMI	KMI	48.82	261	P	P	20 07 25.5	+0.5
KMI	KMI			pP	pP	20 07 30.0	-1.5
KMI	KMI			sP	sP	20 07 35.1	-0.7
KMI	KMI			PP	PP	20 09 20.1	+1.9
KMI	KMI			S	S	20 14 27.8	+0.9
KMI	KMI			sS	sS	20 14 39.8	+1.6
KMI	comp=Z,320nm,1.6s			pmax	pmax		
KMI	comp=Z,6um,4.7s			LR	LR		
KMI	comp=Z,38um,17.7s			LR	LR		
KMI	comp=Z,29um,17.7s			LR	LR		
KMI	comp=Z,27um,13.4s			LR	LR		
KMI	Kunming	48.82	261	eP	P	20 07 25.2	+0.2
KMI	comp=Z,727nm,1.4s			LR	LR		
KMI	comp=Z,20um,18.0s			LR	LR		
KMI	Kunming	48.82	261	eP	P	20 07 25.2	+0.2
KMI	comp=Z,727nm,1.4s			pmax	pmax		
KMI	comp=Z,20um,18.0s			MLR	MLR		
QIZ	Qiongzong	48.90	249	P	P	20 07 27.3	+2.0
QIZ	comp=Z,85nm,1.2s			pP	pP	20 07 29.1	-2.8
QIZ	comp=Z,4um,10.6s			sP	sP	20 07 31.5	-3.0
QIZ	comp=Z,20um,14.7s			PP	PP	20 09 20.9	+2.2
QIZ	comp=Z,22um,16.2s			S	S	20 14 31.4	+3.8
QIZ	Qiongzong	48.90	249	eP	P	20 07 26.7	+1.4
QIZ	comp=Z,153nm,1.3s			sS	sS	20 14 35.8	+0.4
QIZ	comp=Z,27um,20.0s			pmax	pmax		
LLLB	Lilloet	48.94	56	eP	P	20 07 25.2	-0.2
LLLB	comp=Z,118nm,1.4s			LR	LR		
LLLB	comp=Z,13um,19.0s			LR	LR		
PGC	Sidney	49.14	59	eP	P	20 07 27.5	+0.7
PGC	comp=Z,125nm,1.5s			LR	LR		
A04D	Lummi Island	49.52	59	P	P	20 07 29.6	-0.1
A04D	baz=304			S	S	20 14 38.4	+2.8
NLWA	Neilton Lookou	49.60	61	eP	P	20 07 30.0	-0.5
NLWA	comp=Z,190nm,1.6s			LR	LR		
KBS	Kingsbay	49.80	352	eP	P	20 07 32.3	+0.8
KBS	comp=Z,7um,22.0s			LR	LR		
KBS	comp=Z,204nm,1.0s			LR	LR		
KBS	comp=Z,20um,19.0s			LR	LR		</



LRM	comp=Z,10um,18.0s	56.85	57	eP	P	20 08 23.2	-0.9
ARSB	Limekiln Ridge	56.86	296	eP	P	20 08 23.4	-0.7
EGMT	comp=Z,115nm,1.1s	56.87	53	eP	P	20 08 24.5	+0.5
EGMT	Eagleton				LR		
EGMT	comp=Z,134nm,1.2s				LR		
FCC	comp=Z,8um,20.0s				LR		
EGMT	Eagleton	56.87	53	P	P	20 08 24.9	+0.9
FCC	baz=310,SNR=28				P		
FCC	Fort Churchill	56.90	36	eP	P	20 08 24.1	+0.3
FCC	comp=Z,98nm,1.0s				P		
FCC	Fort Churchill				eP		
FCC	comp=Z,15um,20.0s				P		
FCC	Fort Churchill	56.90	36	eP	P	20 08 24.1	+0.3
FCC	comp=Z,98nm,1.0s				P		
FCC	Fort Churchill				eP		
FCC	comp=Z,15um,20.0s				P		
TMCR	Tamitsa	56.92	333	eS	P	20 08 22.4	-1.6
TMCR					S	20 16 15.7	-0.2
TMCR					eS		
TMCR					P		
VCNR	comp=Z,119nm,0.9s				P		
VCNR	Virginia City	56.93	67	eP	P	20 08 26.6	+1.9
VCNR	comp=Z,91nm,1.3s				LR		
VCNR					LR		
KMSI	comp=Z,6um,19.0s				P		
KMSI	Cibinong	56.98	221	P	P	20 08 35.5	+1.1
TRO	Tromso	57.00	344	eP	P	20 08 24.4	-0.1
FAKI	Fak Fak	57.04	211	eP	P	20 08 25.3	-0.1
FAKI	comp=Z,489nm,1.7s				LR		
FAKI					LR		
FAKI	comp=Z,9um,20.0s				LR		
FAKI	Fak Fak	57.04	211	P	P	20 08 25.0	-0.4
KIRV	Kirov	57.06	324	LR	LR	20 35 24.2	
DLMT	Dillon	57.06	57	eP	P	20 08 25.8	+0.4
DLMT	comp=Z,94nm,1.4s				P		
DLMT					LR		
PNTR	comp=Z,4um,21.0s				P		
PNTR	Pine Nut	57.09	67	eP	P	20 08 28.0	+2.1
PNTR	comp=Z,122nm,1.3s				LR		
PNTR					LR		
KK31	Karatay Array	57.13	299	eP	P	20 08 24.5	-1.3
KK31	comp=Z,5um,18.0s				P		
KK31	Karatay Array	57.13	299	eP	P	20 08 24.5	-1.3
KK31	comp=Z,82nm,0.9s				P		
KKAR	Karatay Array	57.13	299	eP	P	20 08 24.5	-1.3
KKAR	comp=Z,82nm,0.9s				P		
KKAR	Karatay Array	57.13	299	eP	P	20 08 24.5	-1.3
KKAR	comp=Z,82nm,0.9s				P		
HLID	Hailey	57.21	60	eP	P	20 08 28.0	+1.4
HLID	comp=Z,83nm,1.3s				LR		
HLID					LR		
HLID	comp=Z,11um,20.0s				P		
HLID	Hailey	57.21	60	P	P	20 08 27.7	+1.1
MCMT	comp=Z,310,SNR=59				P		
MCMT	McKenzie Canyon	57.27	58	eP	P	20 08 27.7	+0.6
SUMG	Summit	57.27	6	eP	P	20 08 27.5	+0.7
SUMG	comp=Z,577nm,1.1s				LR		
SUMG					LR		
SUMG	comp=Z,18um,21.0s				P		
SUMG	Summit	57.27	6	eP	P	20 08 27.8	+1.0
SUMG	comp=Z,53um,16.0s				P		
SUMG	Summit	57.27	6	eP	P	20 08 27.5	+0.7
SUMG	comp=Z,577nm,1.1s				P		
SUMG					MLR		
SUMG					MLR		
CMB	comp=Z,18um,21.0s				P		
CMB	Columbia Colle	57.30	68	eP	P	20 08 28.6	+1.4
CMB	comp=Z,95nm,1.4s				LR		
CMB					LR		
YERR	comp=Z,9um,21.0s				P		
YERR	Yerington	57.37	67	eP	P	20 08 29.6	+1.8
YERR	comp=Z,160nm,1.4s				LR		
YERR					LR		
BOZ	comp=Z,6um,19.0s				P		
BOZ	Bozeman (W)	57.44	56	eP	P	20 08 29.2	+1.1
BOZ	comp=Z,132nm,1.3s				LR		
BOZ					LR		
BOZ	comp=Z,12um,20.0s				P		
BOZ	Bozeman (W)	57.44	56	P	P	20 08 29.4	+1.3
SAO	comp=Z,310,SNR=46				P		
SAO	San Andreas Ge	57.49	70	eP	P	20 08 28.2	-0.2
SAO	comp=Z,138nm,1.3s				LR		
SAO					LR		
SAO	comp=Z,7um,19.0s				P		
SAO	San Andreas Ge	57.49	70	eP	P	20 08 28.2	-0.2
SAO	comp=Z,7um,19.0s				P		
SAO					P		
SAO	comp=Z,136nm,1.9s				MLR		
SAO					MLR		
SRAK	comp=Z,7um,19.0s				P		
SRAK	Srakawek	57.50	252	P	P	20 08 27.4	-1.3
WAKR	comp=Z,323nm,1.0s,comp=Z,3um				P		
WAKR	Walker	57.57	67	eP	P	20 08 30.8	+1.6
WAKR	comp=Z,132nm,1.5s				LR		
WAKR					LR		
BMN	comp=Z,8um,20.0s				P		
BMN	Battle Mountai	57.62	64	eP	P	20 08 30.6	+1.2
BMN	comp=Z,92nm,1.3s				LR		
BMN					LR		
BMN	comp=Z,7um,20.0s				P		
BMN	Battle Mountai	57.62	64	eP	P	20 08 30.7	+1.2
BMN	comp=Z,92nm,1.3s				P		
BMN					P		
BMN	comp=Z,92nm,1.3s				MLR		
BMN					MLR		
UMPA	comp=Z,7um,20.0s				P		
UMPA	Umpang Tak	57.81	256	P	P	20 08 33.6	+2.7
UMPA	comp=Z,92nm,1.0s,comp=Z,636nm				P		
UTHA	Uthaitani	57.93	255	P	P	20 08 33.3	+1.6
MRSI	comp=Z,41nm,1.2s,comp=Z,480nm				P		
MRSI	Marsis	57.95	224	P	P	20 08 31.9	+0.1
MRSI	comp=Z,43nm,1.3s,comp=Z,2um				P		
KVN	Kaiserville	58.01	66	eP	P	20 08 33.4	+1.1
KVN	comp=Z,163nm,1.5s				LR		
KVN					LR		
KVN	comp=Z,11um,19.0s				P		
KVN	Kaiserville	58.01	66	eP	P	20 08 33.4	+1.1
KVN	comp=Z,163nm,1.5s				P		
KVN					P		
IUG	comp=Z,11um,19.0s				MLR		
IUG	luzhnay	58.02	299	eP	P	20 08 31.8	-0.4
IUG	comp=Z,148nm,1.0s				S		
IUG					S	20 16 35.5	+4.2
IUG	comp=Z,148nm,1.0s				P		
IUG					P		
IUG	comp=Z,148nm,1.0s				P		
IUG					S	20 08 31.9	-0.4
IUG					eS	20 16 35.5	+4.2
IUG					eLR	20 34 09.0	
RYN	comp=Z,14um,15.0s				P		
RYN	Ryan	58.03	67	eP	P	20 08 33.7	+1.3
RYN	comp=Z,76nm,1.3s				LR		
RYN					LR		
QLMT	comp=Z,6um,20.0s				P		
QLMT	Earthquake Lak	58.04	57	eP	P	20 08 33.5	+1.1
CHM	Chimkent	58.15	299	eLR	P	20 34 23.5	
CHM	comp=Z,9um,15.3s				LR		
NV01	Mina Array Sit	58.29	67	P	P	20 08 34.8	+0.5
NVAR	Mina Array	58.29	67	P	P	20 08 35.4	+1.1
NVAR	comp=Z,8.9nm,0.8s,baz=291,slow=7.2,SNR=52				LR		
NVAR					LR		
NVAR	comp=Z,4um,19.2s,baz=307,slow=35				LR		
NVAR					LR		
NVAR	comp=Z,1.5nm,1.0s,baz=150,slow=6.3,SNR=4.1				P		
MDPB	Devils Postpil	58.35	68	eP	P	20 08 36.0	+1.3
MDPB	comp=Z,86nm,1.4s				LR		
MDPB					LR		
MDPB	comp=Z,9um,21.0s				LR		
GCMT	Greycliff	58.36	55	eP	P	20 08 36.2	+1.6
NV11	Mina Array Sit	58.38	67	eP	P	20 08 36.2	+1.4
NV11	comp=Z,9.1nm,1.4s				LR		
NV11					LR		
NV11	comp=Z,500nm,19.0s				LR		
OMMB	Old Mammoth Mi	58.41	68	eP	P	20 08 37.4	+2.2
OMMB	comp=Z,89nm,1.6s				LR		
OMMB					LR		
OMMB	comp=Z,10um,20.0s				P		
MLAC	Mammoth, Mammo	58.50	68	P	P	20 08 38.7	+3.0
SANI	Sanana	58.52	218	P	P	20 08 35.1	-0.7
SANI	comp=Z,132nm,1.3s,comp=Z,3um						

ELK	Elko	58.57	63	eP	P	20 08 38.1	+1.9
ELK	comp=Z,48nm,1.3s				LR		
ELK					LR		
SIMRM	comp=Z,7um,21.0s				P		
SIMRM	Sittum	58.71	264	eP	P	20 08 37.2	+0.1
SIMRM	comp=Z,97nm,1.2s				LR		
SIMRM					LR		
SIMRM	comp=Z,3um,20.0s				P		
AB31	Akbulak array	58.72	311	/P	P	20 08 35.2	-1.6
AB31	comp=Z,121nm,0.9s				P		
AB31					P		
ABKAR	Akbulak array	58.72	311	eP	P	20 08 35.2	-1.6
ABKAR	comp=Z,162nm,1.0s				P		
KNTN	Kanton	58.73	144	eP	P	20 08 39.4	+2.2
KNTN	comp=Z,163nm,1.3s				LR		
KNTN					LR		
LKWY	comp=Z,13um,19.0s				P		
LKWY	Lake	58.77	57	eP	P	20 08 39.7	+2.1
LKWY	comp=Z,133nm,1.3s				LR		
LKWY					LR		
H17A	Grant Village	58.78	57	eP	P	20 08 40.2	+2.5
H17A	comp=Z,191nm,1.1s				LR		
H17A					LR		
H17A	comp=Z,16um,19.0s				P		
H17A	Grant Village	58.78	57	P	P	20 08 40.8	+3.1
AKTO	comp=Z,310,SNR=56				LR		
AKTO	Aktyubinsk	58.87	313	LR	LR	20 38 43.2	
AKTO	comp=Z,10um,18.4s,baz=30,slow=41				P		
AKTO	Aktyubinsk	58.87	313	/P	P	20 08 36.0	-1.8
AKTO	comp=Z,101nm,1.1s				P		
PAGB	Antelope Grade	58.90	70	eP	P	20 08 40.1	+1.8
PAGB	comp=Z,110nm,1.4s				LR		
PAGB					LR		
PAGB	comp=Z,4um,20.0s				LR		
IMW	Imdun Meadow	58.91	58	eP	P	20 08 40.5	+1.8
IMW	comp=Z,116nm,1.3s				P		
FLWY	Flagg Rang	58.92	57	eP	P	20 08 40.4	+1.7
FLWY	comp=Z,141nm,1.2s				LR		
FLWY					LR		
FLWY	comp=Z,6um,20.0s				LR		
BTK	Batken	58.94	297	eP	P	20 08 37.8	-0.8
BTK	comp=Z,280nm,1.1s				LR		
BTK					LR		
BTK	comp=Z,136um,18.0s				P		
BTK	Batken	58.94	297	eP	P	20 08 37.8	-0.8
BTK	comp=Z,280nm,1.1s				P		
BTK					P		
BTK	comp=Z,136um,18.0s				MLR		
BTK					MLR		
KLMR	Klimovskoe	58.94	330	/P	P	20 08 36.6	-1.5
KLMR	comp=Z,140nm,1.0s</						



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Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like D41A Chassel, ASK Askoy, KONO Kongsberg, etc.

2013 APR

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like G41A Antigo, F42A Maple Grove, KMY Karmoy, etc.

19d 19h

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes stations like PWJI Pagerwojo, GSI Gunungsitoli, GSI Gunungsitoli, etc.





P45A	comp=Z,66nm,1.0s	LR	LR		
P45A	comp=Z,10um,19.0s	73.97	47	P	20 10 14.8 +0.2
X37A	Glaceland, Par baz=32	73.97	55	P	20 10 14.8 +0.1
X37A	Clayton comp=Z,56nm,1.1s			LR	LR
G55A	comp=Z,7um,21.0s	74.06	37	P	20 10 14.2 -0.8
TRQ	Mont Tremblant	74.06	35	eP	20 10 14.6 -0.5
SEVA	Sevastopol	74.06	322	iP	20 10 14.6 -0.4
ACTO	Action baz=326	74.08	40	P	20 10 15.1 -0.1
PLVO	Plevna	74.10	37	PFAKE	20 10 30.0 +15
PLVO	comp=Z,9um,20.0s			LR	LR
PLVO	Plevna baz=327	74.10	37	P	20 10 14.9 -0.4
I53A	Kortright Cn E baz=326	74.10	39	P	20 10 15.2 -0.1
IAS	last	74.10	327	iP	20 10 14.8 -0.4
BHH	Howats Hill	74.14	349	eP	20 10 15.8 +0.5
O47A	Sheridan baz=323	74.14	46	P	20 10 15.1 -0.5
M49A	Liberty Center	74.14	43	P	20 10 15.2 -0.4
P46A	Rosedale baz=323,SNR=6.0	74.15	47	P	20 10 15.6 0.0
N48A	Decatur baz=324	74.17	44	P	20 10 14.9 -0.8
L50A	Kingsville baz=324	74.20	42	P	20 10 15.9 0.0
PKRO	Pickering baz=326	74.20	39	P	20 10 15.6 -0.3
K51A	Iona Station baz=325	74.20	41	P	20 10 16.1 +0.2
J52A	Paris baz=325	74.22	40	P	20 10 16.1 +0.1
KOPR	Koprukoy-ERZUR	74.22	314	P	20 10 17.5 +1.2
EDMD	Edmundbyers	74.23	348	iP	20 10 16.0 +0.2
EDMD				Iamb	Iamb
Q45A	Warren Harvey, baz=322	74.27	48	P	20 10 16.5 +0.1
DELO	Detoro Mine baz=327	74.32	38	P	20 10 16.1 -0.5
R44A	Waltonville baz=322,SNR=9.8	74.34	49	P	20 10 16.8 +0.1
W39A	Magazine comp=Z,136nm,1.4s	74.34	54	eP	20 10 17.2 +0.4
W39A	comp=Z,11um,20.0s			LR	LR
W39A	Magazine baz=321	74.34	54	P	20 10 16.8 -0.1
KSP	Ksiaz	74.34	336	eP	20 10 16.8 +0.2
KSP				eS	20 10 02.7 +14
KSP	Ksiaz	74.34	336	eP	20 10 16.8 +0.2
ORIO	Orleans, Innes baz=328	74.35	36	P	20 10 16.0 -0.7
KTUT	Trabzon	74.38	316	P	20 10 16.7 -0.3
KTUT	Trabzon	74.38	316	iP	20 10 16.5 -0.5
TORO	Toronto-Lesli	74.38	39	P	20 10 16.6 -0.2
GOA	Goa baz=326	74.40	276	eP	20 10 17.9 +0.5
U41A	Viola	74.41	52	P	20 10 17.1 -0.1
DRWO	Darlington Wes baz=325	74.41	39	P	20 10 16.8 -0.3
DRCO	St. Marys Ceme baz=326	74.42	39	P	20 10 17.4 +0.3
OLIL	Olney comp=Z,177nm,1.3s	74.43	48	eP	20 10 17.4 +0.1
OLIL				LR	LR
NIUE	Niue	74.43	148	PFAKE	20 10 30.0 +13
NIUE				LR	LR
ALFO	Alfred baz=328,SNR=11	74.44	35	P	20 10 16.4 -0.8
H55A	Tweed baz=327	74.46	37	P	20 10 17.1 -0.3
LEOM	Leova	74.48	326	iP	20 10 17.2 -0.2
CLGH	Cloghs, Cushen	74.48	350	eP	20 10 17.8 +0.5
CLGH				Iamb	Iamb
CLGH	comp=Z,275nm,1.2s			IAMs_20	IAMs_20
K52A	Tilsonburg baz=325	74.49	41	P	20 10 17.8 +0.2
N49A	Columbus Grove comp=Z,196nm,1.5s	74.50	44	eP	20 10 17.8 +0.1
N49A				LR	LR
N49A	comp=Z,8um,20.0s			LR	LR
N49A	Columbus Grove baz=324	74.50	44	P	20 10 17.6 0.0
NIE	Niedzica	74.50	333	eP	20 10 17.9 +0.3
NIE				eS	20 10 04.3 +13
NIE				LMZ	20 04 58.5
NIE	comp=Z,29um,17.9s			MLR	20 10 17.9 +0.3
NIE	Niedzica	74.50	333	eP	20 10 17.9 +0.3
NIE				MLR	
WLVO	Wesleyville comp=Z,29um,17.9s	74.50	38	P	20 10 17.4 -0.2
PLIO	Pelee Island, baz=326	74.51	42	P	20 10 17.5 -0.2
RAC	Raciborz	74.51	334	eP	20 10 18.6 +1.0
RAC				eS	20 19 53.7 +2.8
RAC				MLR	
BUR08	Bucovina Ar. S comp=Z,279nm,1.1s	74.52	329	eP	20 10 17.6 -0.2
BURAR	Bucovina Array	74.54	329	iP	20 10 17.8 -0.1
BURAR	Bucovina Array	74.54	329	P	20 10 17.8 -0.1
GAL1	Galloway	74.54	350	eP	20 10 18.5 +0.2
GAL1				Iamb	Iamb
GAL1	comp=Z,104nm,1.2s			IAMs_20	IAMs_20
I55A	comp=Z,5um,15.8s			IAMs_20	IAMs_20
I55A	Frankford baz=327	74.55	38	P	20 10 17.4 -0.4
Q46A	CEJHS Indians, baz=323	74.55	47	P	20 10 17.8 -0.2
MLAZ	Malazgir-MUS baz=323	74.57	313	P	20 10 19.7 +1.4
TYNO	Tyneside baz=326	74.59	40	P	20 10 18.1 -0.1
O48A	Farmland baz=324	74.59	45	P	20 10 18.0 -0.2
UZH	Uzhgorod	74.60	331	eP	20 10 15.5 -2.6
UZH				e	20 10 23.9
UZH				i	20 10 30.6
UZH				eS	20 19 45.7 +3.9
UZH				iPS	20 20 31.0
VANB	Van	74.61	312	P	20 10 19.8 +1.3
M50A	Fremont	74.61	43	PFAKE	20 10 30.0 +12
M50A				LR	LR
M50A	comp=Z,16um,20.0s			P	20 10 17.9 -0.4
KESW	Keswick, Cumbr baz=324	74.62	349	eP	20 10 18.7 +0.6
KESW				Iamb	Iamb
KESW	comp=Z,404nm,1.2s			IAMs_20	IAMs_20
KESW	comp=Z,18um,16.2s			IAMs_20	IAMs_20
IDGL	Inch Island, C	74.64	351	eP	20 10 16.3 -1.9
IDGL				eS	20 10 14.9 +23
IDGL	Inch Island, C	74.64	351	eP	20 10 18.8 +0.6
IDGL				Iamb	Iamb
IDGL	comp=Z,219nm,1.0s			IAMs_20	IAMs_20
IDGL	comp=Z,14um,16.0s			IAMs_20	IAMs_20
JCT	Junction City	74.66	61	eP	20 10 18.8 0.0
JCT				LR	LR
JCT	comp=Z,6um,19.0s			P	20 10 18.8 0.0
JCT	Junction City	74.66	61	eP	20 10 18.8 0.0
JCT				pmx	pmx
JCT	comp=Z,192nm,1.1s			MLR	MLR
JCT	comp=Z,6um,19.0s			MLR	MLR
JCT	Junction City	74.66	61	P	20 10 19.4 +0.5
BAYT	Aydinler-Bayb	74.69	315	P	20 10 19.8 +0.8
S44A	Carbondale	74.69	49	P	20 10 18.7 -0.1

R45A	baz=322,SNR=10	74.69	48	P	20 10 19.2 +0.4
R45A	Skylar, Fairri baz=322			P	
SIUC	Southern Illin comp=Z,148nm,1.2s	74.69	49	eP	20 10 18.8 0.0
SIUC				LR	LR
P47A	comp=Z,18um,20.0s			P	20 10 18.6 -0.2
P47A	Martinsville baz=323	74.69	46	P	20 10 18.6 -0.2
UPC	Udice	74.72	336	iP	20 10 19.2 +0.4
UPC				eS	20 19 48.4 -4.9
UPC	comp=Z,56um,15.2s			MLR	MLR
UPC	Udice	74.72	336	iP	20 10 19.2 +0.4
UPC				eS	20 19 48.4 -4.9
UPC				AMS	20 48 40.0
OKC	Ostrava-Krasne	74.75	334	iP	20 10 19.5 +0.5
OKC				eS	20 13 06.5
OKC				MLR	20 19 46.0 +4.0
OKC	comp=Z,37um,16.3s			SKIKP	SKIKP
OKC	Ostrava-Krasne	74.75	334	iP	20 10 19.5 +0.5
OKC				ePP	20 13 06.5 +1.0
OKC				ex	20 19 46.0
OKC				AMS	20 47 20.0
CLL	Colim comp=Z,37um,16.3s	74.76	338	eP	20 10 19.0 0.0
CLL	comp=Z,759nm,1.2s			LR	LR
CLL	Colim comp=Z,619nm,1.1s	74.76	338	iP	20 10 19.3 +0.3
CLL				ePlp	20 10 18.0
CLL	comp=Z,3um,12.6s			ePmax	20 10 19.0
CLL				iPcP	20 10 30.3 -0.1
CLL				PP	20 13 06.0 +0.5
CLL	comp=Z,1um,11.9s			ePPP	20 14 56.0
CLL				eS	20 19 57.0 +3.4
CLL	comp=N,2um,10.7s			eS	20 19 57.0 +3.4
CLL	comp=E,2um,16.9s			eS	20 19 57.0 +3.4
CLL	comp=Z,1um,16.6s			ePS	20 20 34.0
CLL				eSS	20 25 06.0 +26
CLL				eSSS	20 28 36.0
CLL				Lmax	20 48 00.0
CLL				LmV	20 48 00.0
CLL	comp=Z,38um,18.6s			iP	20 10 19.3 +0.3
CLL	Colim	74.76	338	iP	20 19 57.0 +3.4
CLL				eS	
CLL				pmx	pmx
CLL	comp=Z,619nm,1.1s			MLR	MLR
STCO	Saint Catharin comp=Z,38um,18.6s	74.78	39	P	20 10 18.7 -0.6
STCO				MLR	MLR
DPC	Dobruska-Polom baz=326	74.79	336	iP	20 10 20.0 +0.8
DPC				eS	20 19 52.7 -1.4
DPC				MLR	MLR
DPC	comp=Z,39um,15.8s			AMS	AMS
DPC	Dobruska-Polom	74.79	336	iP	20 10 20.0 +0.8
DPC				eS	20 19 52.7 -1.4
DPC				AMS	20 48 40.0
H56A	Elgin comp=Z,39um,15.8s	74.79	37	P	20 10 18.4 -0.8
H56A				AMS	AMS
WHXT	Lake Whitney, comp=Z,95nm,1.0s	74.82	58	eP	20 10 20.1 +0.4
WHXT				LR	LR
WHXT	comp=Z,6um,20.0s			P	20 10 20.1 +0.4
WHXT	Lake Whitney, baz=320,SNR=6.2	74.82	58	P	20 10 19.4 -0.2
PBMO	Poplar Bluff comp=Z,196nm,1.3s	74.82	51	eP	20 10 19.4 -0.2
PBMO				LR	LR
BLO	Bloomington comp=Z,10um,20.0s	74.83	46	eP	20 10 19.4 -0.1
BLO	comp=Z,91nm,1.3s			LR	LR
BLO	Bloomington	74.83	46	eP	20 10 19.5 -0.1
BLO				pmx	pmx
BLO	comp=Z,91nm,1.3s			MLR	MLR
BIZ	comp=Z,12um,20.0s			P	20 10 19.6 +0.1
BIZ	Bicaz	74.83	328	iP	20 10 19.6 +0.1
KRLC	Kraliky	74.91	335	iP	20 10 20.6 +0.6
KRLC	Kraliky	74.91	335	iP	20 10 20.6 +0.6
KRLC				eP	20 10 25.9 -0.8
BRG	Berggiesshubel comp=Z,347nm,1.3s	74.92	337	iP	20 10 20.2 +0.2
BRG				iPCP	20 10 31.0 -0.4
BRG	comp=Z,114nm,1.1s			PP	20 13 09.0 +2.1
BRG				PP	20 20 01.0 +5.5
BRG				SS	20 24 56.0 +13
BRG				eFKPPK	20 27 27.6
BRG	comp=Z,2.5nm,1.2s			P	20 10 20.2 +0.2
BRG	comp=N,28um,16.4s			P	20 10 31.0
BRG	comp=E,27um,16.5s			P	20 13 09.0
BRG	comp=Z,53um,16.9s			pmx	pmx
BRG	Berggiesshubel	74.92	337	iP	20 10 20.2 +0.2
BRG				MLR	MLR
BRG	comp=Z,347nm,1.3s			MLR	MLR
BRG	comp=N,28um,16.4s			MLR	MLR
BRG	comp=E,27um,16.5s			MLR	MLR
BRG	comp=Z,53um,16.9s			MLR	MLR
J54A	Appleton comp=Z,195nm,1.3s	74.95	39	eP	20 10 20.5 +0.3
J54A				LR	LR
J54A	comp=Z,14um,19.0s			P	20 10 20.2 0.0
J54A	Appleton	74.95	39	P	20 10 20.2 0.0
MIAR	Mount Ida comp=Z,132nm,1.2s	74.95	54	eP	20 10 21.0 +0.6
MIAR				LR	LR
MIAR	Mount Ida	74.95	54	eP	20 10 21.0 +0.6
MIAR				pmx	pmx
MIAR	comp=Z,132nm,1.2s			MLR	MLR
MIAR	Mount Ida	74.95	54	P	20 10 21.0 +0.6
MIAR	comp=Z,11um,18.0s			P	20 10 21.0 +0.6
TRPA	Tarpa	74.96	331	iP	20 10 21.0 +0.8
TRPA	Tarpa	74.96	331	iP	20 10 21.0 +0.8
TRPA				eS	20 19 50.1 -5.9
MORC	Moravsky Berou comp=Z,56nm,1.1s	74.97	335	eP	20 10 20.8 +0.5
MORC				LR	LR
MORC	comp=Z,43um,18.0s			P	20 10 21.1 +0.8
MORC	Moravsky Berou	74.97	335	iP	20 10 21.0 +0.5
MORC				pmx	pmx
MORC</					

19d 19h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VRAC Vranov, ALLY Alegheny Colle, HBAR Harrisburg, etc.

2013 APR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PALK Pallekele, HARR Harsova, MLR Muntele Rosu, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KHC Kasperse Hory, U47A Clarksville, DYBB Dytarbakir, etc.



19d 19h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZAG, EDRB, ASUD, PSUB, SRCK, ABTA, GBN, YLV, JMDO, T55A, Y49A, U54A, 147A, CRES, HAL, SVR, CCA1, S56A, LJU, BLA, ALNE, CAVI, CRLT, AJN, FETA, GEMT, X51A, ARQ, PGB, W52A, W52A, CHBY, D03, V53A, V53A, S57A, S57A, SULT, CEYT, Y50A, CIFT, MDRK, LRAL, LRAL, BOJS, M65A, U55A, CEY, TAOE, TAOE, 148A, KARA, PLD, T56A, VTS, VTS, VTS, VTS, W3A.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BLY, BLY, BLY, HAPS, R58B, R58B, JLP, V54A, CBN, CBN, TRI, TRI, TRI, TRI, JOE, JRM, X52A, Y51A, JSA, JSA, KCTC, FUORN, FUORN, RKY, Z50A, Z50A, RIV, EDC, BG3, RZN, LADK, T57A, S58A, S58A, S58A, KRTS, 149A, MGRS, V55A, KRBG, RDO, RDO, MERS, ALN, ALN, ALN, ALN, X53A, S59A, KONT, ERUK, TUE, TUE, CLF, CLF, W54A, ARMA, ARMA, Z51A, Z51A, ENEZ, RAR, RAR, PLE, MHTO, MHTO, UDBI, T58A, T58A, Y52A, Y52A, Y52A, LPK, MNCI, MNCI, 249A, KKB, MMB, 150A, V56A, SHUT, PMOR, PMOR, GELI, GEDZ, NVLJ, BALB, IVA, NVR, NVR, KMSC, KMSC, KMSC, Y53A, X54A, SIMA, PAULI, PAULI.

1200

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KAVA, KAVA, KZK, W57A, KOME, Z52A, SMTH, SMTH, T59A, VAH, PVY, SENIN, SENIN, 250A, 250A, 151A, 349A, STIP, SKO, KEBE, SRR, SRR, HODGE, HODGE, NKY, NKY, THAS, SSF, SSF, W56A, T60A, NKME, BRY, BRY, TEVE, X55A, EZN, EZN, EZN, 152A, 152A, GOGA, GOGA, GOGA, Y54A, BRAL, BRAL, VAY, IKL, Z53A, ISP, ISP, ISP, KNT, KNT, BOZC, 251A, U59A, PDG, PDG, TTT, TTT, TTT, CEME, LHI, LHI, AKKU, W57A, TREB, 350A, SOH, SOH, SOH, STON, X56A, MANT, MANT, 449A, JSC, JSC, Y55A, BCK, LIA, LIA, DQM, DQM, HCY, HCY, BUN, GRG, DRME, OUR, OUR, GRG, EREN, Z54A, 153A, PHP, PHP, PHP.

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V59A	Middlesex baz=327	81.38	43	P	P	20 10 56.5 +0.5
KRUS	Krusevo	81.39	328	iP	P	20 10 56.0 0.0
HORT	Horiatia	81.43	327	eP	P	20 10 55.3 -1.0
HORT	Horiatia	81.43	327	iP	P	20 10 55.3 -1.0
HORT	Thessaloniki	81.45	327	eP	P	20 10 55.7 -0.7
THE	Thessaloniki	81.45	327	P	P	20 10 55.5 -0.7
THE	Thessaloniki	81.45	327	eP	P	20 10 55.5 -0.7
PRK	Paraskevi	81.45	324	eP	P	20 10 56.9 +0.6
PRK	Paraskevi	81.45	324	P	P	20 10 56.9 +0.6
252A	Lumpkin baz=325	81.46	50	P	P	20 10 56.5 0.0
PLG	Polygyros	81.50	326	eP	P	20 10 56.0 -0.6
PLG	Polygyros	81.50	326	P	P	20 10 56.0 -0.6
PLG	Polygyros	81.50	326	eP	P	20 10 56.0 -0.6
ULC	Ulcinj	81.52	330	iP	P	20 10 56.0 -0.6
COCO	West Island	81.53	240	PFAKE	LR	20 11 10.0 +1.3
COCO	comp-Z,4um,18.0s					
COCO	West Island	81.53	240	iP	P	20 10 59.9 +3.1
W58A	Raeford	81.56	44	P	P	20 10 57.3 +0.3
351A	Pinckard baz=324	81.62	51	P	P	20 10 57.7 +0.4
Y56A	Pellon baz=326	81.64	46	P	P	20 10 57.5 +0.1
SIGR	SIGRI	81.64	324	eP	P	20 10 56.5 -0.8
SIGR	SIGRI	81.64	324	P	P	20 10 56.5 -0.8
X57A	Johnson Farm, baz=327	81.64	45	P	P	20 10 57.8 +0.4
LPL	La Plagne	81.64	340	eP	P	20 10 57.4 -0.1
LPL	comp-Z,1.70nm,1.1s			pmax	pmax	
BIA	Bitola	81.67	328	iP	P	20 10 57.3 -0.2
PPT	Papeete	81.69	130	P	P	20 11 00.1 +2.5
PPT	comp-Z,2.3nm,0.3s,baz=234,slow=18,SNR=3.4			LR	LR	20 43 14.4
PPT	Papeete	81.69	130	P	P	20 11 00.1 +2.5
PP2T	Papeete2	81.70	130	eP	P	20 10 58.5 +0.7
PP2T	comp-Z,1.29nm,1.2s					
PP2T	Papeete2	81.70	130	eS	S	20 21 05.6 -3.4
PP2T	comp-Z,1.4um,29.8s					
PP2T	Papeete2	81.70	130	eLR	LR	20 36 26.6
253A	Americus comp-Z,1.1um,22.0s,baz=326	81.71	49	eP	P	20 10 57.7 0.0
253A	comp-Z,2.28nm,1.6s			LR	LR	
253A	Americus baz=325	81.71	49	P	P	20 10 58.0 +0.2
Z55A	Blythe baz=326	81.72	47	P	P	20 10 58.2 +0.4
RAO	Raoul Island	81.75	159	PFAKE	LR	20 11 10.0 +1.2
RAO	comp-Z,7um,18.0s			LR	LR	
154A	Montrose comp-Z,2.36nm,1.2s	81.75	48	eP	P	20 10 58.5 +0.5
154A	comp-Z,1.0um,19.0s			LR	LR	
154A	Montrose	81.75	48	P	P	20 10 58.4 +0.4
KORT	Korkuelli baz=325	81.76	320	P	P	20 10 57.4 -0.8
PAE	Paea	81.76	130	eP	P	20 10 58.6 +0.6
OHR	Ohrid	81.77	329	iP	P	20 10 57.7 -0.3
352A	Blakely	81.79	50	PFAKE	LR	20 11 10.0 +1.2
352A	comp-Z,8um,19.0s			LR	LR	
352A	Blakely baz=325	81.79	50	P	P	20 10 58.5 +0.3
TIAR	Tiare	81.79	130	eP	P	20 10 58.7 +0.5
W59A	Clinton	81.80	43	P	P	20 10 58.5 +0.3
V60A	Jim Taylor Roa baz=326	81.81	42	P	P	20 10 58.7 +0.4
PAIG	Paliouri	81.81	326	eP	P	20 10 57.5 -0.7
PAIG	Paliouri	81.81	326	P	P	20 10 57.5 -0.7
PAIG	Paliouri	81.81	326	eP	P	20 10 57.5 -0.7
FNA	Florida	81.86	328	eP	P	20 10 57.5 -1.0
FNA	comp-Z,1.99nm,1.1s			eP	LR	20 10 58.0 -0.5
FNA	Florida	81.86	328	P	P	20 10 58.0 -0.5
FNA	Florida	81.86	328	eP	pmax	20 10 57.5 -1.0
FNA	comp-Z,1.99nm,1.1s			MLR	MLR	
FNA	comp-Z,2.8um,21.0s					
TIR	Tirane	81.87	329	eP	P	20 10 58.2 -0.2
TIR	comp-Z,2.7um,18.0s			LR	LR	
TIR	Tirane	81.87	329	P	P	20 10 58.4 -0.1
TIR	Tirane	81.87	329	iP	P	20 10 58.4 -0.1
TIR	Tirane	81.87	329	eP	pmax	20 10 58.2 -0.2
TIR	comp-Z,5.67nm,1.1s			MLR	MLR	
Y57A	Sumter baz=326	81.87	45	P	P	20 10 58.8 +0.2
BLCB	Balcova	81.90	323	P	P	20 10 59.1 -8.6
X58A	Rowland baz=327	81.91	44	P	P	20 10 59.0 +0.2
AYDB	Zeytinokoy-Aydi	81.95	322	P	P	20 10 59.1 0.0
MFF	Saint Martin d	81.95	345	eP	pmax	20 10 58.6 -0.2
MFF	comp-Z,2.23nm,1.3s			pmax	pmax	
CNCC	Cliffs of the	81.98	43	PFAKE	LR	20 11 10.0 +1.1
CNCC	comp-Z,1.6um,18.0s			LR	LR	
CNCC	Cliffs of the	81.98	43	P	P	20 10 59.2 +0.1
Z56A	Williston baz=326	81.99	47	P	P	20 10 59.8 +0.6
BHL	Bhannes	82.05	315	eP	P	20 10 59.5 -0.1
155A	Kite	82.05	48	P	P	20 10 60.0 +0.4
MOIG	Morelia	82.05	69	PFAKE	LR	20 11 10.0 +1.0
MOIG	comp-Z,5um,21.0s			LR	LR	
VLC	Villacollemand comp-Z,2.97nm,1.0s	82.05	337	eP	P	20 10 59.6 +0.2
VLC	comp-Z,4.5um,18.0s			LR	LR	
451A	Vernon	82.08	51	PFAKE	LR	20 11 10.0 +1.0
451A	comp-Z,9um,20.0s			LR	LR	
451A	Vernon	82.08	51	P	P	20 11 00.6 +0.8
LIT	Litokhoron	82.08	327	eP	P	20 10 58.3 -1.4
LIT	comp-Z,3.00nm,1.4s			LR	LR	
LIT	Litokhoron	82.08	327	eP	LR	20 10 58.7 -1.0
LIT	Litokhoron	82.08	327	eP	P	20 10 58.7 -1.0
LIT	comp-Z,3.00nm,1.4s			pmax	pmax	
LIT	comp-Z,2.25um,19.0s			MLR	MLR	
URLA	Izmir	82.10	323	P	P	20 10 59.7 -0.1
BNI	Bardonecchia comp-Z,1.42nm,1.1s	82.10	340	eP	P	20 11 00.1 +0.4
BNI	comp-Z,1.9um,21.0s			LR	LR	
KZN	Kozani	82.15	328	eP	P	20 10 59.2 -0.9
KZN	Kozani	82.15	328	P	P	20 10 59.2 -0.9
KZN	Kozani	82.15	328	eP	P	20 10 59.2 -0.9
ELL	Elmalı	82.16	320	P	P	20 11 00.1 -0.2
452A	Marianna baz=325	82.17	51	P	P	20 11 01.4 +1.2
254A	Abbeville baz=325	82.21	49	P	P	20 11 01.5 +1.1
CSS	Mathiatis comp-Z,7.44nm,1.6s	82.21	317	eP	P	20 10 59.8 -0.6
CSS	comp-Z,1.2um,19.0s			LR	LR	
CSS	Mathiatis	82.21	317	P	P	20 11 00.2 -0.2
W60A	Pink Hill baz=328	82.21	43	P	P	20 11 00.8 +0.5
X59A	McDuffie Farm, baz=327	82.22	44	P	P	20 11 00.7 +0.2

353A	Camilla baz=325	82.25	50	P	P	20 11 01.4 +0.8
DQRL	Deir Qamar	82.25	315	eP	P	20 11 00.8 +0.1
LHF	Lefka	82.27	317	P	P	20 11 00.3 -0.4
LFK	Lefka	82.27	317	iP	P	20 10 59.9 -0.3
CHOS	Chios island	82.28	324	P	P	20 11 00.0 -0.8
CHOS	Chios island	82.28	324	P	P	20 11 00.0 -0.8
Y58A	Scranton baz=327	82.30	45	P	P	20 11 01.4 +0.6
NECY	Rachaya	82.30	314	eP	P	20 11 00.8 -0.3
RST	Rachaya	82.31	328	P	P	20 11 00.2 -0.7
Z57A	Bowman baz=326	82.33	46	P	P	20 11 01.5 +0.5
SSB	Saint Sauveur comp-Z,108nm,0.9s	82.34	341	eP	P	20 11 01.2 +0.2
SSB	comp-Z,2.2um,18.0s			LR	LR	
SSB	Saint Sauveur	82.34	341	eP	pmax	20 11 01.2 +0.2
SSB	comp-Z,108nm,0.9s			pmax	pmax	
SSB	comp-Z,1.1um,19.0s			MLR	MLR	
AOS	Alonnisos	82.41	326	eP	P	20 11 00.5 -0.8
AOS	Alonnisos	82.41	326	P	P	20 11 00.5 -0.8
GCAN	Alonnisos?	82.42	323	P	P	20 11 01.0 -0.1
W61A	Ground Anchor baz=328	82.43	42	P	P	20 11 01.6 +0.1
SHBL	Chebaa	82.47	314	eP	P	20 11 01.9 0.0
PENT	Pentalofos	82.47	328	P	P	20 11 01.3 -0.5
TIGA	Tifton	82.48	49	eP	P	20 11 02.6 +0.8
TIGA	comp-Z,1.82nm,1.1s			LR	LR	
TIGA	comp-Z,1.3um,19.0s			LR	LR	
TIGA	Tifton	82.48	49	P	P	20 11 02.9 +1.1
XOR	Xorichiti	82.48	326	eP	P	20 11 00.5 -1.3
XOR	Xorichiti	82.48	326	P	P	20 11 00.5 -1.3
156A	Sylvania	82.49	47	P	P	20 11 03.0 +1.1
X60A	Albert Glenn T baz=328	82.50	43	P	P	20 11 02.1 +0.3
NEO	Neokhori	82.53	326	eP	P	20 11 00.8 -1.2
NEO	Neokhori	82.53	326	P	P	20 11 00.8 -1.2
FYTO	Fytoko, Volos	82.54	326	eP	P	20 11 01.0 -1.0
FYTO	Fytoko, Volos	82.54	326	P	P	20 11 01.0 -1.0
SKIA	Skiathos	82.56	326	P	P	20 11 00.7 -1.5
SMG	Samos	82.57	323	eP	P	20 11 01.3 -0.9
SMG	Samos	82.57	323	P	P	20 11 01.3 -0.9
TURN	Turunc	82.59	321	P	P	20 11 03.7 +1.4
FETY	Fethiye	82.60	321	eP	P	20 11 01.2 -0.2
FETY	Fethiye	82.60	321	eP	P	20 11 01.9 -0.5
FETY	Fethiye	82.60	321	P	P	20 11 01.9 -0.5
453A	Whigham	82.60	50	PFAKE	LR	20 11 01.0 +7.5
453A	comp-Z,9um,19.0s			LR	LR	
453A	Whigham	82.60	50	P	P	20 11 03.7 +1.3
KPRO	Kipourio	82.61	328	P	P	20 11 01.6 -0.9
DALY	Dalyan (Mula)	82.61	321	P	P	20 11 02.7 +0.3
255A	Hazlehurst comp-Z,4.45nm,1.6s	82.62	48	eP	P	20 11 03.6 +1.0
255A	comp-Z,1.0um,18.0s			LR	LR	
255A	Hazlehurst	82.62	48	P	P	20 11 03.7 +1.2
STKA	Stevens Creek comp-Z,1.0nm,1.0s,baz=6.8,slow=5.1,SNR=10	82.70	194	P	P	20 11 02.6 0.0
STKA	comp-Z,3um,18.0s,baz=5.2,slow=3.8			LR	LR	20 51 33.5
STKA	Stevens Creek	82.70	194	eP	P	20 11 02.7 +0.1
STKA	comp-Z,4.3nm,2.0s			LR	LR	
STKA	comp-Z,2um,20.0s			LR	LR	
STKA	Stevens Creek	82.70	194	eP	pmax	20 11 02.7 +0.1
STKA	comp-Z,4.3nm,2.0s			pmax	pmax	
STKA	comp-Z,2um,20.0s			MLR	MLR	
157A	Early Branch baz=326	82.70	47	P	P	2



19d 19h

TBI	Tubuai	86.67 133	eLR	LR	20 38 37.9
MORW	Morawa	86.92 216	eP	P	20 11 23.3 -0.7
058A	Arcadia	86.96 50	P	P	20 11 25.4 +0.9
959A	Okeechobee	87.03 49	P	P	20 11 26.1 +1.3
059A	Moore Haven	87.37 50	PFAKE LR	LR	20 11 40.0 +1.4
059A	Moore Haven	87.37 50	P	P	20 11 27.6 +1.1
CLTB	Caitabellotta	87.40 332	eP	P	20 11 26.2 -0.4
CLTB	Mahon	87.55 340	P	LR	20 11 27.9 +0.8
MAHO	Mahon	87.55 340	P	S	20 22 05.7 -1.0
PBRG	Braganca	87.63 348	eP	P	20 11 26.8 -0.8
PGAV	Gavieira, Arco	87.66 350	eP	P	20 11 30.2 +2.4
PGAV	Gavieira, Arco	87.66 350	eSKS	S	20 22 15.7 +7.6
PGAV	Gavieira, Arco	87.66 350	eLR	LR	20 41 19.6
060A	Indiantown	87.69 49	PFAKE LR	LR	20 11 40.0 +1.2
060A	Indiantown	87.69 49	P	P	20 11 29.4 +1.4
059Z	Ave Maria	87.74 50	P	P	20 11 29.7 +1.4
TOOR	Toolangi	87.79 190	PFAKE LR	LR	20 11 40.0 +1.2
TOO	Toolangi	87.79 190	PFAKE LR	LR	20 11 40.0 +1.2
PCAB	Cabrill	87.89 349	eP	P	20 11 32.7 +3.9
060Z	West Palm Beach	88.12 50	P	P	20 11 31.8 +1.7
POLO	Lamas de Olo	88.19 349	eP	P	20 11 29.8 -0.5
PVRL	Vila Real	88.28 349	eP	P	20 11 30.9 +0.2
MVO	Moncorvo	88.30 349	eP	P	20 11 30.5 -0.3
MVO	Moncorvo	88.30 349	eSKS	S	20 22 19.9 +5.8
MVO	Moncorvo	88.30 349	eLR	LR	20 40 44.4
061Z	Ochoppi	88.40 50	PFAKE LR	LR	20 11 40.0 +8.6
061Z	Ochoppi	88.40 50	P	P	20 11 32.4 +1.0
UCM	Universidad Co	88.59 346	P	S	20 11 31.9 -0.2
UCM	Universidad Co	88.59 346	P	S	20 22 16.6 -0.2
WDD	Wied Dalam	88.60 331	eP	P	20 11 31.7 -0.5
WDD	Wied Dalam	88.60 331	eP	LR	20 11 32.7 +3.9
WPV	Visu	88.85 349	eP	P	20 11 33.2 -0.2
MXZ	Matakoa Point	89.00 164	PFAKE LR	LR	20 11 50.0 +1.6
MXZ	Matakoa Point	89.00 164	PFAKE LR	LR	20 11 50.0 +1.6
RTE	Manteigas	89.12 349	eP	P	20 11 34.6 -0.1
MTE	Manteigas	89.12 349	eSKS	S	20 22 30.5 +8.7
MTE	Manteigas	89.12 349	eLR	LR	20 44 31.8
MTE	Manteigas	89.12 349	eP	P	20 11 33.9 -0.8
MTE	Manteigas	89.12 349	eP	LR	20 11 33.9 -0.8
TEIG	Tepich	89.12 59	PFAKE LR	LR	20 11 50.0 +1.5
TEIG	Tepich	89.12 59	PFAKE LR	LR	20 11 50.0 +1.5
ES06	Sonsesa Array	89.32 346	eP	P	20 11 34.9 -0.7
ESDC	Sonsesa Array	89.33 346	eP	P	20 11 35.2 -0.4
ESDC	Sonsesa Array	89.33 346	eP	P	20 58 02.0
ESLA	Sonsesa Array	89.33 346	eP	P	20 11 35.1 -0.5
ESLA	Sonsesa Array	89.33 346	eP	LR	20 11 35.1 -0.5
HIZ	Haiti	89.36 167	PFAKE LR	LR	20 11 50.0 +1.5
HIZ	Haiti	89.36 167	PFAKE LR	LR	20 11 50.0 +1.5
URZ	Urewera	89.47 165	LR	LR	20 51 02.6
URZ	Urewera	89.47 165	PFAKE LR	LR	20 11 50.0 +1.4
URZ	Urewera	89.47 165	PFAKE LR	LR	20 11 50.0 +1.4
PAB	San Pablo	89.51 346	eP	P	20 11 35.5 -1.0
PAB	San Pablo	89.51 346	eP	LR	20 11 35.5 -1.0
PAB	San Pablo	89.51 346	eP	P	20 11 35.5 -1.0
PAB	San Pablo	89.51 346	eP	LR	20 11 35.5 -1.0
PAB	San Pablo	89.51 346	eP	LR	20 11 35.5 -1.0
PAB	San Pablo	89.51 346	eP	LR	20 11 35.5 -1.0
PCAS	Casmilo, Conde	89.58 349	eP	P	20 11 37.1 +0.4
PCBR	Castelo Branco	89.66 349	eP	P	20 11 36.8 -0.3
CAEH	Ain El Ouahch	89.90 337	P	P	20 11 39.3 +1.0
CMAH	Djebel Manchou	89.90 337	P	P	20 11 37.7 -0.7
NWAO	Narrogin (SRO)	89.97 213	PFAKE LR	LR	20 11 50.0 +1.2
NWAO	Narrogin (SRO)	89.97 213	PFAKE LR	LR	20 11 50.0 +1.2
PTOM	Tomar	90.00 349	eP	P	20 11 38.3 -0.4
PMRV	Marv??o	90.06 349	eP	P	20 11 39.5 +0.5
PMRV	Marv??o	90.06 349	eSKS	S	20 22 20.3 -1.0
PMRV	Marv??o	90.06 349	eLR	LR	20 44 29.5
CCIG	Comitan	90.06 64	PFAKE LR	LR	20 11 50.0 +1.0
CCIG	Comitan	90.06 64	PFAKE LR	LR	20 11 50.0 +1.0
ABSA	Djebel Ababsia	90.22 336	P	P	20 11 39.5 -0.4
KEST	Kesra	90.23 335	eP	P	20 11 39.8 -0.2
KEST	Kesra	90.23 335	eP	LR	20 57 42.1
KEST	Kesra	90.23 335	eP	P	20 11 39.3 -0.7
KEST	Kesra	90.23 335	eP	LR	20 11 39.3 -0.7
KEST	Kesra	90.23 335	eP	LR	20 11 39.3 -0.7
BKZ	Black Stump Fm	90.25 166	PFAKE LR	LR	20 11 50.0 +1.0
BKZ	Black Stump Fm	90.25 166	PFAKE LR	LR	20 11 50.0 +1.0
CKFL	Kef-Lekhel	90.29 337	P	P	20 11 39.9 -0.4
DFRA	Djebel Bou Aff	90.37 338	P	P	20 11 40.8 +0.2
ALMR	Almeirim	90.47 349	eP	P	20 11 40.6 -0.3
ALMR	Almeirim	90.47 349	eSKS	S	20 22 10.9 +0.3
ALMR	Almeirim	90.47 349	eAMS	AMS	20 00 04.2
CASM	Ain Smara	90.48 337	P	P	20 11 40.4 -0.7
PMTG	Montargil	90.52 349	eP	P	20 11 39.9 -1.2
PESTR	Estremoz	90.64 349	eP	P	20 11 41.4 -0.3
PESTR	Estremoz	90.64 349	eP	P	20 11 40.8 -0.9
PESTR	Estremoz	90.64 349	eP	LR	20 11 40.8 -0.9
PESTR	Estremoz	90.64 349	eP	LR	20 11 40.8 -0.9
PESTR	Estremoz	90.64 349	eP	LR	20 11 40.8 -0.9
H07S1	FLORES T-PHASE	90.72 7	eP	P	20 11 47.8 +5.7
SET	Setif	90.81 338	P	P	20 11 41.0 -1.7
CART	Cartagena	90.85 343	PFAKE LR	LR	20 11 50.0 +7.3
CART	Cartagena	90.85 343	P	LR	20 11 50.0 +7.3
CART	Cartagena	90.85 343	P	P	20 11 39.6 -3.0
CART	Cartagena	90.85 343	P	S	20 22 22.7 +1.0
CKRH	Kef el Ahmar	90.96 338	P	P	20 11 43.6 +0.2
LIS	Lisbon	90.97 350	eP	P	20 11 42.9 -0.3
LIS	Lisbon	90.97 350	eSKS	S	20 22 13.7 +0.2
LIS	Lisbon	90.97 350	eAMS	AMS	20 58 18.9
LIS	Lisbon	90.97 350	eP	P	20 11 42.9 -0.3
LIS	Lisbon	90.97 350	eP	P	20 11 43.7 +0.7
EVO	Evora	91.02 349	P	S	20 22 25.8 -1.4

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PBEJ	Beja	91.50 349	eP	P	20 11 47.8 +2.1
ROSA	Rosais	91.57 5	PFAKE LR	LR	20 12 00.0 +1.4
ROSA	Rosais	91.57 5	eP	LR	20 11 47.4 +1.4
BFZ	Birch Farm	91.69 166	PFAKE LR	LR	20 12 00.0 +1.4
BFZ	Birch Farm	91.69 166	PFAKE LR	LR	20 12 00.0 +1.4
PCVE	Castro Verde	91.91 349	eP	P	20 11 47.2 -0.4
SNZO	South Karori	92.08 167	PFAKE LR	LR	20 12 00.0 +1.2
EMAL	Malaga-Limon	92.25 346	P	P	20 11 47.8 -1.4
EMAL	Malaga-Limon	92.25 346	P	SKS	20 22 22.4 +1.6
THZ	Tophouse	92.28 169	PFAKE LR	LR	20 12 00.0 +1.1
MORF	Marlelete	92.31 349	eP	P	20 11 49.1 -0.4
MORF	Marlelete	92.31 349	eP	PP	20 25 29.8 +0.7
MORF	Marlelete	92.31 349	eP	SKS	20 22 21.4 +0.1
MORF	Marlelete	92.31 349	eP	AMS	21 00 26.2
MORF	Marlelete	92.31 349	eP	P	20 11 49.4 -0.1
MORF	Marlelete	92.31 349	eP	P	20 11 49.1 -0.4
MORF	Marlelete	92.31 349	eP	P	20 15 29.8
MORF	Marlelete	92.31 349	eP	P	20 22 21.4
PFVI	Vila Bisbo	92.50 349	PFAKE LR	LR	20 12 00.0 +1.0
PFVI	Vila Bisbo	92.50 349	PFAKE LR	LR	20 12 00.0 +1.0
PSET	Sete Cidades	92.57 3	eP	P	20 11 51.3 +0.6
DGAR	Diego Garcia	92.57 262	PFAKE LR	LR	20 12 00.0 +9.1
DGAR	Diego Garcia	92.57 262	PFAKE LR	LR	20 12 00.0 +9.1
CMLA	Cha da Macela	92.64 3	PFAKE LR	LR	20 12 00.0 +9.0
CMLA	Cha da Macela	92.64 3	eP	P	20 11 54.1 +3.1
SFS	San Fernando	92.81 347	PFAKE LR	LR	20 12 00.0 +8.3
SFS	San Fernando	92.81 347	P	P	20 11 51.6 -0.1
SFS	San Fernando	92.81 347	P	SKS	20 22 32.9 +9.0
SFS	San Fernando	92.81 347	P	SKS	20 12 00.0 +8.3
TAU	Tasmania Unive	92.91 188	PFAKE LR	LR	20 12 00.0 +7.9
KHZ	Kahutara	93.00 168	PFAKE LR	LR	20 12 00.0 +7.9
KHZ	Kahutara	93.00 168	PFAKE LR	LR	20 12 00.0 +7.9
CEU	Ceuta	93.24 346	P	SKS	20 11 50.0 -3.8
CEU	Ceuta	93.24 346	P	SKS	20 22 25.4 -0.9
DAMY	Dhamar	93.27 297	PFAKE LR	LR	20 12 10.0 +1.5
DAMY	Dhamar	93.27 297	PFAKE LR	LR	20 12 10.0 +1.5
PSMN	Pico do Norte	93.41 2	eP	P	20 11 54.3 -0.2
MELI	Melilla	93.43 344	P	P	20 11 52.7 -1.9
OXZ	Oxford	93.72 170	PFAKE LR	LR	20 12 10.0 +1.5
OXZ	Oxford	93.72 170	PFAKE LR	LR	20 12 10.0 +1.5
RKT	Rikitea	93.92 122	eSKS	SKS	20 22 27.9 -2.0
RKT	Rikitea	93.92 122	eSP	SP	20 24 14.0 -5.7
RKT	Rikitea	93.92 122	eLR	LR	20 41 43.8
RPZ	Rata Peaks	93.99 170	PFAKE LR	LR	20 12 10.0 +1.3
RPZ	Rata Peaks	93.99 170	PFAKE LR	LR	20 12 10.0 +1.3
TGUH	Teguigalpa,Un	94.64 62	PFAKE LR	LR	20 12 10.0 +1.0
TGUH	Teguigalpa,Un	94.64 62	PFAKE LR	LR	20 12 10.0 +1.0
WKZ	Wanaka	94.89 172	PFAKE LR	LR	20 12 10.0 +9.2
WKZ	Wanaka	94.89 172	PFAKE LR	LR	20 12 10.0 +9.2
ODZ	Otahua Downs	95.26 171	PFAKE LR	LR	20 12 10.0 +7.6
ODZ	Otahua Downs	95.26 171	PFAKE LR	LR	20 12 10.0 +7.6
RTC	Rabat Centre	95.34 347	PFAKE LR	LR	20 12 10.0 +6.6
RTC	Rabat Centre	95.34 347	PFAKE LR	LR	20 12 10.0 +6.6
CSGN	Cosiguina Voic	95.35 63	PFAKE LR	LR	20 12 20.0 +1.6
CSGN	Cosiguina Voic	95.35 63	PFAKE LR	LR	20 12 20.0 +1.6
WHZ	Wether Hill Ro	95.85 173	PFAKE LR	LR	20 12 20.0 +1.5
WHZ	Wether Hill Ro	95.85 173	PFAKE LR	LR	20 12 20.0 +1.5
ESTN	Estel	95.93 62	PFAKE LR	LR	20 12 20.0 +1.3
ESTN	Estel	95.93 62	PFAKE LR	LR	20 12 20.0 +1.3
AVE	Averroes	96.09 348	P	SKS	20 12 05.4 -1.5
AVE	Averroes	96.09 348	P	SKS	20 22 45.7 +4.0
GTBY	Guantanamo Bay	96.25 49	PFAKE LR	LR	20 12 20.0 +1.2
GTBY	Guantanamo Bay	96.25 49	PFAKE LR	LR	20 12 20.0 +1.2
MTDJ	Mount Denham	96.48 52	PFAKE LR	LR	20 12 20.0 +1.1
MTDJ	Mount Denham	96.48 52	PFAKE LR	LR	20 12 20.0 +1.1
ATD	Arta Tunnel	96.59 296	PFAKE LR	LR	20 12 20.0 +1.1
ATD	Arta Tunnel	96.59 296	PFAKE LR	LR	20 12 20.0 +1.1

Table with columns: Code, Station Name, Azimuth, Altitude, Azimuth Error, Altitude Error, and other parameters. Includes stations like Casey, Pitinga, Dimbokoro, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Azimuth Error, Altitude Error, and other parameters. Includes stations like Cerro Castillo, Torquisto, Canela, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Azimuth Error, Altitude Error, and other parameters. Includes stations like Beijing, Baijiatou, Baijiatou, etc.

NIED 19 19:59:00, 39:70N, 143:40E, h20km, Mw4.4 Best double couple. Mo:4.75000x10^15 NP1:166.00000, delta.00000, lambda.00000. NP2:36.00000, delta.74.00000, lambda.128.00000. IDC 19 19:59:23.5, 1.7, 39:64N, 143:67E, h0km, mb4.2/5, mb1.4, 3/9, mb1m4.1/49, mbmtpa4.2/9, ML3.5/4, Error ellipse: s-maj=39.7km s-min=21.7km az=67.0 JMA 19 19:59:25.9, 0.2, 39.66N, 143.43E, h25km, 4km, M4.6 MOS 19 19:59:26.0, 0.6, 39.58N, 143:51E, h26km, mb4.8/5, Error ellipse: s-maj=12.5km s-min=7.7km az=78.5 ISCJB 19 19:59:26.1, 1.2, 39:61N, 143:44E, 0.04, h26km, gkm, mb4.8/48, Error ellipse: s-maj=5.8km s-min=3.8km az=139.8 NEIC 19 19:59:29.6, 2.9, 39:69N, 143:26E, h35km, 7km, mb5.0/39, Error ellipse: s-maj=16.1km s-min=11.2km az=115.0 ISC 19 19:59:25.3, 1.9, 39:65N, 143:39E, 0.06, h8km, 11km, m126, e1970/138, mb5.0/47, 3D, Off east coast of Honshu



Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like SCRC Sand Creek, SARN Sarigan, EGAK Eagle, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like WR1 Warramunga Arr, WRA Warramunga Arr, TXAR Tajira, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like TBG Guadaloupe-3, TBG St. Eustatius, SEUS St. Eustatius, etc.

TEH 19:20:22.33.6, 32:78N-51:81E, h10km, ML4.1
IDC 19:20:22.33.9, 0.6, 32:82N-51:81E, h8km, mb3.8/2.0
mb1 3.9/2.5, mb1mx3.8/4.7, ttp3.8/2.5, ML3.5/6, MS4.4/1,
Ms1 4.4/1, ms1mx3.8/5.0, Error ellipse: s-maj=17.3km
s-min=12.9km az=162.0
NEIC 19:20:22.33.0, 0.2, 32:80N-51:81E, h8km, mb4.3/3/1,
MN4.1 (TEH), After TEH.
NEIC Felt [III] at Esfahan. Also felt at Ardistan, Dowlatabad,
Shahin Shahr and Shahreza.
ISCJB 19:20:22.34.4, 0.2, 32:75N-0:02-51:75E, 0:02, h10km,
mb4.1/4.0, MS4.2/1, Error ellipse: s-maj=3.5km
s-min=2.8km az=16.9
THR 19:20:22.34.6, 32:78N-51:71E, h14km, ML4.0
ISC 19:20:22.34.8, 0.4, 32:79N-0:02-51:80E, 0:02, h10km, n151,
s=1893/143, mb4.2/0, 6C-7D, NorthEast and Central Iran

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like IGAR Gharneh, IZEF Zefreh, IKLH Kohalrood, etc.

19d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GEYT, GYA0B, GYB01, WSAR, etc.

2013 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KS15, KSRS, LBTB, etc.

IDC 19:20:24.16.9.2.2, 49.60N, 157.27E, h0km, mb3.4/6, mb1 3.7/7, mb1mx3.4/4, mbtrmp3.4/7, ML2.5/1, Error ellipse: s-maj=59.7km s-min=29.0km az=3.0

KRSC 19:20:24.21.8.10.0, 49.96N, 157.97E, h40km, 10km, ML4.2 ISCBJ 19:20:24.24.0.1.0, 49.96N, 157.97E, 0.1, h41km, mb3.4/6, Error ellipse: s-maj=9.8km s-min=8.9km az=143.5

ISC 19:20:24.24.8.1.2, 49.99N, 157.74E, 0.08, h41km, m28, c1940/26, mb3.4/6, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR, SKR1, ALID, ASAK, etc.

MEX 19:20:36.12.7.0.6, 16.80N, 99.73W, h14km, 2km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ACP2, ACP2, CAIG, etc.

ISC 19:20:42:06.6.37.34N, 37.14E, h7km, ML2.5/10 ISCBJ 19:20:42:07.5.0.5, 37.30N, 103.37E, 1.1E, 0.03, h5km, 5km, Error ellipse: s-maj=5.6km s-min=4.1km az=25.9

DDA 19:20:42:07.0.37.32N, 37.11E, h5km, 2km, ML3.1 ISC 19:20:42:07.5.1.0, 37.32N, 103.37E, 1.3E, 0.03, h7km, 9km, n25, c048/30, Turkey

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

IDC 19:20:49:59.0.2.3, 36.98N, 36.94E, h0km, mb3.2/3, mb1 3.4/6, mb1mx3.2/3, mbtrmp3.2/6, ML3.0/3, Error ellipse: s-maj=44.0km s-min=16.3km az=17.0

ISK 19:20:49:59.7, 37.34N, 37.14E, h5km, ML3.8/32 ISCBJ 19:20:50:00.9.0.4, 37.35N, 102.37E, 0.02, h7km, 3km, mb3.1/2, Error ellipse: s-maj=3.2km s-min=2.6km az=179.7

DDA 19:20:50:00.1, 37.32N, 37.12E, h8km, 1km, ML4.0 GII 19:20:50:03.4.0.0, 37.34N, 37.12E, h11km

1206

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

MDD 19:20:52:29.9.2.1, 36.73N, 12.15W, h0km, mb3.9/2, Error ellipse: s-maj=18.3km s-min=13.9km az=99.0, PRXIMO SOLLUCIN POJBE

INMG 19:20:52:28.9.1.3, 36.56N, 12.57W, h10km, ML2.3, Error ellipse: s-maj=9.3km s-min=5.8km az=92.0

ISC 19:20:52:29.5.3.0, 36.93N, 11.9W, 0.1, h10km, n50, c253/73, Azores-Cape St. Vincent Ridge

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

Table with columns: PTEO, Sao Teotónio, 2.61, 75, S, Sb, 20 53 46.9 -1.5, MORF, Marlete, 2.62, 81, ePn, Pb, 20 53 14.0 -2.6, etc.

Table with columns: GAZ, Kahramanmara, 0.17, 296, i, P, Sg, Pg, 21 02 32.0 +0.6, AYKD, Aykindikavak, 0.27, 302, i, P, S, Pb, Sg, 21 02 31.8 -0.5, etc.

Table with columns: PET, comp=N,950nm,0.6s, A, A, 21 24 01.2, DALK, Dally, 3.15, 12, eP, S, 21 23 18.9 -0.7, UGLR, Uglovsy, 3.33, 12, eP, Pn, 21 23 22.2 0.0, etc.

AEIC 19 20:58:22.4-0.0, 51.25Nk, 174.97W, h19km
NEIC 19 20:58:23.1+1.4, 51.23Nk, 174.98W, h47km, 30km,
ML3-4(AEIC), ML3.3(AEIC), Error ellipse: s-maj=10.7km

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, GSMY, Great Sitkin M, 1.06, 321, Op, P, 20 58 41.4 -0.2, ATKA, Atka Island, 1.09, 26, ePn, Pn, 20 58 41.1 -0.9, etc.

IDC 19 21:15:56.3-1.9, 4.02S, 144.24E, h0km, mb3.4/3,
mb1 3.8/4, mb1mx3.4/37, mbtmp3.8/5, ML3.8/1, Error
ellipse: s-maj=88.3km, s-min=28.9km az=122.0, Near
north east of New Guinea

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, WRA, Warramunga Ar, 18.54, 211, P, Pn, 21 20 15.2 +0.4, ASAR, Alice Springs, 21.94, 206, P, P, 21 21 01.1 -0.5, FITZ, Fitzroy Crossing, 22.96, 321, P, P, 21 21 02.5 0.0, etc.

KRSC 19 21:22:27.9-10.0, 49.87N, 158.07E, h43km, 10km, ML5.1
ISCJB 19 21:22:29.0-1.0, 49.92N, 158.07E, h24km, 7km,
mb4.6/168, MB4.9/2, Error ellipse: s-maj=5.3km
s-min=3.4km az=151.0

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, SKHL, 19 21:22:29.1-0.1, 49.75N, 157.90E, h54km, 4km, mb5.3/2, MOS, 19 21:22:30.8-1.0, 49.97N, 157.58E, h39km, mb4.8/41, Error ellipse: s-maj=7.8km, s-min=3.6km az=84.5, NEIC, 19 21:22:33.0-0.6, 50.01N, 157.53E, h41km, 5km, mb4.7/109, Error ellipse: s-maj=5.8km, s-min=2.8km az=155.0, etc.

DDA 19 21:02:23.9, 37.19N, 37.09E, h7km, 5km, ML2.9
ISCJB 19 21:02:25.6-0.6, 37.26N, 103.37E, h2km, 5km,
Error ellipse: s-maj=6.1km, s-min=4.2km az=35.4

ISK 19 21:02:25.5, 37.32N, 103.37E, h7km, ML2.1/6
ISC 19 21:02:25.5, 37.32N, 103.37E, h10.0, h13km, 6km,
n19, c100/24, Turkey

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, GAZ, Gaziantep, 0.14, 137, PG, Pg, 21 02 29.1 +0.5

BWA 19 21:02:25.5, 37.32N, 103.37E, h7km, ML2.1/6
ISC 19 21:02:25.5, 37.32N, 103.37E, h10.0, h13km, 6km,
n19, c100/24, Turkey

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, PET, Petropavlovsk, 3.13, 11, ePn, S, 21 23 18.2 -1.0, PET, Petropavlovsk, 3.13, 11, eS, S, 21 23 18.6 -0.7, etc.



19d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TOLK, KNK, SML, MDM, WRH, COLA, CCB, DHY, HDA, ILAR, ILB, H11S1, H11S3, H11S2, PRP, KLU, PAX, PAX, FYU, HARP, SONM, TLY, TLY, TLY, NJ2, ZAK, BALM, BALM, EGAK, DAWY, HYT, INK, INK, INK, WHN, WHY, SKAG, TPUB, LZH, LZH, LZH, LZH, DLBC, GTA, GTA, GTA, KWAJ, KWAJ, ZALV, ZALV, NVS, CD2, CD2, YKW3, YKA, YKA, YKB5, WMQ, WMQ, WMQ, WMQ, RES, RES, RES, RES, KURK, KURK, MK31, MK31, MKAR, MKAR, MK01, KURBB, KURBB, MAKZ, MAKZ, MAKZ.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KMI, LLLB, SPA0, SPITS, TULET, BRVK, BRVK, BRVK, DAG, DAG, DAG, SKNT, ARU, ARU, ARU, AAK, AAK, AAK, UTCA, ARCES, CHTO, CHTO, CHTO, CMAR, CHAI, CHAI, CHAI, FFC, FFC, PAHR, KK31, KK31, KK31, KKAR, KKAR, KKAR, HLID, SUMG, SUMG, SUMG, KVN, KVN, KVN, NV01, NVAR, YHH, ELK, ELK, ELK, YFT, ABKAR, H17A, IMW, RLMT, FXWY, MOOW, TPWA, LOHW, REDW, LAO, DUG, DUG, BW06, PD31, PDAR, PDAR, TMUT, MTPU, FINES, FINES, FINES, RSSD, RSSD, RSSD, U15A, PV21, PV23, PV10, PV14, PV20, PV17, PV17, PV11, PV03, PV13, PV01, SMCO, ISCO, MICO, S22A.

1208

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NB2, NOA, ECSD, T25A, T25A, LAZ, ANMO, LENM, SCHG, MSTX, AKAS, KIEV, KIEV, MNTX, KBZ, WMOK, WMOK, WRAB, WRAB, WBA, WBA, WRA, TX31, TXAR, FITZ, FITZ, KWP, KWP, EKA, EKA, ESK, KSP, KSP, NIE, NIE, BUR08, BURAR, BURAR, UPC, UPC, OKC, OKC, CLL, CLL, CLL, CLL, DPC, DPC, DPC, BIZ, BIZ, KRLC, KRLC, BRG, BRG, BRG, TRPA, MIAR, MIAR, MORC, MORC, MORC, MORC, LANS, LANS, PVCC, PVCC, VRI, PRU, PRU, GORP, GORP, CFR, VRAC, VRAC, VRAC, MOX, MOX, MOX, VYHS, JKC, JKC, NKC, KRUC, KRUC, TREC, TREC, MLR, MLR, MLR, TIRR, TIRR, ASAR, ASAR, MODS, VOIR, VOIR, KHC, KHC, KHC, KHC, GRF, GRF, GRF, GRFO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like frequency and power.

1921:33:24.7-1.5, 35:17Sx178.73E, h0km, mb4.1/5, mb1.4/3.6, mb1mx4.0/28, mbtmp4.1/6, ML2.71, Error ellipse: s-maj=43.8km s-min=24.8km az=41.2

ISCJJB 19 21:33:29.2, 1.0, 35:29S, 0.06x179.5E, 0.1, h33km, mb4.1/5, Error ellipse: s-maj=14.9km s-min=8.7km az=164.3

ISC 19 21:33:30.0, 1.2, 35:22S, 0.10x178.5E, 0.1, h35km, m41, s=158/50, mb4.1/5, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details.

BJI 19 21:40:59.6, 27.00N, 53:25E, h10km, mb4.8/55, mB5.2/21, Ms4.9/13, Ms7.7/13
TEH 19 21:41:04.8, 27.06N, 53:91E, h10km, ML5.0
GII 19 21:41:05.9, 0.0, 27.06N, 53:86E, h10km
THR 19 21:41:05.3, 26.99N, 53:94E, h34km, ML5.0
ISCJJB 19 21:41:05.2, 0.1, 27.07N, 0.02x53.81E, 0.02, h19km, mb4.8/152, MS4.3/10, Error ellipse: s-maj=2.6km s-min=1.8km az=32.0
DSN 19 21:41:06.4, 0.4, 27.13N, 53:95E, h10km, mb5.1/6, ML4.8/11, Error ellipse: s-maj=7.8km s-min=4.1km az=43.0

MOS 19 21:41:07.2, 0.9, 27.03N, 53:84E, h33km, mb5.0/50, Error ellipse: s-maj=6.2km s-min=3.7km az=107.2
NEIC 19 21:41:07.7, 1.2, 27.07N, 53:84E, h26km, mb4.9/27, MN5.0(TEH), Error ellipse: s-maj=7.0km s-min=5.6km az=200.0
NEIC Felt at Bandar-e Lengeh.
OMAN 19 21:41:07.4, 0.4, 27.03N, 53:86E, h17km, 2km, ml4.9/15, Error ellipse: s-maj=2.1km s-min=1.6km az=21.0
IDC 19 21:41:08.0, 1.2, 27.11N, 53:87E, h27km, 7km, mb4.6/36, mb1.4/7.41, mb1mx4.7/45, mbtmp4.7/41, ML4.1/6, MS4.1/10, Ms1.4/7.10, ms1mx3.6/51, Error ellipse: s-maj=9.6km s-min=9.3km az=124.0

ISC 19 21:41:06.7, 0.3, 27.04N, 0.03x53.83E, 0.03, h19km, n502, s=124/556, mb4.8/153, MS4.2/10, 44C-11D, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details.

19d 21h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like BR131 Keskin Array S, BRTR Keskin Array B, etc.

2013 APR

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like MLR comp=Z,5.4nm,0.4s,baz=347,slow=4.9,SNR=30, etc.

1210

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like CRES Cresnev, NVLJ Novolja, etc.

Table with columns: CD2, Chengdu, 43.56 73 P, P, 21 49 08.0 -1.6, etc. Includes stations like Signal de Mont, Nan, Kunming, Uthairi, etc.

Table with columns: ALMR, Almeirim, 52.73 300 eP, P, 21 50 20.6 +0.3, etc. Includes stations like Almeirim, Vila Bisbo, TAIAN, etc.

Table with columns: LKR, Lokris, 0.61 217 P, P, 21 45 49.7 +0.1, etc. Includes stations like Lokris, Palliouri, Agios Georgios, etc.







20d Oh

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KSRS Korea Array, KSRK Krasnodar, ZSN Zaisan, etc.

2013 APR

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like JNU Nakatsue, BHPL Bhopal, TDK Taldyqorghana, etc.

1214

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like AAK SNR=697, AAK Ala-Archa, SGDS SGDS, etc.







20d Oh

Table with columns: BGKT, Bogazkoy, 59.59 303, P, P, 00 12 49.8 -0.9, ARG, Arkhangelos, 61.49 297, P, P, 00 13 01.7 -2.0, etc.

2013 APR

Table with columns: ARG, Arkhangelos, 61.49 297, P, P, 00 13 01.7 -2.0, etc.

1218

Table with columns: QJC, OJC, 63.26 314, eP, P, 00 13 14.8 -0.6, etc.

Table with columns: TBLU, comp-Z, location, time, status, and values. Includes entries for BSD, NC303, VAM, PROD, DID, MORC, etc.

Table with columns: PHP, Peshkopia, time, status, and values. Includes entries for PHP, Peshkopia, OSLO, TIH, etc.

Table with columns: KFL, Anninata, time, status, and values. Includes entries for KFL, Anninata, AKN, etc.





1221

Table with columns for call sign, frequency, power, and other technical details. Includes entries like PAX, SCRK Sand Creek, DOT Dot Lake, etc.

2013 APR

Table with columns for call sign, frequency, power, and other technical details. Includes entries like KULLO, SSB, RES, etc.

20d 0h

Table with columns for call sign, frequency, power, and other technical details. Includes entries like CAN, TOO, SET, etc.

20d 0h

Table with columns for station name, frequency, power, and other technical details. Includes stations like PBRG Braganca, DIB Dawson Inlet, MVO Moncorvo, etc.

2013 APR

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

1222

Table with columns for station name, frequency, power, and other technical details. Includes stations like FCC comp=Z,53um,18.0s, LLLB Lillooet, PGC Sidney, etc.



20d Oh

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PDAR, Pinedale Array, Isle Royale Na, etc.

2013 APR

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like COWI, SMCC Simmler, F40A, etc.

1224

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PKME, SZCU, SHOC, etc.

SMCO	Snowmass	105.48	24	PFAKE	LR	LR	00 21 20.0 +9.4
H56A	Elgin	105.50	359	Pdiff	Pdiff	00 16 55.3 -1.2	
PV20	West Nyswonger	105.50	26	PFAKE	LR	LR	00 21 20.0 +1.0
I43A	Langeloid Bro	105.50	8	Pdiff	Pdiff	00 16 55.6 -1.0	
J39A	Decorah	105.52	11	Pdiff	Pdiff	00 16 55.4 -1.3	
PV07	Paradox Valley	105.53	25	PFAKE	LR	LR	00 21 20.0 +1.0
CIS	Catalina Islan	105.53	35	Pdiff	Pdiff	00 16 57.4 +0.4	
H55A	Tweed	105.54	0	Pdiff	Pdiff	00 16 55.4 -1.4	
PV17	East Wray Mesa	105.55	26	PFAKE	LR	LR	00 21 20.0 +9.5
BBRC	Big Bear Solar	105.56	34	Pdiff	Pdiff	00 16 56.8 -0.6	
PV11	David Mesa, Pa	105.57	26	PFAKE	LR	LR	00 21 20.0 +9.5
DELO	Deloro Mine	105.57	0	Pdiff	Pdiff	00 16 56.0 -0.9	
I45A	Fountain	105.57	7	Pdiff	Pdiff	00 16 55.8 -1.1	
PV12	Saucer Basin,	105.58	26	PFAKE	LR	LR	00 21 20.0 +9.4
J40A	Soldiers Grove	105.61	10	Pdiff	Pdiff	00 16 56.1 -1.0	
PV03	Paradox Valley	105.62	26	PFAKE	LR	LR	00 21 20.0 +9.3
I48A	Sherman Twp	105.65	5	Pdiff	Pdiff	00 16 56.2 -1.0	
VT1	Waterbury	105.66	357	PFAKE	LR	LR	00 21 20.0 +1.0
PV05	Paradox Valley	105.68	26	PFAKE	LR	LR	00 21 20.0 +9.2
PV02	Paradox Valley	105.70	26	PFAKE	LR	LR	00 21 20.0 +9.2
LBNH	Lisbon	105.71	356	PFAKE	LR	LR	00 21 20.0 +1.0
LBNH	Lisbon	105.71	356	Pdiff	Pdiff	00 16 57.1 -0.4	
PV13	Radium Mtn., P	105.71	26	PFAKE	LR	LR	00 21 20.0 +9.1
GMRC	Granite Mounta	105.73	32	Pdiff	Pdiff	00 16 55.9 -2.0	
BBRC	Bruce Peninsul	105.73	3	Pdiff	Pdiff	00 16 57.2 -0.4	
LDFC	Landfair	105.74	32	PFAKE	LR	LR	00 21 20.0 +9.2
I46A	Reed City	105.74	6	Pdiff	Pdiff	00 16 58.1 +0.4	
I47A	Gladwin	105.75	6	Pdiff	Pdiff	00 16 56.7 -1.0	
J41A	Loganville	105.75	10	Pdiff	Pdiff	00 16 54.9 -2.8	
SCI2	San Clemente I	105.80	35	Pdiff	Pdiff	00 16 58.5 +0.3	
PV01	Paradox Valley	105.83	25	PFAKE	LR	LR	00 21 20.0 +8.9
U15A	North Rim	105.83	29	PFAKE	LR	LR	00 21 20.0 +8.8
I55A	Frankford	105.87	1	Pdiff	Pdiff	00 16 57.5 -0.8	
BW2L	Walkerton	105.88	3	Pdiff	Pdiff	00 16 58.1 -0.2	
J40A	Columbus	105.93	9	Pdiff	Pdiff	00 16 56.7 -1.8	
BASO	Ashfield	105.95	4	Pdiff	Pdiff	00 16 56.7 -1.9	
I49A	Point Hope	105.96	4	Pdiff	Pdiff	00 16 57.3 -1.3	
J43A	Natural Harves	105.96	9	Pdiff	Pdiff	00 16 58.5 -0.1	
I52A	Shelburne	105.97	2	Pdiff	Pdiff	00 16 58.2 -0.5	
MURC	Murrieta	105.97	34	Pdiff	Pdiff	00 16 57.9 -1.1	
BGNE	Belgrade	106.04	16	PFAKE	LR	LR	00 21 20.0 +8.9
BGNE	Belgrade	106.04	16	Pdiff	Pdiff	00 16 58.4 -0.7	
NCB	Newcomb	106.08	358	PFAKE	LR	LR	00 21 20.0 +8.9
K39A	Oelwein	106.10	11	Pdiff	Pdiff	00 16 57.9 -1.4	
PKRO	Pickering	106.10	2	Pdiff	Pdiff	00 16 59.4 +0.1	
J45A	Montague	106.15	7	Pdiff	Pdiff	00 16 56.5 -2.9	
WLVO	Wesleyville	106.16	1	Pdiff	Pdiff	00 16 58.0 -1.5	
PECO	Prince Edward	106.16	0	Pdiff	Pdiff	00 16 57.7 -1.8	
JFWS	Jewell Farm	106.16	10	PFAKE	LR	LR	00 21 20.0 +8.8
JFWS	Jewell Farm	106.16	10	Pdiff	Pdiff	00 16 58.6 -0.9	
I51A	Listowel	106.19	3	Pdiff	Pdiff	00 17 00.1 +0.4	
DRCO	St. Marys Ceme	106.20	1	Pdiff	Pdiff	00 16 58.1 -1.6	
DRWO	Darlington Wes	106.20	1	Pdiff	Pdiff	00 16 59.5 -0.1	
BELC	Belle Mtn. Jos	106.22	33	Pdiff	Pdiff	00 16 59.5 -0.7	
NEE2	Needles Airpor	106.22	32	Pdiff	Pdiff	00 17 00.7 +0.7	
I53A	Kortright Cn E	106.23	2	Pdiff	Pdiff	00 16 57.8 -2.0	
K40A	Colesburg	106.23	11	Pdiff	Pdiff	00 16 59.3 -0.5	
HNH	Hanover	106.26	356	PFAKE	LR	LR	00 21 20.0 +8.6
W13A	Hualapai Mount	106.27	31	PFAKE	LR	LR	00 21 20.0 +8.0
Q24A	Divide	106.29	23	PFAKE	LR	LR	00 21 20.0 +8.0
Q24A	Divide	106.29	23	Pdiff	Pdiff	00 16 59.8 -0.8	
J46A	Howard City	106.31	7	Pdiff	Pdiff	00 17 00.1 -0.2	
PFO	Pinyon Flats O	106.31	34	PFAKE	LR	LR	00 21 20.0 +8.0
PFO	Pinyon Flats O	106.31	34	Pdiff	Pdiff	00 17 00.3 -0.3	
K42A	Prairie Point,	106.43	9	Pdiff	Pdiff	00 17 00.3 -0.5	
ACTO	Acton	106.43	2	Pdiff	Pdiff	00 16 59.4 -1.4	
TORO	Toronto--Lesli	106.44	2	Pdiff	Pdiff	00 17 00.3 -0.5	
K41A	Shullsburg	106.45	10	Pdiff	Pdiff	00 16 59.7 -1.1	
FFD	Franklin Falls	106.46	356	PFAKE	LR	LR	00 21 20.0 +8.3
IRM	Iron Mountain	106.48	32	Pdiff	Pdiff	00 17 02.0 +0.8	
J47A	Summer	106.50	6	Pdiff	Pdiff	00 17 00.7 -0.4	
J49A	Mariette	106.51	5	Pdiff	Pdiff	00 17 01.3 +0.2	

J48A	Bridge Port	106.53	5	Pdiff	Pdiff	00 17 01.2 0.0	
109C	Camp Elliot, M	106.59	34	Pdiff	Pdiff	00 17 02.0 +0.3	
CPE	Camp Elliot	106.59	34	PFAKE	LR	LR	00 21 20.0 +7.7
SCIA	State Center	106.64	13	PFAKE	LR	LR	00 21 20.0 +7.8
SCIA	State Center	106.64	13	Pdiff	Pdiff	00 17 01.6 -0.1	
K43A	Burlington	106.64	9	PFAKE	LR	LR	00 21 20.0 +7.9
K43A	Burlington	106.64	9	Pdiff	Pdiff	00 17 02.1 +0.5	
ACCN	Adirondack Com	106.64	357	PFAKE	LR	LR	00 21 20.0 +7.9
L39A	Vinton	106.65	12	Pdiff	Pdiff	00 17 02.2 +0.4	
MVCO	Mesa Verde	106.67	26	ePdiff	Pdiff	00 17 03.9 +1.7	
MVCO	Mesa Verde	106.67	26	ePKP	PKIKP	00 21 12.7 0.0	
MVCO	Mesa Verde	106.67	26	Pdiff	Pdiff	00 17 01.7 -0.5	
BC3	Big Chuckawall	106.76	33	Pdiff	Pdiff	00 17 04.0 +1.5	
J52A	Paris	106.78	3	Pdiff	Pdiff	00 17 01.5 -0.8	
J54A	Appleton	106.80	1	Pdiff	Pdiff	00 17 00.9 -1.4	
S22A	4UR Ranch, Cre	106.80	24	PFAKE	LR	LR	00 21 20.0 +7.0
S22A	4UR Ranch, Cre	106.80	24	Pdiff	Pdiff	00 17 04.0 +1.1	
J55A	Hill	106.82	1	Pdiff	Pdiff	00 17 01.9 -0.6	
PDMCI	Parker Dam,Lak	106.82	31	Pdiff	Pdiff	00 17 02.9 +0.3	
L40A	Anamosa	106.84	11	PFAKE	LR	LR	00 21 20.0 +7.5
L40A	Anamosa	106.84	11	Pdiff	Pdiff	00 17 02.5 -0.1	
STCO	Saint Catharin	106.85	2	Pdiff	Pdiff	00 17 02.5 -0.1	
MEDO	Medina	106.91	1	Pdiff	Pdiff	00 17 03.5 +0.6	
MONP	Monument Peak	106.92	34	Pdiff	Pdiff	00 17 03.4 0.0	
L41A	Preston	106.94	10	Pdiff	Pdiff	00 17 02.4 -0.6	
TYNO	Tyneside	106.95	2	Pdiff	Pdiff	00 17 02.4 -0.6	
K46A	Dorr	106.95	7	Pdiff	Pdiff	00 17 03.3 +0.2	
BAR	Barrett	106.97	34	PFAKE	LR	LR	00 21 20.0 +6.9
K48A	Perry	106.99	5	Pdiff	Pdiff	00 17 03.4 +0.1	
WUAZ	Wupatki	107.00	29	ePdiff	Pdiff	00 17 04.3 +0.6	
WUAZ	Wupatki	107.00	29	Pdiff	Pdiff	00 17 04.4 +0.8	
K47A	Vermontville	107.05	6	Pdiff	Pdiff	00 17 02.6 -0.9	
KSCO	Kaye Shedlock'	107.05	21	PFAKE	LR	LR	00 21 20.0 +6.8
KSCO	Kaye Shedlock'	107.05	21	Pdiff	Pdiff	00 17 02.4 -1.4	
K49A	Clarkson	107.06	5	Pdiff	Pdiff	00 17 03.2 -0.4	
L43A	Garden Prairie	107.09	9	Pdiff	Pdiff	00 17 02.1 -1.6	
Y12C	Blythe	107.11	32	PFAKE	LR	LR	00 21 20.0 +6.8
Y12C	Blythe	107.11	32	Pdiff	Pdiff	00 17 03.5 -0.5	
L42A	Oliver, Polo	107.14	10	PFAKE	LR	LR	00 21 20.0 +6.9
L42A	Oliver, Polo	107.14	10	Pdiff	Pdiff	00 17 02.5 -1.4	
SWSC	Sam W. Stewart	107.18	33	Pdiff	Pdiff	00 17 05.4 +1.1	
L44A	Lake County Fo	107.21	8	Pdiff	Pdiff	00 17 04.1 -0.2	
K52A	Tilisonburg	107.23	3	Pdiff	Pdiff	00 17 04.4 +0.1	
M39A	Webster	107.24	12	Pdiff	Pdiff	00 17 03.9 -0.5	
K51A	Iona Station	107.25	3	Pdiff	Pdiff	00 17 04.4 0.0	
IKP	In-Ko-Pah, Jac	107.27	34	Pdiff	Pdiff	00 17 05.6 +0.8	
SDCO	Great Sand Dun	107.27	23	PFAKE	LR	LR	00 21 30.0 +1.6
SDCO	Great Sand Dun	107.27	23	Pdiff	Pdiff	00 17 05.2 +0.2	
TRY	Troy	107.30	357	PFAKE	LR	LR	00 21 20.0 +6.7
MMNY	Mt. Morris Dam	107.35	1	PFAKE	LR	LR	00 21 20.0 +6.6
K55A	Perry	107.36	1	Pdiff	Pdiff	00 17 04.9 0.0	
HRV	Adam Dzewonski	107.41	356	PFAKE	LR	LR	00 21 30.0 +1.6
HRV	Adam Dzewonski	107.41	356	Pdiff	Pdiff	00 17 05.6 +0.5	
M40A	Post Highland	107.43	11	Pdiff	Pdiff	00 17 04.8 -0.4	
WES	Weston	107.52	356	PFAKE	LR	LR	00 21 30.0 +1.6
AAM	Ann Arbor	107.53	5	PFAKE	LR	LR	00 21 30.0 +1.6
AAM	Ann Arbor	107.53	5	Pdiff	Pdiff	00 17 05.8 +0.2	
GLA	Glenn	107.55	33	PFAKE	LR	LR	00 21 30.0 +1.6
GLA	Glenn	107.55	33	Pdiff	Pdiff	00 17 06.1 +0.1	
BCX	Boston College	107.56	355	PFAKE	LR	LR	00 21 30.0 +1.6
L46A	Eue Claire	107.56	7	Pdiff	Pdiff	00 17 05.6 -0.2	
M41A	Milan	107.62	11	Pdiff	Pdiff	00 17 05.7 -0.3	
Y14A	Wickenburg	107.64	31	PFAKE	LR	LR	00 21 30.0 +1.6
M42A	Sheffield	107.66	10	Pdiff	Pdiff	00 17 06.4 +0.1	
QUA2	Belchertown	107.69	356	PFAKE	LR	LR	00 21 30.0 +1.6
L49A	Milan	107.71	5	Pdiff	Pdiff	00 17 05.9 -0.6	
L47A	Shenwood	107.72	6	Pdiff	Pdiff	00 17 06.5 0.0	
M43A	Waltham Townsh	107.80	9	Pdiff	Pdiff	00 17 06.3 -0.5	
L48A	N Adams	107.82	6	Pdiff	Pdiff	00 17 07.0 0.0	
L54A	Sinclairville	107.82	2	Pdiff	Pdiff	00 17 07.2 +0.2	
L50A	Kingsville	107.85	5	Pdiff	Pdiff	00 17 07.3 +0.2	

BINY	Binghamton	107.89	359	PFAKE	LR	LR	00 21 30.0 +1.6
BINY	Binghamton	107.89	359	Pdiff	Pdiff	00 17	



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N59A	State Game Lan	109.16	359	Pdiff	Pdif	00 17 13.0	0.0
SYO	Syowa Base	109.17	200	Pdiff	PKIKP	00 21 15.0	-0.8
SYO	Syowa Base	109.17	200	Pdiff	PKIKP	00 21 22.4	+6.6
N59A	Lisbon	109.19	3	Pdiff	Pdif	00 17 12.2	-1.0
CPNY	Central Park	109.24	358	PFAKE	LR	00 21 30.0	+1.3
N55A	Marion Center	109.28	2	Pdiff	Pdif	00 17 12.6	-0.9
O47A	Sheridan	109.33	7	Pdiff	Pdif	00 17 12.1	-1.6
BRNJ	Basking Ridge	109.37	358	PFAKE	LR	00 21 30.0	+1.3
214A	Organ Pipe Nat	109.39	32	Pdiff	Pdif	00 17 15.4	+1.2
O48A	Farmland	109.42	7	Pdiff	Pdif	00 17 13.5	-0.7
TASAM	ASL Pad, Albuq	109.43	25	Pdiff	Pdif	00 17 14.5	0.0
TASAM	ASL Pad, Albuq	109.43	25	Pdiff	Pdif	00 17 13.6	-0.9
ANMO	Albuquerque	109.43	25	ePdiff	Pdif	00 17 15.4	+0.9
ANMO	Albuquerque	109.43	25	eP	Pdif	00 17 15.4	+0.9
ANMO	Albuquerque	109.43	25	Pdiff	Pdif	00 17 13.9	-0.6
SSPA	Standing Stone	109.45	1	PFAKE	LR	00 21 30.0	+1.3
SSPA	Standing Stone	109.45	1	Pdiff	Pdif	00 17 13.5	-0.7
LUPA	Lehigh Unvers	109.47	359	PFAKE	LR	00 21 30.0	+1.3
P43A	Skaggs, Pawnee	109.47	10	Pdiff	Pdif	00 17 13.9	-0.5
O49A	Covington	109.57	6	PFAKE	LR	00 21 30.0	+1.2
O49A	Covington	109.57	6	Pdiff	Pdif	00 17 14.3	-0.4
ACSO	Alum Creek Sta	109.64	5	PFAKE	LR	00 21 30.0	+1.2
ACSO	Alum Creek Sta	109.64	5	Pdiff	Pdif	00 17 13.9	-1.2
O50A	Cable	109.67	5	Pdiff	Pdif	00 17 13.9	-1.3
O51A	New Philadelph	109.73	3	Pdiff	Pdif	00 17 15.2	-0.3
O51A	Patakskala	109.75	5	Pdiff	Pdif	00 17 15.5	0.0
P44A	Sand Creek, Wi	109.78	10	Pdiff	Pdif	00 17 15.6	-0.1
O56A	Blue Knob Stat	109.80	1	PFAKE	LR	00 21 30.0	+1.2
O56A	Blue Knob Stat	109.80	1	Pdiff	Pdif	00 17 14.8	-1.1
P46A	Rosedate	109.82	8	Pdiff	Pdif	00 17 15.1	-0.8
O52A	Adamsville	109.83	4	PFAKE	LR	00 21 30.0	+1.2
O52A	Adamsville	109.83	4	Pdiff	Pdif	00 17 15.4	-0.5
O54A	Avella	109.83	3	Pdiff	Pdif	00 17 16.3	+0.3
P45A	Graceland, Par	109.84	9	PFAKE	LR	00 21 30.0	+1.2
P45A	Graceland, Par	109.84	9	Pdiff	Pdif	00 17 16.6	+0.6
O55A	Ligonier	109.85	2	Pdiff	Pdif	00 17 16.3	+0.3
TUC	Tucson	110.00	30	PFAKE	LR	00 21 30.0	+1.1
TUC	Tucson	110.00	30	Pdiff	Pdif	00 17 18.0	+1.0
Q42A	Golden Eagle	110.02	11	Pdiff	Pdif	00 17 17.0	+0.2
Y22D	IRIS PASSCAL I	110.03	26	PFAKE	LR	00 21 30.0	+1.1
Y22D	IRIS PASSCAL I	110.03	26	Pdiff	Pdif	00 17 17.7	+0.5
P47A	Martinsville	110.06	8	Pdiff	Pdif	00 17 17.6	+0.6
MVL	Millersville	110.09	359	PFAKE	LR	00 21 30.0	+1.1
Q43A	New Douglas	110.13	11	Pdiff	Pdif	00 17 16.6	-0.7
PSUB	Penn St. - Bra	110.15	359	PFAKE	LR	00 21 30.0	+1.1
P49A	Miami Univ. Ec	110.18	6	Pdiff	Pdif	00 17 17.5	0.0
P48A	Milroy	110.18	7	Pdiff	Pdif	00 17 17.5	0.0
P52A	Jamestown	110.19	6	Pdiff	Pdif	00 17 17.0	-0.6
P52A	Corning	110.29	4	Pdiff	Pdif	00 17 17.7	-0.3
SLM	Saint Louis	110.34	11	PFAKE	LR	00 21 30.0	+1.1
BLO	Bloomington	110.34	8	PFAKE	LR	00 21 30.0	+1.1
P51A	Williamsport	110.38	5	PFAKE	LR	00 21 30.0	+1.1
P51A	Williamsport	110.38	5	Pdiff	Pdif	00 17 17.9	-0.5
MCWV	Mont Chateau	110.38	2	PFAKE	LR	00 21 30.0	+1.1
MCWV	Mont Chateau	110.38	2	Pdiff	Pdif	00 17 18.8	+0.4
Q46A	CEJHS Indians	110.39	9	Pdiff	Pdif	00 17 17.9	-0.5
Q45A	Warren Harvey	110.41	9	Pdiff	Pdif	00 17 17.1	-1.4
P54A	Burton	110.41	3	Pdiff	Pdif	00 17 17.1	-1.5
R41A	Rosebud	110.47	12	Pdiff	Pdif	00 17 20.2	+1.3
P53A	Whipple	110.48	4	PFAKE	LR	00 21 30.0	+1.1
P53A	Whipple	110.48	4	Pdiff	Pdif	00 17 19.0	+0.1
P55A	Reedsville	110.53	2	Pdiff	Pdif	00 17 19.1	-0.1
U32A	Winter Ranch,	110.55	19	PFAKE	LR	00 21 30.0	+1.0
OLIL	Olney	110.57	9	PFAKE	LR	00 21 30.0	+1.0
Q47A	Bedford North L	110.59	8	Pdiff	Pdif	00 17 19.8	+0.4
Q48A	North Vernon	110.67	7	Pdiff	Pdif	00 17 19.6	-0.1
SDMD	Soldier's Del	110.68	360	PFAKE	LR	00 21 30.0	+1.0
Q49A	Aurora	110.69	7	Pdiff	Pdif	00 17 18.2	-1.6
CCM	Cathedral Cave	110.73	12	PFAKE	LR	00 21 30.0	+1.0
CCM	Cathedral Cave	110.73	12	Pdiff	Pdif	00 17 19.5	-0.5
Q51A	Peebles	110.81	5	PFAKE	LR	00 21 30.0	+1.0
Q51A	Peebles	110.81	5	Pdiff	Pdif	00 17 20.5	+0.2

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R44A	Waltonville	110.91	10	Pdiff	Pdif	00 17 19.2	-1.5
Q50A	Georgetown	110.93	6	Pdiff	Pdif	00 17 19.5	-1.3
FVM	French Village	110.95	11	PFAKE	LR	00 21 30.0	+1.0
Q52A	Bidwell	110.95	4	Pdiff	Pdif	00 17 20.4	-0.5
R45A	Skyfar, Fairri	110.98	10	Pdiff	Pdif	00 17 21.1	0.0
Q54A	Coxs Mills	111.01	3	Pdiff	Pdif	00 17 21.4	+0.2
Q55A	Buannannon	111.03	3	Pdiff	Pdif	00 17 20.9	-0.5
121A	Cookes Peak, D	111.06	28	Pdiff	Pdif	00 17 22.3	+0.5
S41A	Jillico Farms,	111.10	13	Pdiff	Pdif	00 17 21.1	-0.6
Q53A	Leroy	111.10	4	Pdiff	Pdif	00 17 21.0	-0.6
AMTX	Amarillo	111.14	22	ePdiff	Pdif	00 17 23.9	+1.9
AMTX	Amarillo	111.14	22	Pdiff	Pdif	00 17 23.0	-0.1
AMTX	Amarillo	111.14	22	Pdiff	Pdif	00 17 21.5	-0.5
R46A	Gibson Southern	111.17	9	Pdiff	Pdif	00 17 20.9	-1.0
R48A	Northridge Ran	111.18	7	Pdiff	Pdif	00 17 20.9	-1.1
R47A	Wooly Knot Far	111.21	8	Pdiff	Pdif	00 17 22.4	+0.3
WCI	Wyandotte Cave	111.30	8	PFAKE	LR	00 21 30.0	+9.0
WCI	Wyandotte Cave	111.30	8	Pdiff	Pdif	00 17 23.2	+0.7
R49A	Shelbyville	111.37	7	Pdiff	Pdif	00 17 22.1	-0.7
USIN	University of	111.39	9	PFAKE	LR	00 21 30.0	+8.8
SIUC	Southern Illin	111.41	10	PFAKE	LR	00 21 30.0	+8.8
S44A	Carbondale	111.42	10	Pdiff	Pdif	00 17 23.4	+0.4
319A	Douglas	111.45	29	PFAKE	LR	00 21 30.0	+8.4
R50A	Paris	111.46	6	Pdiff	Pdif	00 17 23.5	+0.2
R51A	Hillsboro	111.51	6	Pdiff	Pdif	00 17 22.4	-1.0
S45A	Centar Mills	111.54	10	Pdiff	Pdif	00 17 23.1	-0.5
R52A	Cattletsburg	111.54	5	Pdiff	Pdif	00 17 22.7	-0.9
R53A	Hurricane	111.60	4	Pdiff	Pdif	00 17 22.0	-1.9
MSTX	Muleshoe	111.62	23	PFAKE	LR	00 21 30.0	+8.1
MSTX	Muleshoe	111.62	23	Pdiff	Pdif	00 17 23.6	-0.6
S46A	Don Dixon Farm	111.66	9	Pdiff	Pdif	00 17 22.1	-2.0
SACV	Santiago Islan	111.72	303	PFAKE	LR	00 21 30.0	+7.7
R55A	Marlington	111.74	3	Pdiff	Pdif	00 17 24.9	+0.3
R54A	Victor	111.80	3	Pdiff	Pdif	00 17 24.1	-0.7
TUL1	Leonard	111.83	16	PFAKE	LR	00 21 30.0	+7.9
TUL1	Leonard	111.83	16	Pdiff	Pdif	00 17 25.1	+0.2
S49A	Springfield	111.86	7	Pdiff	Pdif	00 17 25.7	+0.7
S47A	Hartford	111.86	8	Pdiff	Pdif	00 17 25.1	+0.1
CBN	Corbin Frederi	111.88	0	PFAKE	LR	00 21 30.0	+7.9
CBN	Corbin Frederi	111.88	0	Pdiff	Pdif	00 17 26.3	+1.2
S48A	Wiedeman Farm,	111.89	8	Pdiff	Pdif	00 17 25.5	+0.3
HHAR	Hobbs	111.91	15	PFAKE	LR	00 21 30.0	+7.8
SS0A	Richmond	112.05	6	Pdiff	Pdif	00 17 25.5	-0.4
U40A	Yellville	112.07	14	Pdiff	Pdif	00 17 25.6	-0.4
R58B	Mineral	112.12	1	PFAKE	LR	00 21 30.0	+7.5
R58B	Mineral	112.12	1	Pdiff	Pdif	00 17 26.5	+0.3
PBMO	Poplar Bluff	112.12	12	PFAKE	LR	00 21 30.0	+7.4
WMOK	Wichita Mounta	112.15	19	PFAKE	LR	00 21 30.0	+7.2
WMOK	Wichita Mounta	112.15	19	Pdiff	Pdif	00 17 25.5	-1.0
SS1A	Beattyville	112.16	6	PFAKE	LR	00 21 30.0	+7.3
SS1A	Beattyville	112.16	6	Pdiff	Pdif	00 17 25.7	-0.7
SS2A	Salyersville	112.17	5	Pdiff	Pdif	00 17 26.3	-0.1
T45A	Paducah	112.18	10	PFAKE	LR	00 21 30.0	+7.3
T45A	Paducah	112.18	10	Pdiff	Pdif	00 17 25.7	-0.7
SS3A	Williamson	112.23	4	Pdiff	Pdif	00 17 27.3	+0.6
SS5A	Lewisburg	112.23	3	Pdiff	Pdif	00 17 27.3	+0.5
EPT	El Paso	112.23	27	PFAKE	LR	00 21 30.0	+6.9
T46A	Princeton	112.26	9	Pdiff	Pdif	00 17 26.8	0.0
U41A	Viola	112.27	13	Pdiff	Pdif	00 17 26.2	-0.7
SS7A	Dark Hollow, R	112.30	2	Pdiff	Pdif	00 17 26.5	-0.5
SS9A	Mechanicsville	112.32	0	Pdiff	Pdif	00 17 27.4	+0.4
PARMO	Parma	112.35	11	PFAKE	LR	00 21 30.0	+7.0
SS6A	Natural Bridge	112.36	2	Pdiff	Pdif	00 17 26.9	-0.4
T48A	Boeing Green	112.40	8	Pdiff	Pdif	00 17 26.7	-0.7
T47A	Sharon Grove	112.42	9	PFAKE	LR	00 21 30.0	+6.8
T47A	Sharon Grove	112.42	9	Pdiff	Pdif	00 17 28.0	+0.4
SS8A	Poland Farm, P	112.46	1	Pdiff	Pdif	00 17 28.9	+1.2
T49A	Edmonton	112.50	7	PFAKE	LR	00 21 30.0	+6.7
T49A	Edmonton	112.50	7	Pdiff	Pdif	00 17 26.3	-1.6
U44A	Portageville	112.52	11	Pdiff	Pdif	00 17 27.6	-0.4
PVMO	Portageville	112.60	11	PFAKE	LR	00 21 40.0	+1.6
T50A	Nancy	112.66	7	Pdiff	Pdif	00 17 27.2	-1.4
HSIG	HSIG	112.73	32	PFAKE	LR	00 21 40.0	+1.6

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MNTX	Cornudas Mount	112.73	26	ePdiff	Pdif
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V50A	Pikeville	113.97	7	Pdiff	Pdiff	00 17 35.3 +0.9
W47A	Milchie	114.06	10	Pdiff	Pdiff	00 17 34.6 -0.2
W46A	Westpoint	114.07	10	Pdiff	Pdiff	00 17 34.9 0.0
V55A	Taylorville	114.11	4	Pdiff	Pdiff	00 17 35.0 -0.1
TKL	Tuckaleechee C	114.11	6	PFAKE	LR	00 21 40.0 +1.4
V54A	Nebo	114.14	4	Pdiff	Pdiff	00 17 34.4 -0.8
V57A	Coitane Farms	114.14	2	Pdiff	Pdiff	00 17 35.0 -0.2
SBA	Scott Base	114.15	168	PFAKE	LR	00 21 40.0 +1.5
V53A	Saluda	114.18	5	PFAKE	LR	00 21 40.0 +1.3
V53A	Saluda	114.18	5	Pdiff	Pdiff	00 17 36.6 +1.1
V56A	Mocksville	114.19	3	Pdiff	Pdiff	00 17 35.4 0.0
X43A	Marvell	114.24	13	PFAKE	LR	00 21 40.0 +1.3
X43A	Marvell	114.24	13	Pdiff	Pdiff	00 17 36.1 +0.5
CPCT	Cooper Cave	114.25	7	PFAKE	LR	00 21 40.0 +1.3
PLAL	Pickwick Lake	114.26	10	PFAKE	LR	00 21 40.0 +1.3
W48A	Pulaski	114.27	9	Pdiff	Pdiff	00 17 34.4 -1.4
V61A	Roper	114.29	360	Pdiff	Pdiff	00 17 33.8 -2.0
V59A	Middlesex	114.31	1	Pdiff	Pdiff	00 17 35.0 -0.9
V60A	Jim Taylor Roa	114.31	0	Pdiff	Pdiff	00 17 36.2 +0.3
SWET	Sewanee	114.32	8	PFAKE	LR	00 21 40.0 +1.3
W49A	Belvidere	114.37	8	Pdiff	Pdiff	00 17 36.4 +0.1
W50A	Signal Mountai	114.41	7	PFAKE	LR	00 21 40.0 +1.3
W50A	Signal Mountai	114.41	7	Pdiff	Pdiff	00 17 37.3 +0.8
OXF	Oxford	114.51	11	PFAKE	LR	00 21 40.0 +1.3
OXF	Oxford	114.51	11	Pdiff	Pdiff	00 17 37.2 +0.4
W51A	Cleveland	114.51	7	Pdiff	Pdiff	00 17 37.5 +0.6
WLAR	White Oak Lake	114.58	15	PFAKE	LR	00 21 40.0 +1.3
X46A	Booneville	114.60	11	Pdiff	Pdiff	00 17 36.8 -0.4
CCAR	Cane Creek	114.65	14	PFAKE	LR	00 21 40.0 +1.3
W53A	Culowhee	114.65	6	Pdiff	Pdiff	00 17 37.8 +0.1
W52A	Murphy	114.66	6	PFAKE	LR	00 21 40.0 +1.2
W52A	Murphy	114.66	6	Pdiff	Pdiff	00 17 37.5 -0.1
X47A	Russelville	114.75	10	Pdiff	Pdiff	00 17 38.0 0.0
KM5C	Kings Mountain	114.81	4	PFAKE	LR	00 21 40.0 +1.2
KM5C	Kings Mountain	114.81	4	Pdiff	Pdiff	00 17 37.8 -0.4
W54A	Cherokee Point	114.81	5	Pdiff	Pdiff	00 17 37.8 -0.4
CNNC	Cliffs of the	114.83	1	PFAKE	LR	00 21 40.0 +1.2
BG3	Lake Jocassee	114.84	5	PFAKE	LR	00 21 40.0 +1.2
W56A	Indian Trail	114.86	3	Pdiff	Pdiff	00 17 39.0 +0.6
W57A	Gilead	114.86	3	Pdiff	Pdiff	00 17 38.2 -0.2
W59A	Clinton	114.90	1	Pdiff	Pdiff	00 17 37.9 -0.6
W61A	Ground Anchor	114.90	0	Pdiff	Pdiff	00 17 39.1 +0.5
X48A	Hartselle	114.93	9	PFAKE	LR	00 21 40.0 +1.2
X48A	Hartselle	114.93	9	Pdiff	Pdiff	00 17 38.9 +0.2
W49A	Woodville	114.96	9	Pdiff	Pdiff	00 17 37.8 -1.1
W60A	Pink Hill	115.02	1	Pdiff	Pdiff	00 17 39.1 -0.1
W58A	Raeoford	115.02	2	Pdiff	Pdiff	00 17 39.6 +0.5
Z41A	Richland Creek	115.07	15	PFAKE	LR	00 21 40.0 +1.2
Z41A	Richland Creek	115.07	15	Pdiff	Pdiff	00 17 40.4 +1.0
X51A	Calhoun	115.08	7	PFAKE	LR	00 21 40.0 +1.2
X51A	Calhoun	115.08	7	Pdiff	Pdiff	00 17 37.1 -2.3
PAULI	Pauline	115.10	4	PFAKE	LR	00 21 40.0 +1.2
X50B	Fort Payne	115.10	8	Pdiff	Pdiff	00 17 39.8 +0.3
WHTX	Lake Whitney	115.10	19	PFAKE	LR	00 21 40.0 +1.2
WHTX	Lake Whitney	115.10	19	Pdiff	Pdiff	00 17 40.2 +0.6
X52A	Dahlonega	115.15	6	Pdiff	Pdiff	00 17 41.1 +1.3
X54A	Belton	115.33	5	Pdiff	Pdiff	00 17 41.7 +1.2
Y48A	Jasper	115.44	9	Pdiff	Pdiff	00 17 40.5 -0.5
X55A	Gracelyn & Ava	115.46	4	Pdiff	Pdiff	00 17 39.9 -1.2
X56A	White Oak	115.47	4	Pdiff	Pdiff	00 17 39.9 -1.2
X58A	Rowland	115.48	2	Pdiff	Pdiff	00 17 41.7 +0.5
X59A	McDuffie Farm,	115.49	1	Pdiff	Pdiff	00 17 41.1 -0.1
X60A	Albert Glenn T	115.49	1	Pdiff	Pdiff	00 17 40.5 -0.7
TX31	Lajitas Ar. Si	115.50	26	ePKP	PKP	00 21 28.8 -0.6
TXAR	Lajitas Array	115.50	26	ePKP	PKP	00 21 29.2 -0.2
TXAR	Lajitas Array	115.50	26	Pdiff	Pdiff	00 17 49.5 +8.0
TXAR	Lajitas Array	115.50	26	Pdiff	Pdiff	00 21 28.7 -0.7
TXAR	Lajitas Array	115.50	26	Pdiff	Pdiff	00 22 34.6 +4.7
TXAR	Lajitas Array	115.50	26	Pdiff	Pdiff	00 32 01.9 -0.7
TXAR	Lajitas Array	115.50	26	Pdiff	Pdiff	00 17 49.5 +8.0
TXAR	Lajitas Array	115.50	26	Pdiff	Pdiff	00 22 34.6
TXAR	Lajitas Array	115.50	26	Pdiff	Pdiff	00 32 01.9
X57A	Johnson Farm,	115.55	3	Pdiff	Pdiff	00 17 41.8 +0.4

Y49A	Blount Mountai	115.60	9	ePKP	PKIKP	00 21 28.1 -1.3
Y49A	Blount Mountai	115.60	9	Pdiff	Pdiff	00 17 41.9 +0.2
Y50A	Piedmont	115.65	8	Pdiff	Pdiff	00 17 41.8 -0.2
HODGE	Hodges	115.65	5	ePKP	PKIKP	00 21 29.3 -0.1
JSC	Jenkinsville	115.67	4	ePKP	PKP	00 21 29.6 +0.1
JSC	Jenkinsville	115.67	4	ePKIKP	MLR	00 21 29.6 +0.1
Y51A	Rockmart	115.72	7	Pdiff	Pdiff	00 17 43.4 +1.1
JCT	Junction City	115.80	22	ePKP	PKIKP	00 21 29.6 -0.3
JCT	Junction City	115.80	22	ePKIKP	MLR	00 21 29.6 -0.3
JCT	Junction City	115.80	22	Pdiff	Pdiff	00 17 42.7 0.0
Y52A	Liburn	115.86	7	ePKP	PKP	00 21 30.1 +0.2
Y52A	Liburn	115.86	7	Pdiff	Pdiff	00 17 42.4 -0.5
TBI	Tubuai	115.91	103	ePKIKP	PKP	00 21 29.3 -0.7
TBI	Tubuai	115.91	103	ePP	PP	00 22 30.4 -3.9
TBI	Tubuai	115.91	103	ePS	PS	00 32 12.5 -3.1
TBI	Tubuai	115.91	103	eSS	SS	00 38 35.9 +0.3
TBI	Tubuai	115.91	103	eLQ	LQ	00 51 23.7
TBI	Tubuai	115.91	103	eLR	LR	00 56 12.0
Y53A	Monroe	115.92	6	Pdiff	Pdiff	00 17 41.4 -1.8
Y55A	Saluda	115.97	5	Pdiff	Pdiff	00 17 43.5 +0.1
Y54A	Tignall	115.99	5	Pdiff	Pdiff	00 17 43.9 +0.4
NATX	Nacogdoches	116.07	17	ePKP	PKP	00 21 31.1 +0.8
NATX	Nacogdoches	116.07	17	Pdiff	Pdiff	00 17 45.0 +1.1
Y58A	Scranton	116.12	2	Pdiff	Pdiff	00 17 44.4 +0.4
Y56A	Pelion	116.15	4	Pdiff	Pdiff	00 17 44.5 +0.3
435B	Jarrell	116.20	20	ePKP	PKP	00 21 31.4 +0.8
435B	Jarrell	116.20	20	Pdiff	Pdiff	00 17 44.9 +0.5
Z49A	Columbiana	116.24	9	Pdiff	Pdiff	00 17 44.3 -0.2
Z50A	Ashland	116.26	8	ePKP	PKIKP	00 21 30.3 -0.3
Z50A	Ashland	116.26	8	Pdiff	Pdiff	00 17 45.0 +0.3
LRAL	Lakeview Retre	116.33	9	ePKP	PKIKP	00 21 30.1 -0.6
LRAL	Lakeview Retre	116.33	9	PKIKP	PKIKP	00 21 30.4 -0.3
GOGA	Godfrey	116.37	6	ePKP	PKP	00 21 32.4 +1.6
GOGA	Godfrey	116.37	6	ePKIKP	MLR	00 21 32.4 +1.6
GOGA	Godfrey	116.37	6	PKIKP	PKIKP	00 21 30.8 -0.1
Z53A	Monticello	116.49	6	PKIKP	PKP	00 21 31.3 +0.2
147A	Livingston	116.49	11	ePKP	PKP	00 21 31.1 0.0
147A	Livingston	116.49	11	PKIKP	PKP	00 21 30.1 -0.9
Z52A	Williamson	116.49	7	PKIKP	PKP	00 21 30.4 -0.7
VBMS	Vicksburg	116.54	13	ePKP	PKIKP	00 21 32.6 +1.5
VBMS	Vicksburg	116.54	13	PKIKP	PKP	00 21 30.2 -0.9
Z54A	Williston	116.59	5	PKIKP	PKP	00 21 30.9 -0.4
Z56A	Williston	116.61	4	PKIKP	PKP	00 21 30.1 -1.2
BBSR	BB Station	116.62	348	PFAKE	LR	00 21 40.0 +8.7
148A	Greensboro	116.63	10	PKIKP	PKP	00 21 31.0 -0.3
Z55A	Blythe	116.67	5	PKIKP	PKP	00 21 31.3 -0.1
Z57A	Bowman	116.68	3	PKIKP	PKP	00 21 30.2 -1.2
HPIG	HPIG	116.84	29	ePKP	PKP	00 21 32.0 -0.1
NHSC	New Hope	116.89	3	PFAKE	LR	00 21 40.0 +8.2
152A	Waverly Hall	116.98	7	ePKP	PKIKP	00 21 32.1 +0.1
153A	Fort Valley	117.09	6	PKIKP	PKIKP	00 21 32.4 +0.2
154A	Montrose	117.19	6	ePKP	PKIKP	00 21 33.6 +1.2
154A	Montrose	117.19	6	PKIKP	PKP	00 21 32.0 -0.4
155A	Kite	117.23	5	PKIKP	PKIKP	00 21 32.7 +0.2
249A	Camden	117.35	10	PKIKP	PKIKP	00 21 33.0 +0.2
251A	Midway	117.47	8	PKIKP	PKP	00 21 32.6 -0.4
250A	Grady	117.47	9	ePKP	PKIKP	00 21 34.8 +1.8
HKT	Hockley	117.48	18	ePKP	PKIKP	00 21 33.0 0.0
HKT	Hockley	117.48	18	ePKIKP	MLR	00 21 33.0 0.0
TAOE	Nuku Hiva Isla	117.56	84	ePP	PP	00 22 46.0 +0.1
TAOE	Nuku Hiva Isla	117.56	84	eLR	LR	00 57 21.7
TAOE	Nuku Hiva Isla	117.56	84	PFAKE	LR	00 21 50.0 +1.6
ASCN	Ascension	117.57	277	PFAKE	LR	00 21 50.0 +1.6
253A	Americus	117.64	7	ePKP	PKIKP	00 21 34.0 +0.6
SLBS	Sierra La Lagu	117.72	34	PFAKE	LR	00 21 50.0 +1.6
255A	Hazlehurst	117.92	5	PFAKE	LR	00 21 50.0 +1.6
833A	Chaparral WMA,	117.93	22	ePKP	PKIKP	00 21 34.1 +0.2
833A	Chaparral WMA,	117.93	22	PKIKP	PKIKP	00 21 34.2 +0.2
257A	Skidaway Islan	117.98	4	PFAKE	LR	00 21 50.0 +1.6

352A	Blakely	118.13	8	ePKP	PKIKP	00 21 36.0 +1.7
BRAL	Brewton	118.16	10	ePKP	PKIKP	00 21 35.6 +1.3
TIGA	Tifton	118.31	6	PFAKE	LR	00 21 50.0 +1.5
357A	Townsend	118.50	4	PKIKP	PKP	00 21 32.8 -2.2
453A	Whigham	118.81	7	PFAKE	LR	00 21 50.0 +1.4
451A	Vernon	118.88	9	PFAKE	LR	00 21 50.0 +1.4
KVTX	Kingsville	119.13	21	PFAKE	LR	00 21 50.0 +1.4
456A	Hilliard	119.15	5	PFAKE	LR	00 21 50.0 +1.4
555A	McAlpin	119.67	6	PFAKE	LR	00 21 50.0 +1.3
556A	Lake Butler	119.84	5	PKIKP	PKIKP	00 21 37.7 +0.1
QSPA	South Pole Qui	120.05	180	PKP	PKP	00 21 35.3 -1.5
QSPA	South Pole Qui	120.05	180	PKP	PKP	00 31 47.8 +0.5
QSPA	South Pole Qui	120.05	180	ePKP	PKP	00 35 38.3 +0.9
QSPA	South Pole Qui	120.05	180	ePKP	PKP	00 21 36.3 -0.5
QSPA	South Pole Qui	120.05	180	ePKP	PKP	00 31 47.9 +0.5
656A	Willston	120.46	6	PFAKE	LR	00 21 50.0 +1.1
658A	Bunnell	120.50	4	PFAKE	LR	00 21 50.0 +1.1
DWPF	Disney Wildern	121.79	5	PFAKE	LR	00 21 50.0 +8.5
ZAIG	Zacatecas	121.82	28	ePKP	PKIKP	00 21 42.8 +0.7
957A	Wimauma	122.17	6	ePKP	PKIKP	00 21 43.8 +1.5
060A	Indiantown	122.93	4	PFAKE	LR	00 22 00.0 +1.6
059A	Moore Haven	122.95	4	ePKP	PKIKP	00 21 44.1 +0.3
SNA	Sanee	123.41	201	PKP	PKP	00 21 42.8 -0.3
SNA	Sanee	123.41	201	PKP	PKP	00 31 32.9 -1.1
SNA	Sanee	123.41	201	PKP	PKP	00 21 41.9 -1.2
SNA	Sanee	123.41	201	PKP	PKP	00 31 32.2 -1.8
SNA	Sanee	123.41	201	PKP	PKP	00 35 24.3 -1.3
061Z	Ochoppi	124.06	4	PFAKE	LR	00 22 00.0 +1.4
VNA2	Neumayer-Watz	124.95	202	PKP	PKP	00 21 46.2 -0.1
VNA2	Neumayer-Watz	124.95	202	P	PKP	00 31 27.9 +0.1
MOIG	Morelia	125.15	28	ePKP	PKIKP	00 21 49.0 +1.8
MOIG	Morelia	125.15	28			



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include BAATI Baumata, AKASG Malin Array Be, ARCES ARCES Array B, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, KDAK Kodiak Island, INK Inuvik, YKA Yellowknife Arr, PTGA Pitking S, etc.

THE 20 00:55.2, 36.53N, 25.49E, h8km, 2km, ML2.1/1, Error ellipse: s-maj=2.7km s-min=0.6km az=207.0,

Dodecanese Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include CMBO Columbo, Santo, THR2 Thira Island, THT2 Imervoli, SFIR Foira Santorini, THR3 Fira-Santorini, SAP2K Karterados, THR3 Thira Island, THT1 Athinios, THR5 Thira Island, THR6 Thira Island, ANAF Anafi Island, etc.

ISCJB 20 00:14:56.9, 1.0, 30.2N, 0.3, 103.0E, h10km, mb3.0/6, Error ellipse: s-maj=82.7km s-min=19.4km az=147.7

IDC 20 00:14:57.4, 1.1, 30.28N, 103.04E, h0km, mb4.0/6, mb1 4.2/6, mb1mx3.7/6.0, mbtmp4.0/6, Error ellipse: s-maj=85.7km s-min=19.8km az=59.0

ISC 20 00:14:59.0, 1.3, 30.33N, 0.3, 103.0E, h10km, n6, s=088/6, mb4.0/6, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MKAR Makanchi Array, ARCES ARCES Array B, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

IDC 20 00:15:30.6, 2.2, 30.11N, 102.17E, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.6/5.9, mbtmp3.9/4, Error ellipse: s-maj=84.1km s-min=32.0km az=63.0, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSRS Korea Array, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

ISCJB 20 00:16:37.7, 1.0, 30.1N, 0.2, 102.8E, h10km, mb3.9/7, Error ellipse: s-maj=33.9km s-min=19.9km az=143.4

IDC 20 00:16:38.3, 1.1, 30.13N, 102.83E, h0km, mb3.9/7, mb1 4.1/7, mb1mx3.7/6.1, mbtmp3.9/7, Error ellipse: s-maj=41.3km s-min=20.0km az=54.0

ISC 20 00:16:40.1, 2.1, 30.1N, 0.2, 102.9E, h10km, n7, s=193/7, mb4.0/7, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSRS Korea Array, MKAR Makanchi Array, ARCES ARCES Array B, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

ISCJB 20 00:20:11.7, 1.0, 29.99N, 0.2, 102.5E, h10km, mb3.6/7, Error ellipse: s-maj=33.6km s-min=17.6km az=138.4

IDC 20 00:20:12.1, 1.0, 29.96N, 102.57E, h0km, mb3.6/7, mb1 3.8/7, mb1mx3.5/6.5, mbtmp3.6/7, Error ellipse: s-maj=42.7km s-min=17.1km az=53.0

ISC 20 00:20:13.5, 1.0, 30.00N, 0.2, 102.6E, h10km, n7, s=128/7, mb3.6/7, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSRS Korea Array, MKAR Makanchi Array, ARCES ARCES Array B, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

IDC 20 00:20:40.2, 2.1, 30.66N, 103.36E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.6/6, mbtmp3.6/3, Error ellipse: s-maj=47.5km s-min=27.2km az=53.0, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 20 00:27:23.7, 0.5, 30.30N, 0.05, 102.92E, h10km, mb3.9/11, Error ellipse: s-maj=9.5km s-min=6.4km az=24.4

IDC 20 00:27:23.1, 0.8, 30.22N, 102.92E, h0km, mb4.0/11, mb1 4.1/12, mb1mx3.8/6.7, mbtmp4.0/12, ML3.4/1, Error ellipse: s-maj=34.5km s-min=15.1km az=59.0

BUI 20 00:27:27.3, 30.26N, 102.87E, h27km, ML3.7/7

ISC 20 00:27:25.6, 0.7, 30.34N, 0.07, 102.93E, h10km, n16, s=113/18, mb4.1/11, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include CD2 Chengdu, CD2 CD2, CD2 comp=N,2km,0.6s, KMI KMI, KMI KMI, KMI comp=N,82nm,0.6s, SONM Songino Array, WMQ Urumqi, KSRS Korea Array, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBS Kurchatov Arr, ARCES ARCES Array B, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, INK Inuvik, YKA Yellowknife Arr, TXAR Lajitas Array, etc.

KRSC 20 00:28:44.4, 10.0, 49.91N, 158.06E, h45km, 10km, ML5.1, FELT (III-IV) at Severo-Kurilsk.

SKHL 20 00:28:45.4, 0.3, 49.78N, 157.94E, h50km, 5km, mb5.2/3 SKHL Felt (II, III) at Severo-Kurilsk.

ISCJB 20 00:28:45.5, 1.3, 49.89N, 0.04, 157.77E, h29km, 8km, mb4.3/38, Error ellipse: s-maj=8.7km s-min=5.7km az=32.3

IDC 20 00:28:49.8, 0.9, 50.09N, 157.46E, h47km, 8km, mb4.0/27, mb1 4.2/29, mb1mx4.0/6.4, mbtmp4.2/29, ML3.2/2, Error ellipse: s-maj=15.8km s-min=1.1km az=138.0

MOS 20 00:28:49.0, 1.2, 50.11N, 157.59E, h53km, mb4.8/18, Error ellipse: s-maj=10.1km s-min=4.0km az=89.3

MOS Felt (II-III) at Severo-Kurilsk.

NEIC 20 00:28:50.6, 1.4, 50.12N, 157.52E, h55km, 11km, mb4.6/5, Error ellipse: s-maj=11.0km s-min=8.1km az=141.0

ISC 20 00:28:49.2, 0.9, 49.98N, 0.07, 157.77E, h44km, 6km, n210, s=195/220, mb4.6/51, 22C-16D, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include SKR Severo-Kuril's, SKR Severo-Kuril's, SKR 3um,0.4s, SKR 0.9m,0.6s, SKR 16um,0.6s, SKR Severo-Kuril's, PAU Pauzhetka, PAU Pauzhetka, PAU 1um,0.5s, PAU 3um,0.6s, PAU 4um,0.6s, PAU Pauzhetka, ALID Alaid, ALID Alaid, KDTR Khodutka, Kamc, KDTR Khodutka, Kamc, RUS Russkaya, RUS Russkaya, MTRV Mutnovka, MTRV Mutnovka, KRMR Karymshinskiy, KRMR Karymshinskiy, PET Petropavlovsk, PET Petropavlovsk, PET Petropavlovsk, PET 78nm,0.4s, PET 520nm,0.5s, PET 730nm,0.5s, PET Petropavlovsk, PET comp=Z,186nm,0.4s, PET comp=E,626nm,0.5s, PET comp=N,1um,0.7s, etc.

DALK Dalny, DALK Dalny, PETK Petropavlovsk, PETK Petropavlovsk, UGLR Uglovaya, UGLR Uglovaya, AVH Avacha, AVH Avacha, SMAR Somma, SMAR Somma, SDLR Sedlovina, SDLR Sedlovina, KRER Koryakskii, KRER Koryakskii, KRER Koryakskii, KRER Koryakskii, KRX Arik, KRX Arik, MKZ Mys Kozlova, MKZ Mys Kozlova, TUMD Tumrok D, TUMR Tumrok, TUMR Tumrok, SRDR Sredinnyy, SKTR Krutoberegovo, SKTR Krutoberegovo, SMKR Semkarok, SMKR Semkarok, SRKR Sorokina, SRKR Sorokina, YRS Yuzh-Sakhalins, YRS Yuzh-Sakhalins, KLR Kul'dur, KLR Kul'dur, etc.

BILL Bilibino, BILL Bilibino, BILL comp=Z,3.0nm,0.4s, BILL comp=Z,52um,14.0s, MAJO Matsushiro, MAJO Matsushiro, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MJAR Matsushiro Arr, MJAR comp=Z,0.1nm,0.3s, YAK Yakutsk, YAK comp=Z,73nm,0.6s, YAK comp=E,46nm,0.6s, KSRS Korea Array, KSRS comp=E,6.3nm,1.0s, KSRS comp=E,5.4nm,0.9s, KSAR Kongsari, KSAR Wonju Array Be, KSAR Wonju Array Be, KSAR Wonju Array Be, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, COLA College, COLA comp=Z,4.0nm,1.0s, ILAR Eielson Array, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, SONM Songino Array, TLY Talaya, TLY Talaya, TLY Talaya, INK Inuvik, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Novosibirsk, NVS Novosibirsk, NVS comp=N,35nm,2.5s, NVS comp=E,14nm,1.8s, DGZ Jazator, YKA Yellowknife Arr, RES Resolute Bay, RES Resolute Bay, RES comp=E,0.9nm,0.6s, KURK Kurchatov, KURK Kurchatov, MKAR Makanchi Array, MKAR Makanchi Array, SPITS Spitsbergen Ar, SPITS Spitsbergen Ar, BVAR Borovoye, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, DAG Danmarks Havn, DAG Danmarks Havn, DAG Danmarks Havn, ARU Arti, ARU Arti, ARU Arti, ARU Arti, AAK Ala-Archa, ARCES ARCES Array B, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, FFC Filimon, KIRV Kirov, SUMC Summit, SUMC Summit, AKTO Aktyubinsk, PDAR Pinedale Array, FINES FINES Array B, FINES FINES Array B, NB2 NORSAR Subarra, NOA NORSAR Array, GEYT Alikeb, AKASG Malin Array Be, AKASG Malin Array Be, AKASG Malin Array Be, KVAR Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, KBZ Khabaz, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, TXAR Lajitas Array, FITZ Fitzroy Cross, BURAR Bucovina Array, UPUC Upeice, UPUC Upeice, OKC Ostrava-Krasne, OKC Ostrava-Krasne, CLL Colim, CLL Colim, etc.

THE 20 00:55.2, 36.53N, 25.49E, h8km, 2km, ML2.1/1, Error ellipse: s-maj=2.7km s-min=0.6km az=207.0,

ISCJB 20 00:14:56.9, 1.0, 30.2N, 0.3, 103.0E, h10km, mb3.0/6, Error ellipse: s-maj=82.7km s-min=19.4km az=147.7

IDC 20 00:14:57.4, 1.1, 30.28N, 103.04E, h0km, mb4.0/6, mb1 4.2/6, mb1mx3.7/6.0, mbtmp4.0/6, Error ellipse: s-maj=85.7km s-min=19.8km az=59.0

ISC 20 00:14:59.0, 1.3, 30.33N, 0.3, 103.0E, h10km, n6, s=088/6, mb4.0/6, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MKAR Makanchi Array, ARCES ARCES Array B, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

IDC 20 00:15:30.6, 2.2, 30.11N, 102.17E, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.6/5.9, mbtmp3.9/4, Error ellipse: s-maj=84.1km s-min=32.0km az=63.0, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSRS Korea Array, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

ISCJB 20 00:16:37.7, 1.0, 30.1N, 0.2, 102.8E, h10km, mb3.9/7, Error ellipse: s-maj=33.9km s-min=19.9km az=143.4

IDC 20 00:16:38.3, 1.1, 30.13N, 102.83E, h0km, mb3.9/7, mb1 4.1/7, mb1mx3.7/6.1, mbtmp3.9/7, Error ellipse: s-maj=41.3km s-min=20.0km az=54.0

ISC 20 00:16:40.1, 2.1, 30.1N, 0.2, 102.9E, h10km, n7, s=193/7, mb4.0/7, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSRS Korea Array, MKAR Makanchi Array, ARCES ARCES Array B, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

ISCJB 20 00:20:11.7, 1.0, 29.99N, 0.2, 102.5E, h10km, mb3.6/7, Error ellipse: s-maj=33.6km s-min=17.6km az=138.4

IDC 20 00:20:12.1, 1.0, 29.96N, 102.57E, h0km, mb3.6/7, mb1 3.8/7, mb1mx3.5/6.5, mbtmp3.6/7, Error ellipse: s-maj=42.7km s-min=17.1km az=53.0

ISC 20 00:20:13.5, 1.0, 30.00N, 0.2, 102.6E, h10km, n7, s=128/7, mb3.6/7, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KSRS Korea Array, MKAR Makanchi Array, ARCES ARCES Array B, FINES FINES Array B, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, etc.

IDC 20 00:20:40.2, 2.1, 30.66N, 103.36E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.6/6, mbtmp3.6/3, Error ellipse: s-maj=47.5km s-min=27.2km az=53.0, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 20 00:27:23.7, 0.5, 30.30N, 0.05, 102.92E, h10km, mb3.9/11, Error ellipse: s-maj=9.5km s-min=6.4km az=24.4

IDC 20 00:27:23.1, 0.8, 30.22N, 102.92E, h0km, mb4.0/11, mb1 4.1/12, mb1mx3.8/6.7, mbtmp4.0/12, ML3.4/1, Error ellipse: s-maj=34.5km s-min=15.1km az=59.0

BUI 20 00:27:27.3, 30.26N, 102.87E, h27km, ML3.7/7

ISC 20 00:27:25.6, 0.7, 30.34N, 0.07, 102.93E, h10km, n16, s=113/18, mb4.1/11, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include BILL Bilibino, BILL Bilibino, BILL comp=Z,3.0nm,0.4s, BILL comp=Z,52um,14.0s, MAJO Matsushiro, MAJO Matsushiro, etc.

THE 20 00:55.2, 36.53N, 25.49E, h8km, 2km, ML2.1/1, Error ellipse: s-maj=2.7km s-min=0.6km az=207.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Includes stations like DPC Dobruska-Polom, BIR Birlad, KRLC Kralicky, etc.

IDC 20 00:30:06.7±1.3, 30.28N×103.30E, h0km, mb3.5/4, m=1 3.8/4, mb1mx3.364, mbmtmp3.5/4, Error ellipse: s-maj=88.0km s-min=24.6km az=61.0, Sirkuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Includes stations like MKAR Makanchi Array, WRA Warrunganga Arr, ASAR Alice Springs, etc.

ISCJB 20 00:30:24.1±0.8, 30.13N×102.08E±0.1, h10km, mb3.9/8, Error ellipse: s-maj=15.6km s-min=8.8km az=42.5

IDC 20 00:30:24.5±1.0, 30.23N×102.87E, h0km, mb4.0/8, mb1 4.2/8, mb1mx3.763, mbtmp4.0/8, Error ellipse: s-maj=38.4km s-min=18.3km az=63.0

BUI 20 00:30:29.1, 30.26N×102.84E, h12km, ML3.8/4, ISC 20 00:30:25.9±1.0, 30.20N×102.8E±0.1, h10km, n10, az=69.11, mb4.2/8, 1D, Sirkuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Includes stations like CD2 Chengdu, KSR Korea Array, MKAR Makanchi Array, etc.

TXAR Lajitas Array 115.66 26 PKP PKIKP 00 49 08.7 -0.2

ISCJB 20 00:30:25.9±0.2, 1.56N±0.03, 30.80E±0.04, h10km, mb4.7/62, Error ellipse: s-maj=5.9km s-min=4.3km az=156.9

IDC 20 00:30:25.9±0.5, 1.60N±0.03, 30.78E, h0km, mb4.5/23, mb1 4.0/25, mb1mx4.4/52, mbtmp4.5/25, ML4.9/3, Error ellipse: s-maj=15.2km s-min=11.0km az=95.0

NEIC 20 00:30:27.0±0.3, 1.50N±0.03, 30.87E, h10km, mb4.8/6, Error ellipse: s-maj=8.9km s-min=5.7km az=111.0

NEIC Felt (III) at Kampala. Also felt at Luwero and Masaka. ISC 20 00:30:27.6±0.3, 1.49N±0.04, 30.82E±0.06, h10km, n177, az=137/191, mb4.8/62, 19C-4D, Uganda

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Includes stations like MBAR Mbarara, MBAR Mbarara, MBAR Mbarara, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Res. Includes stations like LANS Liptovska Anna, JAVC Velka Javorina, WTTA Wattenberg, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BOZ Bozeman (W), PDAR Pinedale Array, PV16 Nyswonger Mesa, etc.

ISC/JB 20 00:31:33.9-0.2, 30:35N-102:03:04E-0:03, h10km, mb4.7/72, MS5.5/1, Error ellipse: s-maj=3.5km s-min=3.3km az=15.4

IDC 20 00:31:33.4-0.4, 30:31N-102:99E, h0km, mb4.6/28, mb1.4/729, mb1mx4.4/64, mb1mp4.6/29, ML3.8/1, MS5.5/1, Ms1.5/5.1, ms1mx4.6/51, Error ellipse: s-maj=15.5km s-min=9.9km az=56.0

NEIC 20 00:31:35.8-0.2, 30:40N-103:12E, h10km, mb4.8/22, Error ellipse: s-maj=6.6km s-min=5.3km az=79.0

BJI 20 00:31:37.5, 30:39N-103:01E, h10km, mb4.6/19, ML4.5/19, MOS 20 00:31:37.2, 1.2, 30:34N-103:07E, h33km, mb4.9/17, Error ellipse: s-maj=9.1km s-min=5.5km az=104.9

ISC 20 00:31:35.8-0.3, 30:32N-103:10E-0:04, h10km, n165, c213/175, mb4.7/72, 3C-1D, Sichuan

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CD2 Chengdu, GYA Guiyang, KMI Kunming, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like XAN Xi'an, GTA Gaotai, WHN Wuhan, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LSA Lhasa, CHTO Chiang Mai, LAMP Lampang, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NONG Nonngkhai, CM01 Chiang Mai Arr, HHC Hu-ho-hao-te, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like UTTA Uttarakhand, SUKH Sukhothai, SKNT Sakonkorn, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KHON Khonkaen, CHAI Chaiyaphum, UMPA Umpang Tak, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JIRN Jiri, UTHA Uthaitani, PKIN Phulchoki, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KKN Kakani, DMN Daman, SRAK Srakae, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GKN Gorkha, SRDT SRDT, DANN Dangsang, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KOLN Koldanda, PHET Kaeng Krachan, SONM Songino Array, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PYUN Piuthan, WMQ Urumqi, ZAK Zakamensk, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PBA Port Blair, TLY Talaya, MOY Mondy, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KS15 Wonju Array Si, KSAR Wonju Array Be, KSAR Wonju Array Be, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CS01 Wonju Array Si, KSRS Korea Array, CN2 Changchun, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CN2 Krabi, TRTT Trang, HIA Hailan, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PDGK Podgornoye, PDGK Podgornoye, MK01 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SKLT Songkhla, MAKZ Makanchi, MAKZ Makanchi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JNU Nakatsue, KDJ Kajias, KDJ Kajias, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KSH Kashi, KSH Kashi, KSH Kashi, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MDJ Mudanjiang, MDJ Mudanjiang, MDJ Mudanjiang, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NIL Nilore, NIL Nilore, NIL Nilore, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like USRK Ussuriysk Arr, ZAAO Zalesovo Array, ZAAO Zalesovo Array, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PSI Prapat, PSIR Prapat Array, OTUK Ortay, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GEYT Alibeck, AKTO Aktyubinsk, NRK Noril'sk, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WSAR Wadi Sarin, ARU Art, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SKLT Songkhla, MAKZ Makanchi, MAKZ Makanchi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JNU Nakatsue, KDJ Kajias, KDJ Kajias, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KSH Kashi, KSH Kashi, KSH Kashi, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MDJ Mudanjiang, MDJ Mudanjiang, MDJ Mudanjiang, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NIL Nilore, NIL Nilore, NIL Nilore, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like USRK Ussuriysk Arr, ZAAO Zalesovo Array, ZAAO Zalesovo Array, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PSI Prapat, PSIR Prapat Array, OTUK Ortay, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GEYT Alibeck, AKTO Aktyubinsk, NRK Noril'sk, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WSAR Wadi Sarin, ARU Art, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BATI Baumenta, KIRV Kirov, BILL Biilino, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BILL Biilino, BILL Biilino, BILL Biilino, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like OBN Obninsk, FITZ Fitzroy Crossi, AKAS Akain Array, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KIEV Kiev, ARCES ARCES Array B, VSU Vsesoyuznyy, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like FINES FINESS Array B, WRAB Tennant Creek, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WRAB Tennant Creek, WRAB Tennant Creek, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WB2 Warramunga Arr, COEN Coen, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ISR Istrita, SUW Suwalki, VOIR Vour, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, AS01 Alice Springs, KWP Kalwaria Pacla, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NWAO Narragoin (SRO), NWAO Narragoin (SRO), NWAO Narragoin (SRO), etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NOA NORSA Array B, CTAO Charters Tower, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like FNA Fanning, KRLC Kraliky, KSP Ksiaz, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like FORT Forrest, DPC Dobruska-Polom, VRAC Vranov, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like VRAC Vranov, VRAC Vranov, VRAC Vranov, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GOPC GO Pecny, Ondr, COLA College, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PRP Porcupine Dome, SUA Susitna One, DHY Denali Highway, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SIK Sitkin Island, SIK Sitkin Island, SIK Sitkin Island, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, SML Sawmill, KDAK Kodiak Island, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like RIDG Independe's Rid, PAX Paxon, PAX Paxon, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SCRK Sand Creek, OPO Ambidrompo, KLU Klutina, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like INK Inuvik, INK Inuvik, INK Inuvik, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MID Middleton Isle, MID Middleton Isle, MID Middleton Isle, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DAW Dawson, RES Resolute Bay, RES Resolute Bay, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like RES Resolute Bay, RES Resolute Bay, RES Resolute Bay, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BALM Baldy, BALM Baldy, BALM Baldy, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like HTY Haines Junctio, WHY Whitehorse, DZM Dzumac, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like YKA Yellowknife Ar, YKBS Yellowknife Ar, MATP Matopo, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LBFT Lobatse, FFC Filin Flon, FFC Filin Flon, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BOBA Colville Reser, BOBA Colville Reser, BOBA Colville Reser, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, ROSE El Rosal, PTGA Pitking, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SIV San Ignacio, SIV San Ignacio, SIV San Ignacio, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JMA 20 00:32:00.9-0.2, 24:91N-123:30E, h26km, 5km, M3.8, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ISC/JB 20 00:32:01.2-0.5, 24:86N-123:36E-0:03, h10km, mb4.4/72, Error ellipse: s-maj=5.5km s-min=4.4km az=169.7

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IDC 20 00:32:01.5-0.1, 24:91N-123:45E, h0km, mb4.2/9, mb1.4/39, mb1mx3.9/58, mb1mp4.2/9, Error ellipse: s-maj=29.4km s-min=22.4km az=82.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ISC 20 00:32:02.3-0.7, 24:84N-123:37E-0:04, h10km, n19, c095/23, mb4.1/9, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JYNG Yonagunijimaku, JYNG Yonagunijimaku, JYNG Yonagunijimaku, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, IRIF Iriomote-Funau, IRIF Iriomote-Funau, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JKRS Kuro-shima, JKRS Kuro-shima, JKRS Kuro-shima, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JIJI Ishigaki jima, JIJI Ishigaki jima, JIJI Ishigaki jima, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like HATJ Hateruma jima, HATJ Hateruma jima, HATJ Hateruma jima, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JIRG Ishigakijimahi, JIRG Ishigakijimahi, JIRG Ishigakijimahi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JIRB Irukajima, JIRB Irukajima, JIRB Irukajima, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JIKM Ikemajima, JIKM Ikemajima, JIKM Ikemajima, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KLR Kurland, KLR Kurland, KLR Kurland, etc.

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

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KURB Kurchatov Arr, KURB Kurchatov Arr, KURB Kurchatov Arr, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ISC/JB 20 00:37:09.9-0.2, 30:23N-103:102:94E-0:03, h10km, mb4.6/78, Error ellipse: s-maj=4.1km s-min=3.4km az=161.5

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IDC 20 00:37:09.6-0.4, 30:15N-102:89E, h0km, mb4.4/33, mb1.4/534, mb1mx4.4/58, mb1mp4.4/34, ML4.3/1, Error ellipse: s-maj=13.4km s-min=9.6km az=49.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NEIC 20 00:37:11.6-0.2, 30:22N-102:97E, h10km, mb4.8/26, Error ellipse: s-maj=5.6km s-min=4.7km az=221.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BJI 20 00:37:13.6, 30:18N-102:93E, h19km, mb4.7/21, ML4.5/20, MOS 20 00:37:13.2-0.9, 30:23N-102:94E, h33km, mb4.9/19, Error ellipse: s-maj=8.0km s-min=5.7km az=113.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ISC 20 00:37:12.1-0.3, 30:18N-104:102:96E-0:04, h10km, n189, c185/198, mb4.7/78, 16C-4D, Sichuan

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GYA Guiyang, GYA Guiyang, GYA Guiyang, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KMI Kunming, KMI Kunming, KMI Kunming, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KMI Kunming, KMI Kunming, KMI Kunming, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ENH Enshi, ENH Enshi, ENH Enshi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like XAN Xi'an, XAN Xi'an, XAN Xi'an, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like XAN Xi'an, XAN Xi'an, XAN Xi'an, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like XAN Xi'an, XAN Xi'an, XAN Xi'an, etc.



20d Oh

Table of station data for 20d Oh, including columns for station name, frequency, power, and other technical details.

2013 APR

Table of station data for 2013 APR, including columns for station name, frequency, power, and other technical details.

1232

Table of station data for 1232, including columns for station name, frequency, power, and other technical details.



20d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHME, YZKH, IKLH, NAZ, ASUD, MSFE, etc.

IDC 20 00:58:42.71.1.30.29N.103.23E, h0km, mb3.3/5, Error ellipse: s-maj=83.3km s-min=21.3km az=58.0, Sichuan

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

TEH 20 00:58:54.4.37.68N.48.29E, h10km, MLC3.0, AZER 20 00:58:54.9.0.1.37.77N.48.46E, h14km, ml3.1/14, Error ellipse: s-maj=2.0km s-min=1.4km az=314.0

ISCJB 20 00:58:58.5.0.5.37.70N.0.03:48.50E:0.05, h39km, Error ellipse: s-maj=5.9km s-min=4.2km az=163.3

ISC 20 00:58:54.7.1.3.37.75N.0.03:48.40E:0.03, h11km, 11km, n26, c242/43, 9C-24D, Northwestern Iran

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ISRB, ASTR, LKRN, IHRH, GLBA, IAZR, IGZV, ORD, QALM, QABG, IMRD, IRAZ, BRDA, NAX, SBZ, GBS, POL, IML, ATGJ, GANJ, HYR, XNQ, SEKA, GDB.

IDC 20 01:00:08.0.1.3.30.20N.103.15E, h0km, mb3.4/4, mb1.3/6.4, mb1mx3.2/5.2, mbtmp3.4/4, Error ellipse: s-maj=386.6km s-min=21.8km az=55.0, Sichuan

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

ISCJB 20 01:02:54.4.0.2.30.25N.0.02:102.93E:0.02, h10km, mb4.6/11.3, Error ellipse: s-maj=3.5km s-min=3.1km az=11.7

IDC 20 01:02:54.2.0.4.30.25N.102.92E, h0km, mb4.4/3.3, mb1.4/3.5, mb1mx4.4/5.2, mbtmp4.4/3.5, MLC3.7/1, MS5.2/1, Ms1.5/2.1, ms1mx4.2/5.6, Error ellipse: s-maj=3.1km s-min=2.9km az=53.0

NEIC 20 01:02:56.2.0.1.30.26N.102.99E, h10km, mb4.9/6.5, Error ellipse: s-maj=3.5km s-min=3.0km az=210.0

2013 APR

MOS 20 01:02:57.3.1.1.30.24N.102.98E, h30km, mb4.9/4.7, Error ellipse: s-maj=6.8km s-min=4.8km az=102.7

BUJ 20 01:02:58.3.30.28N.102.93E, h15km, mb4.8/4.4, MLC4.9/16, Ms4.8/2.2, Ms7.4/8.1/8

ISC 20 01:02:56.6.0.3.30.27N.0.03:102.95E:0.04, h10km, n244, c153/250, mb4.8/11.3, 11C-4D, Sichuan

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Chengdu, Guiyang, Kunming, Lanzhou, Xi'an, Xian, Gaotai, Nong, CMAR, UTTA, HHC, HCH, QIZ, QIZ, QIZ, QIZ, SUKH, TIA, SKNT, NJ2, NJ2, NJ2, KHON, KHON, KHON, CHAI, UMPA, BJI, RAMN, JIRI, UTHA, PKI, PKIN, KKN, DMN, GKN, SRAK, SRDT, DANN, KOLL, SSSL, PHET, PYUN, SONM, WMQ, WMQ, WMQ.

1234

Large table with columns: Code, Station Name, Time, Res. Includes stations like WMQ, ZAK, SNY, TJN, TLY, TLY, MOY, MOY, KS15, KSAR, KSAR, KS01, KRSR, IRK, IRK, CN2, DGZ, DGZ, PDGK, PDGK, HIA, HIA, HIA, MK01, MK31, MK31, MK31, MKAR, SKLT, PRZ, PRZ, PRZ, MAKZ, MAKZ, MAKZ, TARG, KDJ, KDJ, KDJ, KSH, KSH, KSH, KSH, KSH, JNU, JNU, JNU, NRN, NRN, NRN, TKM2, TKM2, NIL, NIL, MDJ, MDJ, MDJ, MDJ, HYB, AAK, AAK, AAK, VLA, VLA, USAOB, USAR, ZAAO, ZALV, ZALV, ZALV, KURBB, KURK, KURK, KURK, NVS, NVS, NVS, NVS, BOD, BOD, KK31, KKAR, KBL, KBL, OTUK, OTUK, MJAR, TMY, PALK, PALK, PALK.











SKR	Severo-Kuril's	1.37 307	Pn	Pn	01 14 35.4 +0.0
SKR			S	S	01 14 53.6 +1.3
PAU	Pauzhetka	1.73 338	eP	Pn	01 14 40.7 +0.4
PAU	Pauzhetka	1.73 338	eP	Pn	01 14 40.7 +0.4
PAU			AMB	AMB	01 14 42.4
PAU	410nm,0.5s		eS	Sn	01 15 04.1 +3.0
PAU			A	A	01 15 07.0
PAU	1µm,0.3s				
PAU	Pauzhetka	1.73 338	PN	Pn	01 14 40.7 +0.4
ALID	Alaid	1.77 305	eP	Pn	01 14 41.9 +0.8
ALID	Alaid	1.77 305	PN	Pn	01 14 41.9 +0.8
KDTR	Khodutka, Kamc	1.95 4	eP	Pn	01 14 42.4 -0.9
KDTR	Khodutka, Kamc	1.95 4	eP	Pn	01 14 42.4 -0.9
RUS	Russkaya	2.60 9	eP	Pn	01 14 51.6 -0.7
RUS	Russkaya	2.60 9	PN	Pn	01 14 51.6 -0.7
MTVR	Mutnovka	2.63 5	eP	Pn	01 14 52.3 -0.5
MTVR			eS	S	01 15 22.4 -1.1
MTVR	Mutnovka	2.63 5	PN	Pn	01 14 52.3 -0.5
PET	Petrovsk	3.20 9	eP	Pn	01 15 00.2 -0.3
PET	Petrovsk	3.20 9	eP	Pn	01 15 00.2 -0.3
PET			AMB	AMB	01 15 01.8
PET	30nm,0.3s		eS	Sn	01 15 38.1 +0.7
PET			A	A	01 15 40.1
PET	68nm,0.4s		eS	Sn	01 15 59.9 -0.6
PET			eS	Sn	01 15 35.8 -1.6
PET	comp=Z,28nm,0.4s		pmax	pmax	
PET	comp=N,252nm,0.5s		smax	smax	
PET	comp=E,206nm,0.6s		smax	smax	
DALK	Dalny	3.22 10	eP	Pn	01 15 00.4 -0.4
DALK	Dalny	3.22 10	PN	Pn	01 15 00.4 -0.4
PETK	Petrovsk	3.25 359	P	P	01 15 01.8 +0.6
PETK	comp=E,5.1nm,0.3s,baz=148,slow=17,SNR=33				
PETK	comp=E,3.5nm,0.3s,baz=158,slow=16,SNR=3.9				
UGLR	Uglovaya	3.40 10	eP	Pn	01 15 03.7 +0.3
UGLR	Uglovaya	3.40 10	PN	Pn	01 15 03.7 +0.3
AVH	Avacha	3.45 40	PN	Pn	01 15 05.1 +1.1
AVH	Avacha	3.45 40	PN	Pn	01 15 05.1 +1.1
SMAR	Somma	3.45 10	eP	Pn	01 15 05.8 +1.6
SMAR	Somma	3.45 10	PN	Pn	01 15 05.8 +1.6
SDLR	Sedlovina	3.48 10	PN	Pn	01 15 04.3 -0.2
SDLR	Sedlovina	3.48 10	PN	Pn	01 15 04.3 -0.2
KRER	Koryakskii	3.49 9	eP	Pn	01 15 05.4 +0.7
KRER	Koryakskii	3.49 9	PN	Pn	01 15 05.4 +0.7
KRX	Arik	3.53 8	eP	Pn	01 15 06.6 +1.3
KRX	Arik	3.53 8	PN	Pn	01 15 06.6 +1.3
KZV	Kizimen	5.46 15	eP	Pn	01 15 33.2 +1.4
KZV	Kizimen	5.46 15	PN	Pn	01 15 33.2 +1.4
TUMR	Tumrok	5.60 14	PN	Pn	01 15 36.1 +2.4
TUMR	Tumrok	5.60 14	PN	Pn	01 15 36.1 +2.4
KBTR	Krutoberegovo	7.02 23	eP	Pn	01 15 52.2 -0.8
KBTR	Krutoberegovo	7.02 23	PN	Pn	01 15 52.2 -0.8
SMKR	Semkarok	7.07 17	PN	Pn	01 15 54.5 +0.8
SMKR	Semkarok	7.07 17	PN	Pn	01 15 54.5 +0.8
SRKR	Sorokina	7.08 15	PN	Pn	01 15 54.9 +1.0
SRKR	Sorokina	7.08 15	PN	Pn	01 15 54.9 +1.0
H1S1	WAKE ISLAND Hy 32.09 164	T	T	T	01 55 30.2
H1S3	WAKE ISLAND Hy 32.10 164	T	T	T	01 55 30.2
H1S2	WAKE ISLAND Hy 32.10 164	T	T	T	01 55 29.6
ILAR	Eielson Array	32.13 41	P	P	01 20 36.9 +0.4
INXK	Inuvik	37.31 35	P	P	01 21 22.5 +1.5
ZALV	Zalesovo Beam	43.39 305	P	P	01 22 10.0 -1.5
YKA	Yellowknife Ar	51.32 309	P	P	01 22 38.0 +1.8
KURK	Kurchatov	48.28 303	P	P	01 22 50.0 -1.0
MK31	Makanchi Array	48.32 297	eP	Pn	01 22 49.5 -1.0
MK31	Makanchi Array	48.32 297	eP	Pn	01 22 49.5 -1.0
MK31			pmax	pmax	
MKAR	Makanchi Array	48.32 297	P	P	01 22 49.0 -1.6
MKAR	comp=Z,1.0nm,0.8s,baz=255,slow=6.6,SNR=5.3				
MKAR	Makanchi Array	48.32 297	P	P	01 22 49.8 -1.6
MK01	Makanchi Array	48.33 297	eP	Pn	01 22 49.8 -1.6
KURBB	Kurchatov Arra	48.38 303	P	P	01 22 50.0 -0.9
BVAR	Borovoye Array	51.32 309	P	P	01 23 12.2 -0.9
BVAR	comp=Z,0.8nm,0.4s,baz=58,slow=9.2,SNR=5.9				
ARCES	ARCCESS Array B	55.91 342	P	P	01 23 46.5 -0.1
ARCES	comp=Z,3.0nm,0.8s,baz=38,slow=8.0,SNR=3.0				
PDAR	Pinedale Array	60.38 58	P	P	01 24 20.8 +2.3
PDAR	comp=Z,0.8nm,0.8s,baz=295,slow=4.2,SNR=3.6				
FINES	FINES Array B	62.51 336	P	P	01 24 31.0 -1.2
FINES	comp=Z,0.7nm,0.5s,baz=110,slow=10,SNR=3.8				
NOA	NORSAR Array B	66.23 343	P	P	01 24 55.9 -0.8
NOA	comp=Z,0.8nm,0.8s,baz=330,slow=6.5,SNR=3.3				
GEYT	Alibek	67.65 303	P	P	01 25 03.7 -2.4
GEYT	comp=Z,130nm,0.3s,baz=12,slow=7.4,SNR=3.1				
AKASG	Malin Array Be	70.63 328	P	P	01 25 23.2 -1.0
AKASG	comp=Z,0.7nm,0.4s,baz=28,slow=5.5,SNR=3.3				
TXAR	Lajitas Array	73.25 64	P	P	01 25 42.2 +1.7
TXAR	comp=Z,0.8nm,0.7s,baz=294,slow=4.4,SNR=9.5				
GERES	GERESS Array B	76.94 337	P	P	01 26 00.4 -1.0
GERES	comp=Z,1.2nm,0.5s,baz=40,slow=8.7,SNR=6.9				
BRTR	Keskin Array B	78.18 319	P	P	01 26 07.6 -0.9
BRTR	comp=Z,3.2nm,1.1s,baz=53,slow=3.4,SNR=5.7				

ISCJB 20 01:17:44.7±0.5, 30°06'N, 102°08'E, 0.1, h10km, mb4.0/13, Error ellipse: s-maj=15.7km s-min=9.2km az=144.4

ISC 20 01:17:45.2±0.9, 30°16'N, 102°09'E, h0km, mb3.8/10, mb1.4, 0/11, mb1mx3.652, mbtmp3.8/11, ML3.5/1, Error ellipse: s-maj=39.9km s-min=17.1km az=59.0

NEIC 20 01:17:46.6±0.4, 30°12'N, 102°07'E, h10km, mb4.3/4, Error ellipse: s-maj=13.7km s-min=7.5km az=50.0

ISC 20 01:17:46.8±1.0, 30°10'N, 102°10'E, 0.1, h10km, n24, c0572/24, mb4.1/13, Sichuan

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
ENH	Enshi	5.75 87	eP	Pn	01 19 12.7 +0.5
SOMA	Songino Array	17.88 8	P	P	01 21 56.9 +0.6
SOMA	Songino Array	17.88 8	P	P	01 21 56.9 +0.6
MK32	Makanchi Array	23.03 322	eP	Pn	01 22 53.7 +1.7
MKAR	Makanchi Array	23.03 322	eP	Pn	01 22 53.7 +1.7
ZALV	Zalesovo Beam	27.14 336	P	P	01 23 30.1 +0.2
ZALV	comp=Z,0.5nm,0.4s,baz=173,slow=12,SNR=2.8				
ZAA1	Zalesovo Array	27.14 336	eP	Pn	01 23 30.1 +0.2
KURBB	Kurchatov Arra	27.36 325	eP	Pn	01 23 32.8 +0.7
KURBB	comp=Z,0.4nm,0.4s,baz=128,slow=6.0,SNR=3.8				
TIXI	Tiksi	43.90 12	P	P	01 25 52.5 -0.6
TIXI	Tiksi	43.90 12	eP	Pn	01 25 52.9 -0.3
BR101	Keskin Array S	56.27 300	eP	Pn	01 27 27.8 0.0
BRTR	Keskin Array B	56.28 300	P	P	01 27 27.8 0.0
ARAO	ARCCESS Array S	57.69 336	eP	Pn	01 27 36.4 -0.8
ARCES	ARCCESS Array B	57.69 336	eP	Pn	01 27 36.4 -0.8
FIAD	FINES Array S	57.76 326	eP	Pn	01 27 36.8 -0.9
FINES	FINES Array B	57.76 326	eP	Pn	01 27 36.8 -0.9
WRAB	Tennant Creek	58.30 145	eP	Pn	01 27 42.0 +0.1
WR1	Warramunga Arr	58.30 145	eP	Pn	01 27 42.0 +0.1
WR2	Warramunga Arr	58.30 145	P	P	01 27 42.0 +0.1
ADK	Adak	61.25 44	eP	Pn	01 28 01.7 -0.2
AS31	Alice Springs	61.25 147	eP	Pn	01 28 02.5 +0.2
ASAR	Alice Springs	61.25 147	P	P	01 28 02.5 +0.2
YKA	Yellowknife Ar	82.92 17	P	P	01 30 11.0 -0.5
YKB5	Yellowknife Ar	82.92 17	eP	Pn	01 30 11.0 -0.5

PATY	Pattaya	17.35 187	P	P	01 24 24.1 +1.1
PHET	Kaeng Krachan	17.53 191	P	P	01 24 17.9 +2.4
PHET	18nm,0.9s,136nm				
PYUN	Piuthan	17.65 76	eP	Pn	01 24 14.6 -1.4
PYUN	102nm,1.1s				
SONM	Songino Array	17.76 8	P	Pn	01 24 16.9 -0.2
SONM	0.3nm,0.3s,baz=191,slow=12,SNR=6.2				
WMQ	Urumqi	18.23 322	eP	Pn	01 24 21.8 -1.1
WMQ			pmax	pmax	
WMQ	comp=Z,35nm,1.1s				
WMQ	s-maj=4.4km s-min=4.0km az=54.0				
WMQ	comp=Z,3µm,9.9s				
WMQ	comp=N,6µm,14.5s				
WMQ	comp=E,4µm,13.9s				
WMQ	comp=Z,2µm,12.3s				
ZAK	Zakamensk	20.12 0	eP	Pn	01 24 45.2 -0.4
ZAK			pmax	pmax	
PBA	Port Blair	20.82 210	eP	Pn	01 24 52.9 -1.0
PBA	comp=Z,120nm,1.4s				
MOY	Monday	21.46 356	eP	P	01 25 03.5 +5.2
KS15	Wonju Array S	21.81 64	eP	P	01 25 02.1 +0.1
KSAR	Wonju Array Be	21.81 64	P	P	01 25 02.5 +0.5
KSAR	Wonju Array Be	21.81 64	P	P	01 25 02.5 +0.5
KS15	Wonju Array S	21.82 64	eP	P	01 25 01.3 -0.9
KSRS	Korea Array	21.84 64	P	P	01 25 02.5 +0.2
CN2	Changchun	22.34 47	eP	P	01 25 10.0 +2.3
CN2			pmax	pmax	
MK01	Makanchi Array	23.04 322	eP	P	01 25 15.2 +0.1
MK31	Makanchi Array	23.06 322	eP	P	01 25 15.9 +0.6
MK31	Makanchi Array	23.06 322	eP	Pn	01 25 15.9 +0.6
MK31			pmax	pmax	
MKAR	Makanchi Array	23.06 322	P	P	01 25 14.9 -0.4
MKAR	comp=Z,5.2nm,0.8s,baz=109,slow=8.7,SNR=12				
SKLT	Songkhro	23.06 186	P	P	01 25 19.1 +3.6
MAKZ	Makanchi	23.24 321	eP	P	01 25 17.1 0.0
MAKZ	comp=Z,25nm,1.1s				
MAKZ	Makanchi	23.24 321	eP	Pn	01 25 17.1 0.0
MAKZ			pmax	pmax	
JNU	Nakatsue	23.83 76	P	P	01 25 24.0 +0.9
KDJ	Kajisay	23.92 307	eP	P	01 25 24.2 +0.2
KDJ	comp=Z,22nm,1.0s				
KDJ	Kajisay	23.92 307	eP	Pn	01 25 24.2 +0.2
KDJ			pmax	pmax	
KSH	Kashi	23.99 300	P	P	01 25 28.8 +4.2
KSH			pP	pP	01 25 31.5 +2.0
KSH			pP	pP	01 25 34.8 +6.8
KSH			pP	pP	01 26 04.8 +1.2
KSH			S	S	01 29 43.9 +2.3
KSH			SS	SS	01 30 34.1 +1.3
KSH			pmax	pmax	
KSH	comp=Z,1.1nm,0.5s				
KSH	comp=Z,560nm,4.5s				
KSH	comp=Z,280nm,8.2s				
KSH	comp=Z,870nm,7.0s				
NRN	Naryn	24.51 304	eP	P	01 25 30.0 +0.4
NRN	Naryn	24.51 304	eP	P	01 25 30.0 +0.4
MDJ	Mudanjiang	25.36 48	P	P	01 25 38.9 +2.0
NIL	Nilore	25.47 285	eP	P	01 25 38.8 +0.7
NIL	Nilore	25.47 285	eP	P	01 25 38.8 +0.7
AAK	Ala-Archa	25.96 306	P	P	01 25 41.7 -0.9
AAK	comp=Z,0.5nm,0.5s,baz=129,slow=7.3,SNR=2.7				
AAK	Ala-Archa	25.96 306	eP	P	01 25 42.9 +0.3
AAK	Ala-Archa	25.96 306	eP	P	01 25 42.9 +0.3
AAK			pmax	pmax	
USRK	Ussuriysk Arr	26.77 51	P	P	01 25 50.1 +0.5
USRK	comp=Z,1.3nm,0.5s,baz=236,slow=8.8,SNR=7.6				
KKM	Kota Kinabalu	27.07 150	eP	P	01 25 52.4 -0.4
ZAAO	Zalesovo Array	27.12 336	eP	P	01 25 52.9 +0.2
ZAAO	comp=Z,2.1nm,1.2s				
ZALV	Zalesovo Beam	27.12 336	P	P	01 25 51.8 -0.9
ZALV	comp=Z,0.9nm,0.3s,baz=134,slow=8.5,SNR=7.9				
ZALV	Zalesovo Array	27.12 336	eP	P	01 25 52.4 -0.3
KURBB	Kurchatov Arra	27.40 325	P	P	01 25 54.5 -0.8
KURBB	comp=Z,0.8nm,0.4s,baz=130,slow=10,SNR=8.9				
KURBB			PcP	PcP	01 29 10.9 -3.0
KURK	Kurchatov	27.41 325	P	P	01 25 55.5 +0.1
KURK	Kurchatov	27.41 325	P	P	01 25 54.5 -0.9
KURK					01 29 10.9
KLR	Kul'dur	28.84 41	P	P	01 26 06.8 -1.3
KLR	comp=Z,0.5nm,0.3s,baz=262,slow=10.0,SNR=3.3				
MJAR	Matsushiro Arr				

20d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like OBNSK, KEESKIN ARRAY B, MALIN ARRAY B, etc.

IDC 20 01:24:01.9.1.6.30.63N.103.74E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.3/5.3, mbtmp3.6/4, Error ellipse: s-maj=96.7km s-min=28.1km az=54.0, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like MKAR, KURBB, WRA, YKA.

IDC 20 01:25:57.8.0.5.30.24N.102.95E, h0km, mb4.2/30, mb1 4.3/32, mb1mx4.2/5.6, mbtmp4.2/32, ML4.2/2, MS5.4/1, Ms1 5.4/1, ms1mx3.9/5.0, Error ellipse: s-maj=14.4km s-min=10.3km az=47.0

ISCJB 20 01:25:58.0.2.30.26N.103.102.97E.0.03, h10km, mb4.4/73, MS5.3/2, Error ellipse: s-maj=4.4km s-min=3.4km az=165.0

NEIC 20 01:26:00.7.0.2.30.34N.103.05E, h10km, mb4.6/32, Error ellipse: s-maj=5.9km s-min=5.1km az=204.0

MOS 20 01:26:01.6.1.2.30.27N.103.06E, h33km, mb4.7/25, Error

2013 APR

ellipse: s-maj=7.8km s-min=5.2km az=113.3 BUJ 20 01:26:01.1.30.19N.102.95E, h17km, mb4.5/30, mb5.1/3, ML4.4/22, Ms4.6/23, Ms7 4.5/14

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like CHENGDU, GUIYANG, KUNMING, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like WMQ, Urumqi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like MOY, K515, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, P, S, Res, Time, Res, ISC. Includes stations like IRK, CN2, MK01, etc.





Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Yuzh-Sakhalins, Tymooskoe, Akbulak array, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Warramunga Arr, Carcaliu, Ion Corvin, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Timpagradne, Sparrevohn, Wattenberg, etc.



202 2h

Table with columns: LZD, Lusaka, Frequency, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

ISC/JB 201:39:32.3e,0.3,30:09N,0:04:102:97E:0:04,h10km, mB4.6/62,MS5.0/2,Error ellipse: s-maj=5.4km

IDC 201:39:32.0,5,30:10N:102:99E,h0km,mB4.4/28, mb1 4.5/29,mb1mx4.5/52,mbtmq4.29,ML4.3/1,Error ellipse: s-maj=15.6km s-min=10.4km az=43.0

NEIC 201:39:34.2e,0.2,30:15N:102:95E,h10km,mb4.8/37,Error ellipse: s-maj=5.1km s-min=3.8km az=220.0

BUI 201:39:35.0,30:13N:102:84E,h17km,mb4.7/17,mB5.1/3, ML4.9/7,Ms4.7/5,Ms7.4/6/6

MOS 201:39:36.1e,1.0,30:15N:102:97E,h36km,mb4.9/16,Error ellipse: s-maj=9.9km s-min=6.2km az=96.3

ISC 201:39:34.0e,0.4,30:05N:102:106E:0:05,h10km,n137, a+149/147,mb4.7/62,2C-1D,Sichuan

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

2013 APR

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.



20d 2h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WB2 Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, etc.

THR 20 02:24:31.1, 28.02N, 51.75E, h6km, ML3.5
ISCJB 20 02:24:32.0, 27.18N, 0.05:51.78E:0.05, h10km,
mb3.0/9, Error ellipse: s-maj=7.7km s-min=5.9km az=24.7

TEH 20 02:24:33.5, 28.13N, 51.77E, h5km, ML3.4
ISC 20 02:24:33.3-1.0, 28.11N, 0.07:51.79E:0.06, h10km, n33,
e092/33, mb3.5/8, Southern Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GHIR Ghir-Karzin, SHI Shiraz, KAZEROUN Kazeroun, etc.

IDC 20 02:29:46.6, 0.7, 30.16N, 102.80E, h0km, mb3.9/16,
mb1 4.1/17, mb1mx3.8/52, mbtmp3.9/17, ML3.8/1, MS5.0/2,
M51 5.0/2, ms1mx3.8/48, Error ellipse: s-maj=22.3km
s-min=14.7km az=42.0
ISCJB 20 02:29:47.1, 0.3, 30.21N, 0.03:102.82E:0.04, h10km,
mb4.1/32, MCS:0.2, Error ellipse: s-maj=5.3km
s-min=4.4km az=172.3
NEIC 20 02:29:48.8, 0.2, 30.25N, 102.83E, h10km, mb4.4/15, Error

2013 APR

ellipse: s-maj=5.8km s-min=4.6km az=63.0
BUJ 20 02:29:49.3, 30.18N, 102.81E, h12km, mb4.2/10, ML4.0/18,
M53.9/7, M57 3.8/7
ISC 20 02:29:49.1-0.5, 30.20N, 0.04:102.83E:0.05, h10km, n65,
e192/70, mb4.2/32, 2C-1D, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Chengdu, Guiyang, Kunming, etc.

CMAR Chiang Mai Arr 12.31 198 Pn Pn 02 32 45.0 +0.5
CMAR Chiang Mai Arr 12.31 198 Pn Pn 02 32 45.1 +0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WMQ Wumeng, TLY Talaya, KS15 Wonju Array S1, etc.

ASAR Alice Springs 61.39 147 P P 02 40 04.2 -1.4
ASO1 Alice Springs 61.41 147 P P 02 40 05.4 -0.3
CTAO Charters Tower 65.22 135 P P 02 40 30.1 -1.0
BPWA Bear Paw Mtn. 69.81 27 P P 02 40 59.9 +0.4
MDM Murphy Dome 70.44 25 P P 02 41 03.9 +0.6

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILB Eielson Array, etc.

ISCJB 20 02:32:05.0, 1.0, 30.11N, 0.1:103.2E:0.2, h10km, mb3.5/7,
Error ellipse: s-maj=27.3km s-min=15.5km az=148.4
IDC 20 02:32:05.5, 1.1, 30.18N, 103.21E, h0km, mb3.7/7,
mb1 3.8/8, mb1mx3.5/49, mbtmp3.7/8, Error ellipse:
s-maj=39.7km s-min=18.5km az=58.0
ISC 20 02:32:06.9-1.3, 30.22N, 0.2:103.2E:0.2, h10km, n8,
e1502/8, mb3.6/7, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SONM Songo Array, KSRS Korea Array, etc.

IDC 20 02:38:32.9, 0.5, 30.23N, 103.03E, h0km, mb4.2/32,
mb1 4.3/34, mb1mx4.2/62, mbtmp4.2/34, ML4.2/2, Error
ellipse: s-maj=14.2km s-min=10.5km az=45.0
ISCJB 20 02:38:33.1, 0.2, 30.22N, 0.02:103.04E:0.02, h10km,
mb4.3/36, M54.7/34, M57 4.5/31
s-maj=3.0km az=22.5
NEIC 20 02:38:35.0, 0.1, 30.27N, 103.11E, h10km, mb4.6/44, Error
ellipse: s-maj=3.8km s-min=3.4km az=218.0
BUJ 20 02:38:36.6, 30.25N, 103.01E, h17km, mb4.5/33, mb5.0/16,
ML4.6/23, M54.7/34, M57 4.5/31
MOS 20 02:38:36.2, 1.0, 30.23N, 103.08E, h33km, mb4.6/33, Error
ellipse: s-maj=7.9km s-min=5.0km az=110.0
ISC 20 02:38:35.3-0.3, 30.24N, 0.03:103.03E:0.03, h10km, n196,
e1976/208, mb4.5/86, 6C-3D, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CD2 Chengdu, GYA Guiyang, etc.

CMAR Chiang Mai Arr 12.31 198 Pn Pn 02 32 45.0 +0.5
CMAR Chiang Mai Arr 12.31 198 Pn Pn 02 32 45.1 +0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CD2 Chengdu, GYA Guiyang, etc.



20d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JACOM, JOD2, JFNN, MJAR, etc.

MEX 02:02:44:09.4.0.5, 15.57N-93.24W, h97km, 6km, MD3.8, Near coast of Chiapas

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

ISCJB 20 02:44:22.2.5, 6.25S, 0.5x11.3W, 0.4, h10km, mb4.4/17, MS4.2/4, Error ellipse: s-maj=88.9km s-min=14.5km az=145.7

IDC 20 02:44:24.3.3.4, 5.83S, 11.51W, h0km, mb4.1/9, mb1 4.2/9, mb1 mx3.9/45, mbtmp4.1/9, MS4.2/5, MS1.4/2, ms1mx3.9/37, Error ellipse: s-maj=127.7km s-min=20.3km az=150.0

ISC 20 02:44:25.7.3.1, 5.99S, 0.7x11.5W, 0.5, h10km, z=27, s=130/17, mb4.4/17, MS4.2/4, Ascension Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H10N2, H10N1, H10N3, H10S1, etc.

ISCJB 20 02:46:46.0.0.8, 30.09N, 0.08x103.09E, 0.10, h10km, mb3.5/6, Error ellipse: s-maj=14.5km s-min=7.9km az=42.6

IDC 20 02:46:46.2.1.1, 30.02N, 102.99E, h0km, mb3.6/6, mb1 3.7/7, mb1mx3.4/50, mbtmp3.5/7, ML3.1/1, Error ellipse: s-maj=67.7km s-min=18.6km az=61.0

BUI 20 02:46:48.9, 30.27N, 102.95E, h18km, ML3.6/3, Error ellipse: s-maj=71.0km s-min=22.3km az=66.0

ISC 20 02:46:47.7, 1.1, 30.22N, 101.03E, 0.09, h10km, n10, s=189/14, mb3.5/6, Sichuan

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

IDC 20 02:49:30.4.8.0, 5.67S, 150.90E, h81km, 58km, mb3.4/2, mb1 3.7/4, mb1mx3.3/36, mbtmp3.9/4, ML3.0/2, Error ellipse: s-maj=82.2km s-min=54.1km az=126.0, New Britain region

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

2013 APR

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

IDC 20 02:52:11.4.1.3, 29.83N, 102.76E, h0km, mb3.2/4, mb1 3.4/5, mb1mx3.3/42, mbtmp3.2/5, ML3.7/1, Error ellipse: s-maj=71.0km s-min=22.3km az=66.0, Sichuan

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

KRSC 20 02:55:55.8, 10.0, 49.98N, 157.99E, h60km, 10km, ML4.1 SKR 20 02:55:57.2, 0.2, 49.57N, 157.59E, h55km, mb4.4/2, Error ellipse: s-maj=56.9, 3.7, 49.7N, 0.2, 157.88E, 0.09, h39km, n16, s=157/22, East of Kuril Islands

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

BUI 20 03:04:59.8, 30.34N, 102.92E, h7km, ML3.5/3, Sichuan

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

NNC 20 03:12:19.8, 6.8, 36.76N, 70.71E, h105km, 177km, mb3.1, mpv3.6, 4C-4D, Error ellipse: s-maj=53.0km s-min=44.1km az=179.0, Hindu Kush region

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

KRSC 20 03:12:27.7, 10.0, 60.16N, 163.48E, h25km, 10km, ML4.3, Eastern Siberia

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

ISCJB 20 03:16:20.9, 0.5, 39.22N, 0.03x34.54E, 0.03, h6km, 6km, Error ellipse: s-maj=6.4km s-min=3.8km az=151.6

DDA 20 03:16:20.5, 39.25N, 34.56E, h7km, 2km, ML2.5, Error ellipse: s-maj=6.4km s-min=3.8km az=151.6

ISK 20 03:16:20.2, 39.40N, 34.40E, h15km, ML2.1/8, Error ellipse: s-maj=6.4km s-min=3.8km az=151.6

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

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

IDC 20 03:19:47.4, 0.9, 30.23N, 102.85E, h0km, mb3.8/11, mb1 4.0/12, mb1mx3.7/46, mbtmp3.8/12, ML3.6/1, Error ellipse: s-maj=3.1km s-min=16.4km az=58.0

ISCJB 20 03:19:48.2, 0.3, 30.35N, 102.97E, 0.05, h10km, mb3.9/16, Error ellipse: s-maj=6.8km s-min=4.9km az=164.6

NEIC 20 03:19:49.7, 0.3, 30.32N, 102.92E, h10km, mb4.2/6, Error ellipse: s-maj=7.9km s-min=6.4km az=65.0

BUI 20 03:19:53.5, 30.25N, 103.05E, h16km, ML3.7/16, Ms3.4/1, Ms7.3/3/2

ISC 20 03:19:50.4, 0.6, 30.32N, 102.99E, 0.06, h10km, n39, s=189/39, mb4.1/16, 1C, Sichuan

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

IDC 20 03:29:09.8, 1.0, 30.08N, 102.90E, h0km, mb3.7/7, mb1 3.8/8, mb1mx3.5/61, mbtmp3.7/8, ML3.6/1, Error ellipse: s-maj=38.1km s-min=17.9km az=58.0

ISCJB 20 03:29:10.6, 0.5, 30.21N, 103.00E, 0.07, h10km, mb3.6/7, Error ellipse: s-maj=8.7km s-min=5.8km az=178.8

BUI 20 03:29:13.0, 30.18N, 102.85E, h23km, mb3.8/11, ML3.7/13, Error ellipse: s-maj=8.7km s-min=5.8km az=178.8

ISC 20 03:29:12.3, 0.8, 30.23N, 102.96E, 0.07, h10km, n14, s=221/21, mb3.6/7, 1C-1D, Sichuan

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







MAK	comp-Z,5.9nm,0.7s,baz=223,slow=7.7,SNR=4.5	03 42 33.3	-2.5	P
MAK	Makhachkala	45.54 302	eP	P
MAK		03 44 20.1		P
MAK		03 49 16.0	-1.3	P
MAK	comp-Z,40nm,0.5s			MLR MLR
PETK	Petropavlovsk-	45.59 44	eP	P
PETK	Petropavlovsk-	45.59 44	eP	P
KIRV	Kirov	45.92 324	P	P
GROC	Groznyy	46.78 303	eP	P
GROC		03 42 42.8	-2.7	P
GROC		03 44 13.6		P
GNI	Garni	47.84 299	P	P
GNI	comp-Z,14nm,0.8s,baz=203,slow=9.7,SNR=3.9			LR LR
GNI		04 04 18.4		
GNI	Garni	47.84 299	P	P
GNI	comp-Z,47nm,1.0s			MLR MLR
GNI	Garni	47.84 299	eP	P
GNI		03 42 54.3	+0.2	P
ZEI	Tsey	48.20 302	eP	P
ZEI		03 42 56.2	-0.7	P
NCK	Naichik	48.36 303	iP	P
NCK		03 42 56.1	-1.8	P
PRGR	Permogore	48.50 328	P	P
PRGR		03 42 56.5	-2.1	P
KBZ	Khabaz	48.85 304	P	P
KBZ	comp-Z,7.6nm,0.9s,baz=121,slow=7.7,SNR=10			LR LR
KBZ		04 06 47.5		
KVAR	Kislovodsk Arr	48.97 304	P	P
KVAR	comp-Z,14nm,0.7s,baz=270,slow=20,SNR=14			LR LR
KVAR		03 43 03.9	+1.2	P
KIV	Kislovodsk	48.98 304	eP	P
KIV	comp-Z,7.4nm,1.0s			MLR MLR
KIV	Kislovodsk	48.98 304	eP	P
KIV	comp-Z,2.1um,16.0s			MLR MLR
KIV	SNR=30			P
KIV		03 43 04.1	+1.4	P
EPOS	Posof	49.20 301	iP	P
VRH	Novokhopovsk	49.38 313	eP	P
VRH		03 43 05.7	+1.1	P
DAGI	Agilgar	49.86 300	iP	P
DAGI		03 43 10.8	+1.3	P
BATM	Batumi	49.96 301	iP	P
DBOC	Borcka	50.01 301	iP	P
DBOC		03 43 11.3	+0.7	P
HOMI	Horasan	50.01 299	iP	P
HOMI		03 43 12.1	+1.2	P
SIRT	Sirnak	50.02 295	eP	P
SIRT		03 43 11.0	+0.2	P
BCA	Borcka	50.03 301	iP	P
DBAD	Bademkaya	50.03 300	iP	P
DBAD		03 43 11.1	+0.4	P
BCA		03 43 11.2	+0.4	P
MTR	Manton Dam	50.66 143	eP	P
MTR	comp-Z,7.5nm,0.4s			MLR MLR
VSN	Storozhevoje	50.98 313	eP	P
VSN	comp-Z,44nm,1.3s			MLR MLR
VSN		03 43 14.4	-3.3	P
LPSR	Galich'ya Gora	51.11 315	eP	P
LPSR		03 43 17.8	-0.8	P
SOC	Sochi	51.16 304	eP	P
SOC	comp-Z,80nm,1.1s			MLR MLR
SOC		03 43 23.0	+3.9	P
SOC		03 50 43.3	+6.6	P
SOC	comp-Z,26nm,0.8s			MLR MLR
BAYB	BAYBURT	51.23 299	iP	P
BAYB	comp-Z,829nm,15.0s			MLR MLR
KLMR	Klimovskoe	51.27 326	eP	P
KLMR	comp-Z,193nm,0.5s			MLR MLR
KLMR	Klimovskoe	51.27 326	eP	P
KLMR	comp-Z,31nm,1.1s			MLR MLR
MOS	Moscow	51.91 319	eP	P
MOS		03 43 23.5	-1.0	P
MOS		03 43 33.4		P
MOS		03 45 22.7		P
MOS	comp-Z,37nm,0.7s			MLR MLR
MOS	comp-Z,80nm,15.0s			MLR MLR
KELT	Kelkit	52.00 299	iP	P
KELT		03 43 27.0	+1.2	P
BILL	Bilibino	52.48 25	eP	P
BILL	comp-Z,17nm,0.3s			MLR MLR
BILL	Bilibino	52.48 25	eP	P
BILL	comp-Z,15nm,0.7s			MLR MLR
BILL		03 43 28.3	-0.3	P
BILL		03 43 28.0	-0.6	P
BILL		03 43 36.0	+0.2	P
BILL		03 45 27.0		P
BILL	comp-Z,24nm,1.0s			MLR MLR
OBN	Obninsk	52.50 318	P	P
OBN	comp-Z,986nm,17.0s			MLR MLR
OBN	Obninsk	52.50 318	eP	P
OBN	comp-Z,3.3nm,0.5s,baz=355,slow=16,SNR=3.3			MLR MLR
OBN	Obninsk	52.50 318	eP	P
OBN		03 43 29.5	+0.6	P
OBN		03 43 38.6		P
OBN		03 43 42.9		P
OBN		03 50 50.0	-1.8	P
OBN	comp-Z,27nm,1.2s			MLR MLR
ANN	Anapa	52.63 305	eP	P
ANN		03 43 28.3	-1.8	P
ANN		03 43 34.1	-1.2	P
FITZ	Fitzroy Crossi	52.73 152	P	P
FITZ	comp-Z,5.8nm,0.8s,baz=349,slow=7.3,SNR=14			MLR MLR
FITZ	Fitzroy Crossi	52.73 152	eP	P
FITZ	comp-Z,21nm,1.0s			MLR MLR
MANU	Manus Island	53.12 119	eP	P
APA	Apatity	54.70 334	iP	P
APA		03 43 26.4	-7.6	P
APA	comp-Z,4.0nm,0.9s			MLR MLR
APA		03 43 45.2	-0.2	P
DIKM	Dikmen	54.71 302	iP	P
SIM	Simerferopol	54.95 306	eP	P
SIM		03 43 46.5	-0.5	P
SIM		03 51 25.0	-3.2	P
VOF	Joensuu	55.29 328	P	P
VOF		03 43 48.6	-0.6	P
BZK	Bokkurt	55.57 302	iP	P
ASF	Jabal al Asfar	56.70 290	P	P
ASF	comp-Z,9.1nm,0.8s,baz=81,slow=4.3,SNR=11			MLR MLR
ASF	Jabal al Asfar	56.70 290	P	P
BR131	Keskin Array S	56.32 300	eP	P
BR131	comp-Z,5.5nm,0.8s			MLR MLR
BR131	Keskin Array S	56.32 300	eP	P
BR131	comp-Z,1.9nm,0.7s,baz=114,slow=5.7,SNR=17			MLR MLR
BR131	Keskin Array B	56.32 300	eP	P
BR131		03 43 56.2	-0.9	P
BR131		03 43 56.0	-1.2	P
BR131		03 43 56.2	-0.9	P
MMAI	Mount Meron Ar	56.67 292	P	P
MMAI	comp-Z,3.7nm,0.8s,baz=60,slow=8.5,SNR=2.9			MLR MLR
MMAI	Mount Meron Ar	56.67 292	P	P
MMAI		03 43 59.1	-0.6	P
ANTO	Ankara	56.92 300	iP	P
ANTO	comp-Z,19nm,1.0s			MLR MLR
ANTO	Ankara	56.92 300	iP	P
ANTO		03 44 00.1	-1.3	P
ANTO	Ankara	56.92 300	eP	P
ANTO		03 44 00.1	-1.3	P
ANTO	comp-Z,19nm,1.0s			MLR MLR
ANTO	Ankara	56.92 300	P	P
ANTO		03 44 00.9	-0.5	P
AKASG	Malin Array Be	57.29 314	eP	P
AKASG		03 44 02.2	-1.4	P

AKASG	Malin Array Be	57.29 314	eP	P
AKASG		03 44 02.7	-1.0	P
AKKB	comp-Z,6.0nm,0.6s			MLR MLR
AKKB	Malin Array Si	57.29 314	eP	P
AKKB	comp-Z,11nm,0.7s			MLR MLR
KIEV	Kiev	57.30 313	iP	P
KIEV	comp-Z,11nm,0.7s			MLR MLR
KIEV	Kiev	57.30 313	iP	P
KIEV		03 44 02.7	-1.0	P
KIEV		03 44 02.1	-1.6	P
AK11	Malin Array Si	57.33 313	eP	P
SUF	Suominaen	57.66 328	eP	P
SUF		03 44 03.0	-0.9	P
SUF		03 44 04.8	-1.3	P
ARCES	ARCESS Array B	57.71 336	P	P
ARCES	comp-Z,0.8nm,0.4s,baz=87,slow=6.5,SNR=16			MLR MLR
ARCES	ARCESS Array B	57.71 336	P	P
ARCES	comp-Z,1.1nm,0.7s			MLR MLR
FIAT	FINES Array B	57.79 326	eP	P
FINES	FINES Array B	57.79 326	eP	P
FINES	comp-Z,3.7nm,0.7s,baz=95,slow=7.2,SNR=17			MLR MLR
FINES	FINES Array B	57.79 326	iP	P
FINES		03 44 04.0	-3.0	P
NACGM	Naroch	58.14 319	eP	P
NACGM		03 44 18.0	+8.4	P
NACGM		04 45 52.0		P
KIS	Kishinev	58.21 309	eP	P
KIS		03 44 08.0	-2.2	P
KIS		03 52 08.0	-3.4	P
KIS		04 11 46.0		P
KIS	Kishinev	58.21 309	eP	P
KIS	comp-Z,800nm,18.0s			MLR MLR
KIS		03 44 08.0	-2.2	P
KIS		03 52 08.0	-3.4	P
WRAB	Tennant Creek	58.27 145	eP	P
WRAB	comp-Z,173nm,0.9s			MLR MLR
WRAB	Tennant Creek	58.27 145	eP	P
WRAB	comp-Z,135nm,1.7s			MLR MLR
WRA	Warramunga Arr	58.27 145	P	P
WRA	comp-Z,33nm,0.8s,baz=336,slow=7.4,SNR=164			MLR MLR
WRA		04 14 01.1		P
WB2	Warramunga Arr	58.28 145	eP	P
COEN	Coen	58.54 133	eP	P
COEN	comp-Z,59nm,0.9s			MLR MLR
COEN		03 44 09.0	-1.9	P
COEN		03 44 12.8	0.0	P
TLCR	Tirgusor	58.59 307	iP	P
TLCR	comp-Z,13nm,0.9s			MLR MLR
TLCR		03 44 11.9	-1.0	P
TLCR		03 44 11.9	-1.0	P
TLCR		03 44 15.4	-0.5	P
TIRR	Tirgusor	59.03 306	iP	P
TIRR	comp-Z,13nm,0.9s			MLR MLR
TIRR		03 44 15.3	-0.7	P
TIRR		03 44 15.4	-0.5	P
CFR	Carcaiu	59.06 307	iP	P
TLB	Topalu	59.26 307	iP	P
ICOR	Ion Corvin	59.53 306	iP	P
TESR	Tescani	59.77 309	iP	P
VR1	Vrincioia	59.85 308	iP	P
VR1	Vrincioia	59.85 308	iP	P
PLOR	Plostina	59.92 308	iP	P
BIZ	Bicaz	60.04 310	iP	P
MORV	Morava	60.20 167	eP	P
MORV	comp-Z,45nm,1.0s			MLR MLR
SUW	Suwalki	60.36 318	eP	P
SUW		03 44 24.2	-0.7	P
SUW	Suwalki	60.36 318	eP	P
SUW	comp-Z,83nm,0.9s			MLR MLR
SUW		03 44 24.3	-0.7	P
SUW	Suwalki	60.36 318	eP	P
SUW		03 44 24.3	-0.7	P
OZUR	Bucovina Array	60.45 309	iP	P
BURAR	Bucovina Arr	60.47 311	iP	P
BUR08	Bucovina Arr	60.47 311	iP	P
BUR08	comp-Z,35nm,2.0s			MLR MLR
MLR	Muntele Rosu	60.49 308	P	P
MLR	comp-Z,7.2nm,0.9s,baz=65,slow=2.1,SNR=12			MLR MLR
MLR	Muntele Rosu	60.49 308	eP	P
MLR	comp-Z,2.1nm,1.0s			MLR MLR
MLR	Muntele Rosu	60.49 308	iP	P
MLR	Muntele Rosu	60.49 308	eP	P
MLR		03 44 27.1	+0.9	P
MLR		03 44 25.7	-0.5	P
MLR		03 44 25.7	-0.5	P
MLR		03 44 25.7	-0.5	P
LVV	L'vov	60.73 313	eP	P
DOPR	Dopca	60.75 309	iP	P
VOIR	Voiron	61.11 308	P	P
VOIR		03 44 29.5	-0.9	P
VOIR		03 44 29.5	-0.9	P
VOIR	comp-Z,9.0nm,1.0s			MLR MLR
AS31	Alice Springs	61.23 147	eP	P
ASAR	Alice Springs	61.23 147	P	P
ASAR	comp-Z,12nm,0.9s,baz=330,slow=6.1,SNR=59			MLR MLR
ASAR	comp-Z,0.7nm,0.9s,baz=146,slow=4.0,SNR=4.5			MLR MLR
ASO1	Alice Springs	61.25 147	eP	P
GAMB	Gambell	61.41 30	eP	P
GAMB	comp-Z,14nm,1.2s			MLR MLR
ARR	Arres	61.41 308	iP	P
KWP	Kalwaria Pacia	61.61 313	eP	P
KWP	Kalwaria Pacia	61.61 313	eP	P
TRPA	Trpa	62.09 312	iP	P
UZH	Uzhgorod	62.12 312	eP	P
DRGR	Drgr	62.33 310	iP	P
DRGR		03 44 38.8	+0.1	P
DRGR		03 44 38.9	+0.4	P
GZR	Gura Zlata	62.66 309	iP	P
VTS	Vitosh	63.14 306	iP	P
VTS	comp-Z,11nm,0.9s			MLR MLR
VTS	Vitosh	63.14 306	iP	P
VTS		03 44 44.1	0.0	P
VTS		03 44 43.3	-0.8	P
SIRR	Siria	63.17 310	iP	P
NIE	Niedzica	63.18 313	eP	P
NIE	Niedzica	63.18 313	eP	P
OJC	Ojcow	63.27 314	eP	P
OJC		03 44 43.5		P
OJC	Ojcow	63.27 314	eP	P
OJC	comp-Z,20nm,1.1s			MLR MLR
OJC	Ojcow	63.27 314	eP	P
OJC		03 44 44.0	-0.7	P
OJC		03 44 44.0	-0	

20d 3h

Table of astronomical observations for 20d 3h, listing station names, coordinates, and observation details.

2013 APR

Main table of astronomical observations for 2013 APR, listing station names, coordinates, and observation details.

1252

Table of astronomical observations for 1252, listing station names, coordinates, and observation details.





ISA	comp=Z,22nm,1.0s	92.32	55	P	P	03 55 06.3 +0.6
DECC	Isabella, Lake baz=266,SNR=11	92.33	56	P	P	03 55 06.3 +0.7
HAWA	Green Verdugo baz=266	92.38	44	eP	P	03 55 06.6 +1.0
PASC	Hanford comp=Z,56nm,1.1s	92.44	56	eP	P	03 55 06.8 +0.6
RYN	Pasadena Art C comp=Z,49nm,0.9s	92.51	52	eP	P	03 55 06.8 +0.2
MWC	Ryan comp=Z,39nm,0.9s	92.55	56	eP	P	03 55 07.9 +1.0
MWC	Mount Wilson comp=Z,269m,1.1s	92.55	56	eP	P	03 55 07.9 +1.0
MWC	Mount Wilson comp=Z,269m,1.1s	92.55	56	eP	Pmax	03 55 07.9 +1.0
TIN	comp=Z,86nm,1.1s	92.62	53	P	P	03 55 08.0 +0.9
EDW2	Tinemaha, Big baz=266	92.65	55	P	P	03 55 08.1 +0.9
NV01	Edwards Air Fo baz=266,SNR=14	92.67	52	eP	P	03 55 07.7 +0.3
NVAR	Mina Array Sit baz=266,SNR=14	92.67	52	eP	P	03 55 07.7 +0.3
NVAR	Mina Array Be comp=Z,42nm,0.8s,baz=253,slow=6.3,SNR=88	92.67	52	eP	LR	04 30 00.9
B08A	comp=Z,11m,20.7s,baz=280,slow=31	92.67	42	P	P	03 55 06.8 -0.1
G08A	Colville Reser comp=Z,25nm,0.2s	92.69	45	eP	P	03 55 08.0 +0.7
CWC	Pilot Reser comp=Z,75nm,1.2s	92.70	54	P	P	03 55 08.2 +0.7
WVOR	Cottonwood Cre baz=266	92.71	48	eP	P	03 55 08.5 +1.1
WVOR	Wild Horse Val comp=Z,100nm,1.0s	92.71	48	eP	P	03 55 08.5 +1.1
WVOR	Wild Horse Val comp=Z,100nm,1.0s	92.71	48	eP	Pmax	03 55 08.5 +1.1
E08A	comp=Z,100nm,1.0s	92.71	44	eP	P	03 55 08.2 +1.1
NV11	Dider Farn comp=Z,89nm,1.4s	92.78	52	eP	P	03 55 08.7 +0.8
D08A	Mina Array Sit comp=Z,3.7nm,0.9s	92.85	43	eP	P	03 55 08.6 +0.8
KVN	Wollman Farm, comp=Z,40m,1.1s	92.87	51	eP	P	03 55 09.3 +1.0
KVN	Kaiserville comp=Z,38nm,1.0s	92.87	51	eP	P	03 55 09.3 +1.0
KVN	Kaiserville comp=Z,38nm,1.0s	92.87	51	eP	Pmax	03 55 09.3 +1.0
BFS3	comp=Z,38nm,1.0s	92.88	56	P	P	03 55 09.2 +0.8
J08A	Mount Baldy Ra baz=266,SNR=9.4	92.90	47	eP	P	03 55 08.7 +0.5
LRMC	Circle Bar Ran comp=Z,56nm,0.9s	92.95	55	P	P	03 55 09.7 +1.0
DAC	Laurel Mtn Ran baz=266,SNR=25	93.08	54	eP	P	03 55 11.5 +2.2
DAC	Darwin (Calif) comp=Z,56nm,1.0s	93.08	54	eP	P	03 55 11.5 +2.2
DAC	Darwin (Calif) comp=Z,56nm,1.0s	93.08	54	eP	Pmax	03 55 11.5 +2.2
MPMC	comp=Z,56nm,1.0s	93.15	54	P	P	03 55 10.5 +0.9
MURC	Manual Prospec baz=266,SNR=34	93.22	57	P	P	03 55 10.5 +0.6
109C	Murrieta baz=266	93.25	57	P	P	03 55 11.1 +1.2
CPE	Camp Elliot, M baz=266	93.25	57	eP	P	03 55 11.1 +1.2
SYO	Camp Elliot, comp=Z,58nm,1.3s	93.27	199l	eP	P	03 55 10.6 -6.6
SYO	Syowa Base comp=Z,58nm,1.3s	93.27	199l	eP	P	03 55 10.6 -6.6
SYO	Syowa Base comp=Z,58nm,1.3s	93.27	199l	eP	P	03 55 07.0 -2.2
GRAC	Syowa Base comp=Z,58nm,1.3s	93.31	53	P	P	03 55 11.1 +0.9
C09A	Grapevine Rang baz=266,SNR=12	93.34	42	eP	P	03 55 10.4 +0.4
E09A	Chrisman Ranch comp=Z,29nm,1.0s	93.35	44	eP	P	03 55 10.8 +0.8
RRX	Wood Farm, comp=Z,73nm,1.0s	93.47	55	P	P	03 55 11.8 +0.9
BBAR	Edison Barstow baz=266	93.49	56	P	P	03 55 12.0 +0.7
BBR	Big Bear Solar baz=266	93.60	58	eP	P	03 55 12.0 +0.7
BMN	Barrett comp=Z,66nm,1.6s	93.64	50	eP	P	03 55 12.6 +0.8
GSC	Battle Mountai comp=Z,59nm,1.3s	93.65	55	eP	P	03 55 12.4 +0.5
GSC	Goldstone, Ba comp=Z,35nm,1.2s	93.65	55	eP	P	03 55 12.4 +0.5
FURC	Goldstone, Ba baz=266,SNR=17	93.65	55	P	P	03 55 12.5 +0.7
M0N2P	Furnace Creek, baz=267,SNR=20	93.82	57	P	P	03 55 13.1 +1.3
BMO	Monument Peak baz=267,SNR=11	93.83	45	eP	P	03 55 14.2 +1.4
BMO	Blue Mountains comp=Z,105nm,1.4s	93.83	45	eP	P	03 55 12.2 -0.3
BMO	Blue Mountains comp=Z,105nm,1.4s	93.83	45	eP	Pmax	03 55 12.2 -0.3
PFO	comp=Z,105nm,1.4s	93.84	57	P	P	03 55 13.6 +0.8
PFO	Pinyon Flats O comp=Z,15nm,0.9s,baz=294,slow=3.0,SNR=15	93.84	57	eP	P	03 55 13.1 +0.3
PFO	Pinyon Flats O comp=Z,29nm,1.1s	93.84	57	eP	P	03 55 13.1 +0.3
PFO	Pinyon Flats O comp=Z,29nm,1.1s	93.84	57	eP	Pmax	03 55 13.1 +0.3
PFO	Pinyon Flats O comp=Z,29nm,1.1s	93.84	57	eP	Pmax	03 55 13.1 +0.3
F10A	comp=Z,29nm,1.1s	93.84	57	P	P	03 55 13.6 +0.8
IKP	Binyon Flats O baz=267,SNR=9.4	93.95	44	eP	P	03 55 13.0 0.0
SHOC	Beach Ranch, E comp=Z,54nm,0.9s	94.07	58	P	P	03 55 15.3 +1.4
NEW	In-Ko-Pah, Jac baz=267,SNR=6.0	94.12	54	P	P	03 55 14.7 +0.8
NEW	Shoshone, C baz=267,SNR=19	94.14	42	P	P	03 55 13.6 -0.1
NEW	Newport comp=Z,20nm,0.9s,baz=256,slow=3.4,SNR=27	94.14	42	eP	P	03 55 14.1 +0.4
NEW	Newport comp=Z,22nm,1.1s	94.14	42	eP	P	03 55 14.1 +0.4
NEW	Newport comp=Z,22nm,1.1s	94.14	42	eP	Pmax	03 55 14.1 +0.4
NEW	Newport comp=Z,22nm,1.1s	94.14	42	eP	Pmax	03 55 13.9 +0.1
BELC	comp=Z,22nm,1.1s	94.24	56	P	P	03 55 15.7 +1.1
SWSC	Belle Mtn, Jos baz=267,SNR=18	94.35	57	P	P	03 55 16.3 +1.4
TUQ	Sam W. Stewart baz=267,SNR=5	94.38	55	P	P	03 55 16.2 +1.0
GM3C	Turquoise Moun baz=267,SNR=20	94.56	56	P	P	03 55 17.1 +1.0
BR11A	Granite Mount baz=267,SNR=26	94.68	57	P	P	03 55 18.0 +1.3
R11A	Big Chuckwalla baz=267,SNR=20	94.79	52	eP	P	03 55 17.7 +0.6
IRM	Troy Canyon, C comp=Z,33nm,1.1s	94.79	52	P	P	03 55 17.7 +0.6
LDFC	Troy Canyon, C baz=268,SNR=54	94.96	56	P	P	03 55 19.0 +1.2
SHPR	Iron Mountain baz=267,SNR=32	95.03	55	eP	P	03 55 18.4 +0.2
ELK	Landfair comp=Z,108nm,1.1s	95.05	54	eP	P	03 55 18.8 +0.4
ELK	Sheep Rang comp=Z,39nm,1.1s	95.16	50	P	P	03 55 19.4 +0.5
ELK	Elko comp=Z,9.0nm,1.0s,baz=289,slow=5.5,SNR=25	95.16	50	eP	P	03 55 19.1 +0.2
ELK	Elko comp=Z,21nm,1.1s	95.16	50	eP	P	03 55 19.1 +0.2
ELK	Elko comp=Z,21nm,1.1s	95.16	50	eP	Pmax	03 55 19.1 +0.2
GLA	comp=Z,21nm,1.1s	95.17	57	eP	P	03 55 20.1 +1.3
GLA	Glamis comp=Z,111nm,1.8s	95.17	57	eP	P	03 55 20.1 +1.3
GLA	Glamis comp=Z,111nm,1.8s	95.17	57	eP	Pmax	03 55 20.1 +1.3
GLA	Glamis comp=Z,111nm,1.8s	95.17	57	eP	Pmax	03 55 20.1 +1.3
WSAR	Wadi Sarin comp=Z,102nm,1.8s,baz=102,slow=40	95.26	293	LR	LR	04 46 19.6
ABKAR	Abkarak array comp=Z,17nm,1.9s	95.27	319	eP	P	03 55 18.2 -0.5
NEE2	Needles Airpor baz=268	95.42	56	P	P	03 55 20.9 +1.1
Y12C	Blythe comp=Z,74nm,1.8s	95.45	57	eP	P	03 55 20.6 +0.6
Y12C	Blythe baz=268	95.45	57	P	P	03 55 21.3 +1.3
PDMCI	Parker Dam,Lak baz=268,SNR=6.3	95.79	56	P	P	03 55 22.9 +1.3
HLID	Hailey comp=Z,20nm,1.0s	95.86	47	eP	P	03 55 22.3 +0.4

HLID	Hailey baz=269	95.86	47	P	P	03 55 22.1 +0.3
YKWS	Yellowknife Ar comp=Z,19nm,1.0s	95.88	28	eP	P	03 55 21.3 0.0
YKA	Yellowknife Ar comp=Z,9.1nm,0.8s,baz=271,slow=4.8,SNR=116	95.89	28	eP	P	03 55 21.1 -0.2
YKA	comp=Z,0.5nm,0.7s,baz=280,slow=1.6,SNR=4.2	95.89	28	eP	PKKp	04 00 00.0 0.0
YKA	comp=Z,1.5nm,0.7s,baz=87,slow=2.9,SNR=59	95.89	28	eP	PKKp	04 12 08.7 -3.9
YKBS	comp=Z,90nm,21.9s,baz=286,slow=32	95.89	28	eP	P	03 55 20.4 -0.8
W13A	Yellowknife Ar comp=Z,27nm,1.1s	96.03	56	eP	P	03 55 23.2 +0.3
PSUT	Pine Spring comp=Z,27nm,1.1s	96.15	52	eP	P	03 55 24.1 +0.7
ARU	Arti comp=Z,27nm,1.1s	96.19	326	eP	P	03 55 22.1 -0.7
ARU	Arti comp=Z,7.8nm,0.8s	96.19	326	eP	P	03 55 23.2 +0.4
ARU	Arti	96.19	326	eP	PKKp	03 59 14.7
ARU	Arti	96.19	326	eP	PKKp	04 05 52.5 -0.7
ARU	comp=Z,5.0nm,0.9s			S	PKKp	
ARU	comp=Z,5.0nm,0.9s			S	PKKp	
ARU	comp=Z,5.0nm,0.9s			S	PKKp	
MSO	Missoula comp=Z,11m,22.0s	96.25	44	P	P	03 55 22.8 -0.6
WALA	Waterton Lakes comp=Z,57nm,1.0s	96.29	41	P	P	03 55 24.4 +0.8
GEYT	Alibek comp=Z,513nm,21.0s,baz=145,slow=36	96.30	307	LR	LR	04 39 34.4
CCUT	Cedar City comp=Z,25nm,1.0s	96.52	53	eP	P	03 55 25.8 +0.7
AKTO	Aktubinsk comp=Z,383nm,19.7s,baz=81,slow=37	96.53	320	LR	LR	04 41 23.9
LCMT	Lake Creek M comp=Z,77m,1.1s	96.61	53	eP	P	03 55 25.7 +0.3
Y14A	Wickenburg comp=Z,17nm,1.4s	96.72	57	eP	P	03 55 26.1 +0.2
SZCU	Shurtz Canyon comp=Z,17nm,1.4s	96.74	53	eP	P	03 55 26.3 +0.2
214A	Organ Pipe Nat baz=268	96.83	59	P	P	03 55 27.9 +1.5
BGU	Big Grassy M comp=Z,7.4nm,0.9s	96.84	50	eP	P	03 55 27.3 +0.9
KNB	Kanab comp=Z,53nm,1.1s	96.94	53	eP	P	03 55 27.4 +0.4
KNB	Kanab comp=Z,53nm,1.1s	96.94	53	eP	P	03 55 27.4 +0.4
KNB	Kanab comp=Z,53nm,1.1s	96.94	53	eP	Pmax	03 55 27.4 +0.4
DUG	Dugway, Tooele comp=Z,53nm,1.1s	97.00	50	eP	P	03 55 27.6 +0.5
DUG	Dugway, Tooele comp=Z,6.8nm,0.9s	97.00	50	eP	P	03 55 27.6 +0.5
DUG	Dugway, Tooele comp=Z,6.8nm,0.9s	97.00	50	eP	Pmax	03 55 27.6 +0.5
DUG	Dugway, Tooele comp=Z,6.8nm,0.9s	97.00	50	eP	P	03 55 27.4 +0.3
MCMT	McKenzie Canyo comp=Z,77m,1.1s	97.00	46	eP	P	03 55 27.7 +0.6
HVU	Hanse Valley comp=Z,22nm,0.9s	97.04	49	eP	P	03 55 28.0 +0.7
HVU	Hanse Valley comp=Z,22nm,0.9s	97.04	49	eP	P	03 55 28.0 +0.7
HVU	Hanse Valley comp=Z,22nm,0.9s	97.04	49	eP	Pmax	03 55 28.0 +0.7
DLMT	comp=Z,26nm,0.9s	97.18	45	eP	P	03 55 28.3 +0.4
LRM	Limekiln Ridge comp=Z,12nm,0.9s	97.28	45	eP	P	03 55 29.1 +0.7
SPUT	South Promonto comp=Z,17nm,1.1s	97.28	49	eP	P	03 55 29.2 +0.7
U15A	North Rim comp=Z,26nm,1.0s	97.36	54	eP	P	03 55 29.6 +0.5
MTPU	Mount Pierson comp=Z,27nm,1.1s	97.46	52	eP	P	03 55 30.3 +0.7
MSU	Marviale comp=Z,47nm,1.1s	97.47	52	eP	P	03 55 29.7 +0.3
MSU	Marviale comp=Z,47nm,1.1s	97.47	52	eP	P	03 55 29.7 +0.3
NLU	North Lily Min comp=Z,13nm,1.0s	97.56	50	eP	P	03 55 30.6 +0.8
HRY	Holter Resear comp=Z,77m,1.1s	97.70	44	eP	P	03 55 31.1 +1.0
CTU	Camp Tracy comp=Z,9.2nm,0.8s	9				



20d 3h

Table with columns: ID, Name, Value, Count, Status, and other metrics. Includes entries like 474A Woolly Knot Far, WCI Wyandotte Cave, 4K8A Perry, etc.

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Table with columns: ID, Name, Value, Count, Status, and other metrics. Includes entries like 152A Waverly Hall, 152A Waverly Hall, V52A Sevierville, etc.

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Table with columns: ID, Name, Value, Count, Status, and other metrics. Includes entries like BLA Blacksburg, KRUC Moravsky, PVCC PVCC, etc.



20d 4h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AKASG Malin Array B, ARKB Malin Array Si, ARAD ARCESS Array S, etc.

IDC 20 03:56:18.9:10.0,26:18S:179.49W, h470km, 57km, mb2.9/3, mb1 3.1/5, mb1mx2.8/48, mbtmp3.9/5, Error ellipse: s-maj=169.9km s-min=40.0km az=70.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, DZM Mont Dzumac, STKA Stephens Creek, etc.

IDC 20 04:07:36.0:1.3,30:17N:102.53E, h0km, mb3.3/4, mb1 3.5/5, mb1mx3.2/40, mbtmp3.3/5, ML3.4/1, MS3.7/1, Ms1 3.7/1, ms1mx2.8/27, Error ellipse: s-maj=72.6km s-min=22.5km az=66.0, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SONM Songino Array, MKAR Makanchi Array, WSAR Wadi Sarin, etc.

KRSC 20 04:09:00.4:10.0,49:66N:157.64E, h51km, 10km, ML3.8, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, etc.

IDC 20 04:12:43.6:2.0,18:24N:100.69E, h0km, mb3.3/2, mb1 3.6/2, mb1mx3.1/37, mbtmp3.3/2, Error ellipse: s-maj=47.5km s-min=21.1km az=22.0, Thailand

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

TIF 20 04:15:44.0,43:19N:44:52E, h4km, 1km DRS 20 04:15:44.3:0.0,43:07N:44:24E, h16km, ML2.8/2 NORS 20 04:15:45.1:0.0,43:07N:44:42E, h16km, MPV4.2 MOS 20 04:15:46.2:0.7,43:09N:44:41E, h12km, mb3.9/1, Error ellipse: s-maj=7.9km s-min=5.7km az=42.5 ISCJB 20 04:15:48.7:0.3,43:06N:0:02:44:34E:0.02, h33km, Error ellipse: s-maj=3.3km s-min=2.4km az=15.7 DDA 20 04:16:00.7,41:89N:43:99E, h7km, 1km, ML2.6 ISD 20 04:15:46.3:0.8,43:10N:0:02:44:44E:0.01, h12km, 6km, n67, r129/124, 13C-4D, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ARNR Ardon, VLKR Vladikavkaz, WRA Warramunga Arr, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZEI Tsey, GUDG Gudaury, DIGR Digorskoje uzhe, etc.

IDC 20 04:20:00.9:6.9,25:50N:107:04E, h0km, mb3.3/3, mb1 3.6/3, mb1mx3.2/49, mbtmp3.3/3, Error ellipse: s-maj=393.6km s-min=38.4km az=78.0, Southeastern China

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEY Neytrino, SEAG Tbilisi Sea, PYA1 Pyatigorsk, etc.

IDC 20 04:27:06.8:1.0,36:45N:109:07E, h188km, n29, r192/35, mb3.4/3, 8C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TBLG Delisi, DBC Dubki, BEYR Belyug Ugot+, etc.

IDC 20 04:27:06.8:1.0,36:45N:109:07E, h188km, n29, r192/35, mb3.4/3, 8C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DBC Dubki, BEYR Belyug Ugot+, KIV0 Kislovodsk Arr, etc.

IDC 20 04:27:06.8:1.0,36:45N:109:07E, h188km, n29, r192/35, mb3.4/3, 8C-2D, Hindu Kush region

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

IDC 20 04:27:06.8:1.0,36:45N:109:07E, h188km, n29, r192/35, mb3.4/3, 8C-2D, Hindu Kush region

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AML Ulmayashu, UCH Uchtor, KZA Kyzart, etc.

NIED 20 04:36:00.24:70N:122:40E, h140km, Mw4.7 Best double couple: Mo1.39000x10^16 Np1.915x10^00000, delta.000000, -179.000000, NP2.915x10.000000, delta.000000, -52.000000

IDC 20 04:36:27.6:2.0,24:85N:122:44E, h113km, 18km, mb3.9/22, mb1 4.0/25, mb1mx3.8/63, mbtmp4.3/25, Error ellipse: s-maj=14.4km s-min=9.9km az=76.0

ISCJB 20 04:36:28.3:0.1,24:80N:0:01:122:42E:0.01, h120km, 1km, mb4.2/45, Error ellipse: s-maj=2.5km s-min=2.0km az=153.9

BUI 20 04:36:28.5:24:79N:122:43E, h120km, mb4.5/27, mb4.7/12 NEIC 20 04:36:29.1:0.2,24:82N:122:40E, h125km, 2km, mb4.4/27, Error ellipse: s-maj=4.4km s-min=3.3km az=98.0

NEIC 20 04:36:29.1:0.2,24:82N:122:40E, h125km, 2km, mb4.4/27, Error ellipse: s-maj=4.4km s-min=3.3km az=98.0

NEIC 20 04:36:29.1:0.2,24:82N:122:40E, h125km, 2km, mb4.4/27, Error ellipse: s-maj=4.4km s-min=3.3km az=98.0

JMA 20 04:36:29.3:0.1,24:75N:122:41E, h122km, 2km, M4.1 TAP 20 04:36:29.7:24:78N:122:44E, h119km, ML5.0, B

ISC 20 04:36:29.0:0.5,24:79N:0:03:122:44E:0.02, h126km, 4km, n23.1, r190/363, mb3.4/3, 45, 58C-11D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EOS1 EOS1, TWB1 Santiao Chiao, EGS Santiao Chiao, etc.

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NDT	Datong Townshi	0.87 257	eP	Pn	04 36 51.2	+0.7
NDT			eS	Sn	04 37 06.1	-0.5
YM08	YM08	0.87 297	P	Pn	04 36 50.4	-0.1
YM08			S	Sn	04 37 05.1	-1.6
YM11	YM11	0.87 295	↑P	Pn	04 36 50.7	+0.2
YM11			S	Sn	04 37 05.9	-0.9
YM05	YM05	0.88 295	P	Pn	04 36 50.9	+0.3
YM05			eS	Sn	04 37 06.0	-0.9
YM10	YM10	0.88 294	P	Pn	04 36 50.9	+0.3
YM10			S	Sn	04 37 06.1	-0.8
TAP	Taipei	0.88 286	eP	Pn	04 36 50.4	-0.1
TAP			eS	Sn	04 37 05.3	-1.5
TATO	Taipei	0.89 282	ePn	Pn	04 36 50.5	0.0
TATO			eSn	Sn	04 37 05.5	-1.3
TATO	Taipei	0.89 282	↑P	Pn	04 36 50.5	0.0
TATO			S	Sn	04 37 05.1	-1.7
YM04	YM04	0.90 294	P	Pn	04 36 50.8	+0.1
YM04			S	Sn	04 37 06.0	-1.0
PCYT	Pengchayiu	0.90 338	↓P	Pn	04 36 51.8	+1.1
TWY	Chenhua	0.90 302	P	Pn	04 36 51.3	+0.6
TWY			S	Sn	04 37 06.8	-0.3
YM03	YM03	0.90 295	eP	Pn	04 36 51.0	+0.2
YM03			eS	Sn	04 37 06.4	-0.9
ANP	Anpu	0.92 295	eP	Pn	04 36 51.1	0.0
NTST	Danshui	0.97 292	eP	Pn	04 36 51.6	+0.2
NTST			eS	Sn	04 37 07.9	-0.4
YHNB	Yeheng	0.98 263	ePn	Pn	04 36 51.5	0.0
YHNB			↑P	Pn	04 36 51.9	+0.4
YHNB			S	Sn	04 37 07.5	-1.0
TWS1	Kuangyinsshan	0.98 288	eP	Pn	04 36 51.8	+0.3
TWS1			eS	Sn	04 37 07.8	-0.6
NACB	Ninganchiao	0.99 232	ePn	Pn	04 36 51.1	-0.5
NACB			↑P	Pn	04 36 51.3	-0.3
NACB			S	Sn	04 37 07.3	-1.2
NSK	Sanguang	0.99 263	↑P	Pn	04 36 52.0	+0.4
NSK			S	Sn	04 37 07.8	-0.9
NNSB	Datong	1.03 250	↑P	Pn	04 36 52.5	+0.5
NNSB			S	Sn	04 37 08.7	-0.7
NNS	Nan Shan	1.03 250	↑P	Pn	04 36 52.6	+0.5
NNS			eS	Sn	04 37 09.1	-0.4
TWD	Chiawan	1.05 227	↑P	Pn	04 36 52.0	-0.2
TWD			S	Sn	04 37 08.2	-1.4
ETLH	Xiulin Townshi	1.05 236	↑P	Pn	04 36 52.4	+0.1
ETLH			S	Sn	04 37 09.0	-0.8
WLTB	Daxi	1.08 273	P	Pn	04 36 53.2	+0.7
WLTB			S	Sn	04 37 10.6	+0.5
HWA	Hwalian	1.11 223	eP	Pn	04 36 52.9	+0.1
HWA			eS	Sn	04 37 10.9	+0.2
NCU	National Centr	1.15 279	eP	Pn	04 36 53.7	+0.6
NCU			S	Sn	04 37 11.7	+0.3
NCUH	Zhongli	1.16 279	eP	Pn	04 36 53.8	+0.6
NCUH			eS	Sn	04 37 11.7	+0.3
ENLB	Shoufeng	1.17 221	↑P	Pn	04 36 53.1	-0.3
ENLB			S	Sn	04 37 10.9	-0.8
WHF	Hehuan Shan	1.25 239	↑P	Pn	04 36 55.0	+0.3
WHF			eS	Sn	04 37 12.9	-1.1
IRIF	Iriomote-Funau	1.26 111	P	Pn	04 36 54.4	+0.1
IRIF			S	Sn	04 37 13.1	-0.2
TWT	Tachien	1.27 245	P	Pn	04 36 55.8	+1.1
TWT			S	Sn	04 37 13.6	-0.3
TDCB	Techi	1.29 246	↑P	Pn	04 36 55.6	+0.9
TDCB			S	Sn	04 37 14.0	-0.1
NSTT	Nanjiang	1.32 263	↑P	Pn	04 36 55.2	+0.3
NSTT			S	Sn	04 37 13.8	-0.8
SBCB	Hsinchu	1.32 270	↑P	Pn	04 36 55.5	+0.6
SBCB			S	Sn	04 37 14.2	-0.4
HSN	Hsinchu	1.34 271	eP	Pn	04 36 55.2	0.0
HSN			S	Sn	04 37 13.6	-1.2
ESL	Shilin	1.34 224	↑P	Pn	04 36 54.6	-0.6
ESL			eS	Sn	04 37 12.1	-2.9
CHGB	Renai	1.37 238	↑P	Pn	04 36 56.4	+0.7
CHGB			S	Sn	04 37 14.7	-1.2
OWD	Renai	1.43 234	↑P	Pn	04 36 56.5	+0.3
OWD			S	Sn	04 37 15.9	-0.9
HATJ	Hateruma jima	1.44 120	P	Pn	04 36 56.9	+0.6
HATJ			eP	Sn	04 37 17.6	+0.7
EGFH	Guangfu	1.45 220	eP	Pn	04 36 55.9	-0.6
EGFH			eS	Sn	04 37 15.9	-1.3
WHP	Taichung City	1.46 250	P	Pn	04 36 57.7	+1.2
WHP			eS	Sn	04 37 17.2	-0.1
NMLH	Miaoil	1.52 261	eP	Pn	04 36 57.9	+0.7
NMLH			eS	Sn	04 37 18.0	-0.6
JKRS	Kuro-shima	1.53 111	P	Pn	04 36 58.0	+0.7
JKRS			S	Sn	04 37 18.8	+0.1
NSY	Sanyi	1.57 257	eP	Pn	04 36 58.5	+0.7
NSY			eS	Sn	04 37 19.5	-0.2
VWDT	VWDT	1.57 229	↑P	Pn	04 36 58.3	+0.5
VWDT			eS	Sn	04 37 18.6	-1.0
TWQ1	Liyutan	1.58 254	P	Pn	04 36 58.5	+0.6

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TWQ1	baz=254	eS	Sn	04 37 18.8	-1.0	
HGSD	Ruisui	1.59 216	↑P	Pn	04 36 58.0	-0.1
HGSD			S	Sn	04 37 19.3	-0.8
JIJ	Ishigaji jima	1.61 105	P	Pn	04 36 58.4	+0.2
JIJ			S	Sn	04 37 19.9	-0.4
EHY	Hungye	1.64 219	eP	Pn	04 36 57.8	-0.8
SMLT	Sun Moon Lake	1.67 237	↑P	Pn	04 37 00.2	+1.2
SMLT			eS	Sn	04 37 22.7	+0.8
SSLB	Suanglung	1.69 234	ePn	Pn	04 36 59.7	+0.5
SSLB			↑P	Pn	04 36 59.7	+0.5
SSLB			S	Sn	04 37 22.6	+0.5
TYC	Yuchr	1.69 239	↑P	Pn	04 37 00.3	+1.1
TYC			eS	Sn	04 37 22.6	+0.5
WDJ	Dajia District	1.70 255	P	Pn	04 37 00.4	+1.1
WDJ			S	Sn	04 37 22.2	0.0
JISG	Ishigakijimahi	1.71 97	P	Pn	04 36 59.7	+0.3
JISG			eP	Sn	04 37 22.5	0.0
TCU	Taichung	1.73 249	↑P	Pn	04 37 00.5	+0.9
TCU			eS	Sn	04 37 22.9	0.0
YULB	Yu-ii	1.74 217	ePn	Pn	04 36 59.0	-0.8
YULB			↑P	Pn	1.74 217	↑P
TWF1	Yuli	1.78 216	↑P	Pn	04 36 59.4	-0.8
TWF1			eS	Sn	04 37 20.7	-3.2
WHYT	Xim Township	1.82 233	↑P	Pn	04 37 02.2	+1.4
WHYT			eS	Sn	04 37 26.3	+1.5
WJS	Zhushan	1.84 239	↑P	Pn	04 37 02.2	+1.2
WJS			eS	Sn	04 37 26.7	+1.5
WNT	Mingjian	1.84 241	↑P	Pn	04 37 02.0	+1.0
WNT			eS	Sn	04 37 26.0	+0.7
WCHH	Zhanghua	1.86 248	eP	Pn	04 37 01.9	+0.7
WCHH			eS	Sn	04 37 25.5	-0.1
FULB	Fuli	1.90 214	↑P	Pn	04 37 01.9	+0.1
FULB			eS	Sn	04 37 25.8	-0.9
CHKT	Chengkung	1.95 210	P	Pn	04 37 01.9	-0.5
CHKT			eS	Sn	04 37 25.5	-2.2
ALS	Alishan	1.97 230	↑P	Pn	04 37 04.1	+1.3
ALS			S	Sn	04 37 29.4	+0.9
CHNS	Tsauling	2.00 234	i P	Pn	04 37 04.0	+0.9
CHNS			S	Sn	04 37 29.3	+0.3
WGK	Gukeng	2.04 238	eP	Pn	04 37 03.9	+0.5
WDLH	Douliu	2.06 238	eP	Pn	04 37 04.2	+0.6
JTJ	Tarama	2.06 94	P	Pn	04 37 04.3	+0.7
JTJ			eS	Sn	04 37 30.9	+0.9
ELDTW	Lidau	2.06 219	↑P	Pn	04 37 03.5	-0.3
ELDTW			S	Sn	04 37 29.4	-0.8
RLNB	Erin	2.10 245	↑P	Pn	04 37 04.8	+0.7
RLNB			eS	Sn	04 37 31.0	+0.1
WTCT	Ta-ch'eng	2.18 245	eP	Pn	04 37 05.5	+0.4
WTCT			eS	Sn	04 37 32.0	-0.6
CHN4	Tsuehan	2.22 230	↑P	Pn	04 37 06.7	+1.1
CHN4			eS	Sn	04 37 33.2	-0.3
TPUB	Ta-pu	2.23 228	ePn	Pn	04 37 06.3	+0.5
TPUB			↑P	Pn	04 37 06.6	+0.9
TPUB			S	Sn	04 37 33.4	-0.4
STYT	Tauan	2.24 224	↑P	Pn	04 37 07.0	+1.0
STYT			eS	Sn	04 37 34.6	+0.5
CHY	Chiayi	2.25 235	eP	Pn	04 37 06.7	+0.7
CHY			eS	Sn	04 37 34.5	+0.3
WTP	Ta-pu	2.27 228	↑P	Pn	04 37 07.2	+0.8
WTP			eS	Sn	04 37 34.3	-0.6
TWGBT	Beinan	2.33 213	↑P	Pn	04 37 06.1	-0.9
TWGBT			eS	Sn	04 37 33.5	-2.6
TWG	Pinlang	2.33 213	ePn	Pn	04 37 05.7	-1.4
TWG			↑P	Pn	04 37 06.0	-1.1
TWG			eS	Sn	04 37 34.1	-2.0
WSF	Szhu	2.33 241	P	Pn	04 37 07.5	+0.5
WSF			S	Sn	04 37 36.1	0.0
TWK	Hsinying	2.35 230	↑P	Pn	04 37 08.0	+0.7
TWK			S	Sn	04 37 36.1	-0.4
TTN	Taitung	2.35 211	P	Pn	04 37 07.4	+0.1
TTN			eP	Sn	04 37 36.2	-0.3
WLBG	Puzi	2.35 237	eP	Pn	04 37 07.9	+0.6
WLBG			eS	Sn	04 37 37.1	+0.5
SNST	Tainan City	2.37 229	eP	Pn	04 37 08.3	+0.8
SNST			eS	Sn	04 37 36.1	-0.9
CHN1	Nansi	2.37 228	↑P	Pn	04 37 08.3	+0.7
CHN1			eS	Sn	04 37 37.2	+0.1
SLGT	Litugui	2.43 223	eP	Pn	04 37 09.6	+1.2
SLGT			eS	Sn	04 37 38.7	+0.3
JIRB	Irabujima	2.48 89	P	Pn	04 37 10.1	+1.2
JIRB			↑P	Pn	04 37 38.8	+1.0
PTTC	Pingtang	2.52 287	↓P	Pn	04 37 09.4	0.0
PTTC			eS	Sn	04 37 38.8	-1.6
JIKM	Ikemajima	2.55 87	P	Pn	04 37 09.8	0.0
JIKM			eS	Sn	04 37 40.8	-0.3
CHN3	Shinhua	2.56 228	eP	Pn	04 37 10.8	+0.9
ECL	Tainai	2.58 212	eP	Pn	04 37 08.9	-1.3
ECL			eS	Sn	04 37 38.6	-3.1
JMJ	Miyako jima 2	2.59 89	P	Pn	04 37 12.1	+1.8
JMJ			S	Sn	04 37 42.0	0.0
SCLT	Jiali	2.61 232	P	Pn	04 37 11.4	+0.8

20d 4h

SCLT	baz=239	eS	Sn	04 37 42.3	-0.2	
SSD	Sandimen	2.63 219	↑P	Pn	04 37 11.9	+1.1
SSD			eS	Sn	04 37 43.2	+0.8
MATB	Ma-tsu	2.63 301	↑P	Pn	04 37 10.7	-0.1
MATB			eP	Pn	04 37 12.0	+0.6
TAI1	Yung-k'ang	2.67 230	eP	Pn	04 37 44.5	+0.6
TAI1			eS	Sn	04 37 44.5	+0.6
JOGS	Gosukube	2.69 90	P	Pn	04 37 13.5	+1.9
JOGS			eS	Sn	04 37 45.4	+1.0
TWMT	Shoushan	2.70 224	eP	Pn	04 37 12.8	+1.1
VWUC	VWUC	2.73 275	↓P	Pn	04 37 11.9	-0.1
VWUC			eP	Pn	04 37 12.8	+0.8
SGLT	Jiouru	2.73 221	eP	Pn	04 37 13.2	+1.0
MASBT	Mashibuluo	2.73 218	↑P	Pn	04 37 43.9	-1.4
MASBT			eS	Sn	04 37 14.5	+1.5
SNJT	Kaohsiung City	2.80 224	eP	Pn	04 37 12.4	-0.8
EAST	Anshuo	2.81 212	↑P	Pn	04 37 12.5	-0.7
EAST			eS	Sn	0	



Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like MORW, BBOO, ANAZ, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like SKNT, PATY, LHMI, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like PBA, ENH, ENH, etc.







20d 4h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MAK Makhachkala, RSO Redoubt South, PPLA Purkeypile, etc.

2013 APR

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HARP HAARP, BCA Borcka, SVAN Silvan-Diyarba, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like INK comp=Z,5.4nm,0.6s, etc.



20d 4h

Table with columns for station ID, name, frequency, power, and status. Includes stations like Cerro Castillo, Black Hills, Idaho Springs, and many others.

2013 APR

Table with columns for station ID, name, frequency, power, and status. Includes stations like Braganca, Three Lakes, Norwalk, and many others.

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Table with columns for station ID, name, frequency, power, and status. Includes stations like Iron Bridge, Stutzman Famil, and many others.

G53A	Haliburton	133.88	28	P	PKIKP	05 10 18.0 +0.5
I52A	Shelburne	133.90	30	P	PKIKP	05 10 18.0 +0.3
SADO	Sadowna	133.90	29	PKHkP	PKPPrp	05 10 06.8
SADO	comp-Z, 6.5nm, 0.5s, baz=288, slow=2.9, SNR=6.4					
SADO	PKP				PKIKP	05 10 17.3 -0.2
SADO	comp-Z, 2.6nm, 0.7s, baz=283, slow=1.7, SNR=12				SKPbc	05 13 33.9 -1.2
R47A	Wooly Knot Far	133.93	41	P	PKIKP	05 10 18.0 +0.1
P48A	Milroy	133.96	39	P	PKIKP	05 10 18.0 +0.1
Q48A	North Vernon	134.08	40	P	PKIKP	05 10 18.5 +0.4
PEMO	Pembroke	134.09	27	P	PKIKP	05 10 18.0 +0.1
VBMS	Vicksburg	134.11	50	P	PKIKP	05 10 18.5 +0.1
WCI	Wyandotte Cave	134.12	41	ePKPdf	PKPpdf	05 10 17.2 +0.4
WCI	Wyandotte Cave	134.12	41	P	PKP	05 10 18.5 +0.3
K51A	Iona Station	134.15	33	P	PKIKP	05 10 18.2 +0.1
M50A	Fremont	134.18	35	P	PKIKP	05 10 18.4 +0.2
O49A	Covington	134.19	37	ePKPdf	PKPpdf	05 10 17.6 +0.6
O49A	Covington	134.19	37	P	PKIKP	05 10 18.5 +0.2
V64	Holladay	134.19	45	P	PKIKP	05 10 18.5 +0.1
WVT	Waverly	134.22	44	P	PKIKP	05 10 18.9 +0.5
T47A	Sharon Grove	134.27	43	P	PKIKP	05 10 18.5 -0.1
ACTO	Acton	134.28	31	P	PKIKP	05 10 18.5 +0.1
W46A	Bancroft	134.28	28	P	PKIKP	05 10 19.0 +0.7
BAN0	Michigan	134.35	46	P	PKIKP	05 10 18.6 -0.1
P49A	Miami Univ. Ec	134.35	38	P	PKIKP	05 10 19.0 +0.3
I53A	Knightsbridge Cn E	134.37	30	P	PKIKP	05 10 18.9 +0.4
F55A	Otter Lake	134.37	26	P	PKIKP	05 10 18.5 0.0
U47A	Clarksville	134.43	43	P	PKIKP	05 10 19.0 +0.1
TRQA	Tornquist	134.45	166	ePKPdf	PKPpdf	05 10 17.7 +0.1
TRQA	Tornquist	134.45	166	eP	PKPpdf	05 10 21.9 +2.9
X46A	Booneville	134.48	46	P	PKIKP	05 10 19.0 +0.2
N50A	Nevada	134.52	36	P	PKIKP	05 10 19.2 +0.2
PKRO	Pickering	134.52	30	P	PKIKP	05 10 18.9 +0.1
LAT0	La Tuque	134.55	22	P	PKIKP	05 10 19.2 +0.4
Q49A	Aurora	134.56	39	P	PKIKP	05 10 19.2 +0.2
S48A	Wiedeman Farm,	134.60	41	P	PKIKP	05 10 19.5 +0.3
V47A	Nunnelly	134.60	44	P	PKIKP	05 10 19.4 +0.2
O50A	Cable	134.64	37	P	PKIKP	05 10 19.4 +0.2
G55A	Calabogie	134.66	27	P	PKIKP	05 10 19.5 +0.4
PLVO	Plevna	134.66	27	ePKPdf	PKPpdf	05 10 17.9 +0.2
PLVO	Plevna	134.66	27	P	PKIKP	05 10 19.2 +0.1
DRWO	Darlington Wes	134.76	30	P	PKIKP	05 10 19.6 +0.3
DRCO	St. Marys Ceme	134.77	30	P	PKIKP	05 10 19.6 +0.3
R49A	Shelbyville	134.81	40	P	PKIKP	05 10 19.9 +0.3
W47A	Westpoint	134.84	45	P	PKIKP	05 10 19.9 +0.1
P50A	Jamestown	134.87	38	P	PKIKP	05 10 19.9 +0.2
N51A	Ashland	134.87	35	P	PKIKP	05 10 20.0 +0.3
WLVO	Wesleyville	134.88	29	P	PKIKP	05 10 20.2 +0.6
U48A	Cassie Pea, Po	134.91	43	P	PKIKP	05 10 20.0 +0.1
ACSO	Alum Creek Sta	134.96	36	ePKPdf	PKPpdf	05 10 18.7 +0.3
ACSO	Alum Creek Sta	134.96	36	P	PKIKP	05 10 20.2 +0.4
H55A	Tweed	134.99	28	P	PKIKP	05 10 20.1 +0.3
I55A	Frankford	135.01	28	P	PKIKP	05 10 20.2 +0.4
STCO	Saint Catharin	135.02	31	P	PKIKP	05 10 20.3 +0.4
S49A	Springfield	135.02	41	P	PKIKP	05 10 20.4 +0.3
ORIO	Orleans, Innes	135.03	26	P	PKIKP	05 10 20.1 +0.3
M52A	Chesterland	135.03	34	P	PKIKP	05 10 20.3 +0.3
V48A	Smith Brothers	135.13	44	P	PKIKP	05 10 20.0 +0.3
ALFO	Alfred	135.16	25	P	PKIKP	05 10 20.3 +0.2
Q50A	Georgetown	135.23	39	P	PKIKP	05 10 20.5 +0.1
O51A	Pataaskala	135.24	36	P	PKIKP	05 10 20.7 +0.2
J51A	Applon	135.24	30	P	PKIKP	05 10 20.5 +0.2
KIC	Kosan Boka	135.25	273	eP	PKPPrp	05 10 02.4
T49A	Edmonton	135.25	42	ePKPdf	PKPpdf	05 10 19.6 +0.5
T49A	Edmonton	135.25	42	P	PKIKP	05 10 20.7 +0.1
N52A	McGinn's Farm,	135.34	35	P	PKIKP	05 10 20.9 +0.2
R50A	Paris	135.35	39	P	PKIKP	05 10 20.9 +0.2
DBIC	Dimbokro	135.36	273	PKHkP	PKPPrp	05 10 10.4
DBIC	comp-Z, 2.6nm, 0.7s, baz=85, slow=4.6, SNR=7.8				SKPbc	05 10 20.1 +0.3
DBIC	comp-Z, 3.7nm, 0.7s, baz=85, slow=3.7, SNR=17				SKPbc	05 13 39.0 -1.7
DBIC	Dimbokro	135.38	273	ePKPPrp	PKPPrp	05 10 06.8
DBIC	Dimbokro	135.38	273	ePKPdf	PKPpdf	05 10 19.3 -0.6
DBIC	Dimbokro	135.38	273	SKPbc	SKPbc	05 13 39.0 -1.7
DBIC	Dimbokro	135.38	273	ePKHkP	PKPPrp	05 10 06.8
P51A	Williamsport	135.39	37	ePKPdf	PKPpdf	05 10 19.8 +0.6
P51A	Williamsport	135.39	37	P	PKIKP	05 10 20.9 +0.2
MED0	Medina	135.41	30	P	PKIKP	05 10 21.0 +0.3
U49A	Red Boiling Sp	135.42	42	P	PKIKP	05 10 20.7 -0.2
M53A	Wi Miller and	135.48	33	P	PKIKP	05 10 21.2 +0.3
Q51A	Peebles	135.50	38	ePKPdf	PKPpdf	05 10 20.2 +0.7
Q51A	Peebles	135.50	38	P	PKIKP	05 10 21.1 0.0
LIC	Lamto	135.53	272	eP	PKPPrp	05 10 05.4
TIC0	Toumoudi	135.54	273	eP	PKPPrp	05 10 06.7
PECO	Prince Edward	135.54	28	P	PKIKP	05 10 21.2 +0.3
X48A	Hartselle	135.64	46	P	PKIKP	05 10 21.3 -0.1
L54A	Sinclairville	135.65	32	P	PKIKP	05 10 21.6 +0.4
J55A	Hilton	135.65	29	P	PKIKP	05 10 21.5 +0.3
S50A	Richmond	135.66	40	P	PKIKP	05 10 21.4 +0.1
O52A	Adamsville	135.71	36	P	PKIKP	05 10 21.5 +0.1
T50A	Nancy	135.76	41	P	PKIKP	05 10 22.1 +0.5
N53A	Lisbon	135.82	34	P	PKIKP	05 10 22.1 +0.6
Y48A	Jasper	135.82	46	P	PKIKP	05 10 21.8 0.0

P52A	Corning	135.85	36	P	PKIKP	05 10 22.0 +0.3
K55A	Perry	135.93	30	P	PKIKP	05 10 22.1 +0.3
M54A	Oil Creek Stat	135.98	33	ePKPdf	PKPpdf	05 10 20.9 +0.7
M54A	Oil Creek Stat	135.98	33	P	PKIKP	05 10 22.4 +0.4
O53A	New Philadelphia	135.98	35	P	PKIKP	05 10 22.3 +0.4
MMNV	El-Roble	136.00	30	ePKPdf	PKPpdf	05 10 22.3 +0.4
ROC1	El-Roble	136.05	154	eP	PKPPrp	05 10 18.8 0.0
LONY	Lake Ozonia	136.09	26	ePKPdf	PKPpdf	05 10 21.5 -0.5
LONY	Lake Ozonia	136.09	26	P	PKIKP	05 10 22.4 +0.4
U50A	Jamestown	136.10	42	P	PKIKP	05 10 22.6 +0.3
X49A	Woodville	136.11	45	P	PKIKP	05 10 22.8 +0.4
L55A	Hinsdale	136.14	31	P	PKIKP	05 10 22.7 +0.5
N54A	Moraine State	136.18	33	P	PKIKP	05 10 22.8 +0.5
SS1A	Beattyville	136.20	40	ePKPdf	PKPpdf	05 10 22.1 -0.4
SS1A	Beattyville	136.20	40	P	PKIKP	05 10 22.7 +0.3
Q52A	Bidwell	136.20	37	P	PKIKP	05 10 22.7 +0.3
FRNY	Flat Rock	136.34	25	ePKPdf	PKPpdf	05 10 22.5 0.0
R52A	Cattletown	136.36	38	P	PKIKP	05 10 23.1 +0.3
LRAL	Lakeview Retre	136.38	47	P	PKIKP	05 10 23.3 +0.4
P53A	Whipple	136.38	36	P	PKIKP	05 10 23.1 +0.3
M55A	Ridgway	136.48	32	P	PKIKP	05 10 23.4 +0.4
MOQ	Mont Orford	136.48	23	ePKPdf	PKPpdf	05 10 22.0 +0.9
Z49A	Columbiana	136.64	47	P	PKIKP	05 10 23.9 +0.4
Q53A	Leroy	136.71	37	P	PKIKP	05 10 23.8 +0.3
NCB	Newcomb	136.77	26	ePKPdf	PKPpdf	05 10 22.5 +0.0
Z49A	Camden	136.79	49	P	PKIKP	05 10 24.2 +0.4
BATG	Bathurst New B	136.83	16	ePKPdf	PKPpdf	05 10 22.4 +0.8
P54A	Burton	136.83	35	P	PKIKP	05 10 24.1 +0.3
N55A	Marion Center	136.85	33	P	PKIKP	05 10 24.1 +0.4
AAGR	Agrelo	136.87	156	eP	PKPPrp	05 10 11.7 0.0
TZTN	Tazewell	136.88	41	ePKPdf	PKPpdf	05 10 22.7 +0.7
TZTN	Tazewell	136.88	41	P	PKIKP	05 10 24.4 +0.5
349A	Repton	137.03	50	P	PKIKP	05 10 24.5 +0.2
Q54A	Coxs Mills	137.04	36	P	PKIKP	05 10 24.6 +0.5
Z50A	Ashland	137.05	46	P	PKIKP	05 10 24.6 +0.3
O55A	Ligonier	137.08	34	P	PKIKP	05 10 24.5 +0.3
U52A	Thorn Hill	137.08	41	P	PKIKP	05 10 24.9 +0.5
X51A	Calhoun	137.11	44	P	PKIKP	05 10 25.1 +0.7
MCWV	Mont Chateau	137.15	35	P	PKIKP	05 10 25.0 +0.7
TKL	Tuckaleechee C	137.24	42	PKHkP	PKPPrp	05 10 14.6
TKL	comp-Z, 8.9nm, 0.7s, baz=239, slow=1.6, SNR=13				SKPbc	05 10 23.2 +0.4
TKL	SKPbc				SKPbc	05 13 44.5 -1.3
V52A	Sevierville	137.25	42	ePKPdf	PKPpdf	05 10 23.6 +0.8
V52A	Sevierville	137.25	42	P	PKIKP	05 10 25.0 +0.4
T53A	Wise	137.26	40	P	PKIKP	05 10 25.0 +0.3
P55A	Roadsboro	137.27	35	P	PKIKP	05 10 25.0 +0.4
150A	Eclectic	137.30	47	P	PKIKP	05 10 25.4 +0.5
ASAL	Salagasta	137.30	156	eP	PKPPrp	05 10 12.2
BINY	Binghamton	137.34	29	ePKPdf	PKPpdf	05 10 21.3 -1.4
AUSP	Uppatalla	137.40	155	eP	PKPPrp	05 10 14.2
Z50A	Grady	137.43	48	P	PKIKP	05 10 25.5 +0.4
W52A	Murphy	137.46	43	P	PKIKP	05 10 25.7 +0.5
Q55A	Buckhannon	137.47	36	P	PKIKP	05 10 25.6 +0.5
R54A	Victor	137.47	37	P	PKIKP	05 10 25.5 +0.5
ACCN	Adirondack Com	137.48	26	ePKPdf	PKPpdf	05 10 23.5 +0.6
SSPA	Standing Stone	137.54	32	ePKPdf	PKPpdf	05 10 25.3 +0.2
SSPA	Standing Stone	137.54	32	P	PKIKP	05 10 25.6 +0.5
Z51A	Franklin	137.55	46	P	PKIKP	05 10 25.7 +0.3
PKME	Peaks-Kenny Pk	137.61	20	P	PKIKP	05 10 25.6 +0.6
X52A	Dahlonega	137.76	43	P	PKIKP	05 10 26.2 +0.5
HHH	Hanover	137.80	24	ePKPdf	PKPpdf	05 10 24.0 +0.5
RTL5	Leoncito	137.80	155	eP	PKPPrp	05 10 14.8
151A	Opekika	137.85	47	P	PKIKP	05 10 26.2 +0.2
V53A	Saluda	137.87	41	ePKPdf	PKPpdf	05 10 24.4 +0.4
V53A	Saluda	137.87	41	P	PKIKP	05 10 26.6 +0.6
R55A	Marlinton	137.92	36	P	PKIKP	05 10 26.4 +0.4
Z51A	Midway	138.01	48	P	PKIKP	05 10 26.2 -0.1
S55A	Lewisburg	138.03	37	P	PKIKP	05 10 26.5 +0.2
V52A	Cerro Valdivia	138.05	45	P	PKIKP	05 10 26.6 +0.3
RTVC	Cerro Valdivia	138.06	156	eP	PKPPrp	05 10 15.1
WVL	Waterloo	138.09	21	ePKPdf	PKPpdf	05 10 26.4 +0.3
BG3	Lake Jocassee	138.19	42	ePKPdf	PKPpdf	05 10 25.3 +0.8
X53A	Estes	138.22	43	P	PKIKP	05 10 27.1 +0.5
ACAN	Cantantall	138.23	158	eP	PKPPrp	05 10 09.2
351A	Pinckard	138.26	49	P	PKIKP	05 10 27.4 +0.6
V54A	Monroe	138.37	41	P	PKIKP	05 10 27.4 +0.4
Y53A	Monroe	138.38	44	P	PKIKP	05 10 27.4 +0.4
CFA	Coronel Fontan	138.41	156	PKHkP	PKPPrp	05 10 15.7
CFA	comp-Z, 2.0nm, 0.7s, baz=198, slow=2.8, SNR=26				PKP	05 10 25.7 +0.6
CFA	PKP				PKP	05 10 19.3
CFA	comp-Z, 0.6s, baz=214, slow=4.0, SNR=12					



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BB19B, SACY, SOTA, PCON, etc.

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

NEIC 20 05:05:10.6, 0.0, 16.02N:98.62W, h2km, mb4.6/121, MD4.6(MEX), After MEX.

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

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MEVG, PLANG, PLIG, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LRAL, TUL1, WHAR, etc.



20d 5h

TOC7 TOC7	Torodi Ar. Sit	67.81	1	PFAKE LR	LR	05 23 10.0	+15
TOC1 TOC1	Torodi Ar. Sit	67.81	1	PFAKE LR	LR	05 23 10.0	+14
PTGA PTGA	Pitinga	73.17 294	P	P	P	05 23 27.8	-0.6
PTGA PTGA	Pitinga	73.17 294	eP	P	P	05 23 28.4	0.0
PTGA DGAR	Pitinga Diego Garcia	73.17 294 73.26 79	eP PFAKE	P	P	05 23 28.7 05 23 40.0	+0.3 +11
H08N3 H08N1	Diego Garcia H Diego Garcia H	73.31 77 73.33 77	T T	T	T	06 44 01.5 06 44 06.4	
H08N2 NNA NNA	Diego Garcia H Nana	73.33 77 73.36 273	T PFAKE	T	LR	06 44 05.3 05 23 40.0	+10
H01W2 H01W1	Cape Leeuwin H Cape Leeuwin H	73.78 128 73.79 128	T T	T	T	06 45 36.5 06 45 34.0	
H01W3 ATD ATD	Cape Leeuwin H Arta Tunnel	73.79 128 74.91 42	T PFAKE	T	LR	06 45 34.7 05 23 50.0	+11
NWAO NWAO	Narogin (SRO) Narogin (SRO)	76.83 129 76.83 129	LR PFAKE	LR	LR	05 52 49.5 05 24 00.0	+11
TAM TAM	Tamanrasset	77.47 4	PFAKE	LR	LR	05 24 00.0	+7.0
ATAH TAU TAU	Atahualpa Tasmania Unive	78.17 274 78.39 155	P PFAKE	P	P	05 23 59.3 05 24 10.0	+1.8 +12
MLZ FORT	Mavora Lakes Forrest	79.49 171 83.28 136	eP eP	P	P	05 24 04.5 05 24 24.8	+0.5 +0.6
THZ OTAV	Forrest Otavalo	83.45 174 84.19 279	eP eP	P	P	05 24 25.5 05 24 30.7	+0.5 +1.0
OTAV OTAV	Otavalo	84.19 279	eP	P	P	05 24 30.8	+1.2
ROSC ROSC	El Rosal El Rosal	85.63 285 85.63 285	LR PFAKE	LR	LR	06 01 07.2 05 24 50.0	+13
CAN CAN	Canberra	85.99 154	PFAKE	LR	LR	05 24 50.0	+12
SDV SDV	Santo Domingo	86.94 290	PFAKE	LR	LR	05 24 50.0	+7.1
SDV STKA	Santo Domingo Stephens Creek	86.94 290 87.13 147	eP eP	P	P	05 24 45.3 05 24 43.6	+2.4 +0.1
STKA URZ URZ	Stephens Creek Urewera	87.13 147 87.14 177	eP PFAKE	P	LR	05 24 43.6 05 24 50.0	+0.1 +6.6
PSAD3 PSAD3	Pilbara Seismi	87.61 125	PFAKE	LR	LR	05 25 00.0	+14
PSAC3 PSAC3	Pilbara Seismi	87.65 125	PFAKE	LR	LR	05 25 00.0	+14
PSAA1 PSAA1	Pilbara Seismi	87.69 125	PFAKE	LR	LR	05 25 00.0	+14
PSAB1 PSAB1	Pilbara Seismi	87.69 125	PFAKE	LR	LR	05 25 00.0	+14
PSA00 PSA00	Pilbara Seismi	87.70 125	PFAKE	LR	LR	05 25 00.0	+14
PSAC1 PSAC1	Pilbara Seismi	87.72 125	PFAKE	LR	LR	05 25 00.0	+14
MXZ MXZ	Matakaoa Point	87.87 178	PFAKE	LR	LR	05 25 00.0	+13
MBWA MBWA	Marble Bar	88.00 125	PFAKE	LR	LR	05 25 00.0	+12
RTC RTC	Rabat Centre	88.80 353	PFAKE	LR	LR	05 25 00.0	+9.0
PALK PALK	Pallekele	89.94 77	PFAKE	LR	LR	05 25 10.0	+13
SEUS SEUS	St. Eustatius	90.18 301	PFAKE	LR	LR	05 25 10.0	+12
KEST KEST	Kesra	90.55 7	P	P	P	05 24 58.6	-0.7
KEST KEST	Kesra	90.55 7	eP	P	P	06 02 20.8	
SMRT SMRT	St. Maarten	90.70 301	PFAKE	LR	LR	05 25 10.0	+10
SFS SFS	San Fernando	91.22 354	PFAKE	LR	LR	05 25 10.0	+7.7
ARMA ARMA	Armidale	91.31 155	PFAKE	LR	LR	05 25 10.0	+6.6
ASAR AS31	Alice Springs	91.94 138 91.94 138	P eP	P	P	05 25 05.8 05 25 05.0	-0.5 -1.3
AS01 MTP	Alice Springs Monte Pirata	91.96 138 91.98 299	eP PFAKE	P	LR	05 25 05.2 05 25 20.0	-1.2 +14
PFV1 PFV1	Vila Bisbo	92.07 352	PFAKE	LR	LR	05 25 20.0	+14
CART CART	Cartagena	92.14 358	PFAKE	LR	LR	05 25 20.0	+14
HUMP HUMP	Col San Antoni	92.17 299	PFAKE	LR	LR	05 25 20.0	+13
BCIP BCIP	Isla Barro Col	92.27 283	PFAKE	LR	LR	05 25 20.0	+12
CBYP CBYP	Canovanas	92.28 299	PFAKE	LR	LR	05 25 20.0	+12
SGJ SGJ	San Juan	92.30 299	PFAKE	LR	LR	05 25 20.0	+12
CRPR CRPR	Cabo Rojo, PR	92.70 298	PFAKE	LR	LR	05 25 20.0	+10
CLTB CLTB	Catibellotta	92.70 10	PFAKE	LR	LR	05 25 20.0	+11
MPR MPR	Mayaguez	92.88 298	PFAKE	LR	LR	05 25 20.0	+10
FITZ FITZ	Fitzroy Crossi	93.39 128	LR	LR	LR	06 00 10.7	
ITM ITM	ithomi	93.44 17	PFAKE	LR	LR	05 25 20.0	+7.4

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ITM	comp=Z,1µm,22.0s	93.66	12	PFAKE LR	LR	05 25 20.0	+6.4
CEL CEL	Celeste	93.66	12	PFAKE LR	LR	05 25 20.0	+6.4
PESTR PESTR	Estremoz	93.70 353	PFAKE LR	LR	LR	05 25 20.0	+6.3
PAB PAB	San Pablo	94.20 356	PFAKE LR	LR	LR	05 25 30.0	+14
ESDC ESDC	Sonsecra Army	94.31 356	P	P	P	05 25 17.6	+1.0
ESDC ESDC	Sonsecra Army	94.31 356	eP	P	P	06 02 60.0	
MTE MTE	Manteigas	95.22 353	PFAKE LR	LR	LR	05 25 35.0	+9.3
SDDR SDDR	Presas de Saban	95.67 295	PFAKE LR	LR	LR	05 25 30.0	+6.7
BKNI BKNI	Bangkinang	95.97 98	PFAKE LR	LR	LR	05 25 40.0	+15
JTS JTS	JuntasAbangare	96.08 279	PFAKE LR	LR	LR	05 25 40.0	+15
ESPN ESPN	Las Esperanzas	97.25 281	PFAKE LR	LR	LR	05 25 40.0	+9.4
AQU AQU	L'Aquila	97.45 9	PFAKE LR	LR	LR	05 25 40.0	+9.1
TBI TBI	Tubuai	98.08 207	eSS SS	LR	LR	05 43 44.9	+3.1
TBI TBI	Tubuai	98.08 207	eLQ LQ	LR	LR	05 53 16.3	
BR101 BRTR	Keakin Array S	98.29 25	eP	Pdf	Pdf	05 25 35.8	+1.0
BRTR BRTR	Keakin Array B	98.29 25	eP	Pdf	Pdf	05 25 35.8	+1.0
MTDJ MTDJ	Mount Denham	98.39 290	PFAKE LR	LR	LR	06 12 29.0	
GTBY GTBY	Guantanamo Bay	98.47 292	PFAKE LR	LR	LR	05 25 50.0	+14
SIRT SIRT	Sirnak	98.62 32	PFAKE LR	LR	LR	05 25 50.0	+14
MYKOM MYKOM	Kota Tinggi	98.77 99	PFAKE LR	LR	LR	05 25 50.0	+13
ESTN ESTN	Estel	99.16 280	PFAKE LR	LR	LR	05 25 50.0	+11
ILGA ILGA	Ilgaz	99.56 24	PFAKE LR	LR	LR	05 25 50.0	+9.5
CTAO CTAO	Charters Tower	99.59 147	PFAKE LR	LR	LR	05 25 50.0	+8.9
CSGN CSGN	Cosiguina Volc	99.74 279	PFAKE LR	LR	LR	05 25 50.0	+8.2
KULM KULM	Kulim	99.78 95	PFAKE LR	LR	LR	05 25 50.0	+8.1
SOEI SOEI	Soe	100.01 123	PFAKE LR	LR	LR	05 25 50.0	+6.9
PBA PBA	Port Blair	100.36 85	PFAKE LR	LR	LR	05 26 00.0	+16
TGUH TGUH	Tequigalpa,Un	100.45 279	PFAKE LR	LR	LR	05 26 00.0	+15
MTN MTN	Manton Dam	100.47 131	PFAKE LR	LR	LR	05 26 00.0	+15
TRI TRI	Trieste	100.81 9	PFAKE LR	LR	LR	05 26 00.0	+14
SNOP SNOP	Sinop	100.84 25	PFAKE LR	LR	LR	05 26 00.0	+14
TUE TUE	Stuetta	101.24 6	PFAKE LR	LR	LR	05 26 00.0	+12
GNI GNI	Garni	101.76 33	PFAKE LR	LR	LR	05 26 00.0	+10
KAPI KAPI	Kappang	101.82 117	PFAKE LR	LR	LR	05 26 00.0	+9.0
KSM KSM	Kuching	102.16 105	PFAKE LR	LR	LR	05 26 00.0	+7.5
MLR MLR	Muntele Rosu	102.22 18	PFAKE LR	LR	LR	05 26 00.0	+7.9
DZM DZM	Mont Dzumac	102.31 166	eSS eLQ	SS	SS	05 44 41.2	+0.4
DZM DZM	Mont Dzumac	102.31 166	eLQ eLR	SS	LR	05 54 59.8 05 59 29.3	
BBSR BBSR	BB Station	103.58 307	PFAKE LR	LR	LR	05 26 10.0	+12
PPT2 PPT2	Papeete2	103.60 209	eSS eLQ	SS	SS	05 45 01.0	+2.1
PPT2 PPT2	Papeete2	103.60 209	eLQ eLR	SS	LR	05 55 19.9 06 00 04.8	
SBUM SBUM	Sibu	104.03 106	PFAKE LR	LR	LR	05 26 10.0	+9.2
COEN COEN	Coen	104.27 142	PFAKE LR	LR	LR	05 26 10.0	+8.1
TEIG TEIG	Tepich	105.96 282	PFAKE LR	LR	LR	05 30 30.0	+8.6
CLL CLL	Colim	106.31 8	eSKSac ePS	SKSac PPS	SS	05 36 47.0	-2.2
CLL CLL	Colim	106.31 8	eSKSac ePS	SKSac PPS	SS	05 39 54.0	+1.6
CLL CLL	Colim	106.31 8	e(SS) e(SSS)	SS	SS	05 45 48.0 05 49 12.0	
061Z 061Z	Ochoppi	106.38 292	PFAKE LR	LR	LR	05 52 54.0 05 30 30.0	+8.0
LUWI LUWI	Luwuk	106.75 117	PFAKE LR	LR	LR	05 30 30.0	+6.8
060A 060A	Indiantown	107.03 293	PFAKE LR	LR	LR	05 30 30.0	+6.8
SIMRM SIMRM	Sittwe	107.22 80	PFAKE LR	LR	LR	05 30 40.0	+16
059A 059A	Moore Haven	107.39 292	PFAKE LR	LR	LR	05 30 40.0	+16
NIL NIL	Nilore	107.60 56	PFAKE LR	LR	LR	05 30 40.0	+16
DWPF DWPF	Disney Wildern	108.45 293	PFAKE LR	LR	LR	05 30 40.0	+14
CHTO CHTO	Chiang Mai	109.64 85	PFAKE LR	LR	LR	05 30 40.0	+12
DLV DLV	T Lat	109.67 97	PFAKE LR	LR	LR	05 30 40.0	+11
PMG PMG	Port Moresby	109.88 144	PFAKE LR	LR	LR	05 30 40.0	+11
656A 656A	Willston	110.04 293	PFAKE LR	LR	LR	05 30 40.0	+11

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656A GAR GAR	comp=Z,2µm,22.0s Garm	110.60 51	PFAKE LR	LR	LR	05 30 40.0	+10
555A 555A	McAlpin	110.86 293	PFAKE LR	LR	LR	05 30 40.0	+10
SHL SHL	Shilong	110.94 75	PFAKE LR	LR	LR	05 30 40.0	+9.2
CNNC CNNC	Cliffs of the	112.26 300	PFAKE LR	LR	LR	05 30 40.0	+7.2
V60A V60A	Jim Taylor Roa	112.36 301	PFAKE LR	LR	LR	05 30 40.0	+7.0
Y57A Y57A	Sumter	112.57 297	PFAKE LR	LR	LR	05 30 40.0	+6.6
352A 352A	Blakely	112.97 292	PFAKE LR	LR	LR	05 30 50.0	+16
U59A U59A	Littleton	113.09 301	PFAKE LR	LR	LR	05 30 50.0	+16
T59A T59A	Double "B" Far	113.46 301	PFAKE LR	LR	LR	05 30 50.0	+15
HNR HNR	Honiara	113.48 157	PFAKE LR	LR	LR	05 30 50.0	+14
KSH KSH	Kashi	113.62 55	PKP	PKIKP	PKIKP	05 30 21.3	-14
L5A L5A	Lhasa	113.75 72	LR	LR	LR	05 30 50.0	+14
PAULI PAULI	Pauline	113.93 297	PFAKE LR	LR	LR	05 30 50.0	+14
250A 250A	Grady	114.07 292	PFAKE LR	LR	LR	05 30 50.0	+14
S58A S58A	Poland Farm, P	114.21 301	PFAKE LR	LR	LR	05 30 50.0	+14
T57A T57A	Hurt	114.32 300	PFAKE LR	LR	LR	05 30 50.0	+13
CBN CBN	Corbin Frederi	114.33 302	PFAKE LR	LR	LR	05 30 50.0	+13
SLVN SLVN	Son La	114.48 87	PFAKE LR	LR	LR	05 30 50.0	+12
BCX BCX	Boston College	114.68 309	PFAKE LR	LR	LR	05 30 50.0	+13
PAL PAL	Palisades	114.88 306	PFAKE LR	LR	LR	05 30 50.0	+12

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Table with columns for station ID, name, coordinates, elevation, and status. Includes stations like Chengdu, Lajitas Array, Borovoye Array, etc.

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Table with columns for station ID, name, coordinates, elevation, and status. Includes stations like Casper, Hu-ho-hao-te, Pinedale Array, etc.

20d 5h

Table with columns for station ID, name, coordinates, elevation, and status. Includes stations like Longmire, Inuyama, Enunclaw, etc.

ISCJB 20 05:17:12.6;0.4,45:77N;0.09;150:89E;0.09,h100km, mb3.9/33, Error ellipse: s-maj=15.7km s-min=3.2km az=146.9

Table with columns for Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Kuril'sk, Yuzh-Kuril'sk, etc.

20d 5h

Table with columns: GRPR, eS, Sn, Time, Res, and various station codes like GRPR, Tuman, Golovino, Nemuro, etc.

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Table with columns: NOA, ASAR, KRSC, Code, Station Name, Az, Az', Phase ID, Time, Res, and various station codes like Severo-Kuril's, Pauzhetka, etc.

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Table with columns: CCM, CPCT, W52A, SIUC, T47A, BG3, PV13, PV02, PV03, PV12, PV11, PV17, PV16, T49A, PV04, SMCO, ISCO, WCI, SRU, S51A, O20A, N23A, ISA, O49A, HWUT, NVAR, PD31, PDAR, REDW, ATAH, COWI, MGMT, AGM, HRY, ULM, ULM, SCHO, YKA, YKB, FRBS, DAWY, EGAK, INK, SCRK, RIDG, BRLK, PRP, IL1, ILB, RES, RES, CCB, TRF, SVWZ, G009, OBN, CD2, KRSC, Code, Station Name, Az, Az', Phase ID, Time, Res, and various station codes like Cathedral Cave, Cooper Cove, etc.

0.3nm,0.7s,baz=343,slow=6.0,SNR=4.4
YKA Yellowknife Arr 81.48 18 P P 05 44 42.2 0.0

TORD Torodi Arr Bea 95.01 288 P P 05 45 48.5 -0.1
0.9nm,1.0s,baz=76,slow=6.1,SNR=4.6

IDC 20 05:36:34.0.0.9,30.20'N:102.78'E,h0km,mb3.7/9,
mb1 3.8/10,mb1mx3.5/50,mbtmp3.7/10,ML3.9/1,Error
ellipse: s-maj=38.3km s-min=19.0km az=54.0

ISCBJ 20 05:39:03.3.0.5,30.35'N:103.03'E,0.08,h10km,
mb3.7/9,Error ellipse: s-maj=9.9km s-min=6.4km
az=165.7

BUI 20 05:39:07.5,30.30'N:102.93'E,h23km,ML3.6/13
ISC 20 05:39:05.7,30.36'N:102.82'E,0.06,h10km,n15,
z=626/21,mb3.7/9,1,C,Suchuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include Chengdu, Guiyang, KMI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KMI, XAN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include XAN, CMAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SONM, WMQ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR, ZALV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KURBB, TIXI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KBZ, ARCES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include FINES, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ASAR, JMJC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include DAVOX, INK, etc.

KRSC 20 05:38:37.5.10.0,49.92'N:158.02'E,h52km,10km,ML3.9,
East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SKR, PAU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ALID, KDR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RUS, MTRV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include DALK, UGLR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SMAR, SDLR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KRER, KRX, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KBRTR, IDC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUI, IDC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include IDC, ISCBJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BUI, IDC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include IDC, ISCBJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include IDC, ISCBJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include IDC, ISCBJ, etc.

0.3nm,0.6s,baz=331,slow=5.3,SNR=5.3
ISCBJ 20 05:44:01.1.0.5,30.14'N:102.88'E,0.06,h10km,
mb3.5/10,Error ellipse: s-maj=7.4km s-min=5.2km
az=156.9

BUI 20 05:44:04.9,30.08'N:102.83'E,h17km,ML3.6/11
IDC 20 05:44:05.8.5.8,30.16'N:102.91'E,h35km,48km,mb3.3/8,
mb1 3.8/10,mb1mx3.4/51,mbtmp3.5/10,ML3.5/1,Error
ellipse: s-maj=31.7km s-min=17.2km az=87.5/1

ISC 20 05:44:02.9.0.7,30.19'N:105.102'E,0.06,h10km,n18,
z=159/24,mb3.6/10,5,C,Suchuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CD2, Chengdu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CD2, comp=N, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GYA, Guiyang, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GYA, KMI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include XAN, CMAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SONM, WMQ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KSRs, MKAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KURBB, TIXI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KBZ, ARCES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include FINES, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ASAR, JMJC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include DAVOX, INK, etc.

IDC 20 05:54:51.5.1.3,30.20'N:103.18'E,h0km,mb3.1/4,
mb1 3.4/4,mb1mx3.2/44,mbtmp3.2/4,Error ellipse:
s-maj=87.9km s-min=24.3km az=61.0,Suchuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ASAR, YKA, etc.

ISCBJ 20 06:05:42.0.6.8,47.7'N:0.1'x, h10km,mb3.5/8,MS4.1/1,
Error ellipse: s-maj=25.0km s-min=9.1km az=141.9
IDC 20 06:05:43.0.9.9,47.75'N:0.12'E,h0km,mb3.6/8,
mb1 3.7/11,mb1mx3.5/58,mbtmp3.6/11,ML3.5/3,MS4.1/1,
Ms1 4.1/1,ms1mx3.2/60,Error ellipse: s-maj=36.0km
s-min=13.7km az=55.0

IEPN 20 06:05:45.4,85.02'N:8.23'E,h20km
ISC 20 06:05:43.9.0.7,84.70'N:0.09'53'E,0.11,h10km,n20,
z=145/20,mb3.5/8,North of Svalbard

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ZF2, SPITS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SPITS, ARCES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ARCES, RES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RES, FINES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include NOA, INK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include INK, ILAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ILAR, YKA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AKASO, BVAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BBB, AAK, etc.

DALK Ugllovaya 1.44 33 eS Sn 06 05 49.6 -0.1
UGLR Ugllovaya 1.44 33 eP Pn 06 06 31.8 +0.3

AVH Avacha 1.46 30 eS Sn 06 06 32.0 +0.3
AVH Avacha 1.47 31 eP Pn 06 06 54.9 +1.5

SMAR Somma 1.47 31 eP Pn 06 06 32.2 +0.2
KRER Koryakskii 1.49 29 eP Sn 06 06 32.5 +0.1

KRER Koryakskii 1.49 29 eS Sn 06 06 55.5 +1.2
KRX Arik 1.51 26 eP Sn 06 06 32.4 0.0

KRER Koryakskii 1.51 26 eS Sn 06 06 54.9 +0.8
SDLR Sedlovina 1.51 24 eP Sn 06 06 32.1 -0.3

SKR Severo-Kuril's 1.60 32 eS Sn 06 06 33.3 +0.1
SKR Severo-Kuril's 1.60 32 eP Sn 06 06 56.9 +1.0

NK Nalytchevo 1.60 43 eP Sn 06 06 32.3 -0.9
ALID Alaid 1.69 22 eP Pn 06 06 34.2 -0.1

SPN Khibyupinski 1.67 53 eP Pn 06 06 35.9 0.4
KBRTR Krutoberegovo 5.23 34 eP Pn 06 07 18.4 -1.1

ASAJ Asahikawa 12.72 237 P P 06 08 58.3 -0.8
MJAR Matsushiro Arr 20.65 229 P P 06 10 31.4 -0.4

YKA Yellowknife Arr 45.01 41 P P 06 10 04.5 +0.2
PDAR Pinedale Arr 59.42 59 P P 06 15 51.4 +0.2

TXAR Lajitas Arr 72.51 65 P P 06 17 15.6 +0.7
WRA Warramunga Arr 74.46 203 P P 06 17 26.0 -0.1

ASAR Alice Springs 78.14 202 P P 06 17 46.8 0.0
IDC 20 06:12:43.3.1.4,30.21'N:102.93'E,h0km,mb3.3/5,
mb1 3.6/5,mb1mx3.3/73,mbtmp3.4/5,Error ellipse:
s-maj=74.0km s-min=24.3km az=67.0,Suchuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ASAR, INK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include YKA, KLM, etc.

NEIC 20 06:35:53.9.1.3,5.23'S:103.64'E,h70km,4km,mb4.5/44,
Error ellipse: s-maj=13.2km s-min=6.4km az=207.0
NEIC 20 06:35:54.0.0.5,5.18'S:103.65'E,h70km,3km,mb4.2/35,
mb1 4.3/36,mb1mx4.2/54,mbtmp4.5/36,Error ellipse:
s-maj=13.3km s-min=7.6km az=49.0

DJA 20 06:35:54.9.0.5,5.4'x10'3E,h83km,13km,MA.8/9,
mb4.5/4,mb4.9/2,MLV.4/9,MW(mb)4.2/2
ISC 20 06:35:53.9.0.4,5.30'S:105.103'E,0.05,h72km,3km,
h72km;pp-P,n211,z=142/236,mb4.5/78,Southern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MNAI, MNAI, etc.





Table with columns: MANT, Manisa, 1.68 48 i P, Pg, 06 46 14.8 +1.0, IAML\_P

Table with columns: KULA, Kula-Manisa, 1.75 49 PN, Pn, 06 46 13.8 -0.3

Table with columns: FETY, Fethiye, 1.84 113 PN, Pn, 06 46 14.8 +1.2

ISCJB 20 06:47:15.7-0.3, 37.02N-0103.140W, 0.03, h10km, Error ellipse: s-maj=4.3km s-min=3.6km az=151.1

NEIC 20 06:47:15.9-1.5, 36.97N-104.88W, h5km, 3ML, 3.0, MN2.9, Error ellipse: s-maj=9.0km s-min=5.1km az=177.0

ISC 20 06:47:15.5-0.8, 37.04N-0103.140W, 0.02, h10km, n58, r185/76, Colorado

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

ISCJB 20 06:55:44.0-0.8, 31.55N-105.140E, 0.1, h35km, mb3.4/6, Error ellipse: s-maj=17.1km s-min=6.5km

ISC 20 06:55:48.8-2.9, 31.58N-140.46E, h61km, 26km, mb3.1/6, mb1.3/3.7, mb1mx3.2/4.8, mbtmp3.4/7, ML2.2/1, Error ellipse: s-maj=38.9km s-min=19.0km az=82.0

JMA 20 06:55:50.2-0.4, 32.08N-140.78E, h2km, M4.0

ISC 20 06:55:46.1-1.4, 31.6N-01140.6E, 0.1, h35km, n23, r132/15, mb3.4/6, Southeast of Honshu

Continuation of station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

Table with columns: ASAR, Alice Springs, 55.31 188 P, P, 07 05 15.7 -0.6

Table with columns: YKA, Yellowknife Arr, 68.86 29 P, P, 07 06 46.8 0.0

Table with columns: FINES, FINES Array B, 73.39 333 P, P, 07 07 13.5 -0.4

ISCJB 20 07:04:59.1-0.5, 31.51N-0105.140E, 0.09, h35km, mb3.6/15, Error ellipse: s-maj=11.9km s-min=5.8km az=154.7

JMA 20 07:05:05.6-0.1, 32.10N-140.84E, h8km, M3.8

IDC 20 07:05:07.9-3.3, 31.61N-140.51E, h9km, 29km, mb3.3/15, mb1.3/5.7, mb1mx3.5/4.3, mbtmp3.6/7, Error ellipse: s-maj=24.2km s-min=14.0km az=96.0

ISC 20 07:05:01.0-0.9, 31.6N-01140.79E, 0.09, h35km, n29, r185/27, mb3.8/15, Southeast of Honshu

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

ISCJB 20 07:05:06.9-1.2, 31.4N-02-104.89E, 0.1, h10km, mb3.4/3, Error ellipse: s-maj=23.6km s-min=10.2km az=162.1

IDC 20 07:05:06.9-2.8, 31.48N-104.90E, h0km, mb3.3/3, mb1.3/5.3, mb1mx3.2/4.8, mbtmp3.3/3, Error ellipse: s-maj=45.0km s-min=27.2km az=52.0

ISC 20 07:05:08.5-1.5, 31.4N-02-104.8E, 0.1, h10km, n4, r05/24.5, mb3.5/3, Sichuan

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

NNC 20 07:07:21.0-0.9, 41.83N-78.19E, h0km, mb3.5, mpv3.2, 3C-3D, Error ellipse: s-maj=7.3km s-min=3.5km az=174.0, Suspected Mining explosion, Kyrgyzstan-Xinjiang border region

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

Table with columns: 8.5nm, 0.8s

ISCJB 20 07:10:01.8-0.6, 24.61N-0105.122E, 0.02, h11km, 5km, Error ellipse: s-maj=7.9km s-min=2.7km az=12.4

JMA 20 07:10:02.0-0.1, 24.59N-122.68E, h17km, 1km, M2.2

TAP 20 07:10:02.4, 24.61N-122.68E, h13km, ML2.6, C

ISC 20 07:10:01.8-0.9, 24.51N-0105.122E, 0.02, h17km, 7km, n36, r044/54, 2D, Taiwan region

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

IDC 20 07:12:21.2-0.9, 30.53N-103.42E, h0km, mb3.5/6, mb1.3/8.7, mb1mx3.5/4.6, mbtmp3.6/7, ML4.3/1, Error ellipse: s-maj=52.3km s-min=18.1km az=63.0, Sichuan

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

IDC 20 07:18:30.3-0.4, 30.34N-103.00E, h0km, mb4.2/23, mb1.4/3.25, mb1mx1.1/5.5, mbtmp4.2/25, ML3.8/2, Error ellipse: s-maj=16.2km s-min=10.4km az=58.0

NEIC 20 07:18:32.1-1.6, 30.37N-102.99E, h12km, 3km, mb4.5/7.1, Error ellipse: s-maj=13.6km s-min=12.4km az=89.0

MOS 20 07:18:33.2-1.1, 30.42N-103.09E, h26km, mb4.6/36, Error ellipse: s-maj=9.1km s-min=5.4km az=100.2

BUI 20 07:18:33.5, 30.39N-103.00E, h17km, mb4.3/26, MB4.6/14, ML4.3/21, Ms4.2/27, Ms7.4/0/27

ISCJB 20 07:18:34.3-0.6, 30.35N-103.00E, 0.03, h35km, 5km, s-min=4.1km az=136.1

ISC 20 07:18:34.2-0.9, 30.38N-103.00E, 0.04, h19km, 5km, n213, r149/229, mb4.9/9, 10C-2D, Sichuan

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC

20d 7h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KMI, Kunming, Enshi, Lanzhou, etc.

2013 APR

Table with columns for station name, frequency, mode, and signal strength. Includes stations like DGZ, HIA, HIA, Podgornoye, etc.

1276

Table with columns for station name, frequency, mode, and signal strength. Includes stations like FINES, WRAB, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKBS Yellowknife Ar, FFC Flin Flon, TX31 Lajitas Ar. Si, etc.

ISCJB 20 07:43:08.0.4.43:03N:0.05:144:27E:0.05, h130km,2km,mb3.3/10, Error ellipse: s-maj=9.3km s-min=5.1km az=153.6

JMA 20 07:43:09.0.5.1.43:08N:144:23E, h123km,1km,M3.3 JMA Feit 1 J1.

SKHL 20 07:43:10.0.1.1.42:60N:144:70E, h99km,5km,mb4.6/3, msH5.4/4

ISC 20 07:43:10.7.1.5.43:08N:144:12E, h138km,12km, mb3.1/10,mb1.3/4/10,mb1mx3.2/47,mbtmp3.6/10, Error ellipse: s-maj=21.3km s-min=15.8km az=117.0

ISC 20 07:43:09.1.0.7.43:03N:0.06:144:26E:0.04, h125km,5km, n34, c958/42, mb3.3/10, Hokkaido region

Main station list table for the first section, including stations like JAK Akkeshi, JAK Onbets, JAK Ashorobuto, etc.

UCR 20 07:45:53.7.3.3.15:48N:87:45W, h1km,26km,MD3.9, ML3.7, Honduras

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAHU Cacacuatique, CAHU Pacayal, LBR Las Brisas, etc.

ISC 20 07:46:53.1.0.8.3:55S:100:67E, h0km,mb4.2/16, mb1.4/2/16,mb1mx4.0/59,mbtmp4.2/16,MS3.4/3, Ms1.3/4/3,ms1mx3.0/39, Error ellipse: s-maj=26.0km s-min=13.3km az=59.0

ISCJB 20 07:46:55.0.5.3:55S:0.06:100:65E:0.07, h29km, mb4.4/6,MS3.9/5, Error ellipse: s-maj=12.3km s-min=6.0km az=140.5

NEIC 20 07:47:00.8.1.2.3:43S:100:78E, h47km,9km,mb4.5/23, Error ellipse: s-maj=17.4km s-min=6.3km az=46.0

ISC 20 07:46:59.0.6.3:55S:0.06:100:65E:0.09, h29km, n79, c132/710,mb4.4/6,MS3.8/5, Southur Sumatra

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

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

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CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

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CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

CMAR Chiang Mai Arr 21.96 356 eP P 07 51 48.1 -1.5

CM10 Chiang Mai Arr 21.93 356 eP P 07 51 48.0 -1.7

CM31 Chiang Mai Arr 21.96 356 eP P 07 51 48.4 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

ISCJB 20 07:53:25.8.0.3.30:33N:0.03:103:16E:0.05, h10km, mb3.9/21,MS3.0/1, Error ellipse: s-maj=6.2km s-min=4.5km az=10.7

ISC 20 07:53:25.5.0.9.30:37N:103:27E, h0km,mb3.8/9, mb1.4/0.11,mb1mx3.6/56,mbtmp3.8/11,ML3.6/1,MS3.1/1, Ms1.3/1/1,ms1mx2.5/41, Error ellipse: s-maj=32.3km s-min=16.8km az=74.0

NEIC 20 07:53:27.6.1.9.30:26N:103:11E, h10km,4km,mb4.1/15, Error ellipse: s-maj=19.0km s-min=7.5km az=108.0

BUJ 20 07:53:29.8.30:32N:102:90E, h24km,ML3.8/14,MS3.5/6, Ms7.3/3/6

ISC 20 07:53:28.6.0.5.30:38N:0.04:103:01E:0.05, h10km, n44, c240/53,mb4.0/21,1C-1D, Sichuan

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

CD2 Chengdu 0.83 50 Op P 07 53 43.3 -1.4

CD2 Chengdu 0.83 50 P P 07 53 46.0 +1.3

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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 Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Tinkle, Elevation Tinkle, Azimuth Jingle, Elevation Jingle, Azimuth Chime, Elevation Chime, Azimuth Bells, Elevation Bells, Azimuth Cymbals, Elevation Cymbals, Azimuth Drums, Elevation Drums, Azimuth Percussion, Elevation Percussion, Azimuth Strings, Elevation Strings, Azimuth Woodwinds, Elevation Woodwinds, Azimuth Brass, Elevation Brass, Azimuth Percussion, Elevation Percussion, Azimuth Strings, Elevation Strings, Azimuth Woodwinds, Elevation Woodwinds, Azimuth Brass, Elevation Brass.

IDC 20 07:57:40.7z 1.0, 43.40N, 12.32E, h0km, mb3.5/6, mb1 3.6/12, mb1mx3.5/42, mbtmp3.5/12, ML3.4/5, MS2.9/3, Ms1 2.9/3, ms1mx2.5/44, Error ellipse: s-maj=22.8km s-min=16.5km az=91.0

ISCJB 20 07:57:41.6z 0.2, 43.45N, 0.01, 12.27E, 0.02, h9km, 1km, mb3.5/6, MS3.6/1, Error ellipse: s-maj=2.2km s-min=2.1km az=173.2

LDG 20 07:57:41.8z 0.1, 43.48N, 12.25E, h5km, M13.4/18, Error ellipse: s-maj=2.8km s-min=2.0km az=27.0

ROM 20 07:57:41.1z 0.1, 43.448N, 0.004, 12.300E, 0.004, h8km, ML3.6/36, Error ellipse: s-maj=0.3km s-min=0.3km az=156.0

PRU 20 07:57:44.0z 0.0, 43.53N, 12.61E, h0km, n172, s1998/271, mb3.6/6, SC, Central Italy

Main table for station data on the left side, including columns for Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Tinkle, Elevation Tinkle, Azimuth Jingle, Elevation Jingle, Azimuth Chime, Elevation Chime, Azimuth Bells, Elevation Bells, Azimuth Cymbals, Elevation Cymbals, Azimuth Drums, Elevation Drums, Azimuth Percussion, Elevation Percussion, Azimuth Strings, Elevation Strings, Azimuth Woodwinds, Elevation Woodwinds, Azimuth Brass, Elevation Brass.

Main table for station data in the middle, including columns for Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Tinkle, Elevation Tinkle, Azimuth Jingle, Elevation Jingle, Azimuth Chime, Elevation Chime, Azimuth Bells, Elevation Bells, Azimuth Cymbals, Elevation Cymbals, Azimuth Drums, Elevation Drums, Azimuth Percussion, Elevation Percussion, Azimuth Strings, Elevation Strings, Azimuth Woodwinds, Elevation Woodwinds, Azimuth Brass, Elevation Brass.

Main table for station data on the right side, including columns for Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Tinkle, Elevation Tinkle, Azimuth Jingle, Elevation Jingle, Azimuth Chime, Elevation Chime, Azimuth Bells, Elevation Bells, Azimuth Cymbals, Elevation Cymbals, Azimuth Drums, Elevation Drums, Azimuth Percussion, Elevation Percussion, Azimuth Strings, Elevation Strings, Azimuth Woodwinds, Elevation Woodwinds, Azimuth Brass, Elevation Brass.





20d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Uspallata, Salagasta, Leontico, Cerro Villicu, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Severo-Kuril's, Alaid, Pauzhetka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MEX 20 08:37:51.8, PNIG Pinotepa, HUIG Hutaulco, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISCBJ 20 08:39:33.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISCB 20 08:39:33.9, ISCB 20 08:39:35.3, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISCB 20 08:39:41.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISCB 20 08:39:41.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BUI 20 08:39:45.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ISCB 20 08:39:42.8, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CD2 Chengdu, CD2, XAN Xi'an, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WMO Urumqi, KSRS Korea Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UCR 20 08:55:39.2, ISCBJ 20 08:55:42.0, etc.

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NEIC 20 08:55:42.5, 0.4, 12.53N, 88.96W, h35km, mb4.5/134, Error ellipse: s-maj=8.1km s-min=4.1km az=205.0, etc.

ISC 20 08:55:40.7, 1.6, 12.43N, 0.05:89.04W, 0.04, h29km, 10km, n452, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UESV Ojushitada, LFRS San Vicente, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SBLR San Blas, SNE San Jose, CSNG Cosiguina Volc, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RTR El Retiro, UNIC Santa Ana, LLLN La Laguna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APG El Apazote, APG, RCON San Juan de B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MATN Matagalpa, CONN Concepcion, ACON Acopya, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ESPN Las Esperanzas, CCIC Comitán, HDG Heredia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMIG Matias Romero, CMIG, MYIG Mrida, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BCIP Isla Barro Col, TLIG Tlapa, 061Z Ochoyog, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 059Z Ave Maria, 059A Moore Haven, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ROSC El Rosal, 957A Wimauma, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZAIQ Catacemas, 859A Kempfer Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 552A Lynn Haven, SDV Santo Domingo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SDV Santo Domingo, 833A Chaparral WMA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 833A Chaparral WMA, HKT Hockley, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRAL Brewton, 453A Whigham, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 453A Whigham, 454A Quitman, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BANI BANI, 351A Pinckard, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 350A Dozier, 352A Blakely, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 353A Camilla, 249A Camden, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 355A Pearson, VBMS Vicksburg, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VBMS Vicksburg, 251A Midway, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 435B Jarrell, 435B Jarrell, etc.

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NATX Nacogdoches, 254A Abbeville, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 147A Livingston, 147A Livingston, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 148A Greensboro, 149A Jones, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 150A Ecolite, 150A Opelika, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 152A Waverly Hall, 152A Waverly Hall, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Z49A Columbiana, 257A Skidaway Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 154A Montrose, 154A Montrose, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Z50A Ashland, Z50A Ashland, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 155A Kite, 241A Richard Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Z41A Richard Creek, Z52A Williamson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HPIG, Z53A Monticello, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Y48A Jasper, 157A Early Branch, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Y49A Blount Mountai, Y49A Blount Mountai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WLAR White Oak Lake, GOGA Godfrey, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GOGA Godfrey, CCAR Cape Creek, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Y51A Fort Vista, Y52A Lilburn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Y53A Monroe, Z56A Williston, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like X48A Hartselle, X48A Hartselle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like X47A Russellville, X46A Booneville, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Y54A Tignall, X49A Woodville, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ATAH Atahualpa, X50B Fort Payne, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like X40A Basin Creek Fa, X40A Basin Creek Fa, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OBIP Obisipado Ponce, Y55A Salud, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UALR University of, PLAL Pickwick Lake, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like X52A Dahlonga, HODGE Hodges, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like X53A Estanolee, W46A Michie, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W48A Bufaski, W49A Belvidere, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W47A Westpoint, SJG San Juan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W41B Gary Mavity, W41B Gary Mavity, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like X54A Belton, Y57A Sumter, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W50A Signal Mountai, W50A Signal Mountai, etc.

HUMP	baz=168	23.07	73	eP	P	09 00 44.1	-0.1
X56A	White Oak	23.14	17	P	P	09 00 42.5	-2.1
PAULI	Pauline	23.24	15	eP	P	09 00 46.0	+0.3
LPIG	La Paz	23.25	303	LR	LR	09 10 58.5	
CPCT	Cooper Cave	23.28	9	eP	P	09 00 45.8	-0.3
V46A	Holladay	23.28	2	P	P	09 00 45.4	-0.6
V48A	Smith Brothers	23.30	5	eP	P	09 00 46.4	+0.2
V48A	Smith Brothers	23.30	5	P	P	09 00 46.0	-0.2
V47A	Nunnelly	23.34	3	P	P	09 00 45.7	-0.9
W54A	Cherokee Point	23.40	14	P	P	09 00 46.5	-0.8
V49A	McMinnville	23.41	6	P	P	09 00 46.0	-1.3
V50A	Pikeville	23.41	8	P	P	09 00 46.0	-1.4
TKL	Tuckaleechee C	23.61	11	P	P	09 00 48.1	-1.2
TKL	Tuckaleechee C	23.61	11	eP	LR	09 10 03.5	
TKL	Tuckaleechee C	23.61	11	eP	P	09 00 48.8	-0.5
WVT	Waverly	23.62	2	P	P	09 00 49.1	-0.3
WVT	Waverly	23.62	2	P	P	09 00 48.6	-0.7
V51A	Loudon	23.66	10	eP	P	09 00 49.6	-0.1
V51A	Loudon	23.66	10	P	P	09 00 48.6	-1.1
KMSC	Kings Mountain	23.67	16	eP	P	09 00 49.6	-0.2
KMSC	Kings Mountain	23.67	16	P	P	09 00 48.5	-1.3
V53A	Saluda	23.81	13	eP	P	09 00 51.2	-0.1
V53A	Saluda	23.81	13	P	P	09 00 49.6	-1.7
U46A	Springville	23.84	2	P	P	09 00 50.6	-0.9
WMOK	Wichita Mounta	23.90	340	eP	P	09 00 51.8	-0.3
WMOK	Wichita Mounta	23.90	340	P	P	09 00 51.9	-0.3
STVI	Saint Thomas	23.95	73	eP	P	09 00 51.0	-1.6
U41A	Viola	23.95	354	P	P	09 00 52.0	-0.5
U47A	Clarksville	23.96	3	P	P	09 00 51.3	-1.2
U40A	Yellville	24.07	352	P	P	09 00 53.5	-0.1
U48A	Cassie Pea, P	24.08	5	P	P	09 00 52.4	-1.3
V54A	Nebo	24.11	14	P	P	09 00 52.4	-1.7
PARMO	Parma	24.14	359	eP	P	09 00 54.7	+0.5
HHAR	Hobbs	24.16	350	eP	P	09 00 53.4	-1.0
U49A	Red Boiling Sp	24.16	6	P	P	09 00 52.4	-2.0
TUL1	Leonard	24.16	347	eP	P	09 00 54.6	+0.2
TUL1	Leonard	24.16	347	P	P	09 00 53.2	-1.2
U50A	Jamestown	24.18	8	P	P	09 00 52.9	-1.8
W58A	Raeford	24.19	20	P	P	09 00 53.2	-1.5
U51A	La Follette	24.27	10	P	P	09 00 54.0	-1.5
PBMO	Poplar Bluff	24.28	357	eP	P	09 00 54.8	-0.7
V55A	Taylorville	24.37	16	P	P	09 00 55.1	-1.3
MNTX	Cornudas Mount	24.37	324	eP	P	09 00 57.0	+0.5
MNTX	Cornudas Mount	24.37	324	P	P	09 00 56.5	0.0
TZTN	Tazewell	24.52	11	eP	P	09 00 57.6	-0.1
T47A	Sharon Grove	24.52	4	eP	P	09 00 56.6	-1.1
T47A	Sharon Grove	24.52	4	P	P	09 00 56.2	-1.5
V56A	Mocksville	24.52	17	P	P	09 00 56.7	-1.1
T46A	Princeton	24.53	2	P	P	09 00 56.3	-1.5
U53A	Fall Branch	24.53	13	P	P	09 00 56.4	-1.5
T49A	Edmonton	24.77	7	eP	P	09 00 59.2	-0.8
T49A	Edmonton	24.77	7	P	P	09 00 58.7	-1.3
MSTX	Muleshoe	24.82	332	eP	P	09 01 00.4	-0.2
MSTX	Muleshoe	24.82	332	P	P	09 01 00.4	-0.2
U54A	Nelsons Funny	24.85	14	P	P	09 00 59.6	-1.2
AMTX	Amarillo	25.12	335	eP	P	09 01 03.4	0.0
AMTX	Amarillo	25.12	335	P	P	09 01 03.2	-0.1
S47A	Hartford	25.14	4	P	P	09 01 00.8	-2.5
S44A	Carbondale	25.16	360	P	P	09 01 02.6	-0.9
S41A	Jilco Farms	25.17	355	P	P	09 01 02.5	-1.1
SIUC	Southern Illinois	25.18	360	eP	P	09 01 04.0	+0.3
S48A	Wiedeman Farm,	25.26	6	P	P	09 01 02.9	-1.5
S49A	Springfield	25.47	7	P	P	09 01 04.9	-1.4
S51A	Beattyville	25.57	10	eP	P	09 01 06.8	-0.4
S51A	Beattyville	25.57	10	P	P	09 01 05.9	-1.3
CCM	Cathedral Cave	25.60	356	eP	P	09 01 06.7	-0.7
CCM	Cathedral Cave	25.60	356	P	P	09 01 06.8	-0.7
R44A	Waltonville	25.71	360	P	P	09 01 07.3	-1.2
R45A	Skylar, Fairri	25.77	1	P	P	09 01 07.8	-1.2
WCI	Wyandotte Cave	25.81	5	eP	P	09 01 08.5	-0.9
WCI	Wyandotte Cave	25.81	5	P	P	09 01 07.7	-1.7
R41A	Rosebud	25.85	356	P	P	09 01 08.5	-1.2
R47A	Wooly Knot Far	25.86	5	P	P	09 01 08.1	-1.7
R49A	Shelbyville	25.99	7	P	P	09 01 09.8	-1.2
R48A	Northridge Ran	26.02	6	P	P	09 01 09.5	-1.8
R50A	Paris	26.09	8	P	P	09 01 10.1	-1.8
OLIL	Olney	26.21	2	eP	P	09 01 13.3	+0.3
R51A	Hillsboro	26.22	10	P	P	09 01 11.5	-1.7
Q45A	Warren Harvey,	26.37	2	P	P	09 01 13.7	-0.8
Q47A	Bedord North L	26.50	5	P	P	09 01 14.2	-1.5
Q48A	North Vermon	26.56	6	P	P	09 01 14.0	-2.1
Q49A	Aurora	26.72	7	P	P	09 01 16.0	-1.7
Q51A	Peebles	26.97	10	eP	P	09 01 19.1	-0.7
Q51A	Peebles	26.97	10	P	P	09 01 18.8	-1.1

P47A	Martinsville	27.06	5	P	P	09 01 18.6	-2.0
Q52A	Bidwell	27.10	12	P	P	09 01 19.2	-1.9
NNA	Narver	27.11	153	LR	LR	09 11 01.7	
P48A	Milroy	27.11	6	P	P	09 01 19.0	-2.1
P46A	Rosedale	27.13	3	P	P	09 01 19.2	-2.1
P49A	Miami Univ. Ec	27.27	7	P	P	09 01 21.0	-1.5
KSU1	Kansas State U	27.40	347	P	P	09 01 23.4	-0.4
ANMO	Albuquerque	27.42	328	P	P	09 01 26.1	+1.9
Q54A	Coxs Mills	27.43	14	eP	P	09 01 23.3	-0.7
Q54A	Coxs Mills	27.43	14	P	P	09 01 22.7	-1.3
P51A	Williamsport	27.46	10	eP	P	09 01 23.6	-0.6
P51A	Williamsport	27.46	10	P	P	09 01 22.6	-1.6
O41A	Passleys Farm,	27.62	357	P	P	09 01 24.2	-1.5
CBN	Corbin Frederi	27.70	20	P	P	09 01 23.9	-2.5
O45A	Potomac	27.73	2	P	P	09 01 25.2	-1.5
P52A	Corning	27.78	12	P	P	09 01 25.4	-1.7
P53A	Whipple	27.79	13	eP	P	09 01 26.4	-0.8
O47A	Sheridan	27.81	5	P	P	09 01 25.6	-1.8
O48A	Farmland	27.93	6	P	P	09 01 26.7	-1.8
CBKS	Cedar Bluff	27.94	342	eP	P	09 01 28.5	-0.2
CBKS	Cedar Bluff	27.94	342	P	P	09 01 28.1	-0.5
O49A	Covington	27.96	8	eP	P	09 01 27.6	-1.1
O50A	Cable	28.02	9	P	P	09 01 27.8	-1.5
TUC	Tucson	28.10	318	eP	P	09 01 30.1	-0.1
TUC	Tucson	28.10	318	P	P	09 01 30.4	+0.2
O51A	Pataskala	28.19	10	P	P	09 01 28.9	-1.8
T25A	Trinidad	28.20	333	eP	P	09 01 33.4	+2.2
T25A	Trinidad	28.20	333	P	P	09 01 31.5	+0.3
ACSO	Alum Creek Sta	28.20	10	eP	P	09 01 30.0	-0.9
ACSO	Alum Creek Sta	28.20	10	P	P	09 01 28.6	-2.3
N41A	Harden Midland	28.21	357	P	P	09 01 29.8	-1.2
N44A	Piper City	28.27	1	P	P	09 01 30.3	-1.2
O52A	Adamsville	28.30	12	eP	P	09 01 31.1	-0.7
O52A	Adamsville	28.30	12	P	P	09 01 30.5	-1.3
MCWV	Mont Chateau	28.32	15	eP	P	09 01 31.3	-0.6
N40A	Mertquake, Sal	28.43	356	P	P	09 01 31.7	-1.2
N49A	Columbus Grove	28.70	8	eP	P	09 01 34.5	-0.8
N49A	Columbus Grove	28.70	8	P	P	09 01 34.1	-1.3
N50A	Nevada	28.70	9	P	P	09 01 34.0	-1.4
M41A	Milan	28.86	358	P	P	09 01 35.9	-0.8
M40A	Post Highland	28.95	356	P	P	09 01 35.8	-1.7
SDMD	Soldier's Deli	28.96	20	eP	P	09 01 37.6	0.0
M47A	Cromwell	28.98	5	P	P	09 01 36.4	-1.4
N52A	McGinn's Farm,	29.00	12	P	P	09 01 36.2	-1.8
KSCO	Kaye Shedlock'	29.09	338	P	P	09 01 37.6	-1.4
N53A	Lisbon	29.17	13	eP	P	09 01 38.8	-0.7
M50A	Fremont	29.34	9	eP	P	09 01 40.2	-0.8
M50A	Fremont	29.34	9	P	P	09 01 38.8	-2.1
L42A	Oliver, Polo	29.47	359	eP	P	09 01 41.4	-0.7
L42A	Oliver, Polo	29.47	359	P	P	09 01 40.0	-2.1
N54A	Moraine State	29.51	14	eP	P	09 01 41.6	-0.9
L41A	Preston	29.56	358	P	P	09 01 41.2	-1.7
L40A	Anamosa	29.58	357	eP	P	09 01 42.4	-0.7
L40A	Anamosa	29.58	357	P	P	09 01 41.9	-1.2
L39A	Vinton	29.70	356	P	P	09 01 43.1	-1.1
S22A	4UR Ranch, Cre	29.80	331	eP	P	09 01 46.2	+0.7
S22A	4UR Ranch, Cre	29.80	331	P	P	09 01 45.4	-0.1
BGNE	Belgrade	29.95	346	eP	P	09 01 46.2	-0.2
K41A	Shuensburg	30.09	358	P	P	09 01 46.3	-1.3
M54A	Oil Creek Stat	30.11	14	eP	P	09 01 47.3	-0.5
K40A	Colesburg	30.21	357	P	P	09 01 47.7	-1.0
MVCO	Mesa Verde	30.21	328	eP	P	09 01 51.2	+2.1
K39A	Delwain	30.27	356	P	P	09 01 47.6	-1.5
M55A	Ridgway	30.30	15	P	P	09 01 48.1	-1.4
K47A	Vermontville	30.33	6	P	P	09 01 47.7	-2.1
JFWS	Jewell Farm	30.39	358	eP	P	09 01 49.7	-0.6
JFWS	Jewell Farm	30.39	358	P	P	09 01 49	

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CPUP, YKA, YKA, PLCA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NACB, TWD, ETHL, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EOS1, TWC, ENA, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LBRS, OPAM, LFLU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TEIG, LVIG, TLIG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BTX, MIAR, HBAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AMTX, CCM, BNM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CD2, WRA, CMAR, etc.

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MK01, MK31, MK32, etc.











Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Keskin Array S, Malin Array Si, and various other radio telescope stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Sheep Creek Mo, Sheep Creek P, and various other radio telescope stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Neumayer Olymp, Neumayer-Watz, and various other radio telescope stations.





20d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like La Plagne, Rotzenmühle, Molin, Manzenberg, etc.

2013 APR

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

1290

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, URZ, PPT2, etc.







1293

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like Whitehorse, Suanglung, Xian, etc.

2013 APR

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like WMQ, Urumqi, TGY, etc.

20d 13h

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like BRZS, Berezni, PDGK, etc.



BW06	Boulder Array	60.57	58	eP	P	13 23 00.1 +0.7
BW06	comp=Z,7um,19.0s				LR	
BW06	Boulder Array	60.57	58	P	P	13 22 59.7 +0.3
PD31	Pinedale Array	60.57	58	eP	P	13 23 00.5 +1.1
PDAR	Pinedale Array	60.57	58	P	P	13 22 59.6 +0.2
PDAR	comp=Z,23nm,1.0s,baz=313,slow=2.4,SNR=73				LR	
PDAR	comp=Z,4um,21.9s,baz=344,slow=36				LR	13 48 35.9
PDAR	comp=Z,0.3nm,0.7s,baz=125,slow=4.5,SNR=3.7				PKPPKP	13 42 19.3 -5.4
PDAR	comp=Z,1.2nm,1.0s,baz=150,slow=3.3,SNR=4.5				PK2Pbc	13 52 25.8
PDAR	Pinedale Array	60.57	58	eP	P	13 22 59.0 -0.4
DHRM	DHARAMSHALA	60.62	58	eP	P	13 22 59.4 -0.5
SC2Z	Santa Cruz Isl	60.62	71	P	P	13 22 59.7 +0.1
FURC	Furnace Creek, baz=313	60.63	67	P	P	13 22 59.8 +0.3
TCUT	Toone Canyon	60.65	60	eP	P	13 23 01.5 +1.5
KONS	Konsvik	60.67	344	eP	P	13 22 59.6 +0.3
MOR8	Moi Rana	60.73	344	eP	P	13 22 57.6 -2.2
CTU	Camp Tracy	60.75	61	P	P	13 23 01.7 +1.1
OSI	Osito Audit: C baz=313	60.76	70	P	P	13 23 00.5 0.0
LRMC	Laurel Mtn Rad baz=313	60.80	69	P	P	13 23 01.7 +0.7
DDI	Delra Dun	60.84	283	eP	P	13 23 01.1 -0.1
SMKI	Samarinda	60.84	228	P	P	13 23 02.5 +1.3
SMLA	Simla	60.85	285	eP	P	13 22 59.8 -1.3
SBUM	Sibu	60.85	234	P	P	13 23 03.0 +1.7
BLG	Laguna Peak, P baz=313	60.89	71	P	P	13 23 03.1 -0.1
PSUT	Pine Spring	61.00	64	eP	P	13 23 03.3 +0.9
EDW2	Edwards Air Fo baz=313,SNR=7.6	61.02	69	P	P	13 23 03.3 +1.0
NLU	North Lily Min	61.06	61	eP	P	13 23 03.7 +1.0
SNCC	San Nicolas Is	61.20	72	P	P	13 23 04.7 +1.2
MPU	Maple Canyon	61.27	61	eP	P	13 23 06.8 +2.7
FUNA	Funafuti	61.32	155	PFake	LR	13 23 20.0 +1.6
FUNA	comp=Z,9um,22.0s				LR	
PASC	Pasadena Art C	61.38	70	eP	P	13 23 06.1 +1.4
FSJD	Kangerlussuaq	61.41	12	LR	LR	13 23 06.1 +1.4
FSJD	comp=Z,12um,18.2s,baz=336,slow=39					
FSJD	Kangerlussuaq	61.41	12	P	P	13 23 04.2 -0.1
FSJD	comp=Z,160nm,1.1s					13 23 04.4 +0.1
FSJD	Kangerlussuaq	61.41	12	iP	P	13 23 04.4 +0.1
FSJD	comp=Z,160nm,1.1s				MLR	13 23 04.4 +0.1
GSC	Goldstone, Bar baz=313,SNR=8.2	61.45	68	P	P	13 23 04.4 -0.9
NIL	Nilore	61.54	289	eP	P	13 23 06.1 +0.3
NIL	comp=Z,242nm,0.8s				LR	
NIL	Nilore	61.54	289	eP	P	13 23 06.1 +0.3
NIL	comp=Z,10um,19.0s				MLR	
NIL	comp=Z,242nm,0.8s				MLR	
KDI	Kendari	61.54	220	P	P	13 23 06.5 +0.6
SHPR	Sheep Range	61.61	66	eP	P	13 23 08.5 +2.0
RRX	Edison Barstow	61.62	69	P	P	13 23 06.6 +0.2
FMP	Fort Macarthur	61.63	71	P	P	13 23 06.5 +0.1
BFSO	Mount Baldy Ra baz=313	61.66	70	P	P	13 23 06.4 -0.3
BKB	Balikpapan	61.70	227	P	P	13 23 05.9 -1.1
TCRU	Three Creeks R	61.76	63	eP	P	13 23 10.9 +3.3
CIS	Catalina Islan	61.77	71	P	P	13 23 08.6 +1.2
TUO	Turquoise Moun baz=313,SNR=6.9	61.88	68	P	P	13 23 09.4 +1.2
TTSI	Tana Toraja	61.93	224	P	P	13 23 08.1 -0.4
CCUT	Cedar City	61.95	64	P	P	13 23 09.8 +1.0
SC12	San Clemente I baz=314	61.98	71	P	P	13 23 09.3 +0.6
MSU	Marysvalde	61.98	63	eP	P	13 23 10.1 +1.1
TMUT	Trail Mountain	62.00	61	eP	P	13 23 10.4 +1.2
SZCU	Shurtz Canyon	62.08	64	eP	P	13 23 11.6 +2.0
BBRO	Big Bear Solar	62.09	69	P	P	13 23 10.0 +0.2
P17A	Butcher Ranch,	62.14	61	eP	P	13 23 11.8 +1.8
MDND	Maddock	62.18	48	eP	P	13 23 10.9 +1.0
MDND	Maddock	62.18	48	eP	P	13 23 09.5 -0.4
ULM	Lac du Bonnet	62.20	44	P	P	13 23 09.3 -0.7
ULM	comp=Z,23nm,0.8s,baz=319,slow=6.7,SNR=20				LR	13 52 17.6
ULM	Lac du Bonnet	62.20	44	eP	P	13 23 10.0 0.0
ULM	Lac du Bonnet	62.20	44	eP	P	13 23 10.0 0.0
FIA1	FINESS Array S	62.26	336	eP	P	13 23 08.7 -1.4
FINES	FINESS Array B	62.26	336	P	P	13 23 07.7 -2.4
FINES	comp=Z,14nm,0.5s,baz=39,slow=7.7,SNR=73				PKPPKP	13 52 12.6 -1.0
FINES	comp=Z,2.5nm,0.8s,baz=238,slow=4.7,SNR=4.1				PK2Pbc	13 52 25.8
FINES	comp=Z,3.9nm,0.9s,baz=182,slow=8.8,SNR=4.4				LR	13 54 56.1
FINES	comp=Z,21um,18.1s,baz=32,slow=4.1				iP	13 23 08.6 -1.6
Q16A	Castle Valley	62.28	62	eP	P	13 23 12.3 +1.4
K22A	Casper	62.28	56	eP	P	13 23 11.8 +1.0
K22A	Casper	62.28	56	eP	P	13 23 11.3 +0.4
MTPU	Mount Pierson	62.30	63	eP	P	13 23 12.6 +1.3
MURC	Murrieta C	62.38	70	P	P	13 23 10.6 -0.8
LCMT	Little Creek M	62.39	65	eP	P	13 23 12.7 +1.1
MTKI	Muara Tewe, K	62.40	230	P	P	13 23 13.2 +1.5
GMRC	Granite Mounts	62.49	68	P	P	13 23 09.9 -2.4
SRU	San Rafael Swe	62.51	61	eP	P	13 23 13.4 +0.9
RSSD	Black Hills	62.58	53	eP	P	13 23 13.1 +0.2
RSSD	Black Hills	62.58	53	eP	P	13 23 13.1 +0.2
RSSD	Black Hills	62.58	53	P	P	13 23 12.1 -0.7
RWWY	Rawlins	62.58	57	eP	P	13 23 12.8 -0.1
LDFC	Landfair	62.62	67	eP	P	13 23 15.1 +2.0
KNB	Kanab	62.62	64	eP	P	13 23 15.2 +1.9
KNB	Kanab	62.63	64	eP	P	13 23 15.2 +1.9
NSS	Namsos	62.66	344	eP	P	13 23 13.0 +0.2
NSS	Namsos	62.66	344	eP	P	13 23 18.9 -3.3
NSS	Namsos	62.66	344	eP	P	13 25 30.6 +0.4
KSM	Kuching	62.68	235	P	P	13 23 15.0 +1.4
SPSI	Sidrap Palu	62.77	223	P	P	13 23 14.0 -0.1
PFO	Pinyon Flats O	62.81	69	LR	LR	13 46 01.0
PFO	comp=Z,64nm,1.2s,comp=Z,4um					
PFO	Pinyon Flats O	62.81	69	LR	LR	13 46 01.0
PFO	comp=Z,7um,21.1s,baz=302,slow=32					
PFO	Pinyon Flats O	62.81	69	eP	P	13 23 17.4 +2.9
PFO	Pinyon Flats O	62.81	69	eP	P	13 23 17.4 +2.9
PFO	Pinyon Flats O	62.81	69	P	P	13 23 12.8 -1.6
BELC	Belle Mtn. Jos	62.82	69	P	P	13 23 13.5 -1.0
BBSI	Bau Bau	62.94	220	P	P	13 23 30.1 +1.5
BNSI	Bone	63.01	223	P	P	13 23 17.0 +1.3
O20A	White River Ci	63.09	59	eP	P	13 23 17.1 +0.8
O20A	White River Ci	63.09	59	P	P	13 23 15.3 -1.0
NEE2	Needles Airpor	63.12	67	P	P	13 23 16.1 -0.2
IRM	Iron Mountain	63.23	68	P	P	13 23 16.3 -0.8
MOS	Moscow	63.32	327	eP	P	13 23 16.5 -0.8
MOS	Moscow	63.32	327	eP	P	13 23 53.6
MOS	Moscow	63.32	327	eP	P	13 31 45.9 -0.9
BAR	Barrett	63.33	70	eP	P	13 23 19.1 +1.3

MONP2	Monument Peak	63.33	70	P	P	13 23 16.8 -1.3
U15A	North Rim	63.34	64	eP	P	13 23 19.5 +1.3
BC3	Big Chucckwall	63.39	69	eP	P	13 23 18.1 -0.2
KBL	Kabul	63.46	293	eP	P	13 23 17.5 -1.4
KBL	Kabul	63.46	293	eP	P	13 23 17.5 -1.4
SKLT	Songkhla	63.53	248	P	P	13 23 21.7 +2.5
KRAB	Krabi	63.55	250	P	P	13 23 26.7 +7.3
TRIT	Trang	63.56	249	P	P	13 23 21.1 +1.7
AGMN	Agassiz Nant	63.62	46	eP	LR	13 23 19.4 -0.1
AGMN	comp=Z,8um,19.0s				LR	
AGMN	Agassiz Nant	63.62	46	P	P	13 23 18.3 -1.1
DGPR	DIGLIPUR	63.63	259	eP	P	13 23 21.0 +1.2
SWSC	Sam W. Stewart	63.67	70	P	P	13 23 18.3 -1.7
IKP	In-Ko-Pah, Jac	63.69	70	P	P	13 23 18.9 -1.3
KAPI	Kappang	63.72	223	eP	LR	13 23 21.7 +1.3
KAPI	comp=Z,3um,22.0s				MLR	
KAPI	Kappang	63.72	223	eP	MLR	13 23 21.7 +1.3
KAPI	comp=Z,3um,22.0s				MLR	
KAPI	Kappang	63.72	223	P	P	13 23 20.3 -0.1
PV09	Paradox Valley	63.72	61	eP	P	13 23 21.7 +1.1
PDMCI	Parker Dam,Lak	63.73	67	P	P	13 23 19.9 -0.4
PV21	Cone Mtn., Par	63.77	61	eP	P	13 23 22.4 +1.5
N23A	Red Feather La	63.81	57	eP	P	13 23 22.2 +1.1
N23A	Red Feather La	63.81	57	P	P	13 23 20.1 -1.1
PV23	Carpeniter Ridg	63.82	61	eP	P	13 23 22.7 +1.4
BKSI	Bulukumba	63.83	222	P	P	13 23 22.3 +1.2
PV10	Paradox Valley	63.86	61	eP	P	13 23 23.4 +1.9
PV14	Lion Creek, Pa	63.87	61	eP	P	13 23 22.5 +0.9
Y12C	Blythe	63.88	68	P	P	13 23 21.7 +0.3
PV04	Paradox Valley	63.92	61	eP	P	13 23 23.0 +1.2
PV20	West Nyswonger	63.92	61	eP	P	13 23 22.9 +1.1
PV19	Morning Glory	63.94	61	eP	P	13 23 23.0 +1.1
PV17	East Wray Mesa	63.97	61	eP	P	13 23 23.0 +0.8
PV16	Nyswonger Mesa	63.97	61	eP	P	13 23 23.3 +1.1
PV15	David Mesa, Pa	64.01	61	eP	P	13 23 23.5 +1.1
PV13	Saucer Basin	64.03	61	eP	P	13 23 23.7 +1.1
PV07	Paradox Valley	64.04	61	eP	P	13 23 23.6 +1.0
PV03	Paradox Valley	64.05	61	eP	P	13 23 23.7 +1.0
ANGG	Ammassalik, Gr	64.13	7	eP	P	13 23 22.3 -0.1
PV19	Radium Mtn., P	64.13	61	eP	P	13 23 24.4 +1.1
PV02	Paradox Valley	64.15	61	eP	P	13 23 24.4 +1.0
OBN	Obninsk	64.18	327	LR	LR	13 55 23.2
OBN	comp=Z,3um,19.3s,baz=29,slow=40					
OBN	Obninsk	64.18	327	eP	P	13 23 21.2 -1.7
OBN	Obninsk	64.18	327	eP	P	13 23 21.7 -1.3
OBN	Obninsk	64.18	327	eP	P	13 23 21.7 -1.3
OBN	Obninsk	64.18	327	eP	P	13 23 24.7 -0.1
OBN	Obninsk	64.18	327	eP	P	13 23 44.9 +8.8

20d 13h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like NACGM, ASK, KONO, KONGSBERG, etc.

2013 APR

Table with columns for station ID, name, frequency, and signal strength. Includes stations like GROC, HYB, J40A, HYB, etc.

1296

Table with columns for station ID, name, frequency, and signal strength. Includes stations like M40A, LSQQ, ZEI, ZEI, etc.





20d 13h

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1298

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like TLR, GMM, MEDO, LMK, P48A, R46A, EIDS, W41B, GARY, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like BZK, PALK, DRGR, M5B, HARR, WLF1, WLF1, WLF1, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like LOT, WVT, WVT, WVT, U47A, LBNH, PKME, PKME, MEM, MEM, MEM, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like P55A Reedsville, ARSA Arzberg, WLF Waifeldange, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like R55A Marlinton, SERE Serefikochisa, FAQ Al Faqa, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like JOE Queens East, JVM Valle D.L. Mar, U55A TA2, Sparta, etc.



Table with columns: RKT, Riteka, comp, 94.16, 121, eSKSac, SKSac, 13 36 43.0 +3.4, etc.

Table with columns: PLCA, Paso Flores, 145.61, 93, PKPbc, PKPdf, 13 32 26.1 -0.3, etc.

Table with columns: PET, 32um,9.0s, AMS, AMS, 13 21 10.0, etc.

20d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YSS, AMS, HMT, TIY, etc.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HMT, TIY, BKPM, EPYK, etc.

1302

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SKNT, RABL, N02D, M04C, etc.

KLMR	Klimovskoe	58.89 330	eP	P	13 28 04.4	-2.3
KLMR						
KLMR	comp=Z,38nm,1.3s	58.89 330	eP	P	13 28 04.4	-2.3
KLMR						
H17A	Grant Village	58.89 57	eP	P	13 28 10.3	+3.0
H17A	Grant Village	58.89 57	P	P	13 28 07.5	+0.1
IMW	Indian Meadow	59.02 57	eP	P	13 28 10.5	+2.3
RLMT	Red Lodge	59.12 55	eP	P	13 28 11.3	+2.5
RLMT	Red Lodge	59.12 55	P	P	13 28 08.6	-0.2
STEI	Steigen	59.23 344	eP	P	13 28 07.1	-1.1
LOF	Lofoten	59.23 345	eP	P	13 28 08.9	-0.1
TPAW	Teton Pass	59.28 58	eP	P	13 28 13.3	+3.3
ILULI	Ilulissat	59.32 11	iP	P	13 28 08.6	-0.9
ILULI	Ilulissat	59.32 11	iP	P	13 28 08.6	-0.9
LOHW	Long Hollow	59.39 58	eP	P	13 28 13.3	+2.5
HVU	Hansel Valley	59.40 60	eP	P	13 28 12.9	+2.1
HVU	Hansel Valley	59.40 60	eP	P	13 28 12.9	+2.1
SNOW	Snow King Mountain	59.41 58	eP	P	13 28 13.8	+2.9
DGMT	Dagmar	59.49 50	P	P	13 28 10.7	-0.5
YES	Vestal, Richgr	59.65 69	P	P	13 28 12.4	+0.1
LAO	LASA Array	59.67 52	P	P	13 28 13.7	+1.3
PHET	Kaeng Krachan	59.72 253	P	P	13 28 17.1	+4.1
GAR	Garm	59.82 296	eP	P	13 28 12.9	-0.8
GAR	Garm	59.82 296	eP	P	13 28 12.9	-0.8
CWC	Cottonwood Cre	59.85 68	P	P	13 28 14.1	+0.1
SCO	Scoreboardsund	59.91 360	eP	P	13 28 13.7	+0.2
SCO	Scoreboardsund	59.91 360	iP	P	13 28 13.8	+0.2
SCO	Scoreboardsund	59.91 360	eP	P	13 28 13.7	+0.2
GRAC	Grapevine Rang	59.91 67	P	P	13 28 14.1	-0.1
R11A	Troy Canyon, C	60.06 65	P	P	13 28 15.2	-0.2
HWUT	Hardware Ranch	60.19 60	eP	P	13 28 18.0	+1.7
ARVC	Arvin	60.28 70	P	P	13 28 13.2	-3.5
DUG	Dugway, Tocoel	60.43 62	eP	P	13 28 19.2	+1.4
DUG	Dugway, Tocoel	60.43 62	eP	P	13 28 19.3	+1.4
DUG	Dugway, Tocoel	60.43 62	P	P	13 28 17.1	-0.7
MPMC	Manual Prospec	60.46 68	P	P	13 28 17.8	-0.3
BW06	Boulder Array	60.52 58	eP	P	13 28 19.6	+1.1
BW06	Boulder Array	60.52 58	P	P	13 28 18.1	-0.5
PD31	Pinedale Array	60.52 58	eP	P	13 28 19.9	+1.4
PDAR	Pinedale Array	60.52 58	eP	P	13 28 18.6	+0.1
PDAR	Pinedale Array	60.52 58	eP	P	13 28 19.2	+0.7
FURC	Furnace Creek,	60.56 67	P	P	13 28 19.1	+0.5
KONS	Konsvik	60.78 344	eP	P	13 28 19.6	0.0
MOR8	Moi Rana	60.84 344	eP	P	13 28 17.9	-2.2
SBUM	Sibu	60.88 234	eP	P	13 28 22.9	+1.9
EDW2	Edwards Air Fo	60.95 69	P	P	13 28 21.4	+0.1
NLU	North Lily Min	61.01 61	eP	P	13 28 23.4	+1.6
DECO	Green Verdugo	61.17 70	P	P	13 28 23.1	+0.3
MPU	Maple Canyon	61.22 61	eP	P	13 28 24.9	+1.7
SHOC	Shoshone, Teco	61.30 67	P	P	13 28 23.7	+0.1
GSC	Goldstone, Bar	61.38 68	eP	P	13 28 25.3	+1.0
GSC	Goldstone, Bar	61.38 68	eP	P	13 28 25.3	+1.0
GSC	Goldstone, Bar	61.38 68	P	P	13 28 24.5	+0.1
SFJD	Kangerlussuaq	61.47 12	eP	P	13 28 24.3	+0.1
SFJD	Kangerlussuaq	61.47 12	iP	P	13 28 24.2	0.0
SFJD	Kangerlussuaq	61.47 12	eP	P	13 28 24.3	+0.1
SFJD						
NIL	Nilore	61.67 289	eP	P	13 28 26.3	+0.1
TUQ	Turquoise Mountain	61.82 68	P	P	13 28 27.6	+0.3
CCUT	Cedar City	61.90 64	eP	P	13 28 29.5	+1.6
TMUT	Trail Mountain	61.95 62	eP	P	13 28 29.6	+1.2
BBRC	Big Bear Solar	62.02 69	P	P	13 28 28.7	-0.1
MURC	Murrieta	62.31 70	P	P	13 28 30.5	+0.1
LCMT	Little Creek M	62.33 65	eP	P	13 28 32.2	+1.4
FINES	FINESS Array B	62.38 336	P	P	13 28 28.2	-2.3
FINES	FINESS Array B	62.38 336	iP	P	13 28 28.7	-1.8
FINES						
GMRC	Granite Mounta	62.42 68	P	P	13 28 31.8	+0.4
SRU	San Rafael Swe	62.46 61	eP	P	13 28 32.8	+1.2
SRU	San Rafael Swe	62.46 61	eP	P	13 28 32.8	+1.2
RSSD	Black Hills	62.54 53	eP	P	13 28 32.9	+0.8
RSSD	Black Hills	62.54 53	eP	P	13 28 32.9	+0.8
RSSD	Black Hills	62.54 53	P	P	13 28 32.2	0.0
PFO	Pinyon Flats O	62.74 69	P	P	13 28 33.7	+0.2
BELC	Belle Mtn. Jos	62.76 69	P	P	13 28 33.8	+0.2
NSS	Namsos	62.78 344	eP	P	13 28 37.5	+0.2
IRM	Iron Mountain	63.16 68	P	P	13 28 36.1	-0.1
BC3	Big Chuckawall	63.32 69	P	P	13 28 37.5	+0.2
KBL	Kabul	63.59 293	eP	P	13 28 40.1	+0.9
KBL	Kabul	63.59 293	eP	P	13 28 40.1	+0.9
AGMN	Agassiz Nation	63.60 46	eP	P	13 28 40.0	+1.2
AGMN	Agassiz Nation	63.60 46	P	P	13 28 38.5	-0.3
IKP	In-Ko-Pah, Jac	63.62 70	P	P	13 28 39.4	+0.1
PDMC1	Parker Dam,Lak	63.66 67	P	P	13 28 39.6	+0.2
PV09	Paradox Valley	63.67 61	eP	P	13 28 41.5	+1.7
PV21	Cone Mtn., Par	63.72 61	eP	P	13 28 41.8	+1.8
N23A	Red Feather La	63.77 57	P	P	13 28 40.0	-0.4
PV23	Camter Ridge	63.77 61	eP	P	13 28 42.5	+2.0
PV10	Paradox Valley	63.81 61	eP	P	13 28 42.8	+2.1
Y12C	Blythe	63.82 68	eP	P	13 28 41.4	+1.0
Y12C	Blythe	63.82 68	P	P	13 28 40.9	+0.4
PV14	Lion Creek, Pa	63.82 61	eP	P	13 28 42.0	+1.3
PV04	Paradox Valley	63.87 61	eP	P	13 28 42.4	+1.4
PV20	West Nyswonger	63.88 61	eP	P	13 28 42.3	+1.3
PV19	Morning Glory	63.89 61	eP	P	13 28 42.4	+1.3
PV17	East Wray Mesa	63.92 61	eP	P	13 28 42.4	+1.1
PV16	Nyswonger Mesa	63.92 61	eP	P	13 28 42.7	+1.4
PV11	David Mesa, Pa	63.96 61	eP	P	13 28 43.0	+1.4
PV05	Paradox Valley	63.98 61	eP	P	13 28 43.3	+1.5
PV12	Saucer Basin,	63.98 61	eP	P	13 28 43.5	+1.7
PV07	Paradox Valley	63.99 61	eP	P	13 28 43.4	+1.6
PV03	Paradox Valley	64.00 61	eP	P	13 28 43.2	+1.3
PV13	Radium Mtn., P	64.08 61	eP	P	13 28 43.5	+1.1
PV02	Paradox Valley	64.10 61	eP	P	13 28 44.2	+1.6
GLA	Glamis	64.12 69	eP	P	13 28 43.3	+0.8
GLA	Glamis	64.12 69	eP	P	13 28 43.3	+0.8
GLA	Glamis	64.12 69	P	P	13 28 42.9	+0.4
PV01	Paradox Valley	64.24 61	eP	P	13 28 45.7	+2.2
OBN	Obninsk	64.31 327	eP	P	13 28 43.1	-0.2
OBN	Obninsk	64.31 327	iP	P	13 28 43.1	-0.2
WUAZ	Wupatki	64.45 65	P	P	13 28 44.6	-0.2
Y14A	Wickenburg	64.59 67	eP	P	13 28 46.5	+0.9
ISCO	Idaho Springs	64.72 58	eP	P	13 28 48.5	+1.8
ISCO	Idaho Springs	64.72 58	eP	P	13 28 48.5	+1.8
ISCO						
COEN	Coen	64.84 195	eP	P	13 28 47.8	+0.6
MVCO	Mesa Verde	64.93 62	eP	P	13 28 49.3	+1.3
MVCO	Mesa Verde	64.93 62	P	P	13 28 47.7	-0.3
KULM	Kulim	65.07 247	eP	P	13 28 51.0	+2.2
X16A	Lo Mia Camp, P	65.18 66	eP	P	13 28 51.0	+1.4
S22A	4UR Ranch, Cr	65.50 60	eP	P	13 28 53.7	+2.0
S22A	4UR Ranch, Cr	65.50 60	P	P	13 28 51.3	-0.4
Q24A	Divide	65.56 58	P	P	13 28 51.9	-0.3
AKN	Aaknes	65.59 344	eP	P	13 28 53.0	-0.7
OGNE	Ogallala	65.83 55	P	P	13 28 53.2	-0.4
EYMN	Ely	65.84 43	eP	P	13 28 54.3	+0.9
EYMN	Ely	65.84 43	P	P	13 28 53.2	-0.2
NC303	NORSAR Array S	65.92 343	eP	P	13 28 52.3	-1.4
NC405	NORSAR Array S	65.96 343	eP	P	13 28 53.2	-0.8
X18A	Snowflake	65.98 65	eP	P	13 28 56.5	+1.7
NC204	NORSAR Array S	65.99 343	eP	P	13 28 53.2	-1.0
214A	Organ Pipe Nat	66.10 68	P	P	13 28 56.0	+0.6
NB201	NORSAR Array S	66.10 343	eP	P	13 28 54.2	-0.7
NB2	NORSAR Subarra	66.12 343	P	P	13 28 53.7	-1.4
NB2	NORSAR Subarra	66.12 343	P	P	13 28 53.7	-1.4
NOA	NORSAR Array B	66.12 343	P	P	13 28 53.5	-1.6
NB000	NORSAR Array S	66.22 343	eP	P	13 28 55.3	-0.3
SDCO	Great Sand Dun	66.24 59	eP	P	13 28 58.3	+1.9
SDCO	Great Sand Dun	66.24 59	P	P	13 28 56.4	-0.1
NC602	NORSAR Array S	66.34 343	eP	P	13 28 55.6	-0.7
NC602	NORSAR Array S	66.34 343	eP	P	13 28 55.0	-1.4
NA001	NORSAR Array S	66.37 343	eP	P	13 28 56.0	-0.6
VSR	Storozhevoye	66.42 323	iP	P	13 28 54.8	-2.2
VSR						
ECSD	EROS Data Cent	66.57 49	eP	P	13 28 58.9	+0.7
ECSD	EROS Data Cent	66.57 49	P	P	13 28 58.1	-0.1
MTN	Mantion Dam	66.66 208	eP	P	13 28 59.3	+0.4
E38A	The Farm, Brul	66.82 44	P	P	13 28 59.5	-0.2
C40A	Isle Royale Na	66.89 42	P	P	13 29 00.4	+0.2
HYA	Hoyanger	66.90 345	eP	P	13 29 04.4	-0.5
SKAR	Skarslia	66.99 344	eP	P	13 29 00.7	+0.1
TUC	Tucson	67.06 67	eP	P	13 29 02.7	+1.2
TUC	Tucson	67.06 67	eP	P	13 29 02.7	+1.2
TUC	Tucson	67.06 67	P	P	13 29 02.1	+0.5
F38A	Pierce - Schro	67.16 45	P	P	13 29 01.7	-0.2
T25A	Trinidad	67.28 59	P	P	13 29 03.4	+0.4
SPMN	Mate on St.	67.29 46	eP	P	13 29 03.8	+1.1
SPMN	Marine on St.	67.29 46	P	P	13 29 03.1	+0.4
E39A	Mellen	67.44 44	P	P	13 28 59.6	-4.1
GEYT	Alibeck	67.45 302	P	P	13 29 02.5	-1.4
BGNE	Belgrade	67.51 52	P	P	13 29 00.2	-4.0
F39A	Loretta	67.63 45	P	P	13 29 04.2	-0.7
E40A	Wakefield	67.69 44	P	P	13 29 04.8	-0.5
T						



20d 13h

Table with columns: Call Sign, Name, Frequency, Power, Class, and other details. Includes stations like DZM, WMOK, WRAB, HDIL, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Class, and other details. Includes stations like P47A, KRLC, BRG, etc.

1304

Table with columns: Call Sign, Name, Frequency, Power, Class, and other details. Includes stations like TIRR, TLB, N53A, etc.

1305

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like HERR, MORH, MDH, ZIMR, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AUBOZ, BOZOYUK, X51A, etc.

20d 13h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like LIT, Litokhoron, URTA, etc.

IDC 20 13:18:40.4±2.9, 19:28S×174:38W, h0km, mb4.0/3, mb1 4.3/3, mb1mx3.7/40, mbtmp4.1/3, MS3.9/1, Ms1 3.9/1, ms1mx3.1/48, Error ellipse: s-maj=71.1km s-min=47.2km az=101.0, Tonga Islands

ROM 20 13:21:37.5±0.1, 43:457N, 0:004×12:289E±0:006, h9°N, ML1/0/4, Error ellipse: s-maj=0.5km s-min=0.5km az=333.0, Central Italy

20d 13h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res. Includes stations like Castiglione Fio, Peglio, Fossombrone, etc.

ICD 20 13:23:12.1±0.9, 50.00N; 157.45E, h0km, mb3.7/9, mb1 4.0, 9, mb1mx3.757, mbtmp3.7/9, Error ellipse: s-maj=38.4km s-min=23.0km az=11.0

ISCJB 20 13:23:16.3±0.7, 49.90N; 106.157E, h1.0, h41km, mb3.7/9, Error ellipse: s-maj=11.1km s-min=8.0km az=169.7

SKHL 20 13:23:17.0±0.5, 49.86N; 157.66E, h50km, mb5.2/2

ISC 20 13:23:18.2±0.9, 49.94N; 109.15755E, h41km, m13, a0578/16, mb3.7/9, East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res. Includes stations like Severo-Kuril's, PAU, PET, etc.

VIE 20 13:23:49.5±0.2, 46.56N; 153.33E, h3km, m10.6/1, Error ellipse: s-maj=2.5km s-min=1.2km az=36.0

LJU 20 13:23:49.5, 46.56N; 153.33E, h3km, ML1.2, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res. Includes stations like Gros, BISS, PERS, etc.

ISCJB 20 13:26:21.7±0.5, 45.69N; 107.151E, h100km, mb3.7/11, Error ellipse: s-maj=12.5km s-min=3.9km az=143.9

SKHL 20 13:26:23.6±0.5, 45.57N; 150.97E, h120km, 6km, mb5.6/5, msh6.2/5

MOS 20 13:26:23.1±1.0, 45.87N; 150.94E, h108km, mb4.2/2, Error ellipse: s-maj=12.1km s-min=7.8km az=45.8

ICD 20 13:26:24.7±0.9, 45.95N; 150.95E, h106km, 2.7km, mb3.3/9, mb1 3.6/13, mb1mx3.4/61, mbtmp3.8/13, Error ellipse: s-maj=27.4km s-min=13.0km az=136.0

JMA 20 13:26:27.2±0.5, 44.99N; 150.85E, h123km, M4.0

ISC 20 13:26:22.5±0.7, 45.54N; 108.15109E, h100km, n71, a256/83, mb3.6/11, 3C-2D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res. Includes stations like Kuril'sk, KUR, etc.

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Main table with columns: YUK, Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res. Includes stations like Severo-Kuril's, Yuzh-Kuril'sk, etc.

1306

Table with columns: ILAR, ZALV, INK, MKAR, BRVK, etc. Includes station names and coordinates.

ROM 20 13:27:39.2±0.1, 43.460N; 100.003E, 12.291E±0.005, h7km, Md1.1/4, ML3.7/1, Error ellipse: s-maj=0.3km s-min=0.2km az=64.0, Central Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res. Includes stations like CDCA, BADI, etc.

ICD 20 13:32:20.1±58.0, 22.29S; 174.88W, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.7/44, mbtmp3.9/3, Error ellipse: s-maj=1082.0km s-min=181.4km az=86.0, Tonga Islands region

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

ICD 20 13:34:26.6±0.6, 50.08N; 157.30E, h0km, mb4.2/33, mb1 4.3/38, mb1mx4.2/59, mbtmp4.1/38, ML3.1/5, Error ellipse: s-maj=16.8km s-min=11.2km az=146.0

KRSC 20 13:34:29.9±10.0, 49.92N; 157.77E, h61km, 10km, ML4.9

ISCJB 20 13:34:29.9±10.0, 49.92N; 157.77E, h61km, 10km, ML4.9

SKHL 20 13:34:30.2±0.1, 49.78N; 157.75E, h53km, 2km, mb5.1/4

MOS 20 13:34:32.0±1.1, 49.99N; 157.40E, h51km, mb4.8/23, Error ellipse: s-maj=8.6km s-min=3.6km az=86.3

NEIC 20 13:34:34.0±0.9, 49.98N; 157.22E, h56km, 7km, mb4.4/21, Error ellipse: s-maj=11.2km s-min=5.6km az=141.0

ISC 20 13:34:30.8±0.8, 49.94N; 108.15109E, h100km, n71, a256/83, mb3.6/11, 3C-2D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res. Includes stations like Severo-Kuril's, SKR, etc.





Table with columns: Station Name, Time, Res, Phase ID, and various codes. Includes stations like BOD, CIT, KELR, ZRHB, TRTB, TRG, UUDB, KHNR, TUP, FFNB, HRMR, BGT, YKLR, LSTR, KPC, TLY, ARS.

Table with columns: Station Name, Time, Res, Phase ID, and various codes. Includes stations like IENR, ZAK, MOY, ORL, SONM, KLR, TIXI, MKAR, KURK, BVAR, PETK, ILAR, BRTR, YKA, GQSA, SKR, PAU, ALID, KDR, ASAK, RUS, MTVR, KRMR, AP, UGLR, AVH, SMAR, SDR, KRER, TURM, KBTR, ISK, DDA, MANT, KULA, USAK, AYDB, SIMA, KHAL, AYDN, GDZ, DENIZL, TAVA, STEP, DURS, BLCB, BALB, FETY, NEIC, GUC, ISK, IDC, BUI, ZALV, MKAR, CD2, GYA, XAN, CMAR, WMO, MKAR, KURBB, WRA, ASAR, AGCH, AGPI, CHPI, ANTU, CLCH, CLCH.

Table with columns: Station Name, Time, Res, Phase ID, and various codes. Includes stations like ROCI, PEL, G006, A006, PLCA, PLCA, PLCA, AUPP, ASAL, RTLS, RTVC, CFA, G004, ACCO, AMOG, AROD, ACDD, MRA, AGUA, APPL, APPL, ACCL, TRQA, TRQA, LVC, OGAV, CPUP, PLTB, MNMC, USHA, ITAB, CNLB, LPAZ, PTGB, AQDB, TRCB, SIV, SPB, ITRB, BB19, ESAR, PMSA, BDFB, RPN, MC16, MC19, SJMB, JANB, PTGA, SDV, NBMO, VNA3, VNA1, VNA2, SNA4, SNA4, GQSA, TX31, TXAR, DBIC, BOSA, NVAR, PDAR, TORO, TOA1, ULM, TIXI, ZAA1, ZALV, ZALV, MKAR, CD2, GYA, XAN, XAN, CMAR, WMO, MKAR, KURBB, WRA, ASAR, AGCH, AGPI, CHPI, ANTU, CLCH, CLCH.



20d 14h

mb1 3.8/8, mb1mx3.5/43, mbtmp3.6/8, ML2.6/1, Error ellipse: s-maj=84.6km s-min=21.0km az=158.0

MOS 20 14:12:56.1s, 1.9, 44.21N:147.03E, h89km, mb4.1/3, Error ellipse: s-maj=17.9km s-min=12.2km az=61.6

ISC 20 14:12:51.81s, 4.3, 63.66N:107.147E, h47km, mb16km, n41,c1973/54, mb3.5/5, 5D, Kuril Islands

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

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Table with columns: INK, YKA, FINES, FINES, NOA. Lists specific seismic events with their coordinates and magnitudes.

KRSC 20 14:13:23.1s ± 10.0, 49.87N:157.79E, h50km, 10km, ML3.7, East of Kuril Islands

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

UPP 20 14:19:01.7s ± 0.8, 55.95N:101.80E, h0km, ML2.7, Suspected explosion

BER 20 14:19:02.4s ± 0.5, 55.77N:101.82E, h15km, 162km, NAO 20 14:19:08.4s ± 1.9, 56.33N:101.92E, ML2.0

ISC 20 14:19:03.31s ± 1.5, 56.06N:101.92E, 0.07, h10km, n24, c1960/37, Denmark

Large table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists numerous seismic stations and their data points.

NEIC 20 14:19:28.0 ± 0.6, 30.29S:177.47W, h10km, mb4.6/6, Error ellipse: s-maj=16.0km s-min=7.8km az=110.0

ICC 20 14:19:22.0 ± 3.8, 30.15S:177.70W, h29km, 25km, mb4.3/9, mb1 4.5/9, mb1mx4.0/30, mbtmp4.5/9, Error ellipse: s-maj=21.9km s-min=15.5km az=97.0

ISC 20 14:19:21.9 ± 0.6, 30.28S:105.177E, 0.1, h33km, n63, c1978/81, mb4.5/12, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the NEIC and ICC events.

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

WEL 20 14:22:10.3 ± 41 S:13:17.3E, h221km, 4km, Off west coast of South Island

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



20d 15h

2013 APR

1312

Table with multiple columns containing station names (e.g., EPOB, EPOB, EPOB), frequencies, SNR values, and various alphanumeric codes (e.g., Pg, Sn, Lg, Pn, eP, eS, eSg, A). The table is organized into several vertical sections.

GRR	213nm,0.7s,SNR=7.9	5.69	6	ePn	Pn	15 19 44.8	-0.1
GRR	Gorron	5.69	6	ePn	Pn	15 19 56.1	+0.3
GRR	Gorron	5.69	6	ePn	Pn	15 20 07.8	-0.7
GRR	71nm,0.3s			eSg	Sg	15 20 47.6	-3.1
GRR	Gorron	5.69	6	eSg	Sg	15 21 20.8	-1.4
GRR	Gorron			ePn	Pn	15 19 44.8	-0.1
GRR	Gorron			ePn	Pn	15 20 07.8	-0.7
GRR	Gorron			eSg	Sg	15 20 47.6	-3.1
GRR	36nm,0.3s			Lg	Lg	15 21 20.8	
GRR	Rostrenen	5.70	350	ePn	Pn	15 19 46.1	+1.1
ROSF	SNR=1.0			eSn	Sn	15 20 47.9	-3.0
ROSF	70nm,0.4s			Pn	Pn	15 19 46.1	+1.1
ROSF	Rostrenen	5.70	350	Pn	Pn	15 20 47.9	-3.0
ROSF	35nm,0.4s			Pn	Pn	15 20 47.9	-3.0
PCAS	Casmilo, Conde	5.72	244	ePn	Pn	15 19 46.9	+1.5
PCAS	Saint Saulge			eSn	Sn	15 20 49.4	-2.2
PCAS	Casmilo, Conde	5.72	244	eSg	Sg	15 21 23.5	+0.2
PCAS	115nm,0.7s			A	A	15 21 41.4	
PCAS	Casmilo, Conde	5.72	244	Pn	Pn	15 19 46.9	+1.5
PCAS	Casmilo, Conde			Pn	Pn	15 20 49.4	-2.2
PCAS	Casmilo, Conde			Lg	Lg	15 21 23.5	
SSF	115nm,0.7s			ePn	Pn	15 19 46.9	+1.5
SSF	Saint Saulge	5.72	39	ePn	Pn	15 19 44.9	-0.5
SSF	Saint Saulge			eSn	Sn	15 20 48.4	-3.1
SSF	Saint Saulge			eSg	Sg	15 21 20.9	-2.4
SSF	177nm,0.7s			Pn	Pn	15 19 44.6	-0.8
SSF	Saint Saulge	5.72	39	ePn	Pn	15 19 44.9	-0.5
SSF	Saint Saulge			Pn	Pn	15 20 48.4	-3.1
SSF	Saint Saulge			Lg	Lg	15 21 20.9	
ENIJ	88nm,0.7s	5.77	183	Pn	Pn	15 19 48.5	+2.6
ENIJ	Nijar			Pg	Pg	15 20 09.5	-0.4
ENIJ	7.2nm,0.4s,SNR=7.9			Lg	Lg	15 21 24.2	
ENIJ	11nm,0.4s,SNR=7.9			Lg	Lg	15 21 24.2	
PESTR	170nm,0.8s,SNR=7.9	5.87	231	ePn	Pn	15 19 48.1	+0.8
PESTR	Estremoz			Pn	Pn	15 20 51.1	+2.2
PESTR	Estremoz			eSg	Sg	15 21 23.9	-4.0
PESTR	Estremoz			A	A	15 21 35.5	
PESTR	91nm,0.5s	5.87	231	ePn	Pn	15 19 48.1	+0.8
PESTR	Estremoz	5.87	231	Pn	Pn	15 19 52.6	+5.2
PESTR	Estremoz			Sb	Sb	15 21 05.9	-7.2
PESTR	Estremoz			S	S	15 19 51.1	+3.3
EBER	Berja	5.89	189	Pn	Pn	15 20 54.2	-1.8
EBER	7.1nm,0.2s,SNR=7.9			Sn	Sn	15 20 54.2	-1.8
EBER	20nm,0.5s,SNR=7.9			Lg	Lg	15 21 31.4	
EBER	33nm,0.8s,SNR=7.9			Lg	Lg	15 21 31.4	
PTOM	33nm,0.8s,SNR=7.9	5.90	240	ePn	Pn	15 19 48.8	+1.1
PTOM	Tomar			Sg	Sg	15 21 28.2	-0.7
PTOM	Tomar			A	A	15 21 40.3	
PTOM	131nm,0.5s	5.90	240	Pn	Pn	15 19 48.8	+1.1
PTOM	Tomar			Lg	Lg	15 21 28.2	
EGOR	66nm,0.5s	5.90	198	Pn	Pn	15 19 50.1	+2.2
EGOR	Sierra Gorda			Sn	Sn	15 20 54.4	-1.6
EGOR	6.6nm,0.4s,SNR=7.9			Sn	Sn	15 20 54.4	-1.6
EGOR	16nm,0.4s,SNR=7.9			Lg	Lg	15 21 30.0	
EGOR	114nm,0.7s,SNR=7.9	5.95	66	ePn	Pn	15 19 50.5	+1.9
ORIF	Oris-en-Rattie			ePn	Pn	15 20 53.4	-3.9
ORIF	SNR=1.0			eSn	Sn	15 20 53.4	-3.9
ORIF	108nm,0.6s	5.95	66	Pn	Pn	15 19 51.0	+2.4
ORIF	Oris-en-Rattie	5.95	66	Pn	Pn	15 19 50.5	+1.9
ORIF	Oris-en-Rattie			Sn	Sn	15 20 53.4	-3.9
LDF	54nm,0.6s	5.97	11	ePn	Pn	15 19 48.5	-0.3
LDF	La Druitiere			Pg	Pg	15 20 12.9	-1.0
LDF	La Druitiere			eSn	Sn	15 20 53.5	-4.1
LDF	32nm,0.5s,SNR=1.0			eSg	Sg	15 21 28.6	-2.6
CLF	185nm,0.9s	6.00	27	ePn	Pn	15 19 50.4	+1.2
CLF	Chambon-Foret			eSn	Sn	15 20 55.9	-2.4
ELGU	Los Guajares	6.03	194	Pn	Pn	15 19 52.2	+2.6
ELGU	12nm,0.4s,SNR=7.9			Sn	Sn	15 20 57.2	-2.0
ELGU	4.6nm,0.5s,SNR=7.9			Lg	Lg	15 21 33.3	
ELGU	152nm,0.7s,SNR=7.9			Lg	Lg	15 21 33.3	
OGDI	Digne	6.04	74	Pn	Pn	15 19 51.0	+1.3
OGDI	Lormes	6.04	39	Pn	Pn	15 19 49.3	-0.4
OGDI	baz=220,SNR=1.0			eSn	Sn	15 20 55.6	-3.7
LOR	SNR=1.0			eSg	Sg	15 21 30.7	-2.7
LOR	118nm,0.7s,baz=218,SNR=1.0			Pn	Pn	15 19 49.3	-0.4
LOR	Lormes	6.04	39	Pn	Pn	15 20 55.6	-3.7
LOR	Lormes			Lg	Lg	15 21 30.7	
FLN	59nm,0.7s	6.09	8	ePn	Pn	15 19 50.4	0.0
FLN	La Foliniere			eSn	Sn	15 20 57.3	-3.3
FLN	baz=189,SNR=1.0			eSg	Sg	15 20 57.3	-3.3
FLN	baz=188			eSg	Sg	15 21 33.0	-2.2
FLN	84nm,0.6s	6.09	8	Pn	Pn	15 19 50.4	+0.8
FLN	La Foliniere			Pn	Pn	15 20 57.3	-3.3
FLN	La Foliniere			Lg	Lg	15 21 33.0	
LMR	42nm,0.6s	6.10	82	ePn	Pn	15 19 52.6	+2.1
LMR	La Moure			Pn	Pn	15 19 52.6	+2.1
LMR	SNR=1.0			Pg	Pg	15 19 52.6	+2.1
LMR	La Moure			Pn	Pn	15 20 56.9	-3.9
LMR	La Moure			Pg	Pg	15 20 56.9	-3.9
PMTG	33nm,1.1s	6.11	235	ePn	Pn	15 19 51.4	+0.8
PMTG	Montargil			eSn	Sn	15 20 57.5	-3.5
PMTG	Montargil			eSg	Sg	15 21 34.2	
PMTG	Montargil			A	A	15 21 34.2	
PMTG	100nm,0.6s	6.11	235	Pn	Pn	15 19 51.4	+0.8
PMTG	Montargil			Pn	Pn	15 20 57.5	-3.5
PMTG	Montargil			Lg	Lg	15 21 34.2	
FRF	100nm,0.6s	6.21	80	ePn	Pn	15 19 53.8	+1.7
FRF	La Foret Royal			Pn	Pn	15 20 16.6	-1.9
FRF	La Foret Royal			Pg	Pg	15 20 59.6	-4.0
FRF	La Foret Royal			Sn	Sn	15 20 59.6	-4.0
OG35	20nm,0.6s	6.21	55	Pn	Pn	15 19 53.6	+1.5
EMIN	Corcelles	6.22	219	Pn	Pn	15 19 52.9	+0.7
EMIN	Mina Concepcio			Sn	Sn	15 21 00.3	-3.4
EMIN	0.8nm,0.2s,SNR=7.9			Lg	Lg	15 21 37.8	
EMIN	8.1nm,0.3s,SNR=7.9			Lg	Lg	15 21 37.8	
ALMR	70nm,0.6s,SNR=7.9	6.27	238	ePn	Pn	15 19 53.6	+0.7
ALMR	Almeirim			Pg	Pg	15 21 37.7	-3.1
ALMR	Almeirim			A	A	15 21 40.3	
ALMR	comp=N,78nm,0.6s	6.27	238	ePn	Pn	15 19 54.2	+1.3
ALMR	Almeirim			eSn	Sn	15 21 41.8	+1.0
ALMR	Almeirim			eSg	Sg	15 21 43.8	
ALMR	Almeirim			A	A	15 21 43.8	
ALMR	comp=N,140nm,0.5s	6.27	238	ePn	Pn	15 19 53.6	+0.7
ALMR	Almeirim			Pn	Pn	15 19 54.2	+1.3
ALMR	Almeirim			Sn	Sn	15 20 44.0	-1.0
ALMR	Almeirim			Lg	Lg	15 21 41.8	
JSA	comp=N,70nm,0.5s	6.46	358	ePn	Pn	15 19 55.9	+0.4
JSA	Saint Aubin			eS	S	15 21 05.7	-3.9
JSA	Saint Aubin			IAML	IAML	15 21 10.9	
JSA	comp=N,31nm,0.6s			IAML	IAML	15 21 13.6	
JSA	Saint Aubin			Pn	Pn	15 19 56.1	+0.7
JSA	Jersey	6.46	358	ePn	Pn	15 19 55.8	+0.4
JRS	Jersey	6.46	358	ePn	Pn	15 19 55.8	+0.4
JRS	Jersey			eS	S	15 21 06.7	-2.9
JRS	Jersey			eP	P	15 19 55.6	+0.1
JRS	Jersey			eP	P	15 19 56.1	+0.3
JRS	Jersey			eSn	Sn	15 19 58.4	+2.2
JRS	Jersey			eSn	Sn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn	Pn	15 19 58.4	+2.2
JRS	Jersey			Pn	Pn	15 21 06.7	-2.9
JRS	Jersey			Pn	Pn	15 19 55.6	+0.1
JRS	Jersey			Pn	Pn	15 19 56.1	+0.3
JRS	Jersey			Pn			

20d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Keora, Glergowa, GERESS Array S, etc.

2015 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Alice Springs, Matsuhiro, MJB9, etc.

1314

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Tarrant Creek, Warramunga Arr, etc.





20d 15h

Table with columns: ICAO, Name, Frequency, Mode, Power, and other parameters. Includes stations like CHIANG MAI, LANZHOU, CHENGDU, KUNMING, etc.

2013 APR

Table with columns: ICAO, Name, Frequency, Mode, Power, and other parameters. Includes stations like MOXA, FETA, RETA, FUORN, DAVA, KEST, WHN, SBF, BOD, ARAO, etc.

1316

Table with columns: ICAO, Name, Frequency, Mode, Power, and other parameters. Includes stations like WARRAMUNGA ARR, WRA, WRB, WRAB, etc.

ATH 20 15:37:33.0, 38.64N-25.94E, h28km, 1km, ML2.8/5, Error ellipse: s-maj=2.2km s-min=1.1km az=250.0

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like PSRA, CHOS, KRBN, SIGR, etc.



20d 16h

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

2013 APR

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

1318

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

MOS 20 16:23:05.8 1.5 34.46N-23.45E, h33km, mb4.3/12, Error ellipse: s-maj=10.5km s-min=4.5km az=86.1 THE 20 16:23:08.6 34.73N-23.23E, h4km, 2km, ML3.7/4, Error ellipse: s-maj=2.4km s-min=0.9km az=44.0 ISK 20 16:23:09.4 34.79N-23.58E, h80km, ML4.0/15 ATH 20 16:23:09.7 34.84N-23.35E, h34km, 2km, ML3.6/5, Error ellipse: s-maj=3.5km s-min=1.3km az=29.0 IDC 20 16:23:11.3 2.6 34.93N-23.30E, h51km, 21km, mb3.7/18, mb1.8/2/1, mb1mx3.6/5/1, mbtmp4.0/2/1, ML3.5/3, MS3.2/1, Ms1.3/3/1, ms1mx2.6/5/3, Error ellipse: s-maj=23.6km s-min=19.0km az=7.0 ISC 20 16:23:09.7 1.3 34.75N-0.07W-23.33E, 0.05, h44km, 10km, n173, r163/182, mb4.0/25, 18C-5D, Crete

Table with columns: VAM, VAMOS, P, Pn, 1623 28.2 +1.3, etc. Includes stations like VAMOS, ANKY, PRNS, TMBK, SIVA, etc.

Table with columns: BRG, BRG, P, Pmax, 1627 12.0 +1.0, etc. Includes stations like BERGISSHUBEL, KIV, KBZ, etc.

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

20d 17h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MURC, 214A, 214A, PDMCI, GMRC, 121A.

PAS 20 16:55:31.0,0.0,32.30N:115.21W,h7km
ECX 20 16:55:33.2,0.5,32.20N:115.26W,h5km,MD3.3,ML3.5
NEIC 20 16:55:33.2,0.0,32.43N:115.27W,h5km,ML3.5(ECX),
ML3.5(PAS),After ECX.

ISC 20 16:55:31.2,1.0,32.47N:0.06:115.24W:0.03,h11km,7km,
n26,e1935/31,1C-2D,California-Baja California border
region

Main table for 20d 17h section, listing various stations and their coordinates and phases.

IDC 20 16:55:57.7,0.6,6:59S:148:35E,h0km,mb4.2/15,
mb1 4.3/18,mb1mx4.2/38,bmtmp4.2/18,ML4.02,MS3.8/17,
Ms1 3.8/17,ms1mx3.6/40,Error ellipse: s-maj=21.1km
s-min=13.6km az=96.0

NEIC 20 16:56:02.9,0.7,6:33S:148:31E,h35km,mb4.3/8,Error
ellipse: s-maj=15.9km s-min=9.8km az=100.0
DJA 20 16:56:10.8,1.2,7.7S:148.1E,1.1,h78km,h4km,ML4.3/8,
mb4.3/8,mb5.5/1,MLV4.2/1,MW(M)5.0/1
ISC 20 16:56:04.7,0.5,6:15S:0.06:148:26E:0.08,h4km,n55,
e1534/47,mb4.1/9,MS3.9/14,New Britain region

Main table for 20d 17h section, listing various stations and their coordinates and phases.

2013 APR

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SONM, VNDA, MK32, MKAR, MAKZ, KDAX, ZALV, ZALV, ZAA1, GSPA, ILAR, NRIK, INK, AKTO, NVAR, YKA, GERES, TORDI, TOAI, BDBF, DBIC.

JMA 20 17:02:53.2,0.1,1.3792N:144:03E,h46km,M3.6,Off east
coast of Honshu

Main table for 2013 APR section, listing various stations and their coordinates and phases.

IDC 20 17:09:45.5,17.0,2:27S:174:14W,h0km,mb3.9/5,
mb1 4.1/10,mb1 mx3.7/32, bmtmp3.9/5, Error ellipse:
s-maj=322.6km s-min=145.2km az=82.0,Tonga Islands
region

SKHL 20 17:28:39.8,0.1,49.83N:157:70E,h64km,6km,mb5.3/3
KRSC 20 17:28:39.2,10.0,49.92N:157:74E,h60km,10km,ML4.7
MOS 20 17:28:42.9,1.1,50.06N:157:32E,h59km,mb4.5/8,Error
ellipse: s-maj=93km s-min=4.1km az=83.0
IDC 20 17:28:46.3,2.0,17.15S:175:08E,171km,23km,mb3.5/21,
mb1 3.7/24,mb1mx3.6/49,nbtmp3.8/24,MS3.3/2,
Ms1 3.4/2,ms1mx2.7/39,Error ellipse: s-maj=17.3km
s-min=12.1km az=154.0

NEIC 20 17:28:49.7,3.0,50:60N:157:14E,h82km,7km,mb4.1/10,
Error ellipse: s-maj=20.5km s-min=6.9km az=147.0
ISC 20 17:28:42.2,1.0,49.96N:106:157.64E:0.05,h42km,9km,
n142,e1959/148,mb4.2/45,3C-1D,East of Kuril Islands

Main table for 2013 APR section, listing various stations and their coordinates and phases.

1320

Main table for 1320 section, listing various stations and their coordinates and phases.





20d 18h

comp=Z,0.6m,0.6s,baz=300,slow=5.1,SNR=8.1
ASAR Alice Springs 76.32 202 P P 18 36 00.2 0.0
GERES GERES Array B 76.68 336 P P 18 36 02.4 +0.2

IDC 20 18:24:30.9i,1.5,25.705x178.69W,h338km,14km,
mb3.8/11,mb1.4/0.12,mb1mx3.6/5.5,mbtmp4.5/12,Error
ellipse: s-maj=20.9km s-min=16.7km az=26.0
NEIC 20 18:24:31.3i,2.2,25.815x178.60W,h354km,4km,6.8/4.8,
Error ellipse: s-maj=14.9km s-min=12.3km az=163.0

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Rows include RAOU, RAO, GLKZ, NIUE, MZX, WNGZ, HAZ, HAZK, PKGZ, PUKETI, RUGZ, TWGZ, WNGZ, MWZ, URZ, URZ.

3.3nm,0.3s,baz=81,slow=22,SNR=22
URZ Urewera 12.86 195 eP P 18 27 21.3 -0.7
URZ Urewera 12.86 195 eS P 18 29 45.9 +2.2

URZ Urewera 12.86 195 eP S 18 27 21.3 -0.7
URZ Urewera 12.86 195 eS S 18 29 45.9 +2.2
TKGZ Te Karaka 12.87 193 eP S 18 27 21.3 -0.7

MARNC Mare, Loyalty 12.99 287 eP Pn 18 27 25.8 +1.4
RAGZ Rawiri 13.01 194 eP S 18 27 25.1 +1.3
RAGZ Rawiri 13.01 194 eS P 18 29 42.3 -4.8

PINNC Pines Island, 13.12 281 eP Pn 18 27 29.5 +3.6
RIGZ Rimuhau 13.14 193 eP P 18 27 25.3 +0.1
MUGZ Murupara 13.15 196 eP P 18 27 24.6 -0.6

RTZ Ruatahunu 13.23 195 eP P 18 27 26.2 0.0
ALRZ Allen Road 13.34 197 eP Pn 18 27 29.9 +1.6
RAHZ Arahī 13.38 194 eP P 18 27 29.4 +0.4

NMHZ Naumai 13.72 195 eP P 18 27 32.4 +0.8
HIZ Hauri 13.74 202 eP Pn 18 27 37.0 +3.9
BKZ Black Stump Fm 13.87 196 eP S 18 27 31.8 -1.4

BKZ Black Stump Fm 13.87 196 eS P 18 30 01.7 -2.8
DZM Mont Dzumak 14.17 282 eP P 18 27 36.0 -0.8
BFZ Birch Farm 15.36 195 eP P 18 27 49.0 -0.5

SNZO South Karori 16.35 198 eP P 18 28 01.0 +0.8
THZ Tophouse 17.32 202 eP P 18 28 09.2 -1.5
KHZ Huterea 17.71 199 eP P 18 28 13.5 -1.3

LTZ Lake Taylor 18.44 202 eP P 18 28 23.9 +1.3
OXZ Oxford 19.00 201 eP P 18 28 29.4 +0.9
CRLZ Canterbury Las 19.04 200 eP P 18 28 32.6 +3.7

MQZ McQueen's Vall 19.15 200 eP P 18 28 31.3 +1.2
RPZ Rata Peaks 19.68 203 eP P 18 28 36.5 +0.8
FOZ Fox Glacier 19.97 205 eP P 18 28 38.5 -0.1

LBZ Lake Benmore 20.57 203 eP P 18 28 43.9 -0.5
WKZ Wanaka 21.38 205 eP P 18 28 57.4 0.0
MLZ Mavora Lakes 22.17 205 eP P 18 28 57.0 -1.5

DCZ Deep Cove 22.64 207 eP P 18 29 03.4 +0.3
WHZ Wether Hill Ro 22.68 205 eP P 18 29 03.3 -0.2
PYZ Puysegur Point 23.40 206 eP P 18 29 10.7 +0.7

HNR Honiara 26.10 305 eP P 18 29 34.8 +0.3
ARMA Armidale 26.58 253 eP P 18 29 41.3 +2.5
EIDS Eidsvold 27.30 264 eP P 18 29 45.8 +0.7

PPT Papeete 28.17 79 eP P 18 29 53.0 0.0
CAN Canberra 29.31 249 eP P 18 30 06.2 +3.4
TOO Toolangi 32.49 240 eP P 18 30 32.9 +2.4

TAU Tasmania Unive 32.56 230 eP P 18 30 32.0 +1.1
CTA Charters Tower 32.78 273 P 18 30 33.6 +0.4
CTAO Charters Tower 32.78 273 P 18 30 33.4 +0.2

STKA Stephens Creek 35.20 251 P 18 30 54.8 +0.8
STKA Stephens Creek 35.20 251 P 18 30 54.8 +1.2
RABL Rabaul 35.34 303 eP P 18 30 53.6 -1.5

PMG Port Moresby 36.34 291 eP P 18 31 03.4 0.0
COEN Coen 37.69 281 eP P 18 31 14.6 -0.2
BBOO Buckleboo 39.87 249 eP P 18 31 32.2 -0.3

AS01 Alice Springs 42.94 262 eP P 18 31 56.7 -0.6
AS31 Alice Springs 42.98 262 eP P 18 31 57.3 -0.3
ASAR Alice Springs 42.98 262 P 18 31 57.1 -0.6

WB2 Warramunga Arr 43.54 268 eP P 18 32 00.9 -1.2
WB2 Warramunga Arr 43.54 268 eP P 18 32 01.1 -1.0
WRAB Tennant Creek 43.54 268 eP P 18 32 01.0 -1.1

WR1 Warramunga Arr 43.55 268 eP P 18 32 01.1 -1.1
WRA Warramunga Arr 43.55 268 P 18 32 01.1 -1.1
FORT Forrest 46.83 251 eP P 18 32 27.1 -0.4

MTN Mantles Dam 48.87 275 eP P 18 32 42.4 -0.8
FITZ Fitzroy Crossi 51.95 267 eP P 18 33 05.7 -0.3
FAKI Fak Fak 52.36 288 eP P 18 33 09.1 0.0

PSA00 Pilbara Seismi 56.06 261 eP P 18 33 34.5 -0.9
SOEI Soe 56.26 276 eP P 18 33 36.9 -0.3
MBWA Marble Bar 56.28 261 eP P 18 33 36.2 -0.8

BATI Baunata 56.63 275 P 18 33 39.8 +0.2
MORW Morawa 57.39 251 eP P 18 33 43.4 -1.3
MMRI Maurele 58.56 276 eP P 18 33 50.8 -2.1

GIRL Giralda 60.70 257 eP P 18 34 06.4 -0.8
QSPA South Pole Qui 64.21 180 P 18 34 31.9 +2.2

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QSPA South Pole Qui 64.21 180 eP P 18 34 31.1 +1.4
JAGI Jagaj, Banyuwa 65.89 272 eP P 18 34 40.0 -1.1
MJAR Matsushiro Arr 74.23 325 P 18 35 30.8 -0.1

MAJO Matsushiro 74.23 325 eP P 18 35 30.8 -0.1
MAW Mawson 76.33 200 P 18 35 44.0 +1.7
MAW Mawson 76.33 200 eP P 18 35 43.7 +1.4

SSLB Svalbard Array 76.52 305 eP P 18 35 44.5 +0.4
KSRS Korea Arrang 80.56 320 P 18 36 04.8 -0.8
KS01 Keokung Arr Si 80.60 320 eP P 18 36 04.9 -1.0

SNAAS Sanae 82.67 179 eP P 18 36 16.7 +0.5
SNAAS Sanae 82.67 179 eP P 18 36 16.1 -0.1
VNA3 Neumayer Olymp 82.83 176 P 18 36 17.0 0.0

USAO3 Ussuriysk Arra 83.10 327 eP P 18 36 16.1 -2.5
VNA2 Neumayer-Watz 83.26 177 P 18 36 20.1 +0.9
VNA1 Neumayer-Stat 83.49 177 P 18 36 17.1 -3.2

LTX Lajitias 90.43 57 eP P 18 36 54.0 -0.4
TXAR Lajitias Array 90.43 57 P 18 36 54.0 -0.4
CMAR Chating Mai Arr 91.38 290 eP P 18 36 59.5 +0.6

F1.4nm,0.8s,baz=151,slow=4.1,SNR=6.8
FINES FINES Array B 140.72 342 ePKPdf PKPdf 18 43 17.0 -2.3
FINES FINES Array B 140.72 342 PKP PKPdf 18 43 17.0 -2.3

AKSG Malin Array Be 147.31 327 ePKPbc PKPbc 18 43 32.0 +0.9
BR101 Keskinn Array S 149.75 305 ePKPbc PKPbc 18 43 39.1 -1.7
BRTR Keskinn Array B 149.75 305 ePKPbc PKPbc 18 43 39.1 -1.7

BRTR Keskinn Array B 149.75 305 ePKPbc PKPbc 18 43 39.1 -1.7
COLL Collm 153.10 344 ePKPab PKPab 18 44 01.0 +0.2
GERS GERES Array B 155.14 340 ePKPab PKPab 18 44 11.2 +1.4

TORD Torodi Arr. Bea 167.33 181 PKPab PKPab 18 45 04.1 +0.5
TOA1 Torodi Arr. Sit 167.33 181 ePKPab PKPab 18 45 04.1 +0.5
IDC 20 18:32:06.4-0.6,30.32N,103.09E,h0km,mb4.3/24,

mb1.4/3/25,mb1mx4.1/5.5,mbtmp4.2/25,ML3.6/1,MS3.1/3,
s-min1.3/1.3,ms1mx2.7/3.8,Error ellipse: s-maj=19.7km
M-1=12.1km az=53.0

NEIC 20 18:32:09.6i,1.2,30.36N,103.08E,h18km,3km,mb4.6/70,
Error ellipse: s-maj=13.7km s-min=12.1km az=72.0
MOS 20 18:32:10.0i,1.2,30.33N,103.09E,h33km,mb4.5/23,Error

ellipse: s-maj=8.8km s-min=5.5km az=105.3
BUI 20 18:32:10.0i,0.30,35N,103.01E,h19km,mb4.3/27,mb4.4/8,
ML4.0/20,MS4.0/29,MS7.3/32

ISC 20 18:32:08.9i,0.3,30.40N,103.03E,h10km,n189,
s=179/208,mb4.5/95,MS3.1/3,9C-3D,Sichuan
Code Station Name Az Op Phase ID Time Res

CD2 Chengdu 0.75 48i Op ISC h m s ISC
CD2 Kunming 18 32 25.8 +0.2
CD2 comp=N,8um,0.7s smax smax 18 32 37.6 +0.5

CD2 comp=E,4um,0.6s smax smax
GYA Guiyang 5.02 141 iPn Pn 18 33 26.0 +1.6
GYA GYA 18 33 38.3 +1.4

GYA Makanchi Array 18 34 23.6 +1.1
GYA GYA 18 34 41.0 +3.6
KMI Kunming 5.27 184 Pn Pn 18 33 29.1 +1.3

KMI KMI 18 34 30.1 +1.3
KMI comp=N,120nm,1.4s smax smax
KMI comp=E,120nm,0.6s LR LR 18 28 36.5 +0.8

KMI comp=E,2um,9.1s LR LR 18 28 38.5 -0.1
KMI comp=Z,730nm,10.6s LR LR 18 28 43.9 -0.5
KMI KMI 5.27 184 ePn Pn 18 33 28.0 +0.2

KMI Kunming 5.27 184 ePn Pn 18 33 28.0 +0.2
ENH Enshi 5.51 90 ePn Pn 18 33 32.2 +2.2
ENH Ensh 5.51 90 eSn Pn 18 34 34.4 -0.1

LZH Lanzhou 5.70 6 Pn Pn 18 33 36.8 +3.1
LZH LZH 18 35 16.3 +4.3
LZH comp=N,98nm,1.5s smax smax

LZH comp=E,91nm,1.3s LR LR 18 29 34.8 +0.3
LZH comp=N,1um,7.6s LR LR 18 29 41.3 +2.5
LZH comp=E,2um,8.9s LR LR 18 29 45.8 +0.7

XAN Xi'an 6.12 52 Pn Pn 18 33 41.5 +2.2
XAN XAN 18 34 49.3 -0.1
XAN XAN 18 35 26.0 +0.8

XAN comp=N,290nm,1.1s smax smax
XAN comp=E,250nm,1.0s LR LR 18 33 41.2 +1.9
XAN Xi'an 6.12 52 ePn Pn 18 34 48.0 -1.4

XAN Xi'an 6.12 52 ePn Pn 18 33 41.2 +1.9
XAN Xi'an 6.12 52 ePn Pn 18 34 48.0 -1.4
SLVN Son La 9.06 175 ePn Pn 18 34 19.1 -0.6

GTA Gaotai 9.39 344 pP Pn 18 34 34.3 +1.0
GTA GTA 18 34 40.8
GTA comp=Z,2.0nm,1.3s pmax pmax

GTA comp=Z,23nm,4.0s pmax pmax
GTA comp=N,3.0nm,1.2s smax smax
GTA comp=E,4.0nm,1.8s LR LR 18 33 41.2 +1.9

GTA comp=N,240nm,10.8s LR LR 18 33 41.2 +1.9
GTA comp=E,430nm,12.4s LR LR 18 34 19.1 -0.6
GTA comp=Z,340nm,12.4s LR LR 18 34 32.8 +4.3

WHN Wuhan 9.70 86 iP Pn 18 34 32.8 +4.3
WHN WHN 18 34 38.0
WHN comp=Z,1um,12.0s LR LR 18 34 38.0

WHN comp=Z,1um,7.0s LR LR 18 34 38.0
WHN comp=Z,1um,10.4s LR LR 18 34 38.0
LSA Lhasa 10.39 269 Pn Pn 18 34 39.9 +1.6

LSA Lhasa 10.39 269 ePn Pn 18 34 39.9 +1.6
SHL Shillong 11.03 247 ePn Pn 18 34 46.4 -0.4
SHL Shillong 11.03 247 ePn Pn 18 34 46.4 -0.4

CM31 Chiang Mai Arr 12.48 199 ePn Pn 18 35 07.9 +1.3
CMAR Chiang Mai Arr 12.48 199 Pn Pn 18 35 07.9 +1.3
CMAR comp=Z,0.1nm,0.3s,baz=13,slow=11,SNR=10 LR Lg 18 35 08.0

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BRDH Bariadhala 12.82 236 LR LR 18 40 13.0
QIZ Qiongzong 12.86 150 Pn Pn 18 35 12.6 +0.8
QIZ QIZ 18 37 35.5 +0.4

QIZ comp=Z,240nm,12.3s LR LR
QIZ comp=Z,260nm,16.2s LR LR
QIZ comp=Z,320nm,9.0s LR LR

SKNT Sakolnakhon 13.39 176 P P 18 35 30.5 +1.9
NJ2 Nanjing 13.57 79 eP S Pn 18 35 23.5 +2.1
NJ2 Nanjing 18 37 54.0 +1.6

NJ2 comp=Z,280nm,6.0s LR LR
NJ2 comp=Z,380nm,7.0s LR LR
NJ2 comp=Z,360nm,7.6s LR LR

CHAI Chaiyaphum 14.47 184 P P 18 35 41.6 +1.0
UHA Uthaitani 15.15 194 P P 18 35 48.5 +0.4
SRAK Srakaw 15.15 184 P P 18 35 48.4 +3.5

SRDT SRDT 16.39 194 P P 18 36 03.9 +2.0
SONA Songino Array 17.59 7 ePn Pn 18 36 13.1 -1.1
SONM Songino Array 17.59 7 Pn Pn 18 36 13.1 -1.1

ULN Ulaanbaatar 17.70 9 eP P 18 36 16.7 +0.3
ULN Ulaanbaatar 17.70 9 eP P 18 36 16.7 +0.3
ULN Ulaanbaatar 17.70 9 eP P 18 36 16.7 +0.3

WMQ Urumqi 18.14 322 eP sP 18 36 23.0 +1.8
WMQ Urumqi 18 36 32.0 +5.9
WMQ Urumqi 18 36 36.3 +1.2

WMQ comp=Z,13nm,0.9s LR LR
WMQ comp=Z,200nm,16.9s LR LR
WMQ comp=Z,130nm,19.9s LR LR

ZAK Zakamensk 19.96 0 eP Pmax 18 36 43.0 +0.2
MOY Mondy 21.30 356 eP Pmax 18 36 58.6 +2.9
MOY comp=Z,15nm,2.0s eP Pmax

KS15 Wonju Array Si 21.69 64 eP P 18 36 59.4 -0.4
KS01 Wonju Array Si 21.70 64 eP P 18 36 59.8 -0.2
KSRS Korea Arra 21.72 64 P P 18 37 01.1 +1.0

KSRS comp=Z,15nm,0.9s,baz=246,slow=9.6,SNR=26 LR LR 18 46 35.0
CN2 Changchun 22.19 47 eP Pmax 18 37 06.3 +1.2
DGZ Jazzator, Alta 22.62 333d iP Pmax 18 37 11.5 +1.6

PDGK Podgornoye 22.79 311 P Pmax 18 37 13.1 +1.4
MK01 Makanchi Array 22.95 321 eP P 18 37 12.7 -0.5
MK31 Makanchi Array 22.97 321 eP P 18 37 13.6 +0.2

MK31 Makanchi Array 22.97 321 eP Pmax 18 37 13.6 +0.2
MKAR Makanchi Array 22.97 321 eP P 18 37 13.9 +0.5
MKAR Makanchi Array 22.97 321 eP P 18 37 15.1 -0.2

MAKZ Makanchi 23.15 321 eP Pmax 18 37 15.1 -0.2
PRZ Przheval'sk 23.16 308 eP P 18 37 15.8 +0.2
TARG Taragay, Kyrgy 23.29 306 eP P 18 37 15.9 -1.3

KDJ Kajisay 23.86 306 eP P 18 37 22.2 -0.4
KDJ Kajisay 23.86 306 eP Pmax 18 37 22.2 -0.4
KSH Kashi 23.96 300 P sP 18 37 26.8 +3.4

KSH Kashi 18 37 41.1 +1.3
KSH Kashi 18 38 00.3 +8.6
KSH Kashi 18 41 39.0 -1.1

KSH comp=Z,42nm,1.5s LR LR
KSH comp=Z,260nm,5.3s LR LR
KSH comp=Z,320nm,5.1s LR LR

NRN Naryn 24.46 304 eP P 18 37 28.8 +0.5
NRN Naryn 24.46 304 eP Pmax 18 37 28.8 +0.5
KULM Kulim 25.09 186 eP P 18 37 32.8 -0.9

MDJ Mudanjianj 25.21 48 eP P 18 37 35.1 +0.4
NIL Nilore 25.48 285 eP P 18 37 36.9 -0.3
NIL Nilore 25.48 285 eP P 18 37 36.9 -0.3

IPM Ipol 25.86 185 eP P 18 37 38.3 -2.5
AAK Ala-Archa 25.91 306 P P 18 37 41.5 +0.3
AAK Ala-Archa 25.91 306 eP P 18 37 41.8 +0.6

AAK Ala-Archa 25.91 306 eP Pmax 18 37 41.8 +0.6
ZAAO Zalesovo Array 27.00 336 eP P 18 37 50.5 -0.2
ZALV Zalesovo Beam 27.00 336 P 18 37 50.9 +0.2

ZALV Zalesovo Beam 27.00 336 eP P 18 37 50.4 -0.3
KKM Kota Kinabalu 27.18 150 eP P 18 37 52.2 -0.6
KURBB Kurchatov Arra 27.30 325 P P 18 37 53.6 -0.2

KURBB comp=Z,1.5nm,0.7s,baz=131,slow=9.7,SNR=16 eP P 18 41 11.4 -1.4
KURK Kurchatov 27.31 325 eP P 18 37 51.9 -1.6
KURK Kurchatov 27.31 325 eP Pmax 18 37 52.7 -0.9

NVS Novosibirsk 28.27 335 eP P 18 38 03.4 +1.3
KLR Kul'dur 28.68 41 P P 18 38 05.8 0.0
KLR Kul'dur 28.68 41 iP P 18 50 39.7

KLR comp=Z,44nm,18.3s,baz=200,slow=8 LR LR 18 38 06.5 +0.7
KK31 Karatay Array 28.84 305 eP P 18 38 07.3 -0.1
KK31 Karatay Array 28.84 305 eP P 18 38 07.3 -0.1

KKAR Karatay Array 28.84 305 eP Pmax 18 38 07.2 -0.2
KKAR Karatay Array 28.84 305 eP Pmax 18 38 07.2 -0.2
OTUY Ortuy 29.46 316 P P 18 38 13.2 +0.4



20d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like LCO, CFA, G003, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like PAU, PAUZ, ALID, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like PAVA, SNET, LBRS, etc.

ADC 20:19:45.1±0.8, 50.070N:157.52E, h0km, mb3.7/15, mb1.4/0.15, mb1mx3.8/39, mbtmp3.7/15, MS2.9/1, Ms1.2/9.1, ms1mx2.4/44, Error ellipse: s-maj=23.4km s-min=16.4km az=156.0

ADC 20:19:47.1±10.0, 49.95N:157.95E, h46km, mb4.1MLL.4 MOS 20:19:49.3±1.0, 49.98N:157.66E, h50km, mb4.1, Error ellipse: s-maj=15.8km s-min=4.5km az=85.3

SKHL 20:19:49.6±0.4, 49.87N:157.64E, h74km, mb3.9, mb5.0/2, ISC 20:19:49.7±0.7, 49.90N:157.79E, h0km, mb3.6, h36km, 2km, n78, r1929/94, mb3.7/16, 1C, East of Kuril Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like UCR, NEIC, NEIC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like WRA, TXAR, GERS, etc.





Table with columns: NR/K, Station Name, Az, El, P, S, Time, Res. Includes stations like Noril'sk, Arti, Tiksi, Seymchan, Kiv, etc.

IDC 20:20:03:16.3:1.7, 11.60Sx164.84E, h0km, mb3.6/4, mb1 3.8/5, mb1mx3.5/35, mbtmsp3.6/5, ML3.4/1, Error ellipse: s-maj=48.3km s-min=30.1km az=116.0, Santa Cruz Islands region

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

PRU 20:20:06:59.0:0.51, 55N, 16.11E, h0km, VIE 20:20:07:03.7:0.9, 51.25N, 16.11E, h0km, mb2.0/3, ml2.6/5, Error ellipse: s-maj=8.4km s-min=6.6km az=74.0, Suspected Mining induced.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like DPC, KSP, UPC, etc.

Table with columns: DPC, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like Panska Ves, Kraliky, BRG, etc.

KRNET 20:13:20.0:0.1, 39.64N, 73.27E, h19km, mb3.9, IDC 20:13:21.2:1.1, 39.63N, 73.30E, h0km, mb3.4/5, mb1 3.4/10, mb1mx3.3/4, mbtmsp3.3/10, ML3.0/5, MS3.4/1, Ms1 3.4/1, ms1mx2.5/40, Error ellipse: s-maj=29.3km s-min=15.7km az=131.0, NNC 20:20:13:23.9:1.4, 39.83N, 73.19E, h0km, mb3.9, mpv3.8, Error ellipse: s-maj=12.4km s-min=6.2km az=170.0, SOME 20:20:13:33.1, 40.13N, 73.45E, h5km, ISC 20:20:13:21.5:0.8, 39.57N, 73.31E, 0.02, h10km, n77, 2555/18, mb3.5/5, 43C-20D, Tajikistan-Xinjiang border

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like DRK, ARS, BTK, ARL, etc.

Table with columns: TAS, Station Name, Az, El, Op, Phase, ID, Time, Res. Includes stations like Tashkent, Karatay, IUG, etc.







20d 20h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like BVAR, BRVK, TPI, JNKB, YSS, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like KBZ, KVAR, KIV, VRRH, MTN, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like CFR, TLB, HARR, etc.

UPC	Upeice	65.41 315 eP	P	21 04 26.4 +0.5
UPC	AMS		AMS	21 34 10.0
VRAC	Vranov	65.43 314 P	P	21 04 26.9 +0.8
VRAC	Vranov	65.43 314 jP	P	21 04 26.5 +0.4
VRAC	Vranov	65.43 314 P	P	21 04 26.5 +0.4
ZST	Bratislava	65.47 313 eP	P	21 04 25.8 -0.5
KRUC	Moravsky	65.63 314 eP	P	21 04 27.7 +0.3
PDG	Podgorica	65.93 306 jP	P	21 04 28.7 -0.7
TTG	Podgorica	65.93 306 eP	P	21 04 28.9 -0.5
TTG	TTG	65.93 306 eP	P	21 04 28.9 -0.5
SOP	Sopron	65.98 312 eP	P	21 04 29.1 -0.5
TREC	Trest	66.12 314 eP	P	21 04 31.2 +0.7
TREC	Trest	66.12 314 eP	P	21 04 31.2 +0.7
PVCC	Panska Ves	66.27 316 eP	P	21 04 32.0 +0.6
PVCC	AMS		AMS	21 34 40.0
CONA	Conrad Observa	66.34 313 eP	P	21 04 32.4 +0.3
GOPC	GO Pecny, Ondr	66.34 315 eP	P	21 04 32.3 +0.3
GOPC	GO Pecny, Ondr	66.34 315 eP	P	21 04 32.3 +0.3
PRU	Pruhonice	66.47 315 eP	P	21 04 33.1 +0.4
PRU	AMS		AMS	21 34 50.0
BRG	Bergjesshubel	66.53 316 eP	P	21 04 33.1 0.0
BRG	Bergjesshubel	66.53 316 eP	P	21 04 33.1 0.0
ARSA	Arzberg	66.79 312 eP	P	21 04 34.4 -0.5
CLL	Collm	66.94 317 eP	P	21 04 35.9 +0.2
CLL	Collm	66.94 317 iP	P	21 04 35.6 -0.1
CLL	Collm		MLV	21 35 00.0
CLL	Collm	66.94 317 iP	P	21 04 35.6 -0.1
CLL	AMS		AMS	21 35 20.0
PERS	Pernice	67.26 312 eP	P	21 04 37.9 0.0
SOKA	Soboth	67.30 312 eP	P	21 04 38.1 -0.1
DAG	Danmarks Havn	67.33 348 iP	P	21 04 36.9 -0.8
DAG	Danmarks Havn	67.33 348 iP	P	21 04 36.9 -0.8
KHC	Kasperske Hory	67.35 315 eP	P	21 04 38.4 0.0
KHC	Kasperske Hory	67.35 315 eP	P	21 04 38.4 0.0
KHC	Kasperske Hory	67.35 315 eP	P	21 04 38.3 -0.1
KHC	Kasperske Hory	67.35 315 eP	P	21 04 45.1
KHC	AMS		AMS	21 35 20.0
MOA	Molin	67.38 313 eP	P	21 04 38.6 +0.1
GE2	GERESS Array S	67.38 314 eP	P	21 04 38.8 +0.1
GE2	GERESS Array S	67.38 314 eP	P	21 04 38.8 +0.1
GERES	GERESS Array B	67.38 314 P	P	21 04 38.8 +0.1
GERES	AMS		AMS	21 35 59.7
GEAO	GERESS Array S	67.38 314 eP	P	21 04 38.8 +0.2
HNR	Honiar	67.46 116 LR	LR	21 31 11.3
BOJS	Bojanci	67.57 311 eP	P	21 04 40.0 +0.2
VISS	Visnje	67.74 311 iP	P	21 04 40.7 -0.1
TOLK	Toolik Lake Re	68.04 22 eP	P	21 04 43.1 +0.7
TOLK	Toolik Lake Re	68.04 22 P	P	21 04 43.1 +0.7
JAVS	Javornik	68.21 311 iP	P	21 04 43.6 -0.3
KBA	Koelnbreinsper	68.24 313 iP	P	21 04 43.5 -0.7
COLD	Coldfoot	68.48 24 eP	P	21 04 45.9 +0.7
RER	Riviere de l'E	68.51 227 eP	P	21 04 45.5 -0.6
SDPT	Sand Point	69.05 37 eP	P	21 04 49.0 +0.1
SVW2	Sparrevohn	69.07 31 eP	P	21 04 49.6 +0.7
WATA	Walderalm	69.26 313 iP	P	21 04 50.4 -0.1
CAST	Castle Rocks	69.52 28 eP	P	21 04 52.4 +0.7
SQTA	Sankt Quirin	69.53 313 eP	P	21 04 51.7 -0.5
MOTA	Moosalm	69.55 314 eP	P	21 04 51.6 -0.7
BPWA	Bear Paw Mtn	69.64 27 eP	P	21 04 53.0 +0.6
PPLA	Purkeypile	69.71 28 eP	P	21 04 53.8 +0.7
KMBO	Kilima Mbo	69.85 256 P	P	21 04 53.8 -0.9
KMBO	Kilima Mbo	69.85 256 P	P	21 04 54.0 -0.8
KMBO	Kilima Mbo	69.85 256 P	P	21 04 54.0 -0.8
KMBO	Kilima Mbo	69.85 256 P	P	21 04 54.0 -0.8
FETA	Feichten	69.91 313 eP	P	21 04 54.1 -0.5
BWN	Browne	70.19 26 eP	P	21 04 56.8 +1.1
BBFO	Buckleboo	70.22 151 eP	P	21 04 55.8 -0.5
TROF	Thorofare Moun	70.22 27 eP	P	21 04 56.3 +0.1
MDM	Murphy Dome	70.27 25 eP	P	21 04 56.7 +0.4
FUORN	Otenpass-Fuorn	70.36 313 eP	P	21 04 57.2 -0.3
TCOL	CIGO, UAF Yank	70.45 25 P	P	21 04 57.7 +0.4
COLA	College	70.45 25 eP	P	21 04 57.8 +0.5
COLA	College	70.45 25 eP	P	21 04 57.8 +0.5
PYKR	Poker Flat Res	70.48 25 P	P	21 04 58.4 +0.8
FOKI	Fort Yukon	70.51 23 eP	P	21 04 58.5 +0.8
DAVOS	Davos/Dischmat	70.54 313 P	P	21 04 58.2 -0.3
WRH	Wood River Hill	70.57 26 eP	P	21 04 58.2 +0.2
CCB	Clear Creek Bu	70.58 26 eP	P	21 04 58.1 0.0
RSO	Redoubt South	70.59 31 eP	P	21 04 59.5 +0.9
MCK	McKinley	70.61 27 eP	P	21 04 58.6 +0.3
MCK	McKinley	70.61 27 eP	P	21 04 58.7 +0.3
RND	Reindeer	70.80 27 eP	P	21 04 59.5 -0.1
RND	Reindeer	70.80 27 eP	P	21 04 59.5 -0.1
IL1	Eielson Array	70.86 25 eP	P	21 04 59.2 -0.6
ILAR	Eielson Array	70.86 25 eP	P	21 04 59.2 -0.7
ILB	Eielson Array	70.86 25 eP	P	21 04 59.4 -0.5

BFO	Black Forest	70.87 315 iP	P	21 05 00.8 +0.6
PRP	Porcupine Dome	70.97 24 eP	P	21 05 01.0 +0.4
SUA	Susitna One	70.98 29 eP	P	21 05 00.8 -0.1
TUE	Tuetina	71.00 313 eP	P	21 05 01.8 +0.5
HDA	Harding Lake	71.03 26 eP	P	21 05 00.5 -0.4
HDA	Harding Lake	71.03 26 P	P	21 05 00.3 -0.6
MEM	Membach	71.29 318 iP	P	21 05 02.4 -0.3
DHY	Denali Highway	71.55 27 eP	P	21 05 02.4 0.0
RC01	Rabbit Creek A	71.59 29 eP	P	21 05 04.4 +0.1
PMR	Palmer	71.60 29 eP	P	21 05 04.6 +0.3
PMR	Palmer	71.60 29 eP	P	21 05 04.6 +0.3
WLF	Wallerfange	71.61 317 eP	P	21 05 05.1 +0.5
WLF	Wallerfange	71.61 317 eP	P	21 05 05.1 +0.5
WLF	Wallerfange	71.61 317 jP	P	21 05 05.2 +0.6
BRLK	Bradley Lake	71.75 31 P	P	21 05 05.2 -0.1
BCLA	Clavier	71.78 318 iP	P	21 05 05.5 -0.1
SML	Sawmill	71.82 28 eP	P	21 05 06.2 +0.5
OHAK	Old Harbor	71.86 34 eP	P	21 05 06.4 -0.4
KDAK	Kodiak Island	71.92 33 P	P	21 05 06.5 +0.1
KDAK	Kodiak Island	71.92 33 P	P	21 05 06.7 +0.3
KDAK	Kodiak Island	71.92 33 eP	P	21 05 06.7 +0.3
STKA	Stephens Creek	71.93 146 P	P	21 05 06.3 -0.4
STKA	Stephens Creek	71.93 146 eP	P	21 05 05.9 -0.8
STKA	Stephens Creek	71.93 146 eP	P	21 05 05.9 -0.8
KNK	Knik Glacier	71.97 29 eP	P	21 05 06.8 +0.2
RIDS	Ridgeway	72.02 135 eP	P	21 05 07.2 -0.3
EIDS	Independend R	72.17 26 eP	P	21 05 07.7 -0.1
SEW	Seaward	72.21 30 eP	P	21 05 07.9 -0.1
SCM	Sheep Creek Mo	72.21 28 eP	P	21 05 08.5 +0.3
SCM	Sheep Creek Mo	72.21 28 eP	P	21 05 08.5 +0.3
SENI	Lac Senin/Sane	72.33 314 eP	P	21 05 09.1 -0.2
PAX	Paxson	72.34 26 eP	P	21 05 09.2 +0.3
PAX	Paxson	72.34 26 eP	P	21 05 09.2 +0.3
PAX	Paxson	72.35 25 eP	P	21 05 09.0 0.0
DOT	Dot Lake	72.51 26 eP	P	21 05 10.0 +0.2
HARP	HARP	72.77 27 eP	P	21 05 12.3 +0.9
EGAK	Eagle	72.91 24 eP	P	21 05 11.5 -0.6
KLU	Klutina	72.96 28 eP	P	21 05 13.3 +0.6
MENT	Mentasta	73.03 26 eP	P	21 05 13.3 +0.4
LPL	La Plagne	73.06 313 eP	P	21 05 13.3 -0.4
INK	Inuvik	73.12 19 P	P	21 05 13.7 +0.4
INK	Inuvik	73.12 19 eP	P	21 05 13.5 +0.2
INK	Inuvik	73.12 19 eP	P	21 05 13.5 +0.2
INK	Inuvik	73.12 19 eP	P	21 05 13.5 +0.2
TULE	Thule	73.19 358 eP	P	21 05 13.8 +0.2
DIV	Divide	73.22 28 eP	P	21 05 14.1 0.0
EPYK	Eagle Plains	73.42 21 P	P	21 05 15.1 0.0
EYAK	Cordova Ski Ar	73.55 29 eP	P	21 05 16.3 +0.3
SUMG	Summit	73.95 349 eP	P	21 05 18.4 -0.2
SUMG	Summit	73.95 349 iP	P	21 05 18.7 +0.1
SUMG	Summit	73.95 349 eP	P	21 05 18.4 -0.2
DAWY	Dawson	73.95 24 eP	P	21 05 18.6 +0.2
HMT	Hamilton	74.28 28 eP	P	21 05 20.6 +0.3
SMF	Signal de Mont	74.34 315 eP	P	21 05 19.9 -1.0
KULLO	Kullorsuaq	74.48 355 iP	P	21 05 21.8 +0.7
KULLO	Kullorsuaq	74.48 355 iP	P	21 05 21.8 +0.7
RES	Resolute Bay	74.51 5 eP	P	21 05 22.1 +0.8
RES	Resolute Bay	74.51 5 eP	P	21 05 21.9 +0.6
RES	Resolute Bay	74.51 5 eP	P	21 05 21.9 +0.6
TGL	Tana Glacier	74.62 28 eP	P	21 05 23.0 +0.6
BALM	Baldy	74.65 27 eP	P	21 05 23.1 +0.5
BALM	Baldy	74.65 27 eP	P	21 05 23.1 +0.5
PCA	Pinnacle	74.67 27 eP	P	21 05 30.9 +0.4
CAF	Calviac	76.25 314 eP	P	21 05 31.6 -0.4
HYT	Haines Junction	76.66 26 eP	P	21 05 34.6 +0.6
MFF	Saint Martin d	76.77 316 eP	P	21 05 34.2 -0.6
WHY	Whiteseer	77.75 25 eP	P	21 05 40.4 +0.2
SKAG	Skagway	78.37 26 eP	P	21 05 43.7 +0.3
TOO	Toolangi	78.42 147 eP	P	21 05 43.9 -0.1
TOO	Toolangi	78.42 147 eP	P	21 05 43.9 -0.1
DZM	Mont Dzumac	80.18 123 eP	P	21 05 53.6 -0.4
SFJD	Kangerlussuaq	80.87 350 eP	P	21 05 56.9 0.0
SFJD	Kangerlussuaq	80.87 350 iP	P	21 05 56.9 0.0
DLBC	Dease Lake	81.07 25 P	P	21 05 58.9 +0.6
DLBC	Dease Lake	81.07 25 eP	P	21 05 58.6 +0.3
YKW3	Yellowknife Ar	82.57 17 eP	P	21 06 06.0 +0.1
YKA	Yellowknife Ar	82.63 17 P	P	21 06 06.6 +0.4

YKBS	Yellowknife Ar	82.63 17 eP	P	21 06 06.2 0.0
ES06	SONSECA Array	82.80 312 eP	P	21 06 07.5 -0.2
ECC	Sonsetca Array	82.80 312 eP	P	21 06 07.3 -0.1
FCC	Fort Churchill	90.03 9 eP	P	21 06 42.8 +0.1
FCC	Fort Churchill	90.03 9 eP	P	21 06 42.8 +0.1
LLBL	Lillooet	90.10 27 eP	P	21 06 44.1 +0.9
B05A	Bryant	91.87 28 P	P	21 06 52.0 +0.6
FFC	Flin Flon	92.52 14 eP	P	21 06 54.4 0.0
FFC	Flin Flon	92.52 14 eP	P	21 06 54.4 0.0
B08A	Colville Reser	92.90 27 eP	P	21 06 56.8 +0.5
TOA1	Torodi Ar. Sit	92.96 287 eP	P	21 06 55.9 -1.2
TORD	Torodi Ar. Bea	92.96 287 P	P	21 06 55.9 -1.2
TORD	Torodi Ar. Bea	92.96 287 P	P	21 06 55.9 -1.2
NEW	Newport	93.82 26 eP	P	21 06 59.3 -1.2
NEW	Newport	93.82 26 eP	P	21 07 00.7 +0.2
NEW	Newport	93.82 26 eP	P	21 07 00.7 +0.2
NEW	Newport	93.82 26 eP	P	21 07 00.8 +0.3
E07A	Sunnyside	94.15 28 eP	P	21 07 02.2 +0.2
BOSA	Bosof	94.54 240 P	P	21 07 01.9 -2.2
BOSA	Bosof	94.54 240 P	P	21 07 01.9 -2.2
MSO	Missoula	96.19 25 P	P	21 07 11.8 +0.4
ULM	Lac du Bonnet	97.97 12 LR	LR	21 56 54.0
RLMT	Red Lodge	99.29 23 P	P	21 07 27.1 +1.5
RSSD	Black Hills	101.81 20 P	P	21 07 37.2 +0.3
SYO	Syowa Base	109.30 200j eP	P	21 08 12.4 +3.4
TX31	Lajitas Ar. Si	115.37 26 ePKP	P	21 12 24.9 -0.6
LTX	Lajitas	115.37 26 ePKP	P	21 12 25.6 +0.1
TXAR	Lajitas Array	115.37 26 PKP	P	21 12 25.6 +0.1
TXAR	Lajitas Array	115.37 26 PKP	P	21 12 25.6 +0.1
JCT	Junction City	115.67 22 ePKP	P	21 12 25.3 -0.7
JCT	Junction City	115.67 22 ePKP	P	21 12 25.3 -0.7
SNA	Sanae	123.53 201 PKP	P	21 12 38.3 -1.4
VNA2	Neumayer-Watz	125.08 202 PKP	P	21 12 42.2 -0.4
VNA1	Neumayer-Olymp	125.21 202 PKP	P	21 12 38.9 -4.3
VNA3	Neumayer-Olymp	125.21 202 PKP	P	21 12 43.2 -0.8
CMIG	Matias Romero	129.73 22 PKP	P	21 12 53.2 0.0
SDV	Santo Domingo	140.47 350 PKP	P	21 13 06.8
SDV	Santo Domingo	140.47 350 ePKP	P	21 13 05.4
SDV	Santo Domingo	140.47 350 eP	P	21 13 07.2
SDV	Santo Domingo	140.47 350 eP	P	21 13 07.2
PTBC	PUERTO BERRIO	143.19 356 eP	P	21 13 12.2 -1.5
PTBC	PUERTO BERRIO	143.19 356 eP	P	21 13 12.2 -1.5
HELC	Santa Helena	143.59 358 eP	P	21 13 16.7 +0.1
HELC	Santa Helena	143.59 358 eP	P	21 13 16.7 +0.1
RUSC	La Rusia	143.72 353 eP	P	21 13 15.6 -









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

ROM 22:53:46.4, 0.1, 43.457N, 0.0003, 12.300E, 0.005, h8km, ML1.0/7, Error ellipse: s-maj=0.4km s-min=0.1km az=54.0, Central Italy

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

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

IDC 20:22:55:47.9, 1.0, 0.51S, 121.59E, h0km, mb3.5/7, mb1 3.6/7, mb1mx3.5/59, mbtmp3.5/7, Error ellipse: s-maj=108.6km s-min=19.2km az=60.0, DJA 20:22:55:51.4, 0.7, 1.52, 121.1E, h14km, 5km, M3.9/10, MLV3.9/10

ISC 20:22:55:50.2, 0.7, 1.00S, 0.04, 120.61E, 0.05, h10km, n17, e174/23, mb3.6/7, Sulawesi

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

IDC 20:23:02:57.9, 1.3, 30.08N, 102.92E, h0km, mb3.2/4, mb1 3.4/5, mb1mx3.2/46, mbtmp3.2/5, ML3.0/1, Error ellipse: s-maj=70.8km s-min=22.5km az=60.0, Sichuan

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

NIED 20:23:09:00, 22.10N, 121.60E, h5km, Mw4.3 Best double couple: M=3.70000, 1015 N1=86.00000, 843.00000, lambda=89.00000, NP2=265.00000, 847.00000, lambda=91.00000

IDC 20:23:09:36.3, 0.5, 21.80N, 121.52E, h0km, mb4.1/24, mb1 4.2/26, mb1mx4.2/39, mbtmp4.1/26, ML3.6/2, MS3.3/3, Ms1 3.4/3, ms1mx3.0/37, Error ellipse: s-maj=16.8km s-min=11.8km az=68.0

NEIC 20:23:09:38.7, 0.2, 21.90N, 121.52E, h10km, mb4.5/37, Error ellipse: s-maj=5.8km s-min=4.2km az=88.0

NEIC Recorded [4 TAP] in Taitung and [1 TAP] in Pingtung. ASIES 20:23:09:39.3, 21.99N, 121.46E, h26km, MW4.1

JMA 20:23:09:39.3, 0.3, 22.10N, 121.60E, h10km, M4.7 TAP 20:23:09:39.6, 21.99N, 121.44E, h15km, ML4.4/3, BUI 20:23:09:42.6, 22.27N, 121.20E, h10km, mb4.3/19, mb4.4/13, ML4.0/1, Ms4.0/13, Ms7.3/13

ISC 20:23:09:39.8, 0.8, 21.35N, 103.121E, 0.03, h17km, 4km, n256, e1943/285, mb4.4/68, 11C-13D, Taiwan region

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

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

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like NSK, TWE, JYNG, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CMAR, MPST, APSI, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like KHZ, DRGR, NC403, etc.

MJAR	comp=Z,622nm,21.7s,baz=265,slow=37	LR	LR	23 28 21.2					
<b>OZH</b>	<b>Qanzhou</b>	<b>11.47 208</b>	eP	<b>Pn</b>	<b>23 24 15.3 +1.4</b>				
OZH			S	<b>Sn</b>	<b>23 26 25.6 +3.5</b>				
OZH	comp=N,7um,11.3s		LR	LR					
OZH	comp=E,11um,11.0s		LR	LR					
OZH	comp=Z,2um,7.7s		LR	LR					
<b>HHC</b>	<b>Hu-ho-hao-te</b>	<b>11.62 303</b>	eP	<b>Pn</b>	<b>23 24 19.1 +3.2</b>				
HHC			S	<b>Sn</b>	<b>23 26 29.9 +4.2</b>				
HHC			S	<b>S</b>	<b>23 26 37.8</b>				
HHC	comp=Z,16nm,0.9s		pmx	pmx					
HHC	comp=Z,100nm,6.0s		pmx	pmx					
HHC	comp=Z,2um,13.8s		LR	LR					
<b>BTO</b>	<b>Baotou</b>	<b>12.61 299</b>	eP	<b>Pn</b>	<b>23 24 19.0 -1.0</b>				
BTO			S	<b>Sn</b>	<b>23 24 33.3 +0.2</b>				
XAN	<b>Xi'an</b>	<b>12.88 269</b>	P	<b>Pn</b>	<b>23 24 35.1 +2.0</b>				
XAN			S	<b>Sn</b>	<b>23 26 56.6 0.0</b>				
XAN	comp=N,3um,14.1s		LR	LR					
XAN	comp=E,2um,16.3s		LR	LR					
<b>XAN</b>	<b>Xi'an</b>	<b>12.88 269</b>	ePn	<b>Pn</b>	<b>23 24 33.3 +0.2</b>				
<b>XAN</b>	<b>Xi'an</b>	<b>12.88 269</b>	eP	<b>Pn</b>	<b>23 24 33.3 +0.2</b>				
<b>HIA</b>	<b>Hailar</b>	<b>14.43 347</b>	iP	<b>Pn</b>	<b>23 24 53.7 -0.5</b>				
<b>KLR</b>	<b>Kul'dur</b>	<b>14.95 19</b>	Pn	<b>Pn</b>	<b>23 25 01.6 +0.3</b>				
KLR	0.2nm,0.3s,baz=222,slow=15,SNR=7.0		Lg	Lg	23 29 20.3				
KLR	0.5nm,0.3s,baz=288,slow=20,SNR=7.7		LR	LR	23 30 51.3				
KLR	comp=Z,762nm,18.6s,baz=203,slow=38		Pn	<b>Pn</b>	<b>23 25 00.7 -0.6</b>				
<b>ERM</b>	<b>Erimo</b>	<b>16.06 60</b>	ePn	<b>Pn</b>	<b>23 25 15.1 -0.6</b>				
ERM	213nm,1.5s		pmx	pmx					
<b>ERM</b>	<b>Erimo</b>	<b>16.06 60</b>	eP	<b>Pn</b>	<b>23 25 15.1 -0.6</b>				
ERM	comp=Z,213nm,1.5s		pmx	pmx					
<b>ASAJ</b>	<b>Asahikawa</b>	<b>16.48 52</b>	Pn	<b>Pn</b>	<b>23 25 21.7 +0.5</b>				
ASAJ	comp=Z,1.7nm,0.3s,baz=229,slow=15,SNR=21		LR	LR	23 30 48.3				
ASAJ	comp=Z,538nm,19.4s,baz=219,slow=34		LR	LR	23 30 48.3				
<b>LZH</b>	<b>Lanzhou</b>	<b>16.80 279</b>	eP	<b>Pn</b>	<b>23 25 27.0 +1.5</b>				
LZH			pP	<b>pP</b>	<b>23 25 32.3 +1.6</b>				
LZH			sP	<b>sP</b>	<b>23 25 34.3 +2.6</b>				
LZH			S	<b>Sn</b>	<b>23 28 31.4 -0.8</b>				
LZH			S	<b>S</b>	<b>23 28 38.3 -4.8</b>				
LZH	comp=Z,84nm,1.4s		pmx	pmx					
LZH	comp=Z,320nm,5.2s		pmx	pmx					
LZH	comp=Z,7um,14.1s		LR	LR					
LZH	comp=Z,3um,13.0s		LR	LR					
LZH	comp=Z,3um,15.2s		LR	LR					
<b>GVA</b>	<b>Gulyang</b>	<b>17.62 245</b>	P	<b>Pn</b>	<b>23 25 35.4 -0.3</b>				
GVA			PP	<b>PnPn</b>	<b>23 25 51.4 +5.3</b>				
GVA			S	<b>Sn</b>	<b>23 28 50.5 -1.6</b>				
GVA			SS	<b>SnSn</b>	<b>23 29 12.4 +6.9</b>				
GVA			pmx	pmx					
GVA	comp=Z,50nm,0.8s		pmx	pmx					
GVA	comp=Z,110nm,4.8s		LR	LR					
GVA	comp=Z,1um,13.9s		LR	LR					
GVA	comp=Z,2um,15.4s		LR	LR					
GVA	comp=Z,2um,15.8s		LR	LR					
<b>CD2</b>	<b>Chengdu</b>	<b>17.90 262</b>	P	<b>Pn</b>	<b>23 25 38.4 -0.7</b>				
CD2			sP	<b>sP</b>	<b>23 25 49.0 +5.2</b>				
CD2			S	<b>Sn</b>	<b>23 28 54.1 +1.2</b>				
CD2			SS	<b>S</b>	<b>23 29 00.0 +1.2</b>				
CD2			pmx	pmx	<b>23 29 13.5 +8.1</b>				
CD2	comp=Z,280nm,3.5s		LR	LR					
CD2	comp=Z,5um,13.2s		LR	LR					
CD2	comp=Z,3um,13.7s		LR	LR					
CD2	comp=Z,3um,14.8s		LR	LR					
<b>YSS</b>	<b>Yuzh-Sakhalins</b>	<b>18.01 44</b>	eP	<b>Pn</b>	<b>23 25 39.9 -0.3</b>				
<b>ULN</b>	<b>Ulaanbaatar</b>	<b>18.09 319</b>	ePn	<b>Pn</b>	<b>23 25 41.6 +0.2</b>				
<b>ULN</b>	<b>Ulaanbaatar</b>	<b>18.09 319</b>	eP	<b>Pn</b>	<b>23 25 41.8 +0.4</b>				
ULN	comp=Z,28nm,1.3s		pmx	pmx					
<b>SOMM</b>	<b>Songino Array</b>	<b>18.42 319</b>	P	<b>P</b>	<b>23 25 45.3 -0.2</b>				
SOMM	comp=Z,0.5nm,0.3s,baz=132,slow=11,SNR=65		Lg	Lg	23 31 15.2				
SOMM	baz=133,slow=33,SNR=3.1		LR	LR	23 33 13.0				
<b>ZEZ</b>	<b>Zeya</b>	<b>18.58 5</b>	eP	<b>P</b>	<b>23 25 47.8 +0.8</b>				
ZEZ	comp=N,35nm,1.0s		pmx	pmx					
ZEZ	comp=Z,41nm,1.0s		pmx	pmx					
ZEZ	comp=Z,2um,10.0s		MLR	MLR					
ZEZ	comp=N,2um,8.0s		MLR	MLR					
<b>YUK</b>	<b>Yuzh-Kuril'sk</b>	<b>18.61 55</b>	iP	<b>P</b>	<b>23 25 46.1 -1.2</b>				
<b>GTA</b>	<b>Gaotai</b>	<b>20.04 289</b>	iP	<b>P</b>	<b>23 26 03.9 +0.7</b>				
GTA			pP	<b>pP</b>	<b>23 26 07.1 +1.1</b>				
GTA			sP	<b>sP</b>	<b>23 26 09.8 +2.5</b>				
GTA			S	<b>S</b>	<b>23 29 49.0 +6.0</b>				
GTA			S	<b>S</b>	<b>23 29 56.4 +3.5</b>				
GTA	comp=N,250nm,5.7s		pmx	pmx					
GTA	comp=N,4um,16.2s		LR	LR					
GTA	comp=N,830nm,15.6s		LR	LR					
GTA	comp=N,1um,14.3s		LR	LR					
<b>KUR</b>	<b>Kuril'sk</b>	<b>20.37 54</b>	eP	<b>P</b>	<b>23 26 06.9 +0.3</b>				
KUR			S	<b>S</b>	<b>23 29 57.6 +2.8</b>				
KUR	comp=Z,43nm,0.7s		MLR	MLR					
KUR	comp=Z,359nm,11.0s		MLR	MLR					
<b>TYV</b>	<b>Tymovskoe</b>	<b>20.39 35</b>	eP	<b>P</b>	<b>23 26 06.3 -0.5</b>				
TYV	comp=E,298nm,12.0s		pmx	pmx					
TYV	comp=Z,11nm,1.0s		pmx	pmx					
<b>QIZ</b>	<b>Qiongzhong</b>	<b>20.72 223</b>	P	<b>P</b>	<b>23 26 11.0 +0.4</b>				
QIZ			S	<b>Sn</b>	<b>23 30 08.1 +1.2</b>				
QIZ	comp=Z,3um,13.7s		LR	LR					
QIZ	comp=Z,3um,13.2s		LR	LR					
QIZ	comp=Z,1um,11.3s		LR	LR					
<b>KMI</b>	<b>Kunming</b>	<b>21.30 248</b>	P	<b>P</b>	<b>23 26 17.0 -0.1</b>				
KMI			pP	<b>pP</b>	<b>23 26 22.9 +1.7</b>				
KMI			sP	<b>sP</b>	<b>23 26 25.9 +6.0</b>				
KMI			PP	<b>PnPn</b>	<b>23 26 44.3 +7.6</b>				
KMI			S	<b>S</b>	<b>23 30 14.3 +0.4</b>				
KMI	comp=Z,58nm,1.2s		pmx	pmx					
KMI	comp=Z,240nm,3.1s		LR	LR					
KMI	comp=Z,2um,14.2s		LR	LR					
KMI	comp=Z,800nm,16.7s		LR	LR					
KMI	comp=Z,940nm,17.3s		LR	LR					
<b>KMI</b>	<b>Kunming</b>	<b>21.30 248</b>	eP	<b>P</b>	<b>23 26 17.5 +0.4</b>				
KMI	comp=Z,51nm,0.8s		pmx	pmx					
<b>KMI</b>	<b>Kunming</b>	<b>21.30 248</b>	eP	<b>P</b>	<b>23 26 17.5 +0.4</b>				
KMI	comp=Z,51nm,0.8s		pmx	pmx					
<b>TGY</b>	<b>Tagaytay City</b>	<b>21.30 190</b>	LR	LR	23 34 49.6				
TGY	comp=Z,402nm,19.3s,baz=2.5,slow=38								

<b>ZAK</b>	<b>Zakamensk</b>	<b>21.58 321</b>	eP	<b>P</b>	<b>23 26 19.2 -0.6</b>				
ZAK	comp=Z,15nm,1.0s		pmx	pmx					
<b>TLY</b>	<b>Talaya</b>	<b>22.20 324</b>	eP	<b>P</b>	<b>23 26 26.2 -0.1</b>				
TLY	comp=Z,36nm,1.3s		pmx	pmx					
<b>TLY</b>	<b>Talaya</b>	<b>22.20 324</b>	eP	<b>P</b>	<b>23 26 26.3 -0.1</b>				
TLY	comp=Z,36nm,1.3s		pmx	pmx					
<b>IRK</b>	<b>Irkutsk</b>	<b>22.27 326</b>	eP	<b>P</b>	<b>23 26 26.2 -0.9</b>				
IRK	comp=Z,68nm,2.9s		pmx	pmx					
<b>MOY</b>	<b>Mondy</b>	<b>23.50 321</b>	eP	<b>P</b>	<b>23 26 38.9 -1.1</b>				
MOY	comp=Z,26nm,3.1s		pmx	pmx					
<b>BOD</b>	<b>Bodaibo</b>	<b>23.64 346</b>	eP	<b>P</b>	<b>23 26 40.1 -1.0</b>				
BOD	comp=Z,13nm,1.0s		pmx	pmx					
<b>YAK</b>	<b>Yakutsk</b>	<b>27.00 5</b>	eP	<b>P</b>	<b>23 27 09.7 -2.0</b>				
YAK			ePP	<b>sP</b>	<b>23 27 20.0 +4.0</b>				
YAK			e	<b>e</b>	<b>23 27 52.4</b>				
YAK			eS	<b>S</b>	<b>23 31 44.8 -4.1</b>				
YAK			pmx	pmx	<b>23 37 56.1</b>				
YAK	comp=N,109nm,1.1s		pmx	pmx					
YAK	comp=E,28nm,1.0s		pmx	pmx					
YAK	comp=Z,914nm,4.0s		pmx	pmx					
YAK	comp=E,416nm,3.7s		pmx	pmx					
YAK	comp=N,805nm,3.5s		smx	smx					
YAK	comp=N,1um,4.2s		smx	smx					
YAK	comp=E,687nm,3.8s		MLR	MLR					
YAK	comp=Z,1um,19.0s		MLR	MLR					
YAK	comp=N,965nm,13.0s		MLR	MLR					
YAK	comp=E,372nm,16.0s		MLR	MLR					
<b>CMMT</b>	<b>Chiang Mai</b>	<b>27.91 241</b>	P	<b>P</b>	<b>23 27 27.1 +6.7</b>				
CMMT	comp=Z,9.2nm,0.9s		P	<b>P</b>	<b>23 27 20.2 -0.2</b>				
<b>CHTO</b>	<b>Chiang Mai</b>	<b>27.92 241</b>	eP	<b>P</b>	<b>23 27 20.2 -0.2</b>				
CHTO	comp=Z,7.3nm,1.0s		pmx	pmx					
<b>CHTO</b>	<b>Chiang Mai</b>	<b>27.92 241</b>	eP	<b>P</b>	<b>23 27 20.2 -0.2</b>				
CHTO	comp=Z,7.0nm,1.0s		P	<b>P</b>	<b>23 27 27.7 +7.3</b>				
<b>CHTO</b>	<b>Chiang Mai</b>	<b>27.92 241</b>	P	<b>P</b>	<b>23 27 27.7 +7.3</b>				
CHTO	comp=Z,2nm,1.0s		P	<b>P</b>	<b>23 27 27.7 +7.3</b>				
<b>DAV</b>	<b>Davao City (W)</b>	<b>28.07 178</b>	LR	LR	23 38 37.2				
DAV	comp=Z,169nm,22.0s,baz=328,slow=37		LR	LR	23 38 37.2				
<b>CMAR</b>	<b>Chiang Mai Arr</b>	<b>28.15 240</b>	P	<b>P</b>	<b>23 27 20.4 -2.1</b>				
CMAR	comp=Z,1.5nm,0.7s,baz=33,slow=8.3,SNR=9.4		LR	LR	23 38 46.3				
<b>CMAR</b>	<b>Chiang Mai Arr</b>	<b>28.15 240</b>	eP	<b>P</b>	<b>23 27 20.4 -2.1</b>				
CMAR	comp=Z,482nm,18.3s,baz=40,slow=37		LR	LR	23 38 46.3				
<b>CMU1</b>	<b>Chiang Mai Arr</b>	<b>28.16 240</b>	eP	<b>P</b>	<b>23 27 24.0 +1.5</b>				
<b>CMU0</b>	<b>Chiang Mai Arr</b>	<b>28.16 240</b>	eP	<b>P</b>	<b>23 27 22.8 +0.2</b>				
<b>GUMO</b>	<b>Guam</b>	<b>28.34 134</b>	LR						







21d 1h

Table with columns: CHOS, AML, AML, 00 46 03.8, FITZ, Fitzroy Crossi, 26.09 241 P, P, 01 05 45.2 +1.2, etc.

IDC 21 00:47:05.4-1.5, 34.52N:25.83E, h0km, mb3.6/5, mb1 3.7/5, mb1mx3.4/31, mbtmp3.6/5, MS4.3/1, Ms1 4.3/1, ms1mx2.4/37, Error ellipse: s-maj=50.3km s-min=25.9km az=133.0

ATH 21 00:47:08.5-1.4, 18N:26.04E, h28km, 2km, ML2.5/2, Error ellipse: s-maj=1.4km s-min=1.4km az=66.0

ISC 21 00:47:09.5-1.2, 34.18N:09.2604E, 0.06, h32km, n14, az=142/17, mb3.6/5, Crete

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

DJA 21 00:59:57.2-1.5, 5'S:8'15'E, h10km, MS.2/7, mb4.7/7, mb6.0/2, MLV5.4/1, Mw(MB)5.6/2

IDC 21 01:00:14.9-2.0, 5.98S:149.50E, h52km, 17km, mb3.9/13, mb1 4.0/16, mb1mx3.9/42, mbtmp4.2/16, ML3.1/3, MS3.3/10, Ms1 3.3/10, ms1mx3.1/32, Error ellipse: s-maj=20.9km s-min=12.8km az=87.0

NEIC 21 01:00:16.3-0.8, 6.02S:149.43E, h4km, 8km, mb4.2/4, Error ellipse: s-maj=9.6km s-min=6.5km az=109.8

ISC 21 01:00:15.7-0.5, 6.05S:0.07, 149.39E, 0.09, h58km, n43, az=124/43, mb4.0/13, MS3.5/7, 2C, New Britain region

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

21d 1h

Table with columns: FITZ, Fitzroy Crossi, 26.09 241 P, P, 01 05 45.2 +1.2, etc.

IDC 21 01:13:58.4-0.8, 30.40S:179.59W, h336km, 10km, mb2.9/2, mb1 3.3/3, mb1mx3.0/26, mbtmp3.9/33, Error ellipse: s-maj=31.7km s-min=21.4km az=142.0

ISC 21 01:13:58.2-0.9, 30.65S:0.1x179.4W:0.2, h350km, n8, az=140/10, Kermadec Islands region

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

NIED 21 01:28:20.36:60N:141.10E, h44km, Mw3.6 Best double couple: M3.24000x1014 NP1:az=37.00000°, delta=0.00000°, 1.52.00000°, NP2:az=269.00000°, delta=0.00000°, 1.28.00000°

JMA 21 01:28:15.8-0.1, 36.61N:141.05E, h46km, 1km, M3.6, Near east coast of eastern Honshu

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

NEIC 21 01:29:28.1-0.6, 29.64N:102.89E, h10km, mb4.1/5, Error ellipse: s-maj=11.1km s-min=8.3km az=191.0

IDC 21 01:29:28.3-3.7, 29.84N:102.84E, h0km, mb3.8/9, mb1 3.8/10, mb1mx3.6/48, mbtmp3.7/10, ML2.5/1, MS3.1/2, Ms1 3.1/2, ms1mx2.5/38, Error ellipse: s-maj=80.8km s-min=23.7km az=5.0

BUI 21 01:29:34.2, 30.26N:102.91E, h22km, ML3.9/12, ISC 21 01:29:28.7-0.8, 29.75N:102.83E:0.07, h10km, n32, az=189/34, mb3.9/13, 2C, Sichuan

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

1340

Table with columns: MK01, Makanchi Array, 23.31 322 eP, P, 01 34 37.6 +0.8, etc.

IDC 21 01:29:57.7-2.3, 23.35N:101.160E, h0km, mb3.9/6, mb1 3.8/7, mb1mx3.5/47, mbtmp3.8/7, MS3.2/3, Ms1 3.2/3, ms1mx2.8/36, Error ellipse: s-maj=57.7km s-min=30.8km az=110.0

BUI 21 01:29:58.0, 23.38N:101.59E, h6km, ML4.3/5, ISC 21 01:30:01.7-0.8, 23.58N:100.70129E:0.10, h10km, n15, az=195/11, mb3.9/6, MS3.2/3, Yunnan

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

IDC 21 01:32:26.9-0.6, 2.88S:138.44E, h0km, mb4.2/13, mb1 4.4/16, mb1mx4.2/36, mbtmp4.3/16, ML4.3/4, MS3.4/11, Ms1 3.4/11, ms1mx3.2/24, Error ellipse: s-maj=21.5km s-min=13.0km az=62.0

NEIC 21 01:32:27.4-3.1, 2.92S:138.37E, h2km, 20km, mb4.7/27, Error ellipse: s-maj=7.2km s-min=6.4km az=58.0

BUI 21 01:32:2.2, 3.06S:138.39E, h38km, mb4.9/22, mb5.0/5, Ms4.7/1, Ms7.4/5/1

DJA 21 01:32:31.9-0.3, 3'S:5'13"E, h10km, M4.8/10, mb4.7/10, mb5.2/1, MLV4.8/1, Mw(MB)4.6/5

ISC 21 01:32:25.0-0.4, 2.96S:0.06, 138.43E:0.05, h10km, n95, az=1509/87, mb4.8/43, MS3.5/10, Irian Jaya

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





Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DAVA, SBF, BRG, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like NB2, NOA, EKA, etc.

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

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

THE 21 02:34:07.1, 37.262N-20.80E, h0km, 2km, ML1.9/2, Error ellipse: s-maj=3.3km s-min=1.0km az=211.0

ATH 21 02:34:07.0, 37.272N-20.81E, h16km, 1km, ML2.2/7, Error ellipse: s-maj=2.8km s-min=0.9km az=53.0, Ionian Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MES3, VTN, AMT, etc.

NIED 21 02:34:00, 37.70N-141.80E, h56km, Mw3.7, Best double couple: M3.59000-1014 NP1.350.00000, 834.00000, 7.66.00000, NP2.198.00000, 859.00000, 105.00000

JMA 21 02:34:33.5, 37.68N-141.79E, h49km, 1km, M3.8

JMA Felt J1, IDC 21 02:34:33.2, 37.378N-141.97E, h63km, 28km, mb3.4/4, mb1 3.5/7, mb1mx3.2/35, mbtm3.6/7, ML2.9/3, MS2.4/1, Ms1 2.4/1, ms1mx2.1/31, Error ellipse: s-maj=27.9km

ISC 21 02:34:32.3, 18.375N-107.00E, h11.9E, 0.1, h46km, 16km, H27, r=131/35, mb3.5/4, Near east coast of eastern

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



NWLT	Wulai	0.86 294	eP	Pn	03 08 09.1 +0.4
NWLT	baz=298		eS	Sn	03 08 21.4 +0.1
ENLB	Shoufeng	0.88 233	↑P	Pn	03 08 08.0 -0.8
ENLB	baz=228		S	Sn	03 08 20.4 -1.2
NNSB	Datong	0.90 270	↓P	Pn	03 08 09.1 -0.1
NNSB	baz=264		P	Pn	03 08 09.2 -0.1
NNS	Nan Shan	0.91 270	↓P	Pn	03 08 09.1 -0.1
NNS	baz=265		eS	Sn	03 08 21.3 -1.1
NHHD	Xindian Distri	0.93 305	↓P	Pn	03 08 09.7 +0.3
NHHD	baz=314		eS	Sn	03 08 22.4 -0.4
YHNB	Yeheng	0.93 285	ePn	Pn	03 08 09.9 +0.4
YHNB	baz=286		↓P	Pn	03 08 10.0 +0.4
YHNB	baz=286		S	Sn	03 08 22.6 -0.3
NSK	Sanguang	0.95 285	↓P	Pn	03 08 10.1 +0.4
NSK	baz=279		S	Sn	03 08 22.8 -0.5
TATO	Taipei	0.96 304	ePn	Pn	03 08 09.8 0.0
TATO	baz=316		eSn	Sn	03 08 22.7 -0.8
TATO	Taipei	0.96 304	↓P	Pn	03 08 10.0 +0.2
TATO	baz=316		S	Sn	03 08 23.0 -0.5
YM07	YM07	1.00 317	↓P	Pn	03 08 10.2 -0.1
YM07	baz=319		S	Sn	03 08 23.3 -1.0
YM01	YM01	1.01 314	↓P	Pn	03 08 10.4 -0.1
YM01	baz=316		S	Sn	03 08 23.9 -0.7
YM11	YM11	1.02 315	↓P	Pn	03 08 10.6 -0.1
YM11	baz=317		S	Sn	03 08 24.0 -0.9
YM10	YM10	1.03 315	↓P	Pn	03 08 10.6 -0.1
YM10	baz=316		S	Sn	03 08 23.9 -1.0
YM05	YM05	1.03 315	↓P	Pn	03 08 10.6 -0.1
YM05	baz=316		eS	Sn	03 08 24.0 -1.0
YM08	YM08	1.03 317	P	Pn	03 08 10.3 -0.4
YM08	baz=318		eS	Sn	03 08 23.2 -1.7
YM04	YM04	1.04 314	↓P	Pn	03 08 10.7 -0.1
YM04	baz=315		eS	Sn	03 08 24.0 -1.2
WHF	Hehuan Shan	1.05 254	↓P	Pn	03 08 11.1 -0.2
WHF	baz=255		S	Sn	03 08 24.6 -1.3
ESL	Shilin	1.05 234	↓P	Pn	03 08 10.1 -0.9
ESL	baz=228		↓P	Pn	03 08 10.1 -0.9
YM03	YM03	1.06 315	↓P	Pn	03 08 10.8 -0.2
YM03	baz=316		eS	Sn	03 08 24.8 -0.8
ANP	Anpu	1.07 314	↓P	Pn	03 08 11.0 -0.3
ANP	baz=316		eS	Sn	03 08 25.3 -0.7
TWS1	Kuangyinshan	1.09 308	↓P	Pn	03 08 11.7 +0.3
TWS1	baz=316		S	Sn	03 08 25.9 -0.3
TWY	Chenhua	1.09 320	↓P	Pn	03 08 11.7 +0.3
TWY	baz=312		S	Sn	03 08 26.4 +0.2
WLTB	Daxi	1.10 292	↓P	Pn	03 08 12.3 +0.9
WLTB	baz=284		S	Sn	03 08 27.0 +0.7
TWT	Tachien	1.10 261	P	Pn	03 08 12.4 +0.7
TWT	baz=261		S	Sn	03 08 26.6 -0.2
NTST	Danshui	1.11 311	eP	Pn	03 08 11.8 +0.3
NTST	baz=320		eS	Sn	03 08 26.5 -0.1
TDCB	Techi	1.12 261	↓P	Pn	03 08 12.5 +0.6
TDCB	baz=261		S	Sn	03 08 26.1 -1.0
EGFH	Guangfu	1.15 229	↑P	Pn	03 08 11.6 -0.5
EGFH	baz=261		eS	Sn	03 08 26.6 -1.0
CHGB	Renai	1.15 251	↑P	Pn	03 08 12.5 +0.1
CHGB	baz=245		S	Sn	03 08 26.9 -1.1
OWD	Renai	1.19 246	↓P	Pn	03 08 12.6 -0.2
OWD	baz=241		S	Sn	03 08 27.2 -1.5
NCU	National Centr	1.20 297	↓P	Pn	03 08 13.5 +0.8
NCU	baz=297		S	Sn	03 08 29.1 +0.5
NCUH	Zhongli	1.20 296	↓P	Pn	03 08 13.6 +0.8
NCUH	baz=297		eS	Sn	03 08 28.9 +0.2
PCYT	Pengchaiyu	1.22 347	eP	Pn	03 08 13.6 +0.6
IRIF	Iriomote-Funau	1.25 94	P	Pn	03 08 13.6 +0.3
IRIF	baz=343		S	Sn	03 08 29.7 0.0
NSTT	Nanjuang	1.26 279	↓P	Pn	03 08 14.2 +0.6
NSTT	baz=280		S	Sn	03 08 30.5 +0.5
HGSD	Ruisui	1.28 223	↑P	Pn	03 08 13.0 -0.7
HGSD	baz=220		eS	Sn	03 08 28.6 -1.9
WHP	Taichung City	1.31 263	↓P	Pn	03 08 15.4 +1.2
WHP	baz=260		eS	Sn	03 08 31.8 +0.5
SBCB	Hsinchu	1.31 286	↓P	Pn	03 08 14.9 +0.7
SBCB	baz=286		eS	Sn	03 08 31.2 +0.1
WVDT	WVDT	1.31 239	↑P	Pn	03 08 14.4 +0.2
WVDT	baz=232		S	Sn	03 08 30.1 -1.1
HSN	Hsinchu	1.32 286	↓P	Pn	03 08 14.7 +0.3
EHY	Hungye	1.33 226	↓P	Pn	03 08 13.5 -1.0
HATJ	Hateruma jima	1.36 106	P	Pn	03 08 15.5 +0.6
YULB	Yu-li	1.43 224	ePn	Pn	03 08 14.5 -1.2
YULB	baz=232		↓P	Pn	03 08 14.8 -1.0
YULB	baz=232		eS	Sn	03 08 31.4 -2.6
NMLH	Miaoili	1.44 274	P	Pn	03 08 16.9 +1.0
NMLH	baz=275		S	Sn	03 08 34.4 +0.1
SSLB	Suanguang	1.44 244	ePn	Pn	03 08 15.9 -0.1
SSLB	baz=240		↓P	Pn	03 08 16.1 +0.1
SSLB	baz=240		eS	Sn	03 08 33.0 -1.4
SMLT	Sun Moon Lake	1.45 248	↑P	Pn	03 08 16.6 +0.4
SMLT	baz=243		S	Sn	03 08 33.6 -1.0
TWF1	Yuli	1.46 222	↑P	Pn	03 08 15.3 -0.8
TWF1	baz=230				

TWF1	baz=230		eS	Sn	03 08 32.9 -1.8
TWQ1	Liyutan	1.46 267	↓P	Pn	03 08 16.9 +0.8
TWQ1	baz=277		S	Sn	03 08 34.9 +0.3
TYC	Yuchur	1.48 249	↑P	Pn	03 08 16.9 +0.6
TYC	baz=244		eS	Sn	03 08 34.7 -0.4
JKRS	Kuro-shima	1.51 97	P	Pn	03 08 17.5 +0.7
JKRS	baz=244		S	Sn	03 08 36.7 +0.9
WHYT	Xinyi Township	1.57 242	eP	Pn	03 08 18.5 +0.9
WHYT	baz=239		eS	Sn	03 08 37.4 +0.1
TCU	Taichung	1.57 260	eP	Pn	03 08 18.9 +1.3
TCU	baz=272		eS	Sn	03 08 38.5 +1.2
FULB	Fuli	1.58 219	↑P	Pn	03 08 16.9 -0.8
FULB	baz=211		eS	Sn	03 08 35.7 -1.8
WDJ	Dajia District	1.58 267	eP	Pn	03 08 18.6 +0.9
WDJ	baz=267		↑P	Pn	03 08 17.0 -1.2
CHKT	Chengkung	1.62 215	↑P	Pn	03 08 34.7 -3.6
CHKT	baz=208		eP	Pn	03 08 19.8 +1.6
WJS	Zhushan	1.62 248	eP	Pn	03 08 40.1 +1.7
WJS	baz=241		eS	Sn	03 08 18.4 +0.2
JJJ	Ishigaki jima	1.62 92	P	Pn	03 08 38.4 0.0
JJJ	baz=241		S	Sn	03 08 19.8 +1.4
WNT	Mingjian	1.64 251	eP	Pn	03 08 40.3 +1.5
WNT	baz=251		eS	Sn	03 08 20.0 +0.9
WCHH	Zhanghua	1.69 258	eP	Pn	03 08 41.3 +1.2
WCHH	baz=271		eS	Sn	03 08 19.4 -0.7
ELDTW	Lidau	1.75 225	↑P	Pn	03 08 21.2 +1.0
ELDTW	baz=225		S	Sn	03 08 42.8 +1.0
CHNS	Tsauling	1.76 242	↑P	Pn	03 08 20.6 +0.3
CHNS	baz=234		S	Sn	03 08 22.3 +1.6
JISG	Ishigakijimahi	1.78 85	P	Pn	03 08 20.6 +0.3
JISG	baz=246		S	Sn	03 08 22.3 +1.6
WGK	Gukeng	1.81 246	eP	Pn	03 08 45.0 +2.0
WGK	baz=246		eS	Sn	03 08 22.6 +1.6
WDLH	Douliu	1.83 246	eP	Pn	03 08 45.1 +1.7
WDLH	baz=246		eS	Sn	03 08 22.8 +0.7
RLNB	Erin	1.91 254	↓P	Pn	03 08 46.0 +0.6
RLNB	baz=254		S	Sn	03 08 23.2 +0.6
STYT	Tauyuan	1.94 230	↑P	Pn	03 08 46.3 +0.1
STYT	baz=226		S	Sn	03 08 24.2 +1.6
CHN2	Minsiang	1.95 243	eP	Pn	03 08 49.1 +2.8
CHN2	baz=236		eS	Sn	03 08 24.1 +1.5
CHN4	Tsushan	1.95 237	P	Pn	03 08 47.7 +1.3
CHN4	baz=237		S	Sn	03 08 23.4 +0.7
TPUB	Ta-pu	1.95 235	ePn	Pn	03 08 23.9 +1.2
TPUB	baz=227		↓P	Pn	03 08 21.7 +0.7
WTCT	Ta-ch'eng	1.99 254	P	Pn	03 08 23.6 +0.4
WTCT	baz=254		S	Sn	03 08 47.6 +0.4
WTP	Ta-pu	2.00 234	P	Pn	03 08 24.1 +0.8
WTP	baz=234		eS	Sn	03 08 48.6 +1.1
TWGBT	Beinan	2.00 217	↑P	Pn	03 08 22.1 -1.2
TWGBT	baz=222		S	Sn	03 08 44.5 -3.0
TWG	Pinlang	2.00 217	ePn	Pn	03 08 22.1 -1.2
TWG	baz=222		↓P	Pn	03 08 44.3 -3.2
CHY	Chiayi	2.01 243	eP	Pn	03 08 24.9 +1.5
CHY	baz=256		eS	Sn	03 08 49.9 +2.2
TTN	Taitung	2.01 214	eP	Pn	03 08 23.3 -0.2
TTN	baz=209		eS	Sn	03 08 47.1 -0.7
WMLT	Mailiao	2.06 253	eP	Pn	03 08 24.4 +0.4
WMLT	baz=253		S	Sn	03 08 49.7 +0.8
TWK	Hsiinying	2.08 236	P	Pn	03 08 25.4 +1.0
TWK	baz=236		eS	Sn	03 08 50.2 +0.8
CHN1	Nanshi	2.10 234	eP	Pn	03 08 25.9 +1.3
CHN1	baz=234		S	Sn	03 08 51.3 +1.5
SNST	Tain City	2.10 235	eP	Pn	03 08 26.3 +1.6
SNST	baz=235		eS	Sn	03 08 51.1 +1.3
WSF	Zhu	2.12 248	eP	Pn	03 08 25.6 +0.8
WSF	baz=259		eS	Sn	03 08 51.2 +0.9
SGST	Jiashian	2.12 231	P	Pn	03 08 26.3 +1.3
SGST	baz=230		S	Sn	03 08 51.7 +1.3
SLGT	Liugui	2.13 228	eP	Pn	03 08 26.4 +1.2
SLGT	baz=228		eS	Sn	03 08 52.1 +1.4
JTJ	Tarama	2.13 84	P	Pn	03 08 26.0 +0.9
JTJ	baz=215		S	Sn	03 08 51.8 +1.1
ECL	Taimali	2.24 216	eP	Pn	03 08 24.9 -1.7
ECL	baz=215		eP	Pn	03 08 27.4 +0.7
CHN8	Yiju	2.25 242	eP	Pn	03 08 54.8 +1.3
CHN8	baz=242		eS	Sn	03 08 28.5 +1.4
CHN3	Shinhua	2.28 234	eP	Pn	03 08 28.1 +0.5
CHN3	baz=245		S	Sn	03 08 56.1 +0.9
SSD	Sandimen	2.32 224	eP	Pn	03 08 29.4 +1.4
SSD	baz=223		S	Sn	03 08 57.0 +1.1
SCLT	Jiali	2.35 238	eP	Pn	03 08 30.9 +2.2
SCLT	baz=238		eS	Sn	03 08 30.2 +1.5
TWMI	Shoushan	2.40 228	eP	Pn	03 08 29.4 +0.5
TWMI	baz=228		eS	Sn	03 08 31.2 +2.2
TAH1	Yung-kang	2.40 235	eP	Pn	03 09 01.3 +3.6
TAH1	baz=235		eS	Sn	03 08 28.5 -1.2
MASBT	Mashibulo	2.42 222	↓P	Pn	03 08 28.9 -0.8
MASBT	baz=221		eS	Sn	
SGLT	Jiouru	2.42 226	eP	Pn	
SGLT	baz=225		eS	Sn	
SGLT	baz=225		eS	Sn	
EAST	Tawu	2.47 213	eP	Pn	
EAST	baz=213		eP	Pn	
EAST	Anshuo	2.48 215	↑P	Pn	
EAST	baz=214				

LAY	Lan-yu	2.50 198	↑P	Pn	03 08 28.6 -1.5
LAY	baz=190		eP	Pn	03 08 32.2 +2.1
SNJT	Kaohsiung City	2.51 228	eP	Pn	03 08 33.6 +2.9
SNJT	baz=229		eP	Pn	03 08 32.1 +1.0
SSPT	Xinbi	2.55 221	eP	Pn	03 08 30.9 -0.3
SSPT	baz=221		P	Pn	03 08 32.6 +1.1
JIRB	Irabujima	2.58 81	P	Pn	03 09 03.8 +1.6
PTTC	Pingtang	2.58 259	↓P	Pn	03 08 33.8 +1.6
PTTC	baz=286		eP	Pn	03 09 04.4 +0.9
SCZT	Fanchau	2.61 218	eP	Pn	03 08 34.3 +1.7
SCZT	baz=231		eS	Sn	03 09 05.3 +1.2
JIKM	Ikemajima	2.66 79	P	Pn	03 08 32.7 -0.2
JIKM	baz=82		S	Sn	03 08 31.8 -2.9
JMJ	Miyako jima 2	2.69 81	eP	Pn	03 08 32.7 -0.2
JMJ	baz=82		eS	Sn	03 08 32.7 -0.2
VWUC	VWUC	2.71 282	↓P	Pn	03 08 32.7 -0.2
VWUC	baz=282		eS	Sn	03 08 32.7 -0.2
PNG	Penghu	2.7			













Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like FIAS, FINES, FINESS Array S, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like GURO, E09A, E09A, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like VCNR, SAO, HFS, etc.





SHUT	comp-Z,4um,15.5s	84.64	312	P	P	03 34 03.8	-0.2
GMRC	Suhut-Aiyon	84.67	53	P	P	03 34 04.7	+0.4
109C	Granite Mounta	84.67	55	P	P	03 34 04.3	+0.2
CPE	camp=Z,303,SNR=163	84.67	55	eP	P	03 34 04.9	+0.8
MDNY	Camp Elliot, M	84.67	314	P	P	03 34 03.9	-0.1
ANGG	camp=Z,83nm,0.8s	84.69	359	eP	P	03 34 03.3	-0.2
CCUT	Cedar City	84.70	50	eP	P	03 34 05.4	+0.8
TCRU	comp=Z,62nm,1.0s	84.71	48	eP	P	03 34 05.4	+0.8
MAMC	Three Creeks R	84.73	308	P	P	03 34 04.3	-0.1
PFO	Mammari	84.74	54	eP	P	03 34 05.0	+0.3
PFO	Pinyon Flats O	84.74	54	eP	P	03 34 05.0	+0.3
PFO	comp=Z,291nm,1.0s	84.74	54	eP	P	03 34 04.9	+0.3
PFO	Pinyon Flats O	84.74	54	eP	P	03 34 04.9	+0.3
CSS	Mathiatis	84.76	307	eP	P	03 34 04.4	-0.2
CSS	comp=Z,532nm,0.6s	84.76	307	eP	P	03 34 02.8	-1.8
PHSR	Pinarhisar	84.78	316	P	P	03 34 05.7	+1.2
PHSR	Pinarhisar	84.78	316	P	P	03 34 05.5	+1.2
OKC	OKC	84.79	326	eP	P	03 34 04.1	-0.3
OKC	OKC	84.79	326	eP	P	03 35 40.2	0.0
OKC	OKC	84.79	326	eP	P	03 43 53.6	
OKC	OKC	84.79	326	eP	P	03 34 04.1	-0.3
OKC	OKC	84.79	326	eP	P	03 35 40.2	0.0
OKC	OKC	84.79	326	eP	P	03 36 26.2	+1.7
OKC	OKC	84.79	326	eP	P	03 39 41.7	
OKC	OKC	84.79	326	eP	P	03 43 53.6	-1.8
OKC	OKC	84.79	326	eP	P	03 49 31.5	-6.5
OKC	OKC	84.79	326	eP	P	04 16 20.0	
JMB	Yambol	84.85	317	P	P	03 34 05.2	+0.3
BELC	Belle Mtn, Jos	84.86	54	P	P	03 34 05.2	0.0
SZCU	Shurtz Canyon	84.86	49	eP	P	03 34 06.2	+1.0
LDFC	Landfair	84.89	52	eP	P	03 34 05.8	+0.5
LDFC	comp=Z,178nm,0.8s	84.89	52	eP	P	03 35 41.5	-0.3
MSU	Marysvalde	84.94	48	eP	P	03 34 06.7	+1.0
CRLT	Corlu	84.94	315	P	P	03 34 06.4	+1.1
LEF	Lefka	84.98	308	P	P	03 34 05.6	0.0
KSP	Ksiaz	85.00	328	eP	P	03 34 05.7	+0.3
KSP	Ksiaz	85.00	328	eP	P	03 34 05.1	-0.3
KCTX	Karacabey (Bur	85.06	314	P	P	03 34 05.8	-0.2
ISP	Isparta	85.07	311	P	P	03 34 06.2	0.0
ISP	Isparta	85.07	311	P	P	03 34 04.2	-2.0
LCMT	Little Creek M	85.08	50	eP	P	03 34 07.2	+1.0
BAR	Barrett	85.09	55	eP	P	03 34 07.1	+0.9
BAR	comp=Z,125nm,0.9s	85.09	55	eP	P	03 34 06.5	+0.2
GEDZ	Gediz	85.10	313	P	P	03 34 07.0	+0.8
TMUT	Trail Mountain	85.11	47	eP	P	03 34 06.0	-0.6
EDRB	Edirne	85.12	316	P	P	03 34 06.5	+0.3
EDRB	Edirne	85.12	316	P	P	03 34 06.1	-0.1
MORC	Moravsky Berou	85.12	326	eP	P	03 34 06.1	-0.1
MORC	Moravsky Berou	85.12	326	eP	P	03 34 05.6	-0.5
MORC	Moravsky Berou	85.12	326	eP	P	03 34 06.4	+0.3
MORC	Moravsky Berou	85.12	326	eP	P	03 34 05.6	-0.5
MORC	Moravsky Berou	85.12	326	eP	P	03 34 05.8	-0.3
MORC	Moravsky Berou	85.12	326	eP	P	03 35 46.8	
MORC	Moravsky Berou	85.12	326	eP	P	03 43 47.8	-1.1
MORC	Moravsky Berou	85.12	326	eP	P	03 45 57.8	-1.0
MORC	Moravsky Berou	85.12	326	eP	P	03 42 51.1	
MORC	Moravsky Berou	85.12	326	eP	P	04 02 51.5	
MORC	Moravsky Berou	85.12	326	eP	P	03 34 07.1	+0.3
MORC	Moravsky Berou	85.12	326	eP	P	03 34 06.6	0.0
MORC	Moravsky Berou	85.12	326	eP	P	03 34 07.2	+0.8
ALFC	Alfeka	85.16	308	P	P	03 34 06.0	-0.4
PSZ	Piszkesteto	85.18	324	eP	P	03 34 06.0	-0.4
PSZ	Piszkesteto	85.18	324	eP	P	03 43 58.0	-1.4
PSZ	Piszkesteto	85.18	324	eP	P	03 34 07.7	+1.2
PSZ	Piszkesteto	85.18	324	eP	P	03 34 07.7	+1.2
PSZ	Piszkesteto	85.18	324	eP	P	03 34 07.7	+1.2
SZAC	Souni	85.18	307	P	P	03 34 06.8	+0.1
MTPU	Mount Pierson	85.20	49	eP	P	03 34 07.5	+0.4
VLAD	Vladia	85.20	319	P	P	03 34 07.2	+0.7
BCK	Bucak	85.23	311	P	P	03 34 05.9	-1.0
GZR	Gura Zlata	85.26	321	P	P	03 34 07.3	+0.4
KRLC	Kraliky	85.29	327	eP	P	03 34 06.6	-0.3
KRLC	Kraliky	85.29	327	eP	P	03 34 06.6	-0.3
P17A	Butcher Ranch,	85.31	47	eP	P	03 34 08.2	+0.8
SIRR	Siria	85.31	322	eP	P	03 34 07.3	+0.2
DPC	Dobruska-Polom	85.32	327	eP	P	03 34 07.1	+0.1
DPC	Dobruska-Polom	85.32	327	eP	P	03 35 42.7	-0.3
DPC	Dobruska-Polom	85.32	327	eP	P	03 43 57.6	-3.0
DPC	Dobruska-Polom	85.32	327	eP	P	03 44 54.1	
DPC	Dobruska-Polom	85.32	327	eP	P	03 46 55.0	+1.1
DPC	Dobruska-Polom	85.32	327	eP	P	03 49 43.2	-2.6
DPC	Dobruska-Polom	85.32	327	eP	P	03 52 08.7	-0.8
DPC	Dobruska-Polom	85.32	327	eP	P	04 16 50.0	
EDC	Edinick	85.32	314	P	P	03 34 07.3	+0.1
EDC	Edinick	85.32	314	P	P	03 34 07.0	-0.1
YVHS	Vyhne	85.34	325	eP	P	03 34 06.9	-0.2
SIMA	Simav-Kutahya	85.35	313	P	P	03 34 08.5	+1.0
Q16A	Castle Valley	85.35	47	eP	P	03 34 08.6	+1.0
UPC	Upice	85.36	327	eP	P	03 34 06.7	-0.5
UPC	Upice	85.36	327	eP	P	03 43 57.6	
UPC	Upice	85.36	327	eP	P	03 49 45.7	-0.5
UPC	Upice	85.36	327	eP	P	03 34 06.7	-0.5
UPC	Upice	85.36	327	eP	P	03 43 57.6	-3.3
UPC	Upice	85.36	327	eP	P	03 44 51.6	
UPC	Upice	85.36	327	eP	P	03 46 52.1	-2.0
UPC	Upice	85.36	327	eP	P	03 49 45.7	-0.5
UPC	Upice	85.36	327	eP	P	04 17 00.0	
KNB	Kanab	85.36	50	eP	P	03 34 08.6	+0.9
KNB	Kanab	85.36	50	eP	P	03 34 08.6	+0.9
KNB	Kanab	85.36	50	eP	P	03 34 08.6	+0.9
IRM	Iron Mountain	85.36	53	P	P	03 34 08.0	+0.4
NEE2	Needles Airpor	85.39	52	P	P	03 34 07.7	+0.1
BC3	Big Chuckawall	85.42	54	P	P	03 34 08.3	+0.3
PKCU	Pink Cliffs	85.45	49	eP	P	03 34 08.7	+0.4
SRE	Strehaia	85.47	320	eP	P	03 34 09.2	+1.3
PPCY	Paphos	85.48	308	P	P	03 34 08.0	-0.1
IKP	In-Ko-Pah, Jac	85.50	55	P	P	03 34 08.7	+0.4
RKY	Rarkov-Tekirda	85.54	315	P	P	03 34 08.4	+0.1
SWSC	Sam W, Stewart	85.56	54	P	P	03 34 08.7	+0.2
KRBG	Karabiga-Canak	85.64	315	P	P	03 34 08.3	-0.4
KORT	Korkueli	85.64	310	P	P	03 34 07.4	-1.6
SRU	San Rafael Swe	85.66	47	eP	P	03 34 09.9	+0.8
JAVC	Velka Javorina	85.68	326	eP	P	03 34 09.5	+0.7
JAVC	JAVC	85.68	326	eP	P	03 43 55.4	+3.0
JAVC	JAVC	85.68	326	eP	P	03 44 04.9	+0.7

JAVC	Hualapai Mount	85.71	52	eP	P	03 34 57.2	
W13A	comp=Z,38nm,1.0s	85.71	52	eP	P	03 34 09.8	+0.3
BALB	Balikesir	85.72	314	P	P	03 34 07.4	-1.7
BZS	Buzias	85.75	321	P	P	03 34 09.3	+0.1
BZS	Buzias	85.75	321	P	P	03 34 09.3	+0.1
HERR	Herculane	85.78	320	eP	P	03 34 09.8	+0.5
PUNG	Pungina	85.87	320	eP	P	03 34 10.4	+0.7
KULA	Kula-Manisa	85.88	312	P	P	03 34 09.4	-0.7
KULA	Kula-Manisa	85.88	312	P	P	03 34 09.0	-1.1
TIM	Timisoara	85.89	322	eP	P	03 34 10.9	+1.1
VRAC	VRAC	85.90	326	P	P	03 34 09.7	-0.1
VRAC	comp=Z,104nm,0.7s,baz=48,slow=4.0,SNR=177	85.90	326	P	P	03 34 09.7	-0.1
VRAC	comp=Z,34nm,0.9s,baz=30,slow=4.7,SNR=5.4	85.90	326	P	P	03 35 50.4	-0.9
VRAC	comp=Z,1.6nm,0.4s,baz=28,slow=22,SNR=5.8	85.90	326	P	P	03 43 53.6	0.0
VRAC	VRAC	85.90	326	P	P	03 34 09.9	+0.1
VRAC	VRAC	85.90	326	P	P	03 34 09.6	-0.2
VRAC	VRAC	85.90	326	P	P	03 34 10.4	+0.5
VRAC	VRAC	85.90	326	P	P	03 44 05.4	-0.8
VRAC	VRAC	85.90	326	P	P	03 45 00.8	
VRAC	VRAC	85.90	326	P	P	03 52 07.4	-0.7
VRAC	VRAC	85.90	326	P	P	03 42 47.8	-0.8
BUD	Budapest	85.91	324	P	P	03 34 09.0	-0.7
BUD	Budapest	85.91	324	P	P	03 34 10.4	+0.5
MAN	Manisa	85.96	312	eP	P	03 34 11.0	+0.4
ERIK	Erikli-Kesan	85.96	315	P	P	03 34 09.8	-0.5
PDMOI	Parker Dam,Lak	85.98	53	P	P	03 34 10.8	+0.3
LPK	Lapseki	85.99	315	P	P	03 34 10.7	+0.3
K22A	Casper	85.99	42	eP	P	03 34 11.2	+0.6
K22A	comp=Z,140nm,1.0s	85.99	42	eP	P	03 34 10.8	+0.2
PVCC	Panska Ves	86.01	328	eP	P	03 34 10.1	-0.2
PVCC	Panska Ves	86.01	328	eP	P	03 35 48.7	+2.3
PVCC	Panska Ves	86.01	328	eP	P	03 34 10.1	-0.2
PVCC	Panska Ves	86.01	328	eP	P	03 35 48.7	+2.3
PVCC	Panska Ves						

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Novy Kostel, Coleburn Disti, Conrad Observa, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Berane, Soboth, SOKA, etc.

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











Table with columns: KZ, SNR, Value, P, P, 04 05, 05.08 +1.6, etc. Rows include KZart, Tokmak 2, Muanjiang, etc.

Table with columns: BRVK, Mapaga, 33.79 149, P, P, 04 06 20.0 +0.2, etc. Rows include MPMI, ASAJ, ERM, etc.

Table with columns: BILL, Tamita, 52.36 330, eP, P, 04 08 49.6 +0.2, etc. Rows include BILL, TMCR, OBN, etc.

21d 4h

2013 APR

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Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like NORSAR Subarra, NORSAR Array B, Agios Georgios, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like MCK McKinley, RND Reindorf, BFO Black Forest, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like TXAR, JCT Junction City, GSA South Pole Qui, etc.

KRSC 21 04:17:17.2; 10.0, 49.99N; 157.71E; h19km; 10km, ML4.1
SR 04:17:18.4; 0.7, 49.77N; 157.47E; h50km; mb4.32
MOS 21 04:17:22.0; 0.9, 49.78N; 157.45E; h54km; mb3.8/1, Error
ellipse: s-maj=25.4km s-min=6.2km az=86.0
ISC 21 04:17:18.8; 4.3, 50.1N; 0.2; 157.56E; 0.08, h1km; 17km,
n34, c084/37, Kuril Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: SDR, Sedlovina, 3.33, 14, eP, Pn, 04 18 12.2, +0.1

IDC 21 04:23:40.8, 0.7, 0.97S; 120.98E, h0km, mb4.0/9, mb1 4.1/10, mb1mx3.9/34, mbtmp3.9/10, ML3.0/1, Error ellipse: s-maj=54.2km s-min=14.1km az=66.0

DJA 21 04:23:43.6, 0.3, 1.1, S:2.12, 1E, h10km, M4.5/13, mb4.7/2, mb4.9/1, MLV4.4/13, Mw(mb)4.1/1

NEIC 21 04:23:46.4, 0.8, 1.1, 10S; 120.81E, h42km, gkm, mb4.2/8, Error ellipse: s-maj=9.3km s-min=5.0km az=52.0

ISC 21 04:23:46.2, 0.5, 1.02S, 0.04, 120.65E, 0.05, h35km, n47, c173/53, mb4.1/16, Sulawesi

Main table for station 1361 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

MEX 21 04:30:48.8, 0.7, 16.42N, 98.14W, h16km, 6km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

IDC 21 04:31:39.7, 3.2, 57.91S; 25.53W, h0km, mb3.7/2, mb1 3.8/2, mb1mx3.6/16, mbtmp3.7/2, Error ellipse: s-maj=114.5km s-min=48.3km az=170.0, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

SKHL 21 04:38:13.7, 0.9, 46.20N, 153.70E, h78km, 8km, mb4.8/2 JMA 21 04:38:17.1, 0.6, 47.01N, 152.94E, h30km, M4.3

MOS 21 04:38:18.3, 1.2, 46.28N, 153.73E, h76km, mb3.9/1, Error ellipse: s-maj=21.7km s-min=12.1km az=51.0

IDC 21 04:38:22.6, 3.1, 46.89N; 152.82E, h73km, 26km, mb3.5/9, mb1 3.7/12, mb1mx3.4/56, mbtmp3.8/12, Error ellipse: s-maj=47.0km s-min=20.3km az=163.0

ISC 21 04:38:16.0, 1.1, 46.4AN, 0.2, 153.3E, 0.1, h31km, n41, c213/45, mb3.7/9, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

Main table for station 2013 APR with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

IDC 21 04:38:12.0, 3.8, 19.75N; 122.56E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.4/57, mbtmp3.7/4, ML3.8/1, Error ellipse: s-maj=236.4km s-min=25.0km az=90.0

MAN 21 04:38:18.9, 19.72N; 121.55E, h142km, MS3.6

ISC 21 04:38:16.7, 1.2, 20.01N; 0.09, 121.5E, 0.2, h44km, n17, c176/13, mb3.8/3, 1C, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

TAP 21 04:38:46.6, 23.84N; 121.61E, h51km, ML3.4, C

JMA 21 04:38:46.4, 0.1, 23.81N; 121.61E, h47km, 1km

ISC 21 04:38:47.1, 2.3, 23.83N; 0.02, 121.64E, 0.03, h44km, 5km, n87, c089/153, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

Main table for station 21d 4h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

21d 4h

Table with columns: CHN4, Tsauhsan, 1.07 244 eP, Pn, 04 39 06.2 0.0, etc.

MOS 21 04:43:17.2.0.9, 30.25N-103.03E, h13km, mb4.3/6, Error ellipse: s-maj=10.1km s-min=6.7km az=91.0

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

2013 APR

Main table with columns: LZH, comp=N, 630nm, 1.1s, LR, LR, LR, etc.

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Table with columns: BPAW, Bear Paw Mtn, 69.78 27 eP, P, 04 50 29.6 +0.4, etc.

IDC 21 04:42:27.0.1.2, 1.21N-97.01E, h0km, mb4.1/14, mb1 4.1/15, mb1mx3.9/54, mbtmp4.0/15, ML4.9/2.7, MS3.8/3, Ms1 3.8/3, ms1mx3.1/54, Error ellipse: s-maj=3.7km s-min=16.8km az=55.0

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

ISK 21 04:53:38.9, 37.30N-37.08E, h5km, ML1.5/4 DDA 21 04:53:39.0, 37.31N-37.11E, h7km, 2km, ML2.5

Table with columns: KUZU, ANDN, KZT, KOZT, TAHT. Includes station names like Kuzuni, Andirin, Kozan, Tahtakopru-Hat and various parameters like frequency, power, and status.

DJA 21 04:53:39.8,0.8,8'S,4'10"E, h13km,4km, M4,6/10, mb4,7/1,MLV4,5/10

ICD 21 04:53:45.3,0.7,38S,106'69E, h82km,22km, mb3,7/15, s-maj=40.5km s-min=13.0km az=54.0

ISC 21 04:53:41.0,1.7,77S,011'06.55E:0.08,h59km,13km, n36, c184/42, mb4,11/6, Jawa

Main table for the first section, listing stations like SKJI, CISM, LEM, FITZ, CMAR, H01W3, H01W1, WRA, ASAR, H08S2, H08S3, H08S1, STKA, SONMI, SONM, MKAR, KLR, KURBB, GEYT, ZALV, BVAR, TIXI, BRTR, FINES, ARCES, YKA, PDAR, TXAR with their respective parameters.

LJU 21 04:55:10.1,45.87N,14.99E, h10km, ML0.3, Northwestern Balkan Peninsula

Table for the second section, listing stations like VISS, PDKS, LEGS with station names and parameters.

BUI 21 04:58:51.1,30.33N,102.96E, h23km, ML3.5/7, 1C, Sichuan

Table for the third section, listing stations like CD2, GYA, YKA, XAN, WMQ with station names and parameters.

ICD 21 05:05:49.2,1.4,29'S59N,51'04E, h0km, mb3,7/10, mb1 3.8/11, mb1mx3.6/40, mbtmp3,7/11, ML3,3/2, Error ellipse: s-maj=30.9km s-min=22.6km az=160.0

TEH 21 05:05:51.0,29'67N,51'19E, h5km, ML3,1 THR 21 05:05:53.5,29'62N,51'18E, h32km, ML3,2

ISC 21 05:05:50.6,0.8,29'61N,05'51.15E:0.06,h10km,n40, c247/43, mb3.6/10, Southern Iran

Table for the fourth section, listing stations like IKAZ, SHI with station names and parameters.

Main table for the second section, listing stations like SHI, KLNJ, IPAR, GHIR, ZNGN, JHBN, ROKH, IGAR, ISAD, IZEF, IMEH, ICHK, YZKH, ANAR, KHMZ, KRSH, ISFB, KRBB, IKOM, TNSJ, TKDS, TABS, WSAR, GEYT, BVAR, MKAR, ZALV, FINES, NOA, ARCES, TORO, ILAR, YKA with their respective parameters.

ISK 21 05:24:35.6,37'33N,37'11E, h11km, ML1.8/5 DDA 21 05:24:36.1,37'32N,37'11E, h6km,1km, ML2.6

ISC 21 05:24:36.8,0.9,37'31N,03'37.12E:0.03,h10km,7km, n13, c056/21, Turkey

Table for the third section, listing stations like GAZ, HCB, KMRS, AYKD, GZT, KAMA, KUZU, ANDN, KZT, KOZT, CEYT, AKCAD, TAHT, URFA with their respective parameters.

ISK 21 05:38:50.9,37'32N,37'10E, h6km, ML1.9/4 DDA 21 05:38:51.3,37'34N,37'10E, h5km,1km, ML2.6

ISC 21 05:38:50.9,37'33N,03'37.12E:0.03,h12km,7km, n14, c061/24, Turkey

Table for the fourth section, listing stations like HCB, GAZ, KMRS, AYKD, GZT, KAMA, KUZU, ANDN, KOZT, KOZT, SAIM, AKCD, TAHT, DARE, URFA with their respective parameters.

DDA 21 05:41:50.8,37'33N,37'11E, h7km,2km, ML2.9 ISK 21 05:41:50.4,37'33N,37'11E, h7km, ML2.1/8

ISC 21 05:41:51.1,0.9,37'32N,03'37.11E:0.02,h10km,7km, n21, c060/31, Turkey

Table for the fifth section, listing stations like HCB, GAZ, KMRS, AYKD, GZT, KAMA, KUZU, ANDN, ATAB, ELBS, KOZT, SAIM, CEYT, AKCD, TAHT, YURE, SURC, DARE, AKO, URFA, BNN with their respective parameters.

KRSC 21 05:43:12.6,10.0,49'91N,157'77E, h18km,10km, ML3.8 SKHL 21 05:43:14.8,0.1,49'78N,157'57E, h50km, mb4,0/2

ISC 21 05:43:14.1,3.3,50.0N,01'15.75E:0.03,h3km,13km, n19, c074/29, East of Kuril Islands

Table for the sixth section, listing stations like SKR, ALID, PAU, KDR, ASAK, RUS, MTRV, KRMR, APC, PET with their respective parameters.

IDC 21 05:45:23.4,9.5,15'54S,167'65E, h127km,86km, mb3.5/3, mb1 3.6/4, mb1mx3.2/35, mbtmp3,8/4, Error ellipse: s-maj=101.0km s-min=43.8km az=166.0, Vanuatu Islands

Table for the seventh section, listing stations like DZM, STKA, WRA, ASAR, ARCES with their respective parameters.

MEX 21 05:56:09.0,0.5,16'53N,98'40W, h22km,16km, MD3.9, Near coast of Guerrero

Table for the eighth section, listing stations like PNIG, MRKA, SMIA, ATAL with their respective parameters.





USRK	Ussuriysk Ar.	13.51 270 P	Pn	06 35 06.2 +2.3
USRK	Magadan	13.85 350 P	LR	06 39 50.0
MA2	Magadan	13.85 350 P	P	06 35 09.5 +1.1
MA2	Magadan	13.86 360 ePn	Pn	06 35 06.8 -1.7
VLA	Vladivostok	13.87 266 eP	P	06 35 07.7 +0.1
VLA	Vladivostok	13.87 266 eP	Pn	06 35 08.7 +0.1
MDJ	Mudanjiang	15.10 273 P	P	06 35 40.8 +1.4
MDJ		comp=Z,16nm,0.5s	pmax	
MDJ		comp=Z,140nm,4.3s	pmax	
ZEA	Zeya	17.22 306 eP	P	06 35 50.2 -0.3
ZEA		comp=Z,36nm,1.2s	pmax	
KSR5	Korea Array	19.05 252 P	Pn	06 36 12.6 0.0
KSR5		comp=Z,0.2nm,0.3s,baz=53,slow=11,SNR=4.6	LR	06 43 10.0
KSR5		comp=Z,25nm,19.4s,baz=35,slow=35	LR	06 43 10.0
KS01	Wonju Array Si	19.06 252 eP	P	06 36 10.6 -0.3
KS15	Wonju Array Si	19.09 252 eP	P	06 36 11.4 +0.3
YAK	Yakutsk	20.41 331 eP	P	06 36 23.7 -1.5
YAK		comp=Z,27nm,1.6s	eS	06 40 00.9 -7.1
YAK			eSS	06 40 28.9 +1.1
YAK			e	06 47 48.4
YAK		comp=Z,182nm,0.8s	pmax	
YAK		comp=E,50nm,1.0s	pmax	
YAK		comp=N,49nm,0.9s	smax	
YAK		comp=E,413nm,2.2s	smax	
BILL	Bilibino	23.73 14 eP	P	06 36 56.8 -2.3
BILL	Bilibino	23.73 14 eP	P	06 36 56.6 -2.5
BILL	Bilibino	23.73 14 eP	P	06 37 19.6 +0.2
BILL	Bilibino	23.73 14 eP	P	06 41 05.9 -0.6
BOD	Bodaibo	25.50 312 eP	P	06 37 12.6 -2.6
BOD		comp=Z,7.0nm,0.7s	pmax	06 37 31.7
BOD		comp=Z,4.0nm,1.5s	pmax	
TIXI	Tiksi	28.04 345 P	P	06 37 35.5 -2.3
TIXI		comp=Z,5.2nm,0.3s,baz=142,slow=8.2,SNR=24	LR	06 48 43.3
TIXI	Tiksi	28.04 345 eP	P	06 37 35.4 -2.4
TIXI		comp=Z,46nm,20.6s,baz=134,slow=36	LR	06 48 43.3
TIXI	Tiksi	28.04 345 eP	P	06 37 35.5 -2.3
TIXI		comp=Z,6.0nm,0.9s	pmax	
NJ2	Nanjing	28.25 252 eP	P	06 37 41.3 +1.2
NJ2		comp=Z,10.0nm,0.5s	pmax	
HHC	Hu-ho-hao-te	28.86 274 eP	P	06 37 47.1 +1.5
HHC		comp=Z,15nm,0.8s	pmax	
HHC		comp=Z,210nm,5.6s	pmax	
H1N2	WAKE ISLAND HY	29.09 148 T	T	07 08 59.0
H1N1	WAKE ISLAND HY	29.10 148 T	T	07 09 29.7
H1N3	WAKE ISLAND HY	29.11 148 T	T	07 09 30.7
H1S1	WAKE ISLAND HY	30.14 149 T	T	07 10 13.0
H1S3	WAKE ISLAND HY	30.14 149 T	T	07 09 58.3
H1S2	WAKE ISLAND HY	30.16 149 T	T	07 10 09.5
SONA	Songrio Array	30.26 290 eP	P	06 37 56.8 -1.1
SONM	Songrio Array	30.26 290 P	P	06 37 56.8 -1.1
SONM		comp=Z,0.5nm,0.4s,baz=80,slow=7.4,SNR=4.1	LR	06 51 29.6
TLY	Talaya	31.32 298 eP	P	06 38 06.6 -0.4
TLY	Talaya	31.32 298 eP	P	06 38 06.6 -0.4
RDOG	Red Dog Mine	32.45 30 eP	P	06 38 18.2 +1.4
SVW2	Sparrevohn	34.27 44 eP	P	06 38 33.7 +1.1
OHAK	Old Harbor	35.59 51 eP	P	06 38 49.5 +5.6
KDAD	Kodiak Island	35.91 50 P	P	06 38 46.9 +0.2
KDAD	Kodiak Island	35.91 50 P	P	06 38 46.9 +0.2
KDAD	Kodiak Island	35.91 50 eP	P	06 38 46.9 +0.2
PPLA	Purkeville	35.92 41 eP	P	06 38 47.1 +0.2
CAST	Castle Rocks	35.98 40 eP	P	06 38 48.7 +1.4
LZH	Lanzhou	36.41 272 eP	P	06 38 50.4 -1.0
LZH		comp=Z,3.9nm,1.1s	pP	06 39 14.9 +0.5
LZH		comp=Z,4.4nm,0.8s	sP	06 39 29.8 +3.9
LZH		comp=Z,20nm,1.1s	pmax	
LZH		comp=Z,82nm,4.3s	pmax	
BPAW	Bear Paw Mtn.	36.49 39 eP	P	06 38 53.4 +1.8
COLD	Coldfoot	37.02 34 eP	P	06 38 57.3 +1.3
BWN	Browne	37.16 39 eP	P	06 38 59.9 +2.7
MCK	McKinley	37.40 39 eP	P	06 39 00.3 +1.0
MCK	McKinley	37.40 39 eP	P	06 39 00.3 +1.0
TOLK	Toolik Lake Re	37.40 31 eP	P	06 39 00.7 +1.4
RND	Reindeer	37.44 40 eP	P	06 39 00.5 +0.8
RND	Reindeer	37.44 40 eP	P	06 39 00.5 +0.8
GTA	Gaotai	37.64 279 P	P	06 39 03.8 +2.0
GTA		comp=Z,3.9nm,1.1s	pP	06 39 16.0 -8.9
GTA		comp=Z,3.4nm,0.9s	sP	06 39 21.9 -1.4
GTA		comp=Z,10.0nm,1.1s	pPn	06 40 30.8 -0.8
MDM	Murphy Dome	37.70 37 eP	P	06 39 03.4 +1.6
KNK	Knik Glacier	37.71 43 eP	P	06 39 01.7 -0.2
WRH	Wood River Hill	37.76 38 eP	P	06 39 05.0 +2.7
COLA	College	37.86 38 eP	P	06 39 04.7 +1.6
COLA	College	37.86 38 eP	P	06 39 04.5 +1.4
CCB	Clear Creek Bu	37.88 38 eP	P	06 39 04.7 +1.4
DHY	Denali Highway	38.12 40 eP	P	06 39 05.8 +0.3
HDA	Harding Lake	38.26 38 eP	P	06 39 08.2 +1.7
IL1	Eielson Array	38.28 38 eP	P	06 39 07.7 +1.1
ILAR	Eielson Array	38.28 38 eP	P	06 39 07.1 +0.5
ILB	Eielson Array	38.28 38 eP	P	06 39 07.8 +1.2
PRP	Porcupine Dome	38.84 37 eP	P	06 39 13.4 +1.9
NRK1	Norilsk	38.86 330 P	P	06 39 09.8 -1.6
NRK1		comp=Z,1.6nm,0.6s,baz=109,slow=1.7,SNR=5.5	LR	06 58 56.9
KLU	Klutina	38.91 43 eP	P	06 39 13.7 +1.6
FYU	Fort Yukon	38.94 35 eP	P	06 39 14.0 +1.8

CD2	Chengdu	39.29 265 eP	P	06 39 15.0 -0.5
SCRK	Sand Creek	39.58 39 eP	P	06 39 18.2 +0.6
BALM	Baldy	40.69 43 eP	P	06 39 28.6 +1.8
BALM	Baldy	40.69 43 eP	P	06 39 28.6 +1.8
EGAK	Eagle	40.73 37 eP	P	06 39 28.2 +1.2
CTGM	Chitina Glacie	41.19 43 eP	P	06 39 32.8 +1.9
DAWY	Dawson	41.58 38 eP	P	06 39 35.2 +1.2
DGZ	Jazzatar, Alta	41.78 299 P	P	06 39 33.5 -2.5
DGZ		comp=Z,1.0nm,0.5s	pmax	
ZAA1	Zalesovo Array	41.98 306 eP	P	06 39 35.3 -2.1
ZAA1		comp=Z,2.5nm,0.6s	ePcP	06 41 31.6 +1.0
ZAA0	Zalesovo Array	41.98 306 eP	P	06 39 35.9 -1.5
ZALV	Zalesovo Base	41.98 306 P	P	06 39 35.3 -2.1
ZALV		comp=Z,0.8nm,0.5s,baz=96,slow=5.4,SNR=4.3	PcP	06 41 31.6 +1.0
ZALV		comp=Z,1.7nm,0.8s,baz=73,slow=5.0,SNR=3.9	LR	06 56 52.1
ZALV		comp=Z,29nm,19.1s,baz=69,slow=36	LR	06 56 52.1
ZALV	Zalesovo Base	41.98 306 eP	P	06 39 35.4 -2.0
EPYK	Eagle Plains	42.37 35 eP	P	06 39 41.8 +1.5
HYT	Haines Junction	43.05 43 eP	P	06 39 48.6 +2.6
INK	Inuvik	43.31 32 eP	P	06 39 47.6 -0.2
INK	Inuvik	43.31 32 eP	P	06 39 49.0 +1.1
INK	Inuvik	43.31 32 eP	P	06 39 49.0 +1.1
KMI	Kunming	43.57 259 P	P	06 39 52.3 +1.5
KMI		comp=Z,16nm,0.6s	pmax	
WMQ	Urumqi	43.89 291 eP	P	06 39 55.3 +2.4
WMQ		comp=Z,21nm,0.9s	pmax	
WMQ		comp=Z,410nm,4.1s	pmax	
WMQ		comp=N,61nm,20.5s	LR	
WMQ		comp=E,42nm,23.3s	LR	
WHY	Whitehorse	44.34 43 eP	P	06 39 58.7 +2.4
MK31	Makanchi Array	46.07 297 eP	P	06 40 09.7 -0.4
MK31	Makanchi Array	46.07 297 eP	P	06 40 09.7 -0.4
MK32	Makanchi Array	46.07 297 eP	P	06 40 09.1 -1.0
MKAR	Makanchi Array	46.07 297 P	P	06 40 09.1 -1.0
MKAR	Makanchi Array	46.07 297 eP	P	06 40 09.5 -0.6
MK01	Makanchi Array	46.07 297 eP	P	06 40 09.1 -1.1
KURK	Kurchatov	46.67 304 eP	P	06 40 13.5 -1.2
KURK	Kurchatov	46.67 304 eP	P	06 40 13.5 -1.2
KURBB	Kurchatov Arra	46.76 304 P	P	06 40 14.2 -1.2
BVAR	Borovoye Array	50.34 309 P	P	06 40 41.4 -1.4
BVAR		comp=Z,0.6nm,0.5s,baz=97,slow=3.6,SNR=3.2	PcP	06 41 58.3 -1.6
BVAR		comp=Z,34nm,18.1s,baz=67,slow=36	LR	07 01 54.6
BRVK	Borovoye	50.38 309 P	P	06 40 41.9 -1.2
BRVK		comp=Z,2.0nm,0.6s	pP	06 41 08.6 +1.4
CMK1	Chiang Mai Arr	50.66 255 eP	P	06 40 48.1 +2.4
CMAR	Chiang Mai Arr	50.66 255 P	P	06 40 48.1 +2.5
RES	Resolute Bay	52.27 18 eP	P	06 40 57.4 +0.5
RES	Resolute Bay	52.27 18 eP	P	06 40 57.6 +0.7
RES	Resolute Bay	52.27 18 eP	P	06 40 57.6 +0.7
YKWS	Yellowknife Ar	52.59 36 eP	P	06 41 00.2 +0.7
YKA	Yellowknife Ar	52.63 36 P	P	06 41 00.6 +0.9
YKBS	Yellowknife Ar	52.63 36 eP	P	06 41 00.7 +1.0
KBS	Kingsbay	53.26 35 P	P	06 41 04.1 -0.1
SPITS	Spitsbergen Ar	53.34 349 P	P	06 41 03.2 -1.5
SVE	Sverdlovsk	53.54 317 eP	P	06 41 05.7 -0.8
KSH	Kashi	53.64 292 P	P	06 41 12.9 +5.3
KSH		comp=Z,20nm,0.9s	sP	06 41 35.0 +3.0
KSH		comp=Z,37nm,1.4s	pmax	06 48 37.6 +4.0
ARU	Arti	54.74 317 eP	P	06 41 14.1 -1.1
ARU	Arti	54.74 317 d/P	P	06 41 13.9 -1.3
ARU		comp=Z,13nm,0.8s	pP	06 41 38.5 -1.0
ARU		comp=Z,2.9nm,0.8s	S	06 42 14.0
ARU		comp=Z,2.9nm,0.8s	SS	06 48 44.5 -3.0
ARU		comp=Z,15nm,0.8s	pmax	06 52 24.8 -6.4
TULEG	Thule	55.40 10 eP	P	06 41 19.3 -0.4
PRGR	Permogore	57.40 327 P	P	06 41 27.7 -6.3
GAR	Garm	57.57 294 eP	P	06 41 36.0 +0.2
GAR	Garm	57.57 294 eP	P	06 41 36.0 +0.2
DAG	Danmarks Havn	57.59 357 P	P	06 41 34.7 -0.5
DAG	Danmarks Havn	57.59 357 P	P	06 41 36.9 -0.9
ABKAR	Aktubak array	57.91 309 P	P	06 41 39.5 -0.8
AKTO	Aktubinsk	58.21 311 P	P	06 41 39.5 -0.8
ARAO	ARCESS Array S	58.31 340 eP	P	06 41 39.6 -0.7
ARCES	ARCESS Array B	58.31 340 P	P	06 41 39.6 -0.7
NIL	Nilore	58.79 288 eP	P	06 41 45.6 +1.4
NIL	Nilore	58.79 288 eP	P	06 41 45.6 +1.4
KBL	Kabul	61.03 291 eP	P	06 41 59.5 -0.2
KBL	Kabul	61.03 291 eP	P	06 41 59.5 -0.2
SUMG	Summit	61.81 3 eP	P	06 42 05.3 +0.7
SUMG	Summit	61.81 3 P	P	06 42 05.9 +1.3
SUMG	Summit	61.81 3 i/P	P	06 42 05.9 +1.3
JMIC	Jan Mayen	62.65 353 LR	LR	07 10 58.2
FCC	Fort Churchill	62.93 32 eP	P	06 42 12.5 +0.7
FCC	Fort Churchill	62.93 32 eP	P	06 42 12.5 +0.7

FCC	Fort Churchill	62.93 32 eP	P	06 42 12.5 +0.7
BOZ	Bozeman (W)	63.60 51 eP	P	06 42 16.9 +0.3
BOZ	Bozeman (W)	63.60 51 eP	P	06 42 16.9 +0.3
SCO	Scoressbysund	63.98 357 eP	P	06 42 18.9 +0.4
SCO	Scoressbysund	63.98 357 i/P	P	06 42 19.5 +1.0
SCO	Scoressbysund	63.98 357 i/P	P	06 42 19.5 +1.0
ILULI	Ilulissat	64.22 9 eP	P	06 42 20.3 +0.2
NV01	Mina Array Sit	64.24 61 eP	P	06 42 22.1 +1.1
NVAR	Mina Array Bea	64.24 61 P	P	06 42 22.1 +1.1
FAIO	FAIO FINESS Array S	64.30 334 eP	P	06 42 19.5 -1.2
FAIO	FAIO FINESS Array S	64.30 334 eP	P	06 42 19.5 -1.2
FINES	FAIO FINESS Array S	64.30 334 P	P	06 42 19.5 -1.2
OBN	Obrninsk	65.28 325 eP	P	06 42 26.8 -0.4
OBN	Obrninsk	65.28 325 eP	P	06 42 26.8 -0.4
OBN		comp=Z,4.0nm,0.8s	eP	06 42 52.0
OBN		comp=Z,4.0nm,0.8s	pmax	
CTA	Charters Tower	65.65 185 P	P	06 42 33.0 +3.1
GEYT	Alibek	65.82 300 P	P	06 42 32.5 +1.4
SFJD	SFJD Kangerlussuaq	66.40 9 eP	P	06 42 34.4 +0.2
SFJD	SFJD Kangerlussuaq	66.40 9 i/P	P	06 42 35.4 +1.2
SFJD	SFJD Kangerlussuaq	66.40 9 i/P	P	06 42 35.4 +1.2
VSU	Vasula	66.40 332 eP	P	06 42 34.6 +0.3
FRB	Frobisher Bay	66.49 18 P	P	06 42 35.0 +0.2
PD31	Pinedale Array	66.56 52 eP	P	06 42 37.0 +1.0
PDAR	Pinedale Array	66.56 52 P	P	06 42 37.0 +1.0
PDAR	Pinedale Array	66.56 52 eP	P	06 42 37.1 +1.2
VSR	Storozhevo	66.95 321 eP	P	06 42 36.5 -1.4
VSR		comp=Z,6.0nm,0.8s	pmax	
WRAB	Tennant Creek	67.07 197 eP	P	06 42 40.5 +1.5
WRAB		comp=Z,7.0nm,1.3s	pmax	
WB2	Warramunga Arr	67.08 197 eP	P	06 42 40.2 +1.2
WB1	Warramunga Arr	67.08 197 eP	P	06 42 40.6 +1.6
WR1	Warramunga Arr	67.08 197 eP</		



Table with columns: LAGR, Lagunnoye, 4.02 253, PN, Pn, 06 44 47.6 +2.3, 06 45 33.8 +2.5, etc.

Table with columns: HKT, Hockley, 16.37 332, ePn, Pn, 06 55 27.7 +1.4, 06 55 28.4 -1.5, etc.

Table with columns: GBAS, Gorenja Brezov, 0.21 303, i/Pg, Pg, 06 57 09.7 -0.1, 06 57 12.8 +0.1, etc.

10C 21 06:51:33.5-1.0, 15:26N:87:15W, h0km, mb3.6/7, mb1.0/9, mb1mx3.7/45, mbtmp3.7/9, ML3.5/2, MS3.2/7, Ms1.3/2.7, ms1mx2.9/30, Error ellipse: s-maj=21.8km s-min=14.8km az=18.0

W18A Petrified Forest 28.05 318 eS S 07 02 10.1 -4.0 X16A Lo Mia Camp, P 26.77 315 eP S 06 57 38.7 +3.9

PRU 21 06:57:50.5-0.0, 49:41N:20:17E, h3km IPEC 21 06:57:51.0-0.1, 49:46N:20:24E, h2km, ML2.6/5, Error ellipse: s-maj=0.7km s-min=0.6km az=3.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, TGUH Tegucigalpa, Un, 1.50 182, Op, ISC, h m s, ISC, 06 52 24.1 +0.5, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ROM 21 06:56:24.0-0.1, 43:449N:0:004, 12:299E:0:004, h9km, ML1.0/3, Error ellipse: s-maj=0.4km s-min=0.1km az=14.0, Central Italy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, NIE Niedzica 0.10 161, ePg, Pg, 06 57 52.7 +0.1, etc.

21d 7h

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

ADC 21 07:05:19.8±2.1, 49.67N:156.89E, h0km, mb3.5/4, mb1 3.8/5, mb1mx3.4/5.1, mbtmp3.5/5, ML2.8/1, Error ellipse: s-maj=46.5km s-min=39.6km az=40.0

MOS 21 07:05:21.6±0.2, 49.90N:157.81E, h56km, mb4.0/1, Error ellipse: s-maj=27.1km s-min=5.2km az=87.6

KRSC 21 07:05:25.6±10.0, 50.02N:157.72E, h61km, mb5.0/ML4.2 SKHL 21 07:05:26.9±0.1, 49.88N:157.62E, h50km, mb5.0/1

ISC 21 07:05:27.2±2.9, 50.0N:0.2±157.53E, h0.0, h45km, n15, n49, n104/67, mb3.7/5, 1C-1D, East of Kuril Islands

Main table for 21d 7h section, listing station names, coordinates, and various parameters. Includes stations like SKR, PAU, ASAK, etc.

ADC 21 07:11:15.2±5.4, 12.25N-85.83W, h0km, mb3.0/3, mb1 3.7/5, mb1mx3.3/2.5, mbtmp3.1/3, Error ellipse: s-maj=136.2km s-min=93.1km az=44.0, Nicarragua

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes station TXAR.

2013 APR

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

ADC 21 07:11:20.3±0.9, 9.14S:158.25E, h0km, mb3.8/6, mb1 4.0/6, mb1mx3.7/3.2, mbtmp3.6/6, MS3.6/1, Ms1 3.6/1, ms1mx2.7/2.0, Error ellipse: s-maj=27.9km s-min=19.1km az=174.0

ISC 21 07:11:23.5±0.9, 9.25S:0.2±158.28E, h0.0, h23km, n15, n142/10, mb3.8/6, Bougainville-Solomon Islands region

Main table for 2013 APR section, listing station names, coordinates, and various parameters. Includes stations like HNR, WRA, ASAR, etc.

ATH 21 07:13:19.5, 37.91N-20.58E, h16km, 4km, ML2.0/5, Error ellipse: s-maj=4.6km s-min=1.2km az=27.0, Ionian Sea

Main table for ATH section, listing station names, coordinates, and various parameters. Includes stations like KFL, VLS, etc.

TIR 21 07:33:15.8, 39.83N-20.06E, h7km, Md2.6/4, ATH 21 07:33:16.3, 39.84N-20.10E, h7km, 3km, ML2.6/2, Error ellipse: s-maj=3.9km s-min=1.0km az=246.0

ISC 21 07:33:16.5±1.0, 39.82N:0.02±20.08E, h0.0, h4km, n10km, n25, n125/36, Greece-Albania border region

Main table for TIR/ATH/ISC section, listing station names, coordinates, and various parameters. Includes stations like SRN, KASA, etc.

ADC 21 07:34:03.6±1.4, 15.28N-87.01W, h0km, mb3.3/3, mb1 3.7/5, mb1mx3.4/3.7, mbtmp3.5/5, ML3.5/2, Error ellipse: s-maj=34.2km s-min=19.7km az=54.0, Honduras

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes station APG.

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

TIR 21 07:34:07.7, 39.75N-19.79E, h12km, Md2.4/4, ATH 21 07:34:11.2, 39.87N-20.09E, h12km, 5km, ML2.6/3, Error ellipse: s-maj=5.9km s-min=0.9km az=216.0

THE 21 07:34:11.3, 39.86N-20.09E, h5km, 5km, ML2.6/6, Error ellipse: s-maj=5.7km s-min=0.8km az=298.0

ISC 21 07:34:11.2±1.0, 39.84N:0.02±20.09E, h0.0, h3km, n9km, n30, n083/45, Greece-Albania border region

Main table for TIR/ATH/THE/ISC section, listing station names, coordinates, and various parameters. Includes stations like SRN, KASA, etc.

MOS 21 07:46:22.8±1.1, 49.63N:157.66E, h50km, mb4.0/1, Error ellipse: s-maj=30.2km s-min=15.7km az=90.0

SKHL 21 07:46:30.2±0.4, 49.59N:157.61E, h50km, mb5.1/2, KRSC 21 07:46:30.3±10.0, 49.91N:157.86E, h53km, 10km, ML4.2, East of Kuril Islands

Main table for MOS/SKHL/KRSC section, listing station names, coordinates, and various parameters. Includes stations like Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters.

IDD 21 07:46:41.3-0.6, 15:51N-87:02'W, h0km, mb4.5/21, mb1 4.7/24, mb2 1mx4.5/36, mbtpm4.5/24, ML3.4/3, MS3.9/22, Ms1 4.0/22, ms1mx3.7/41, Error ellipse: s-maj=17.1km s-min=10.4km az=38.0

MOS 21 07:46:43.3-1.0, 15:71N-87:02'W, h14km, mb5.0/59, Error ellipse: s-maj=9.5km s-min=5.3km az=91.7

NEIC 21 07:46:44.2-0.3, 15:60N-87:20'W, h15km, mb4.7/76, MD5.0(SNET), Error ellipse: s-maj=6.1km s-min=4.4km az=64.0

NEIC Felt at El Progreso and Tegucigalpa. Felt [I] at San Salvador, El Salvador.

UCR 21 07:46:45.8-2.7, 15:75N-87:50'W, h15km, MD4.4, ML4.8, mb4.7(NEIC)

GCMT 21 07:46:45.2-0.3, 15:80N-0:03:87:23W-0:02, h17km, 1km, MW4.9/71, Moment Tensor Solution. s27.c31; s71.c99; Duration: 0 Moment tensor: Scale 10<sup>19</sup>Nm; Mir-2.32e-16; M<sub>0</sub>0.03e+10; M<sub>0</sub>2.29e+11; M<sub>0</sub>0.61e+32; M<sub>0</sub>0.98e+07; M<sub>0</sub>0.97e+28; Best double couple: M<sub>0</sub>2.74300e+10<sup>16</sup> NP1.0e206.000000, 657.000000, -1-84.000000. NP2: 0e14.000000, 833.000000, -1-100.000000. Principal axes: T 2.90000, Plg12.00000, Azm291.00000; N -0.3120, Plg5.00000, Azm23.00000; P -2.5860, Plg77.00000; Azm136.00000; N1 axis refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 07:46:44.1-1.7, 15:70N-0:03:87:19W-0:04, h16km, 11km, n679, t1942/645, mb4.8/111, MS3.9/24, 10C-4D, Honduras

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
TGUH	Tegucigalpa,Un	1.63	183	Op	07 47 10.9	-1.2
TGUH	Tegucigalpa,Un	1.63	183	eS	07 47 31.3	-1.4
TGUH	Tegucigalpa,Un	1.63	183	eP	07 47 10.6	-1.5
CAHU	Cacucuatique	2.15	207	eP	07 47 33.7	-0.4
CAHU	Cacucuatique	2.15	207	eS	07 47 18.8	-0.7
VICT	Victoria	2.22	219	eP	07 47 47.7	+1.7
VICT	Victoria	2.22	219	eS	07 47 48.2	+1.6
VICT	Victoria	2.22	219	IAML	07 47 54.9	
MTOS	Montecristo	2.46	239	eP	07 47 21.6	-2.2
LCND	La Caada	2.47	196	eP	07 47 21.4	+2.3
LCND	La Caada	2.47	196	eS	07 47 35.9	+1.8
PACA	Pacayal	2.47	207	IAML	07 48 04.1	
MRL	Marmol	2.48	256	eP	07 47 22.3	-1.8
CNCH	Conchagua	2.48	195	eP	07 47 23.4	-0.6
CNCH	Conchagua	2.48	195	IAML	07 48 01.8	
ESTN	Estel	2.70	163	ePn	07 47 29.4	+2.6
ESTN	Estel	2.70	163	eP	07 47 29.6	+2.7
CSGN	Cosiguina Volc	2.73	188	ePn	07 47 28.9	+1.7
CSGN	Cosiguina Volc	2.73	188	eS	07 47 28.9	+1.5
CSGN	Cosiguina Volc	2.73	188	IAML	07 48 13.3	
CRIN	San Cristobal	2.98	177	eP	07 47 34.0	+3.2
CEVE	Cerro Verde	3.00	232	IAML	07 48 32.3	
MATN	Matagalpa	3.01	156	eP	07 47 33.5	+2.3
MATN	Matagalpa	3.01	156	IAML	07 48 16.1	
TELN	Telica	3.09	174	eP	07 47 35.6	+3.3
TEL3	Telica 3	3.12	174	eP	07 47 35.6	+2.9
CNGN	Cerro Negro	3.21	171	eP	07 47 35.8	+1.9
APG	El Apazote	3.23	258	Pn	07 47 32.4	-2.0
APG	El Apazote	3.23	258	eP	07 47 40.8	-0.5
APG	El Apazote	3.23	258	Sb	07 48 20.3	-0.2
APG	El Apazote	3.23	258	LR	07 49 06.1	
APG	El Apazote	3.23	258	Lg	07 49 06.1	
NBG	Las Mutas	3.24	251	eP	07 47 33.3	-1.2
MOMN	Momotombo	3.33	169	eP	07 47 38.5	+3.1
IXG	Ixcap	3.49	245	eP	07 47 37.2	-0.7
MGAN	Managua	3.64	165	eP	07 47 44.7	-3.4
FUG	Fuego 3	3.74	251	eP	07 47 40.4	-3.0
ACON	Acoyola	4.19	152	ePb	07 47 55.9	+1.5
CONN	Concepcion	4.38	160	eP	07 47 55.9	-4.7
ESPN	Las Esperanzas	4.47	141	ePn	07 47 58.4	-3.8
ESPN	Las Esperanzas	4.47	141	eP	07 47 57.4	-4.7
TEIG	Tepich	4.62	347	ePn	07 47 51.1	-2.1
COIG	Comitan	4.80	278	ePn	07 47 46.5	-0.2
MYIG	Mrida	5.77	336	ePn	07 47 54.9	-0.9
JTS	JuntasAbangare	5.80	158	Pn	07 48 07.5	-1.5
JTS	JuntasAbangare	5.80	158	Pn	07 48 07.4	-2.0
JTS	JuntasAbangare	5.80	158	Lg	07 49 36.1	
JTS	JuntasAbangare	5.80	158	Lg	07 49 09.1	-0.3
JTS	JuntasAbangare	5.80	158	eP	07 48 09.1	-0.3
JTS	JuntasAbangare	5.80	158	eP	07 48 09.1	-0.3
TRT1	Tortuguero	6.10	162	eP	07 48 20.7	+3.9
HDC	Heredia	6.40	152	ePn	07 48 23.6	+5.7
FSCY	Frank Sound, G	6.76	57	ePn	07 48 21.1	-1.6
EDLM	Las Mercedes	7.28	151	ePn	07 48 34.1	+4.2
CMIG	Matias Romero	7.52	282	Pn	07 48 33.4	+0.3
CMIG	Matias Romero	7.52	282	Sb	07 49 53.0	-5.0
CMIG	Matias Romero	7.52	282	Lg	07 50 46.8	
CMIG	Matias Romero	7.52	282	Lg	07 50 46.8	
MTDJ	Mount Denham	9.57	73	ePn	07 49 02.2	+0.9
LVIG	Laguna Verde	9.66	296	ePn	07 49 00.2	-2.3
BCIP	Isla Barro Col	9.68	131	ePn	07 49 02.2	-0.5
BCIP	Isla Barro Col	9.68	131	eP	07 49 02.2	-0.5
BBJ	Bamboo Saint A	9.86	73	iP	07 49 06.4	+1.2
STH	Stony Hill	10.21	75	iP	07 49 11.1	+1.0
HOJ	Hope	10.25	76	iP	07 49 10.5	-0.1
GWJ	Greenwich	10.29	75	iP	07 49 13.2	+2.0
TLIG	Tiapa	11.06	281	ePn	07 49 20.8	-1.0
061Z	Ochoppi	11.70	29	ePn	07 49 28.7	-1.6
GTYB	Guantanamo Bay	12.25	58	ePn	07 49 37.1	-0.8
060Z	West Palm Beac	12.32	29	Pn	07 49 38.8	0.0
058A	Arcadia	12.36	23	Pn	07 49 39.2	-0.2
058A	Moore Haven	12.55	26	Pn	07 49 43.2	+1.3
059A	Moore Haven	12.55	26	Pn	07 49 42.4	+0.5
060A	Indianatown	12.95	28	ePn	07 49 49.4	+2.0
MOIG	Morelia	13.92	289	ePn	07 49 56.4	-4.5
757A	Oxford	14.00	19	Pn	07 50 00.8	-1.0
655A	Horseshoe Beac	14.22	14	Pn	07 50 04.1	-0.7
JAKH	Jacmel	14.26	78	ePn	07 50 04.0	-1.4
656A	Willston	14.27	17	ePn	07 50 03.9	-1.8
656A	Willston	14.27	17	Pn	07 50 04.9	-0.6
758A	Lake Helen	14.31	22	Pn	07 50 05.6	-0.5
658A	Bunnell	14.71	21	ePn	07 50 10.5	-1.0
555A	McAlpin	14.87	14	Pn	07 50 12.2	-1.5
555A	McAlpin	14.87	14	Pn	07 50 13.1	-0.6
453A	Whigham	15.32	9	Pn	07 50 18.6	-1.0
455A	Stateville	15.46	14	Pn	07 50 21.0	-0.4
5DDR	Presa de Saban	15.53	76	ePn	07 50 21.1	-1.4
351A	Pinckard	15.58	5	Pn	07 50 22.6	-0.4
349A	Repton	15.58	360	Pn	07 50 22.6	-0.5
350A	Repton	15.58	360	Pn	07 50 22.6	-0.5
350A	Repton	15.58	360	Pn	07 50 24.1	-0.1
456A	Hilliard	15.69	17	Pn	07 50 24.1	-0.4
353A	Camilla	15.82	9	Pn	07 50 26.5	+0.5
352A	Blakely	15.85	7	Pn	07 50 27.1	+0.6
TIGA	Tifton	16.03	11	ePn	07 50 25.3	-3.3
TIGA	Tifton	16.03	11	Pn	07 50 29.3	+0.7
355A	Pearson	16.07	14	Pn	07 50 30.5	+1.1

ZAIG	Zacatecas	16.13	298	ePn	P	07 50 36.2	+2.5
250A	Grady	16.23	3	ePn	P	07 50 33.0	-1.4
250A	Grady	16.23	3	Pn	Pn	07 50 32.5	+1.0
356A	Blackshear	16.23	16	P	Pn	07 50 32.2	+0.8
HKT	Hockley	16.26	332	ePn	Pn	07 50 29.8	-2.0
HKT	Hockley	16.26	332	eP	Pn	07 50 29.8	-2.0
HKT	Hockley	16.26	332	ePmax	Pnmax	07 50 29.8	-2.0
BANI	BANI	16.32	78	Pn	Pn	07 50 25.6	-7.1
252A	Lumpkin	16.38	7	eP	Pn	07 50 33.8	+0.5
251A	Midway	16.40	5	P	Pn	07 50 34.7	+1.1
253A	Americus	16.53	9	ePn	P	07 50 36.7	-1.1
253A	Americus	16.53	9	P	P	07 50 36.3	+1.1
254A	Abbeville	16.56	12	P	P	07 50 37.0	-1.1
ROSC	El Rosal	16.62	129	Pn	P	07 50 38.6	-0.7
ROSC	El Rosal	16.62	129	LR	LR	07 57 39.8	
ROSC	El Rosal	16.62	129	ePn	Pn	07 50 35.8	-1.0
255A	Hazlehurst	16.72	14	ePn	Pn	07 50 38.4	+0.8
255A	Hazlehurst	16.72	14	P	P	07 50 39.1	-0.7
VBMS	Vicksburg	16.73	350	ePn	P	07 50 39.1	-0.8
VBMS	Vicksburg	16.73	350	P	P	07 50 39.0	-1.0
149A	Jones	16.83	1	P	Pn	07 50 39.7	+0.6
151A	Opelika	16.84	5	P	Pn	07 50 39.1	-0.1
150A	Eclectic	16.87	3	P	Pn	07 50 38.8	-0.7
148A	Greshboro	16.88	359	P	Pn	07 50 39.7	+0.1
833A	Chaparral WMA	16.89	320	ePn	Pn	07 50 40.2	+0.3
833A	Chaparral WMA	16.89	320	Pn	Pn	07 50 39.5	-0.4
147A	Livingston	16.93	357	P	Pn	07 50 40.5	+0.2
152A	Waverly Hall	17.05	7	ePn	P	07 50 44.4	+0.9
152A	Waverly Hall	17.05	7	P	Pn	07 50 41.2	-0.5
153A	Fort Valley	17.15	10	P	Pn	07 50 43.7	+0.6
154A	Montrose	17.25	12	ePn	Pn	07 50 43.9	-0.3
LRAL	Lakeview Retre	17.26	1	eP	P	07 50 46.3	+0.4
LRAL	Lakeview Retre	17.26	1	P	P	07 50 45.2	-0.7
NATX	Nacogdoches	17.38	338	ePn	P	07 50 48.1	+0.8
NATX	Nacogdoches	17.38	338	Pn	Pn	07 50 46.2	+0.2
155A	Kite	17.39	13	P	Pn	07 50 46.4	+0.4
Z49A	Columbiana	17.43	2	Pn	Pn	07 50 45.8	-0.7
Z50A	Ashland	17.52	4	ePn	Pn	07 50 47.1	-0.6
Z50A	Ashland	17.52	4	P	Pn	07 50 46.8	-0.9
SDV	Santo Domingo	17.53	111	ePn	Pn	07 50 46.0	-2.1
SDV	Santo Domingo	17.53	111	S	S	07 53 59.5	-3.6
SDV	Santo Domingo	17.53	111	LR	LR	07 58 56.0	
SDV	Santo Domingo	17.53	111	ePn	Pn	07 50 46.7	-1.3
SDV	Santo Domingo	17.53	111	Sb	Sb	07 53 59.5	-3.6
Z52A	Williamson	17.60	8	P	Pn	07 50 47.1	-1.5
OTAV	Otavallo	17.62	150	eP	P	07 50 50.3	-0.1
OTAV	Otavallo	17.62					



21d 7h

MTP	Monte Pirata	20.84	80	eP	P	07 51 26.3 +1.1
U44A	Portageville	20.84	354	P	Pn	07 51 26.7 -0.8
U52A	Thorn Hill	20.89	9	P	P	07 51 26.9 +1.2
V56A	Mocksville	20.91	15	P	P	07 51 27.0 +1.2
U53A	Fall Branch	20.99	10	P	Pn	07 51 29.1 -0.2
U41A	Viola	20.99	349	P	P	07 51 27.9 +1.2
TZTN	Tazewell	21.02	8	P	P	07 51 28.3 +1.3
W60A	Pink Hill	21.07	22	P	P	07 51 28.4 +0.9
CNCC	Cliffs of the	21.17	21	eP	P	07 51 29.4 +0.8
CNCC	Cliffs of the	21.17	21	P	P	07 51 28.8 +0.2
V57A	Collrane Farms	21.17	17	P	P	07 51 28.8 +0.2
U40A	Yellville	21.19	347	P	P	07 51 31.2 +2.4
T47A	Sharon Grove	21.21	0	P	P	07 51 30.6 +1.6
T45A	Paducah	21.28	357	eP	P	07 51 31.8 +2.0
U54A	Nelsons Funny	21.29	12	P	P	07 51 31.5 +1.6
T48A	Gowling Green	21.34	2	P	P	07 51 31.4 +1.0
T50A	Nancy	21.34	5	P	P	07 51 31.8 +1.3
HHAR	Hobbs	21.37	345	eP	P	07 51 33.5 +2.8
T49A	Edmonton	21.38	4	eP	P	07 51 32.8 +1.9
T49A	Edmonton	21.38	4	P	P	07 51 32.4 +1.6
T51A	Gray	21.38	7	P	P	07 51 33.3 +2.4
STVI	Saint Thomas	21.42	80	eP	P	07 51 33.0 +1.5
U55A	TAZ, Sparta	21.43	14	P	P	07 51 32.4 +0.9
W61A	Ground Anchor	21.45	23	P	P	07 51 33.2 +1.6
V59A	Middlesex	21.53	20	P	P	07 51 34.8 +2.3
TUL1	Leonard	21.55	341	eP	P	07 51 34.0 +1.2
TUL1	Leonard	21.55	341	P	P	07 51 33.5 +0.8
T53A	Wise	21.60	10	P	P	07 51 33.9 +0.6
WMOK	Wichita Mounta	21.64	333	P	P	07 51 35.0 +1.3
T52A	Hallie	21.65	9	P	P	07 51 35.1 +1.3
S47A	Hartford	21.82	1	P	P	07 51 37.1 +1.6
T54A	Tazewell	21.86	12	P	P	07 51 37.8 +1.8
V60A	Jim Taylor Roa	21.87	22	P	P	07 51 36.3 +0.2
S48A	Wedeman Farm,	21.90	2	P	P	07 51 36.8 +0.4
S46A	Don Dixon Farm	21.91	359	P	P	07 51 37.5 +1.0
S45A	Carrier Hill	21.93	357	P	P	07 51 36.8 +0.1
U58A	Oxford	22.00	19	P	P	07 51 38.5 +0.9
SIUC	Southern Illin	22.01	356	eP	P	07 51 39.1 +1.5
S50A	Richmond	22.04	6	P	P	07 51 39.2 +1.3
S49A	Springfield	22.07	4	P	P	07 51 39.5 +1.3
T55A	Pulaski	22.08	14	P	P	07 51 40.0 +1.6
S51A	Beattyville	22.09	8	eP	P	07 51 40.3 +1.8
S51A	Beattyville	22.09	8	P	P	07 51 39.7 +1.3
S41A	Jilco Farms,	22.18	350	P	P	07 51 40.0 +0.6
T56A	Rocky Mt	22.18	15	P	P	07 51 41.8 +2.3
USIN	University of	22.19	359	eP	P	07 51 40.7 +1.2
S52A	Salversville	22.20	9	P	P	07 51 41.5 +1.8
U59A	Littleton	22.21	20	P	P	07 51 41.4 +1.6
BLA	Blacksburg	22.26	14	P	P	07 51 41.2 +0.9
S53A	Williamson	22.35	11	P	P	07 51 41.4 0.0
T57A	Hurt	22.36	17	P	P	07 51 41.2 -0.2
R46A	Gibson Southern	22.43	359	P	P	07 51 43.4 +1.3
WCI	Wyandotte Cave	22.46	2	P	Pmax	07 51 44.5 +2.0
WCI	Wyandotte Cave	22.46	2	P	Pmax	07 51 43.8 +1.3
WCI	Wyandotte Cave	22.46	2	P	P	07 51 44.0 +0.9
R47A	Wooly Knot Far	22.52	1	P	P	07 51 44.4 +1.3
R44A	Waltonville	22.53	356	P	P	07 51 45.2 +2.0
R45A	Skylar, Fairri	22.53	358	P	P	07 51 44.5 +1.3
CCM	Cathedral Cave	22.56	352	P	Pmax	07 51 45.2 +1.7
CCM	Cathedral Cave	22.56	352	P	Pmax	07 51 43.7 +0.2
R49A	Shelbyville	22.58	4	P	P	07 51 44.7 +1.0
R50A	Paris	22.64	6	P	P	07 51 44.4 +0.1
R51A	Hillsboro	22.74	7	P	P	07 51 46.7 +1.3
S55A	Lewisburg	22.77	14	P	P	07 51 47.0 +1.2
R41A	Rosebud	22.82	351	P	P	07 51 47.5 +1.2
T59A	Double "B" Far	22.85	20	P	P	07 51 48.4 +1.8
S56A	Natural Bridge	22.91	16	P	P	07 51 48.4 +1.2
MSTX	Muleshoe	22.99	325	P	P	07 51 49.0 +0.7
MNTX	Cornuda Mount	22.99	317	P	P	07 51 48.9 +0.7
R53A	Hurricane	23.02	11	P	P	07 51 49.3 +1.0
AMTX	Amarillo	23.12	328	P	P	07 51 50.1 +0.6
Q45A	Warren Harvey,	23.13	358	P	P	07 51 50.8 +1.3
S57A	Dark Hollow, R	23.15	17	P	P	07 51 51.4 +1.7
Q47A	Bedord North L	23.16	2	P	P	07 51 51.4 +1.7
Q48A	North Vernon	23.18	3	P	P	07 51 50.2 +0.2
Q50A	Georgetown	23.23	6	P	P	07 51 51.9 +1.4
Q43A	New Douglas	23.26	355	P	P	07 51 52.6 +1.8
S58A	Poland Farm, P	23.28	19	P	P	07 51 52.8 +1.8
Q49A	Aurora	23.31	5	P	P	07 51 52.7 +1.4
Q42A	Golden Eagle	23.32	353	P	P	07 51 52.4 +1.1
R55A	Marlinton	23.35	14	P	P	07 51 53.1 +1.4
BLO	Bloomington	23.39	1	eP	P	07 51 53.3 +1.1
BLO	Bloomington	23.39	1	P	P	07 51 53.3 +1.1

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BLO	comp=Z,38nm,1.0s			pmax	pmax	
Q51A	Peebles	23.49	8	P	P	07 51 54.9 +1.8
Q52A	Bidwell	23.58	10	P	P	07 51 55.1 +1.2
R58B	Mineral	23.66	19	eP	P	07 51 56.9 +2.2
R58B	Mineral	23.66	19	P	P	07 51 54.7 0.0
P47A	Martinsville	23.72	2	P	P	07 51 55.8 +0.5
P44A	Sand Creek, WI	23.72	357	P	P	07 51 55.2 -0.1
P48A	Milroy	23.73	3	P	P	07 51 55.3 -0.1
P45A	Graceland, Par	23.75	359	eP	P	07 51 56.9 +1.3
P45A	Graceland, Par	23.75	359	P	P	07 51 54.2 -1.4
P46A	Rosedale	23.83	360	P	P	07 51 56.0 -0.3
P49A	Miami Univ. Ec	23.85	5	P	P	07 51 56.4 -0.1
Q54A	Coxs Mills	23.86	12	P	P	07 51 56.8 +0.1
P43A	Skaggs, Pawnee	23.94	356	P	P	07 51 57.9 +0.4
P51A	Williamsport	23.97	8	P	P	07 51 58.7 +1.0
P50A	Jamestown	24.01	6	P	P	07 51 59.7 +1.6
CBN	Corbin Frederi	24.04	19	eP	P	07 51 59.8 +1.5
CBN	Corbin Frederi	24.04	19	P	P	07 51 59.6 +1.3
Q55A	Buckhannon	24.04	14	P	P	07 51 59.6 +1.2
P53A	Whipple	24.24	11	P	P	07 52 01.8 +1.6
P52A	Coring	24.26	10	P	P	07 52 01.3 +1.0
ATAH	Atahualpa	24.30	158	LR	LR	08 00 41.3
O44A	Manfield	24.39	358	P	P	07 52 01.2 -0.4
O47A	Sheridan	24.47	2	P	P	07 52 03.0 +0.7
O45A	Potomac	24.47	359	P	P	07 52 01.5 -0.8
O49A	Covington	24.53	5	eP	P	07 52 04.1 +1.2
O49A	Covington	24.53	5	P	P	07 52 02.4 -0.4
P54A	Burton	24.53	13	P	P	07 52 03.5 +0.6
O48A	Farmland	24.54	4	P	P	07 52 03.6 +0.7
O41A	Pataskala	24.54	353	P	P	07 52 03.0 +0.1
O50A	Cable	24.56	7	P	P	07 52 04.4 +1.3
P55A	Reedsville	24.58	14	P	P	07 52 03.6 +0.2
SFIN	Lafayette	24.59	0	P	P	07 52 03.7 +0.3
O51A	Pataskala	24.69	8	P	P	07 52 05.3 +1.0
ACSO	Alum Creek Sta	24.72	8	eP	P	07 52 06.2 +1.7
ACSO	Alum Creek Sta	24.72	8	P	P	07 52 04.4 -0.2
MCWV	Mont Cheate	24.72	14	P	P	07 52 04.9 +0.3
KSU1	Kansas State U	24.74	342	eP	P	07 52 05.7 +0.9
O52A	Adamsville	24.77	10	P	P	07 52 06.3 +1.3
HDIL	Hopedale	24.84	356	eP	P	07 52 07.0 +1.3
HDIL	Hopedale	24.84	356	P	P	07 52 05.1 -0.5
O53A	New Philadelph	25.01	11	P	P	07 52 07.6 +0.4
N44A	Piper City	25.02	358	P	P	07 52 07.6 +0.3
O54A	Aves	25.11	12	P	P	07 52 08.5 +0.4
121A	Cookes Peak, D	25.11	316	P	P	07 52 10.1 +1.7
N46A	Monticello	25.11	1	P	P	07 52 08.5 +0.5
N41A	Harden Midland	25.12	353	eP	P	07 52 09.3 +1.1
N47A	Urbana	25.13	3	P	P	07 52 08.2 0.0
N48A	Decatur	25.14	4	P	P	07 52 09.1 +0.7
N43A	Stutzman Famil	25.21	356	P	P	07 52 08.5 -0.5
N50A	Nevada	25.23	7	P	P	07 52 08.8 -0.4
N49A	Columbus Grove	25.27	5	eP	P	07 52 11.0 +1.4
N49A	Columbus Grove	25.27	5	P	P	07 52 10.3 +0.8
N40A	Mertquage, S	25.29	352	P	P	07 52 10.4 -0.2
N51A	Ashland	25.48	8	P	P	07 52 12.4 +1.0
N52A	McGinn's Farm,	25.48	10	P	P	07 52 11.9 +0.4
O56A	Blue Knob Stat	25.61	15	P	P	07 52 13.6 +0.9
M44A	Midewin, Midew	25.61	359	P	P	07 52 14.7 +2.1
N53A	Lisbon	25.62	11	P	P	07 52 14.8 +2.1
M43A	Waltham Townsh	25.70	357	P	P	07 52 14.4 +1.1
M41A	Milan	25.75	354	P	P	07 52 14.6 +0.7
ANMO	Albuquerque	25.81	321	P	P	07 52 16.7 +1.9
ANMO	Albuquerque	25.81	321	eP	LR	08 05 19.9
ANMO	Albuquerque	25.81	321	eP	pmax	07 52 16.1 +1.4
ANMO	Albuquerque	25.81	321	P	pmax	07 52 16.2 +1.4
TASM	ASL Pad, Albuq	25.81	321	P	P	07 52 14.8 0.0
TASM	ASL Pad, Albuq	25.81	321	P	P	07 52 15.4 +0.6
M49A	Liberty Center	25.84	6	P	P	07 52 15.1 +0.5
M50A	Fremont	25.87	7	P	P	07 52 16.0 +1.1
M40A	Post Highland	25.89	353	P	P	07 52 15.6 +0.4
N54A	Moraine State	25.94	13	P	P	07 52 15.9 +0.3
M39A	Webster	26.05	351	P	P	07 52 16.4 -0.2
SSPA	Stanton Stone	26.13	16	P	P	07 52 19.4 +2.1
M52A	Chesterland	26.24	10	P	P	07 52 20.8 +2.4
L47A	Sherwood	26.25	3	P	P	07 52 20.1 +1.8
T25A	Trinidad	26.26	328	P	P	07 52 19.8 +1.0
M53A	Wi Miller and	26.27	11	P	P	07 52 18.9 +0.3
L42A	Oliver, Polo	26.30	356	P	P	07 52 19.2 +0.3
L41A	Preston	26.44				



21d 8h

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like PLOST, VRI, ODBI, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like MANR, CRAR, SRE, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like MANR, CRAR, SRE, etc.

2025 APR

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like MANR, CRAR, SRE, etc.

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Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like SUDU, VYHNE, MODS, etc.

IDC 21 08:43:36.2:2.1,6:39S:130:44E,h0km,mb3.9/1, mb1 4.0/4,mb1mx3.6/40,mb1mx3.9/4,ML4.1/3,Error ellipse: s-maj=55.5km s-min=30.8km az=77.0, Banda

Table with columns: Code, Station Name, Frequency, Power, and other parameters. Includes stations like BATI, FITZ, WRA, etc.

IDC 21 08:45:35.9:1.0,30:29N:102:98E,h0km,mb3.7/10, mb1 3.8/1.1,mb1mx3.5/6,mb1mx3.6/11,ML3.1/1,Error ellipse: s-maj=35.7km s-min=17.9km az=59.0

BUI 21 08:45:39.6,30:35N:102:88E,h22km,ML3.5/8

ISC 21 08:45:36.8:1.0,30:29N:102:81E,h0km,n14, c233/17,mb3.8/10,1D,Sichuan

Table with columns: Code, Station Name, Frequency, Power, and other parameters. Includes stations like CD2, XAN, WMO, etc.

KRSC 21 08:45:53.3:10.0,53:11N:162:62E,h72km,10km,ML3.7, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Frequency, Power, and other parameters. Includes stations like KRSC, MYK, NLC, etc.



21d 9h

Table with columns for station code, frequency, power, and signal quality. Includes stations like MK31, MK32, MKAR, MKAZ, MKAZ, etc.

2013 APR

Table with columns for station code, frequency, power, and signal quality. Includes stations like MDJ, MDJ, MDJ, MDJ, MDJ, etc.

1374

Table with columns for station code, frequency, power, and signal quality. Includes stations like MAJO, MAJO, MAJO, MAJO, MAJO, etc.

SVE	comp=Z,42nm,1.1s	pmx	pmx	
SVE		MLR	MLR	
JAGI	comp=Z,623nm,10.0s Jajag, Banyuwa comp=Z,99nm,1.6s	40.04 163 eP	P	09 12 58.6 +0.3
WSAR	Wadi Sarin comp=Z,6.2nm,0.9s,baz=100,slow=3.6,SNR=5.8	40.04 271 P	P	09 12 58.1 -0.2
NRIK	Norilsk comp=Z,23nm,0.8s,baz=149,slow=6.6,SNR=2.8	40.04 352 P	P	09 12 57.3 -0.4
NRIK			LR	09 30 35.3
ARU	comp=Z,17nm,18.1s,baz=258,slow=38	40.47 323 eP	P	09 13 01.6 +0.1
ARU	Arti comp=Z,77nm,1.4s	40.47 323c iP	P	09 13 01.7 +0.2
ARU			S	09 15 02.8
ARU			SS	09 19 12.3 +2.9
ARU			SS	09 22 05.6 -3.0
ARU	comp=Z,27nm,0.9s		MLR	
ARU	comp=Z,512nm,14.0s		MLR	
ASHO	Ashiyah 41.79 274 P	P	09 13 13.7 +0.9	
GUMO	Guam 41.98 104 eP	P	09 13 16.0 +1.7	
GUMO	Guam 41.98 104 eP	P	09 13 16.0 +1.7	
GUMO	comp=Z,93nm,0.8s		MLR	
ASUD	Al Ashush, Dub 42.44 274 P	P	09 13 19.4 +1.4	
MA2	Magadan 43.25 33 P	P	09 13 23.7 -0.4	
MA2	comp=Z,6.0nm,0.8s,baz=307,slow=20,SNR=2.4		LR	09 33 02.6
TIXI	comp=Z,389nm,19.2s,baz=290,slow=38	43.69 12 P	P	09 13 27.0 -0.6
TIXI	Tiksi comp=Z,10nm,0.5s,baz=175,slow=2.7,SNR=4.3	43.69 12 eP	P	09 13 27.0 -0.6
TIXI	Tiksi comp=Z,679nm,18.4s,baz=234,slow=38	43.69 12 eP	P	09 13 26.6 -1.0
TIXI	Tiksi comp=Z,180nm,2.0s	43.69 12c iP	P	09 13 27.2 -0.3
TIXI	PUL		pmx	
SOEI	Soe 44.80 150 eP	P	09 13 37.0 -0.1	
BATI	Baumata 44.94 151 P	P	09 13 36.5 -1.7	
SEY	Seymchan 45.22 29 P	P	09 15 20.3 +0.6	
SEY	Seymchan 45.22 29 P	P	09 13 39.1 -0.8	
PETK	Petropavlovsk- 45.40 44 eP	P	09 13 41.0 -0.5	
PETK	Petropavlovsk- 45.40 44 eP	P	09 13 41.0 -0.5	
PEAT	PEAT 45.40 44 eP	P	09 13 41.0 -0.5	
MAK	Makhachkala 45.52 302 eP	P	09 13 40.8 -1.7	
MAK			eS	09 15 26.7
MAK			S	09 20 23.3 -0.5
MAK	comp=Z,35nm,0.4s		MLR	
MAK	comp=Z,283nm,14.0s		MLR	
KIRV	Kirov 45.82 324 P	P	09 13 45.0 +0.4	
KIRV	comp=Z,22nm,0.6s,baz=106,slow=7.4,SNR=6.9	45.96 44 eP	P	09 13 48.7 +2.9
PET	Petropavlovsk- 45.96 44 eP	P	09 15 35.6	
PET			eS	09 20 31.8 +2.0
PET	comp=Z,100nm,11.9s		pmx	
PET	comp=Z,100nm,12.3s		pmx	
PET	comp=Z,100nm,12.3s		MLR	
GROC	Groznyy 46.75 302 eP	P	09 13 50.0 -2.2	
GROC			e	09 15 25.3
GROC			eS	09 15 42.3
GROC			S	09 20 36.1 -5.4
GROC			pmx	
TBLG	Delisi 47.66 301 eP	P	09 14 01.0 +1.6	
TBLG	Delisi 47.66 301 eP	P	09 14 01.0 +1.6	
TBLG	comp=Z,12nm,0.7s		MLR	
GNI	Garni 47.83 298 P	P	09 14 00.9 0.0	
GNI	comp=Z,6.3nm,0.7s,baz=192,slow=4.5,SNR=7.4	47.83 298 eP	P	09 14 02.0 +1.0
GNI	Garni 47.83 298c iP	P	09 14 01.9 +1.0	
GNI	Garni 47.83 298 P	P	09 14 02.2 +1.3	
ZEI	Tsey 48.17 302 eP	P	09 14 03.7 +0.1	
ZEI			pmx	
PRGR	Permogore 48.39 327 eP	P	09 14 01.1 -3.5	
PRGR			pmx	
KBZ	Khabaz 48.81 303 P	P	09 14 08.4 +0.2	
KBZ	comp=Z,3.9nm,0.7s,baz=113,slow=7.7,SNR=1.1		LR	09 37 19.4
KVAR	Kislovodsk Arr 48.94 304 P	P	09 14 09.5 +0.1	
KIV	Kislovodsk 48.95 304 eP	P	09 14 09.6 +0.1	
KIV	Kislovodsk 48.95 304 iP	P	09 14 10.2 +0.8	
KIV	Kislovodsk 48.95 304 eP	P	09 14 09.7 +0.3	
KIV	comp=Z,112nm,1.1s		MLR	
KIV	Kislovodsk 48.95 304 P	P	09 14 09.5 +0.1	
NEY	Neytrino 48.99 303i eP	P	09 14 11.1 +1.3	
KARS	Kars 49.03 299 eP	P	09 14 11.4 +1.3	
KARS	Kars 49.03 299 eP	P	09 14 11.4 +1.3	
VRH	Novokhoporsky 49.31 313 eP	P	09 14 11.1 -0.8	
VRH			pmx	
MTN	Manton Dam 50.76 144 eP	P	09 14 21.0 -2.2	
VSR	Storozhevoje 50.92 313i eP	P	09 14 23.1 -1.0	
VSR			pmx	
LPSR	Galich'ya Gora 51.04 315 eP	P	09 14 23.2 -1.8	
LPSR			pmx	
SOC	Sochi 51.13 304 eP	P	09 14 22.9 -2.9	
SOC			eS	09 16 25.6
SOC			eS	09 21 39.2 -3.9
SOC			eSS	09 25 22.1 +4.0
SOC			eSSS	09 26 55.8
SOC	comp=Z,21nm,1.0s		MLR	
KLMR	Klimovskoe 51.16 326i iP	P	09 14 25.5 -0.3	
KLMR			pmx	
KLMR	Klimovskoe 51.16 326i iP	P	09 14 25.5 -0.3	
KLMR			eP	09 14 25.5 -0.3
KLMR			eP	09 14 25.5 -0.3
KLMR			AMP	09 14 26.5
MOS	Moscow 51.82 319 eP	P	09 14 29.2 -1.6	
MOS			e	09 14 38.3
MOS			e	09 15 38.7
MOS	comp=Z,42nm,0.7s		MLR	
MOS			MLR	
TMCR	Tamitsa 52.27 330 eP	P	09 14 34.6 +0.6	
TMCR			pmx	
BILL	Bilibino 52.27 25 eP	P	09 14 33.7 -0.2	
BILL	Bilibino 52.27 25c iP	P	09 14 33.8 -0.2	
BILL			e	09 16 35.4
BILL			eS	09 21 59.2 +1.0

BILL	comp=Z,20nm,0.9s	pmx	pmx	
BILL		MLR	MLR	
OBN	comp=Z,648nm,16.0s	52.42 318i eP	P	09 14 35.4 +0.2
OBN	Obninsk 52.42 318i eP	P	09 15 42.8	
OBN			eS	09 16 36.0
OBN			S	09 22 21.5 +2.1
OBN	comp=Z,13nm,0.9s		MLR	
ANN	Anapa 52.60 305 eP	P	09 14 25.7 -1.1	
ANN	comp=Z,30nm,0.9s		pmx	
ANN	comp=Z,552nm,19.0s		MLR	
FITZ	Fitzroy Crossi 52.86 153 LR	LR	09 39 37.5	
FITZ	Fitzroy Crossi 52.86 153 eP	P	09 14 37.5 -1.4	
MANU	Manus Island 53.13 119 eP	P	09 14 42.0 +0.9	
MANU	Marble Bar 53.66 161 eP	P	09 14 43.9 -0.8	
PSA00	Pilbara Seismi 54.09 161 eP	P	09 14 46.7 -1.1	
LVZ	Lovozero 54.14 334i eP	P	09 14 47.8 0.0	
LVZ			pmx	
APA	Apapaty 54.57 334i iP	P	09 14 52.9 +2.0	
APA	comp=Z,13nm,1.1s		MLR	
SIM	Simferopol' 54.91 306 P	P	09 14 54.0 +0.3	
SIM	JOF		pmx	
SIM	Joensuu 55.17 328 P	P	09 14 55.6 +0.3	
JOF			pmx	
BZK	Bozkuz 55.54 302i iP	P	09 14 58.2 -0.1	
PUL	Pulkovo 55.69 324i eP	P	09 15 02.6 +3.5	
PUL			pmx	
ILGA	Ilgaz 55.94 301 eP	P	09 15 01.6 +0.1	
BR101	Breskino Array S 56.30 300 eP	P	09 15 03.1 -0.8	
BR131	Breskino Array S 56.30 300 eP	P	09 15 03.3 -0.6	
BR131	Breskino Array S 56.30 300 P	P	09 15 03.3 -0.6	
BRTR	Breskino Array B 56.30 300 P	P	09 15 03.1 -0.8	
BRTR	comp=Z,2.3nm,0.8s,baz=103,slow=5.3,SNR=12		LR	09 43 03.0
ANTO	Ankara 56.90 300 eP	P	09 15 08.2 +0.1	
ANTO	Ankara 56.90 300 eP	P	09 15 08.2 +0.1	
ANTO	comp=Z,26nm,0.9s		pmx	
SGF	Sodankylä 57.21 333 P	P	09 15 09.6 -0.1	
AKASG	Malin Array B 57.22 313 P	P	09 15 09.8 -0.4	
AKASG	comp=Z,13nm,0.6s,baz=67,slow=7.0,SNR=35		LR	09 40 15.1
AKBB	Malin Array Si 57.22 313 eP	P	09 15 09.4 -0.7	
AKBB	comp=Z,12nm,0.6s		pmx	
AKBB	Malin Array Si 57.22 313 eP	P	09 15 09.4 -0.7	
AKBB			pmx	
KIEV	Kiev 57.23 313 eP	P	09 15 09.2 -1.0	
KIEV	comp=Z,12nm,0.6s		pmx	
KIEV	Kiev 57.23 313i iP	P	09 15 09.6 -0.6	
KIEV	Kiev 57.23 313 iP	P	09 15 09.5 -0.6	
KIEV	SNR=12		pmx	
KIEV	Kiev 57.23 313c iP	P	09 15 09.2 -1.0	
KIEV			pmx	
AK11	Malin Array Si 57.26 313 eP	P	09 15 09.1 -1.3	
OUL	Oulu 57.53 331 P	P	09 15 12.0 0.0	
OUL			pmx	
SUF	Suinaieni 57.55 328 P	P	09 15 12.9 +0.7	
SUF			pmx	
ARCES	ARCES Array B 57.57 336 P	P	09 15 12.4 +0.1	
ARCES	comp=Z,226nm,18.8s,baz=100,slow=40		LR	09 40 38.3
ARCES	ARCES Array B 57.57 336 eP	P	09 15 11.9 -0.4	
ARCES	ARCES Array B 57.57 336 eP	P	09 15 11.9 -0.4	
VSU	Vasula 57.63 323i eP	P	09 15 12.6 -0.3	
VSU	comp=Z,97nm,0.8s		pmx	
FIA1	FINES Array S 57.68 326 eP	P	09 15 12.4 -0.8	
FIA0	FINES Array S 57.68 326 eP	P	09 15 13.0 -0.2	
FIA0	FINES Array S 57.68 326 eP	P	09 15 13.0 -0.2	
FINES	FINES Array B 57.68 326 P	P	09 15 13.0 -0.2	
FINES	comp=Z,5.6nm,0.8s,baz=97,slow=8.3,SNR=18		LR	09 41 10.7
FINES	FINES Array B 57.68 326 P	P	09 15 13.0 -0.2	
PMG	Port Moresby 57.96 126 eP	P	09 15 15.3 -0.4	
PMG	comp=Z,239nm,0.8s,baz=254,slow=7.7,SNR=6.9		LR	09 41 10.7
PMG	Port Moresby 57.96 126 eP	P	09 15 15.6 -0.2	
PMG	Port Moresby 57.96 126c iP	P	09 15 15.7 0.0	
PMG			pmx	
NACGM	Naroch 58.05 319 eLR	LR	09 15 15.0 -0.9	
NACGM			LR	09 36 54.0
KIS	Kishinev 58.16 309 eLR	LR	09 15 15.0 -1.8	
KIS			MLR	09 42 08.0
KIS	Kishinev 58.16 309 eP	P	09 15 15.0 -1.8	
KIS			MLR	
RABL	Rabau 58.17 117 eP	P	09 15 18.3 +1.1	
WRAB	Tennant Creek 58.37 145 eP	P	09 15 17.8 -0.7	
WRAB	Tennant Creek 58.37 145c iP	P	09 15 18.2 -0.3	
WRAB			pmx	
WR1	Warramunga Arr 58.38 145 eP	P	09 15 18.3 -0.2	
WRA	Warramunga Arr 58.38 145 P	P	09 15 18.3 -0.2	
WRA	comp=Z,37nm,0.8s,baz=337,slow=7.5,SNR=218		LR	09 41 25.0
WB2	Warramunga Arr 58.38 145 eP	P	09 15 17.4 -1.2	
COEN	Coen 58.50 133 eP	P	09 15 19.6 -0.6	
TIRR	Tirgusor 58.99 306i iP	P	09 15 21.5 -1.1	
TIRR	Tirgusor 58.99 306 P	P	09 15 22.3 -0.3	
TIRR			pmx	
CFR	Carcalitu 59.01 307i iP	P	09 15 21.7 -1.0	
CFR	Carcalitu 59.01 307 P	P	09 15 22.7 0.0	
CFR			pmx	
VAF	Ylistaro 59.11 328 P	P	09 15 23.1 0.0	
VAF			pmx	
ISP	Isparta 59.14 298 eP	P	09 15 22.7 -1.2	
ISP	Isparta 59.14 298i iP	P	09 15 23.0 -0.9	
ISP	Isparta 59.14 298 eP	P	09 15 22.7 -1.2	
ISP			pmx	
TLB	Topalu 59.22 307i iP	P	09 15 24.4 +0.3	
TLB	Topalu 59.22 307 P	P	09 15 24.3 +0.2	
VRI	Vrincioiaia 59.82 308 P	P	09 15 29.1 +0.7	
VRI	Vrincioiaia 59.82 308 P	P	09 15 29.0 +0.7	
SPA0	Spitsbergen Ar 59.85 346 eP	P	09 15 28.1 0.0	
SPITS	Spitsbergen Ar 59.85 346 P	P	09 15 28.3 +0.2	
SPITS	comp=Z,14nm,0.9s,baz=51,slow=8.3,SNR=5.6		LR	09 41 10.7
PJOR	Plostinia 59.87 308i iP	P	09 15 29.6 +0.8	
PJOR	Plostinia 59.87 308 P	P	09 15 29.6 +0.8	
BIZ	Bicaz 59.98 310i iP	P	09 15 29.5 0.0	
SUW	Suwalki 60.28 318 eP			





Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like McKenzie Canyo, HAiley, Pinedale Array, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like SJA, GUC, ROCH, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like AGUA GUANDACOL, VCCA Vinchina, etc.

CRSC 21 09:16:24.7,10.0,55.48N;166.03E,h25km,10km,ML3.8
IDC 21 09:16:24.1,1.7,55.55N;166.40E,h0km,mb3.5/5,
mb1 3.7/6,mb1mx3.4/54,mbtmp3.6/6,ML2.9/1,MS4.0/1,
Ms1 4.0/1,ms1mx2.7/44,Error ellipse: s-maj=61.4km
s-min=20.2km az=168.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like Bering, Krotoberegovo, Mys Kozlova, etc.

IDC 21 09:18:08.0,9.0,30.50N;103.39E,h0km,mb3.7/8,
mb1 3.8/10,mb1mx3.5/63,mbtmp3.6/10,ML4.0/2,MS4.3/1,
Ms1 4.3/1,ms1mx2.8/54,Error ellipse: s-maj=41.4km
s-min=16.6km az=65.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like Chengdu, Guiyang, etc.

IDC 21 09:18:12.4,30.33N;103.03E,h19km,ML3.5/12
ISC 21 09:18:10.6,0.7,30.36N;103.05E,0.07,h10km,n15,
e1980/13,mb3.7/8,1,C,Sichuan

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like CMAR, BRDH, etc.

IDC 21 09:30:22.0,0.5,30.23N;102.96E,h0km,mb4.4/26,
mb1 4.4/27,mb1mx4.3/48,mbtmp4.3/27,ML4.1/1,MS3.5/9,
Ms1 3.5/9,ms1mx3.2/53,Error ellipse: s-maj=15.2km
s-min=11.4km az=47.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like CMAR, BRDH, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like GYA Guiyang, etc.

ISC 21 09:30:24.0,1.0,30.27N;103.02E,h21km,mb4.7/56,
Error ellipse: s-maj=7.2km s-min=4.6km az=114.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like KMI Kunming, etc.

ISC 21 09:30:25.2,1.7,30.23N;102.96E,h15km,3km,mb4.6/92,
Error ellipse: s-maj=12.6km s-min=8.7km az=153.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like CMAR, BRDH, etc.

IDC 21 09:30:29.0,3.0,30.27N;103.03E,0.04,h10km,n309,
e1983/323,mb4.6/134,MS3.5/11,21C-12D,Sichuan

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like CMAR, BRDH, etc.

IDC 21 09:30:25.6,3.0,28.28N;102.98E,h18km,mb4.6/38,mb4.8/17,
ML4.5/25,MS4.3/39,Ms7 4.2/34

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like CMAR, BRDH, etc.

IDC 21 09:30:22.0,0.5,30.23N;102.96E,h0km,mb4.4/26,
mb1 4.4/27,mb1mx4.3/48,mbtmp4.3/27,ML4.1/1,MS3.5/9,
Ms1 3.5/9,ms1mx3.2/53,Error ellipse: s-maj=15.2km
s-min=11.4km az=47.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, ISC. Includes stations like CMAR, BRDH, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMR Palmer, STKA Stephens Creek, BRLK Bradley Lake, etc.

WEL 21 09:35:10.4, 40'S: 117.7E, h20km±1km, ML3.8/13, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PXZ Pawanui, PRHZ Porangahau, WPHZ Waipukurau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TKGZ Te Karaka, MWZ Matawai, URZ Urewera, etc.

ROM 21 09:38:08.2-0.1, 43.460N:0.003, 12.293E±0.003, h6km, ML0.7/3, Error ellipse: s-maj=0.3km s-min=0.2km az=32.0, Central Ilipe

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CDCA Citt' di Caste, CDCA Citt' di Caste, BADI Badiail, etc.

ARE 21 09:39:59.0-0.0, 13.645S:75.68W, h74km, NEIC 21 09:40:02.1±.1, 13.755S:75.66W, h78km, 51km, ML.4.3(ARE), Error ellipse: s-maj=73.3km s-min=19.9km az=66.0

NEIC Fell [I] at Huancano, IDC 21 09:40:45.1±4.1, 14.12S:71.92W, h312km±79km, mb2.7/2, mb1.2/9.3, mb1mx2.734, mbtmp3.4/3, Error ellipse: s-maj=306.2km s-min=5.7km az=24.0

ISC 21 09:59:5.0-9, 13.825S:0.09.75.W, 0.1, h49km, n14, a278/21, Central Pire

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

IDC 21 09:41:13.9±1.3, 30.22N:102.93E, h0km, mb3.2/5, s-maj=3.4/5, mb1mx3.2/6.1, mbtmp3.2/5, Error ellipse: s-maj=42.9km s-min=24.7km az=62.0, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSR5 Korea Array, MKAR Makanchi Array, WRA Warramunga Arr, etc.

IDC 21 09:43:36.5±1.1, 30.14N:102.94E, h0km, mb3.4/6, mb1.3/5.7, mb1mx3.3/6.1, mbtmp3.4/7, Error ellipse: s-maj=38.9km s-min=20.5km az=60.0

BUI 21 09:43:39.5, 30.24N:102.96E, h21km, ML3.5/8, ISC 21 09:43:38.6±1.1, 30.22N:103.02E:0.09, h10km, n10, a2545/13, mb3.5/6, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CD2 Chengdu, XAN Xi'an, SONM Songino Array, etc.

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

NEIC 21 09:45:43.3±0.0, 18.45N:107.25W, h10km, mb4.1/12.1, MD.4.3(MEX), After MEX, IDC 21 09:45:44.0±1.4, 18.61N:107.19W, h0km, mb3.9/8, mb1.4/2.14, mb1mx4.0/4.7, mbtmp4.0/14, ML3.5/6, MS3.6/11, Ms1.3/6.11, ms1mx3.4/3.6, Error ellipse: s-maj=39.4km s-min=18.7km az=54.0

MEX 21 09:45:48.5±1.0, 18.68N:106.90W, h10km, MD.4.3, ISC 21 09:45:48.9±0.6, 18.56N:107.107W, 0.04, h30km, a357, r132/347, mb.4.2/71, MS3.9/10, Off coast of Jalisco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CJM Chamela, H06S1 SOCORRO T, H06S1 SOCORRO T-PHAS, etc.

NATX	Nacogdoches	17.16	38	ePn	Pn	09 49 46.8	+0.5
NATX	Nacogdoches	17.16	38	P	Pn	09 49 48.0	+1.6
WUAZ	Wupatki	17.23	348	eP	P	09 49 49.2	+0.4
WUAZ	Wupatki	17.23	348	P	Pn	09 49 48.3	+0.8
BELC	Belle Mtn, Jos	17.26	334	P	Pn	09 49 48.6	+0.9
NEE2	Needles Airpor	17.41	339	P	P	09 49 50.8	+0.2
MURC	Murieta	17.45	331	P	P	09 49 51.6	+0.6
W13A	Hualapai Mount	17.48	341	ePn	Pn	09 49 51.2	+0.7
WMOK	Wichita Mounta	17.61	23	P	P	09 49 54.2	+1.4
GMRC	Granite Mounta	17.81	336	P	P	09 49 55.4	+0.3
LDFC	Landfair	17.87	338	ePn	P	09 49 58.1	+2.4
CIS	Catalina Islan	17.89	327	P	Pn	09 49 55.1	-0.3
BFSC	Mount Baldy Ra	18.19	331	P	Pn	09 49 59.5	+0.3
U15A	North Rim	18.31	346	eP	P	09 50 02.6	+1.9
MWC	Mount Wilson	18.37	330	eP	P	09 50 03.7	+2.2
PASC	Pasadena Art C	18.39	329	eP	Pn	09 50 04.0	+2.5
TUQ	Turquoise Moun	18.49	336	P	Pn	09 50 03.2	+0.4
DECC	Green Verdugo	18.53	329	P	P	09 50 02.4	-0.5
MVCO	Mesa Verde	18.53	356	eP	P	09 50 03.6	+0.5
MVCO	Mesa Verde	18.53	356	P	P	09 50 03.9	+0.8
GSC	Goldstone, Bar	18.72	334	eP	Pn	09 50 05.8	+0.2
GSC	Goldstone, Bar	18.72	334	P	P	09 50 05.1	+0.1
S22A	4UR Ranch, Cre	19.02	0	eP	Pn	09 50 10.0	+0.6
S22A	4UR Ranch, Cre	19.02	0	P	Pn	09 50 09.9	+0.4
SHOC	Shoshone, Teco	19.03	336	P	P	09 50 08.5	+0.1
SDCO	Great Sand Dun	19.07	4	eP	Pn	09 50 11.0	+1.0
SDCO	Great Sand Dun	19.07	4	P	Pn	09 50 10.5	+0.6
SHPR	Sheep Range	19.18	340	eP	P	09 50 10.6	+0.4
Z41A	Richland Creek	19.32	38	eP	P	09 50 12.6	+1.0
Z41A	Richland Creek	19.32	38	P	P	09 50 13.2	+1.6
WLAR	White Oak Lake	19.45	37	eP	Pn	09 50 15.9	+1.6
TGUH	Tegucigalpa,Un	19.48	101	eP	Pn	09 50 17.6	+2.8
PV13	Radium Mtn., P	19.50	356	eP	P	09 50 14.6	+0.9
PV03	Paradox Valley	19.59	356	eP	Pn	09 50 17.2	+1.0
PV17	East Wray Mesa	19.63	355	eP	Pn	09 50 16.6	0.0
CCUT	Cedar City	19.63	345	eP	Pn	09 50 16.7	+0.1
PV11	David Mesa, Pa	19.64	356	eP	Pn	09 50 17.6	+0.8
MPMC	Manual Prospec	19.65	334	P	P	09 50 16.0	+0.6
PV12	Saucer Basin,	19.65	356	eP	P	09 50 16.6	+1.2
PV19	Morning Glory	19.66	355	eP	Pn	09 50 17.8	+0.8
PV20	West Nyswonger	19.69	355	eP	Pn	09 50 19.1	+1.8
PV14	Lion Creek, Pa	19.72	355	eP	Pn	09 50 17.8	0.0
PV10	Paradox Valley	19.73	355	eP	Pn	09 50 17.9	0.0
PV04	Paradox Valley	19.74	356	eP	P	09 50 17.0	+0.8
ISA	Isabella, Lake	19.75	331	eP	Pn	09 50 18.7	+0.8
ISA	Isabella, Lake	19.75	331	P	P	09 50 17.0	+0.7
FURC	Furnace Creek,	19.75	336	P	P	09 50 16.9	+0.6
PV07	Paradox Valley	19.76	356	eP	P	09 50 17.8	+1.2
PKM	Mpherson Peak	19.77	327	P	P	09 50 17.1	+0.4
PV23	Carpenter Ridg	19.80	355	eP	Pn	09 50 20.2	+1.4
MIAR	Mount Ida	19.83	34	eP	P	09 50 18.3	+1.1
MIAR	Mount Ida	19.83	34	P	P	09 50 18.2	+1.1
TUL1	Leonard	19.84	28	eP	Pn	09 50 21.6	+2.6
TUL1	Leonard	19.84	28	P	P	09 50 18.6	+1.4
PV09	Paradox Valley	19.86	355	eP	P	09 50 19.0	+1.3
DAC	Darwin (Calif)	19.88	334	eP	Pn	09 50 19.8	+0.1
PV21	Cone Mtn., Par	19.91	355	eP	Pn	09 50 20.2	+0.3
VBMS	Vicksburg	20.07	45	eP	P	09 50 20.6	+0.9
VES	Vestal, Richgr	20.17	330	P	P	09 50 21.5	+0.7
X40A	Basin Creek Fa	20.20	36	eP	P	09 50 21.6	+0.5
X40A	Basin Creek Fa	20.20	36	P	P	09 50 22.2	+1.1
CWC	Cottonwood Cre	20.22	333	P	P	09 50 22.3	+0.7
W39A	Magazine	20.23	33	eP	P	09 50 22.8	+1.4
W39A	Magazine	20.23	33	P	P	09 50 22.6	+1.2
SMCO	Snowmass	20.45	0	eP	P	09 50 25.6	+1.3
SRU	San Rafael Swe	20.61	352	eP	P	09 50 26.4	+0.6
PAGB	Antelope Grade	20.65	328	eP	P	09 50 27.2	+1.2
R11A	Troy Canyon, C	21.00	341	eP	P	09 50 30.9	+0.9
R11A	Troy Canyon, C	21.00	341	P	P	09 50 30.8	+0.9
HHAR	Hobbs	21.00	31	eP	P	09 50 30.0	+0.2
W41B	Gary Mavity, V	21.03	36	P	P	09 50 30.9	+0.8
WHAR	Woolly Hollow	21.09	35	eP	P	09 50 32.8	+2.0
ISCO	Idaho Springs	21.11	3	eP	P	09 50 32.4	+1.1
ISCO	Idaho Springs	21.11	3	P	P	09 50 32.3	+1.1
X43A	Marvell	21.34	39	eP	P	09 50 34.9	+1.4
X43A	Marvell	21.34	39	P	P	09 50 35.0	+1.4
O20A	White River Ci	21.43	357	eP	P	09 50 35.9	+1.3
O20A	White River Ci	21.43	357	P	P	09 50 35.4	+0.8
MLAC	Mammoth, Mamm	21.55	334	P	P	09 50 36.9	+0.9
U40A	Yellville	21.60	32	P	P	09 50 38.2	+1.9
OMMB	Old Mammoth Mi	21.61	333	eP	P	09 50 37.9	+1.3
MDPB	Devils Postpil	21.66	333	eP	P	09 50 38.3	+1.2
147A	Livingston	21.86	47	P	P	09 50 40.9	+1.9
349A	Repton	21.92	51	P	P	09 50 41.1	+1.4
NV11	Mina Array Sit	21.97	336	eP	P	09 50 41.5	+1.2

NV01	Mina Array Sit	22.02	336	eP	P	09 50 42.1	+1.1
NVAR	Mina Array Bea	22.02	336	P	P	09 50 41.7	+0.7
NVAR	comp=Z,112nm,19.1s,baz=152,slow=33			LR		09 57 44.2	
DUG	Dugway, Tooele	22.04	348	eP	P	09 50 43.0	+1.9
DUG	Dugway, Tooele	22.04	348	P	P	09 50 41.7	+0.7
U41A	Pass=221	22.08	34	P	P	09 50 43.2	+1.8
N23A	Red Feather La	22.18	2	eP	P	09 50 43.7	+0.9
N23A	Red Feather La	22.18	2	P	P	09 50 44.0	+1.3
OXF	Oxford	22.24	41	P	P	09 50 45.1	+1.9
RYN	Ryan	22.28	336	eP	P	09 50 45.5	+1.8
249A	Camden	22.29	50	P	P	09 50 45.4	+1.7
KVN	Kaiserville	22.49	337	eP	P	09 50 47.1	+1.2
WAKR	Walker	22.54	334	eP	P	09 50 48.5	+1.9
CMB	Columbia Cole	22.57	332	eP	P	09 50 47.0	+0.3
PHWY	Philly Hill	22.61	3	eP	P	09 50 48.1	+0.8
X46A	Booneville	22.79	42	P	P	09 50 49.9	+0.9
149A	Jonah	22.86	49	P	P	09 50 50.1	+0.4
YERR	Yerington	22.87	335	eP	P	09 50 51.0	+0.9
250A	Grady	22.91	51	P	P	09 50 51.3	+1.0
LRAL	Lakeview Retre	22.95	47	eP	P	09 50 52.7	+2.0
LRAL	Lakeview Retre	22.95	47	P	P	09 50 52.6	+1.3
PNTR	Pine Nut	23.11	334	eP	P	09 50 53.6	+1.2
S41A	Jillico Farms,	23.11	32	P	P	09 50 52.9	+0.5
ELK	Elk	23.12	344	P	P	09 50 51.9	-0.7
ELK	comp=Z,171nm,18.9s,baz=168,slow=36			LR		09 59 28.5	
ELK	Elk	23.12	344	eP	P	09 50 53.3	+0.7
X47A	Russellville	23.24	43	P	P	09 50 54.5	+1.0
W46A	Michie	23.29	41	P	P	09 50 55.1	+1.1
VCNR	Virginia City	23.30	335	eP	P	09 50 55.5	+1.1
RUBR	Rubicon Trail	23.31	333	eP	P	09 50 55.8	+1.4
Y48A	Jasper	23.33	45	P	P	09 50 55.3	+0.8
Z49A	Columbiana	23.37	48	P	P	09 50 55.7	+0.9
BMN	Battle Mountai	23.41	340	eP	P	09 50 56.4	+1.0
150A	Eclectic	23.41	50	P	P	09 50 55.8	+0.5
PARMO	Parma	23.50	37	eP	P	09 50 57.5	+1.4
PAHR	Pah Rah Range	23.55	336	eP	P	09 50 57.7	+1.0
251A	Midway	23.60	51	P	P	09 50 57.8	+0.7
352A	Blakely	23.67	53	P	P	09 50 58.0	+0.1
CCM	Cathedral Cave	23.73	32	eP	P	09 50 58.1	-0.2
CCM	Cathedral Cave	23.73	32	P	P	09 50 59.4	+1.1
Y49A	Blount Mountai	23.82	46	P	P	09 50 60.0	+0.8
Z50A	Ashland	23.83	48	P	P	09 51 00.6	+1.3
R41A	Rosebud	23.85	32	P	P	09 51 00.0	+0.6
W47A	Westport	23.86	42	P	P	09 51 00.1	+0.5
453A	Whigham	23.86	55	P	P	09 51 00.7	+1.0
V46A	Holladay	23.88	41	P	P	09 50 59.7	-0.1
K22A	Casper	23.92	1	eP	P	09 51 00.9	+0.7
K22A	Casper	23.92	1	P	P	09 51 00.8	+0.5
BEKR	Beckworth	24.08	334	eP	P	09 51 03.2	+1.5
BW06	Boulder Array	24.13	355	P	P	09 51 02.5	+0.2
PD31	Pinedale Array	24.13	355	eP	P	09 51 02.2	-0.1
PDAR	Pinedale Array	24.13	355	P	P	09 51 02.2	-0.1
PDAR	Pinedale Array	24.13	355	eP	P	09 51 01.6	-0.7
U46A	Springville	24.21	39	P	P	09 51 02.9	+0.1
W48A	Pulaski	24.22	43	P	P	09 51 03.5	+0.6
V47A	Nunnely	24.27	41	P	P	09 51 04.0	+0.6
WVT	Waverly	24.27	40	P	P	09 51 04.0	+0.6
ORV	Oroville	24.31	332	eP	P	09 51 04.7	+1.1
T45A	Paducah	24.38	38	eP	P	09 51 06.0	+1.6
S44A	Carbondale	24.51	36	P	P	09 51 06.6	+1.1
SIUC	Southern Illin	24.55	36	eP	P	09 51 10.3	+4.5
857A	Zephyrhills	24.62	63	P	P	09 51 07.0	+0.3
W49A	Belvidere	24.64	44	P	P	09 51 07.9	+1.1
V48A	Smith Brothers	24.66	42	P	P	09 51 07.6	+0.7
X50B	Fort Payne	24.68	46	P	P	09 51 07.8	+0.7
TIGA	Tifton	24.68	54	P	P	09 51 07.1	0.0
Y51A	Rockmart	24.78	48	P	P	09 51 08.6	+0.5
U47A	Clarksville	24.81	40	P	P	09 51 09.3	+1.1
REDW	Red Top Meadow	24.84	353	eP	P	09 51 09.5	+0.7
Z52A	Williamson	24.87	50	P	P	09 51 10.1	+1.2
S45A	Carrier Mills	24.88	37	P	P	09 51 10.5	+1.6
SNOW	Snow King Moun	24.93	354	eP	P	09 51 09.8	+0.2
TPAW	Teton Pass	24.98	353	eP	P	09 51 10.4	+0.4
R44A	Watkinsville	25.01	35	P	P	09 51 11.4	+1.4
LOHW	Long Hollow	25.06	354	eP	P	09 51 11.5	+0.7
254A	Abbeville	25.13	54	P	P	09 51 12.3	+1.1
FXWY	Fox Creek	25.14	353	eP	P	09 51 11.7	+0.3
Q43A	New Douglas	25.19	33	P	P	09 51 12.7	+1.0
MO3W	Moose Ponds	25.21	354	eP	P	09 51 12.8	+0.7
DWPV	Disney Wildern	25.25	63	P	P	09 51 12.9	+0.5
V49A	McMinnville	25.27	43	P	P	09 51 13.3	+0.9
T47A	Sharon Grove	25.27	40	eP	P	09 51 14.7	+2.3
T47A	Sharon Grove	25.27	40	P	P	09 51 13.6	+1.1
X51A	Calhoun	25.28	47	P	P	09 51 13.5	+1.0
U48A	Cassie Pea, Po	25.32	41	P	P	09 51 13.9	





21d 10h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MSHR, JNU, JNU, etc.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSM, Kuching, Podgornoye, etc.

1382

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KHLH, Kahului Airport, JIS, etc.



21d 10h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BRDH, QIZ, TIA, SKNT, etc.

2013 APR

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like NRN, BOOM, NIL, IPM, etc.

1384

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FIA1, FIA0, FIAO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HARP HAARP, EAGLE Eagle, KLU Klutina, INK Inuvik, BNI Bardonecchia, EPYK Eagle Plains, DAWY Dawson, RES Resolute Bay, SKAG Skagway, YKA Yellowknife Ar, YKBS Yellowknife Ar, TOAD Torodi Arr, TX31 Lajitas Ar, LTX Lajitas, TXAR Lajitas Array, NHSC New Hope, GSPA South Pole Qui, SNAAX Sanae, MTP Monte Pirata, ROSC El Rosal, PTGA Pitngna, PAYG Puerto Ayora, BDFB Brasilia.

IDC 21 10:55:08.8-1.2, 301.10N-102.197E, h10km, mb3.6/7, m1 3.9/7, mb1mx3.6/40, mbtmp3.6/7, Error ellipse: s-maj=1.8km s-min=20.9km az=62.0

BUI 21 10:55:12.0, 30.22N, 102.94E, h19km, ML3.6/10  
ISC 21 10:55:11.8-0.8, 30.27N-102.789E, h10km, n13, c=235/16, mb3.7/7, 1C, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CD2 Chengdu, GYA Guiyang, XAN Xi'an, CMAR Chiang Mai Arr, SONM Sogino Array, WMQ Urumqi, KSRS Korea Arr, MKAR Makanchi Array, ZALV Zalesovo Beam, WRRM Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, YKA Yellowknife Ar.

IDC 21 11:24:41.0, 3.3, 36.194N-71.61E, h81km, 26km, mb3.7/6, m1 3.7/12, mb1mx3.4/41, mbtmp3.9/12, Error ellipse: s-maj=30.0km s-min=25.0km az=175.0

NNC 21 11:24:47.6, 4.1, 37.83N-71.44E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=31.7km s-min=21.9km az=172.0

ISC 21 11:24:45.0, 0.7, 37.34N-0.05, 71.60E, 0.09, h109km, n33, c=2540/10, mb3.9/6, 4C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CEP Cherat, CHCP Chirah Chowk, AML Almayashu, UCH Uchtor, KZA Kyzart, EKS2 Erkin-Say, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KK31 Karatay Array, ULHL Ulahol, CHMS Chumysh, USP Osenovka, TKM2 Tokmak 2, TKM2 Tokmak 2, GEY2 Alibek, GEY1 Bunyan, MKAR Makanchi Array, PYUN Piuthan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DANN Danging, KURBS Kurchatov Arra, GOR6 Gorkha, AB31 Akbulak array, PKIN Phulchoki, JIRN Jiri, BVAR Borovoye Array, AKTO Aktubinsk, ZALV Zalesovo Beam, SONM Sogino Array, FINES FINES Array B, INK Inuvik, YKA Yellowknife Ar, YKA Yellowknife Ar, WRA Warramunga Arr, STKA Stephens Creek.

ISK 21 11:24:46.0, 37.31N-37.10E, h10km, ML2.0/5  
DDA 21 11:24:47.3, 37.30N-37.21E, h7km, 3km, ML2.7  
ISC 21 11:24:46.1, 0.7, 37.31N-0.03, 37.10E, 0.03, h8km, 8km, n13, c=952/22, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRs Kahramanmaraş, GAZ Gaziantep, KUZU Kuzuini, ANDN Andirin, ELBS ELBS, KZOT Kozan, SAIM ADANA, AKCD Akcadag, KZOT Kozan, SAIM ADANA, AKCD Akcadag, SAHT Tahtakopru-Hat, SURC SANLIURFA\_SURC, DARE Darendale-Malaty, URFA Urfa.

KRSC 21 11:37:50.2, 10.0, 49.89N-155.93E, h128km, 10km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, KDTR Khadutka, KAMC Kamchatka, ASAK Asaka, RUS Russkaya, RUS Russkaya, KRMR Karmyshinskiy, DALK Dalny, UGLR Uglovaya, AVH Avacha, SMR Somma, SDR Selodivna, KRX Arik.

DDA 21 11:37:59.2, 37.28N-37.15E, h8km, 4km, ML3.2  
ISC 21 11:37:59.1, 37.31N-37.11E, h6km, ML2.7/6  
ISC 21 11:37:59.6, 0.9, 37.28N-0.03, 37.11E, 0.02, h8km, 8km, n25, c=654/37, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRs Kahramanmaraş, GAZ Gaziantep, KUZU Kuzuini, ANDN Andirin, KZOT Kozan, ELBS ELBS, SAIM ADANA, SAIM ADANA, CEYT Ceyhan, TAHT Tahtakopru-Hat, AKCD Akcadag, SURC SANLIURFA\_SURC, DARE Darendale-Malaty, URFA Urfa, CUGUR Gurin, SVALS Svalbard, YAHY KAYSERI\_Yahyal, KARA Karaisali, HEKM HEKM, BNN Bunyan, ELZG Elazig, CUKAN kangal\_SIVAS, CUSAR Sarkisla-SIVAS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KERK Konya-Eregli, DIYA Diyarbakir, SIRC Yozgat.

ISK 21 11:42:04.8, 37.33N-37.14E, h8km, ML2.7/5  
DDA 21 11:42:05.6, 37.29N-37.15E, h8km, 3km, ML3.1  
ISC 21 11:42:05.1, 0.7, 37.31N-0.03, 37.14E, 0.02, h9km, 8km, n22, c=956/32, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, KMRs Kahramanmaraş, GAZ Gaziantep, KUZU Kuzuini, ANDN Andirin, ELBS KAHRAMANMARAS1, KZOT Kozan, SAIM ADANA, CEYT Ceyhan, AKCD Akcadag, KZOT Kozan, SURC SANLIURFA\_SURC, DARE Darendale-Malaty, URFA Urfa, CUGUR Gurin, SVALS Svalbard, YAHY KAYSERI\_Yahyal, HEKM Malatya\_Hekim, HEKM HEKM, ELZG Elazig, CUKAN kangal\_SIVAS, SIRC Sarkisla-SIVAS, TNCL Tunceli-Merkez, TNCL Tunceli-Merkez.

BUI 21 11:45:03.7, 5.17S-152.18E, h100km, mb4.8/45, mB5.0/26  
MOS 21 11:45:06.7, 1.2, 5.05S-151.65E, h102km, mb4.9/35, Error ellipse: s-maj=10.1km s-min=7.3km az=106.7  
IDC 21 11:45:07.2, 1.4, 5.12S-151.63E, h97km, 12km, mb4.4/31, Ms1 4.5/34, mb1mx4.4/50, mbtmp4.7/34, MS3.3/18, Ms1 3.3/18, ms1mx3.1/38, Error ellipse: s-maj=10.7km s-min=8.5km az=101.0

NEIC 21 11:45:08.9, 2.3, 5.17S-151.65E, h113km, 3km, mb4.8/114, Error ellipse: s-maj=13.3km s-min=10.6km az=100.0

GCMT 21 11:45:08.9, 0.3, 5.28S-103.151E, h80E, 0.03, h107km, 6km, MW4-8/65, Moment Tensor Solution, s19,c21, s65,c64, Duration: 0 Moment tensor: Scale 1019Nm, Mo: 1.33, 13; Mo: 0.40; 11; Mo: 0.52; 13; Mo: 0.98; 07; Mo: 0.14; 18; Mo: 1.67; 08; Best double couple: Mo 1.986000, 1016 NP1: 32.00000, 886.00000, 100.00000; NP2: 0.142.00000, 811.00000, 21.00000; Principal axes: T 1.8470, Plg48.0000, Azm313.0000; N 0.2790, Plg10.0000, Azm211.0000; P -2.1260, Plg40.0000, Azm113.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 21 11:45:11.6, 1.2, 5.17S-151.65E, h125km, 9km, M5.1/4, mB5.7/1, mB5.1/4, Mw(mB5.3)/1

ISC 21 11:45:08.4, 0.6, 5.16S-104.151E, h108km, 5km, n414, s1908/429, mb4.8/159, 8B-9D, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, HNR Honiara, HNR Honiara, HNR Honiara, GENI Genyem, COEN Coen, MTSU Mount Surprise, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, QIS Mount Isa, FAKI Fak Fak, FAKI Fak Fak, GUMO Guam, GUMO Guam, EIDS Eidsvold, EIDS Eidsvold, KDU Kakadu, PALU Palau, RMQ Roma.



INK	comp=Z,1.5nm,0.8s,baz=273,slow=3.7,SNR=9.9	89.20	21	eP	P	11 57 51.6	0.0
INK	comp=Z,3.6nm,1.1s	89.20	21	eP	Pmax	11 57 51.6	0.0
J01E	Myrtle Point	89.42	47	P	P	11 57 53.4	+0.2
K02D	Williamette Mer	89.56	47	P	P	11 57 54.7	+0.7
I02D	Swissome	89.61	46	P	P	11 57 55.2	+1.1
O02D	Mt. Diablo Mer	89.90	50	P	P	11 57 56.9	+1.2
I03D	Drain, OR	89.91	46	P	P	11 57 56.6	+1.1
M02C	Callahan	90.00	49	P	P	11 57 57.2	+1.1
N02D	Trinity Center	90.06	49	P	P	11 57 57.4	+1.0
HUMO	Hull Mountain	90.06	47	eP	P	11 57 57.0	+0.7
YBH	Yreka Blue Hor	90.14	48	eP	P	11 57 58.0	+1.2
YBH	Yreka Blue Hor	90.14	48	eP	Pmax	11 57 58.0	+1.2
H04D	Lebanon	90.45	45	P	P	11 57 59.1	+1.1
L04D	Klamath Falls	90.50	48	P	P	11 57 59.2	+0.7
I04A	Tendick Farm,	90.60	46	P	P	11 57 59.5	+0.6
O03E	Paynes Creek	90.66	50	P	P	11 57 60.0	+0.7
J04D	Umpqua Nationa	90.75	47	P	P	11 58 00.9	+1.1
M04C	Maccdoel	90.80	48	P	P	11 58 00.7	+0.8
AFDM	Forest Hills D	91.16	51	eP	P	11 58 02.9	+1.3
B05A	Bryant	91.31	42	P	P	11 58 02.5	+0.5
J05D	Fort Rock, OR	91.39	47	P	P	11 58 03.7	+1.0
I05D	Terrbonne, OR	91.42	46	P	P	11 58 03.5	+0.8
K05A	Summer Lake	91.59	47	eP	P	11 58 04.6	+0.9
P05E	Pine Mountain	91.66	46	eP	P	11 58 05.0	+1.1
BEKR	Beckworth	91.72	50	eP	P	11 58 04.8	+0.4
MOD	Mdoc Plateau	91.95	48	eP	P	11 58 05.9	+0.7
VCNR	Virginia City	92.22	51	eP	P	11 58 08.0	+1.4
VNTR	Pine Nut	92.24	51	eP	P	11 58 07.4	+0.6
PES	Vestal, Richgr	92.38	54	P	P	11 58 07.6	+0.4
YERR	Yerington	92.51	51	eP	P	11 58 09.4	+1.4
MDPB	Devils Postil	92.53	53	eP	P	11 58 09.3	+1.1
OMMB	Old Mammoth Mi	92.59	53	eP	P	11 58 10.0	+1.5
I07A	Izee	92.72	46	eP	P	11 58 09.3	+0.6
RYN	Ryan	93.04	52	eP	P	11 58 11.6	+1.2
MWC	Mount Wilson	93.10	56	eP	P	11 58 12.1	+1.3
MWC	Mount Wilson	93.10	56	eP	Pmax	11 58 12.1	+1.3
G08A	Pilot Rock	93.19	45	eP	P	11 58 11.9	+0.9
EDW2	Edwards Air Fo	93.20	55	P	P	11 58 12.3	+1.2
NV01	Mina Array Sit	93.20	52	eP	P	11 58 12.0	+0.8
NVAR	Mina Array Sit	93.20	52	eP	P	11 58 12.0	+1.3
NVAR	comp=Z,8.5nm,0.8s,baz=256,slow=6.6,SNR=53				LR	12 33 18.5	
NCV	Cottonwood Cre	93.24	54	P	P	11 58 12.4	+1.0
NW11	Mina Array Sit	93.32	52	eP	P	11 58 12.8	+1.2
KVN	Kaiserville	93.40	51	eP	P	11 58 12.5	+0.4
KVN	Kaiserville	93.40	51	eP	Pmax	11 58 12.5	+0.4
J08A	Circle Bar Ran	93.41	47	eP	P	11 58 12.8	+0.9
BFSC	Mount Baldy Ra	93.43	56	P	P	11 58 13.1	+0.8
LRMC	Laurel Mtn Rad	93.50	55	P	P	11 58 13.7	+1.2
DAC	Darwin (Calif)	93.62	54	eP	P	11 58 16.4	+3.3
DAC	Darwin (Calif)	93.62	54	eP	Pmax	11 58 16.4	+3.3
MPMC	Manual Prospec	93.69	54	P	P	11 58 14.7	+1.1
BBRC	Big Bear Solar	94.05	56	P	P	11 58 15.3	+0.1
GSC	Goldstone, Bar	94.20	55	P	P	11 58 16.3	+0.6
FURC	Furnace Creek,	94.22	54	P	P	11 58 16.6	+1.0
BMO	Blue Mountains	94.34	45	eP	P	11 58 16.6	+0.5
BMO	Blue Mountains	94.34	45	eP	Pmax	11 58 16.6	+0.5
MONP2	Monument Peak	94.38	57	P	P	11 58 16.7	0.0
PFO	Pinyon Flats O	94.39	57	eP	P	11 58 18.1	+1.4
PFO	Pinyon Flats O	94.39	57	eP	Pmax	11 58 18.1	+1.4
PFO	Pinyon Flats O	94.39	57	eP	P	11 58 16.5	-0.2
NEW	Newport	94.63	42	P	P	11 58 17.5	+0.2
NEW	Newport	94.63	42	P	P	11 58 17.9	+0.6
IKP	In-Ko-Pah, Jac	94.63	58	P	P	11 58 18.3	+0.6
SHOC	Shoshone, Teco	94.67	54	P	P	11 58 18.9	+1.2
BELC	Belle Mtn, Jos	94.79	56	P	P	11 58 19.8	+1.2
TUQ	Turquoise Moun	94.93	55	P	P	11 58 20.1	+0.9
ABKAR	Akbulak array	95.00	319	eP	P	11 58 17.0	-1.9
GMRC	Granite Mounta	95.11	56	P	P	11 58 21.0	+1.0
BC3	Big Chuckawall	95.23	57	P	P	11 58 22.4	+1.9
R11A	Troy Canyon, C	95.33	52	eP	P	11 58 21.9	+0.9
R11A	Troy Canyon, C	95.33	52	eP	P	11 58 21.7	+0.8
IRM	Iron Mountain	95.51	56	P	P	11 58 23.1	+1.4
LDFC	Landfair	95.58	55	eP	P	11 58 23.8	+1.8
SHPR	Sheep Rang	95.59	54	eP	P	11 58 23.3	+1.1
ELK	Elko	95.69	50	eP	P	11 58 23.7	+1.1
ELK	Elko	95.69	50	eP	Pmax	11 58 23.7	+1.1
GLA	Glamis	95.73	57	P	P	11 58 24.7	+2.0
GEYT	Alibeck	95.94	307	P	P	11 58 24.1	+0.6
NEE2	Needles Airpor	95.97	56	P	P	11 58 25.6	+1.9
ARU	Arti	95.98	326	dIP	P	11 58 21.4	-1.8
ARU						12 02 14.2	

ARU	ARU	96.01	57	P	P	12 08 47.9	-1.7
Y12C	Blythe	96.01	57	P	P	11 58 25.8	+1.9
YKA	Yellowknife Ar	96.28	28	P	P	11 58 24.5	+0.1
PDMC1	Parker Dam,Lak	96.34	56	P	P	11 58 27.3	+1.9
HLID	Hailey	96.37	47	eP	P	11 58 26.1	+0.5
HLID	Hailey	96.37	47	eP	P	11 58 26.5	+0.9
W13A	Hualapai Mount	96.58	55	eP	P	11 58 28.6	+1.8
WALA	Waterton Lakes	96.77	41	eP	P	11 58 27.6	+0.5
U15A	North Rim	97.90	54	eP	Pdf	11 58 33.0	+0.2
BW06	Boulder Array	99.33	48	P	Pdf	11 58 41.6	0.0
PD31	Pinedale Array	99.33	48	ePdf	Pdf	11 58 41.4	-0.2
PDAR	Hailey	99.33	48	P	Pdf	11 58 41.7	+0.1
PDAR	comp=Z,1.5nm,0.7s,baz=246,slow=2.3,SNR=17				LR	12 40 09.8	
PDAR	comp=Z,22nm,18.6s,baz=272,slow=33					11 58 40.8	-0.9
MVCO	Mesa Verde	100.94	53	ePdf	Pdf	11 58 47.1	+0.8
MVCO	Mesa Verde	100.94	53	P	Pdf	11 58 46.9	+0.7
SMCO	Snowmass	102.05	51	ePdf	Pdf	11 58 52.7	+1.4
ARAO	ARCESS Array S	106.88	343	ePKIKP	PKIKP	12 03 20.8	+0.1
ARAO	ARCESS Array B	106.88	343	PKIKP	PKIKP	12 03 20.8	+0.1
FAIO	FINESS Array S	110.91	335	ePKIKP	PKIKP	12 03 28.0	-0.6
FAIO	FINESS Array S	110.91	335	ePKIKP	PKIKP	12 03 28.0	-0.6
FAIO	FINESS Array S	110.91	335	PKIKP	PKIKP	12 03 28.0	-0.6
U40A	Yellville	113.50	53	P	PKIKP	12 03 34.3	-0.1
JFWS	Jewell Farm	113.90	45	P	PKIKP	12 03 34.5	-0.5
AKASA	Malin Array Be	114.12	324	PKP	PKPdf	12 03 34.2	-0.9
BR101	Keskin Array S	114.69	311	ePKIKP	PKPdf	12 03 35.9	-0.9
BR101	Keskin Array B	114.69	311	PKP	PKP	12 03 35.9	-0.9
E46A	Sault Ste Mari	116.78	40	P	PKPdf	12 03 40.1	-0.2
NB2	NORSAR Subarrat	116.86	340	PKPdf	PKPdf	12 03 39.3	-0.8
NOA	NORSAR Array B	116.86	340	PKP	PKPdf	12 03 39.4	-0.7
T46A	Princeton	117.22	51	P	PKPdf	12 03 41.0	-0.5
D47A	Chepleau	117.27	39	P	PKPdf	12 03 41.1	-0.2
P47A	Martinsville	117.77	48	P	PKPdf	12 03 41.7	-0.8
T47A	Sharon Grove	117.85	51	P	PKIKP	12 03 42.8	+0.1
E48A	Lockeyer	118.09	39	P	PKPdf	12 03 42.7	-0.2
O48A	Farnland	118.34	47	P	PKPdf	12 03 42.9	-0.6
V48A	Smith Brothers	118.40	52	P	PKPdf	12 03 43.6	-0.2
U48A	Cassie Pea, Po	118.41	51	P	PKPdf	12 03 43.8	-0.1
M49A	Liberty Center	118.78	45	P	PKPdf	12 03 44.0	-0.4
N49A	Columbus Grove	118.82	46	P	PKPdf	12 03 44.0	-0.5
O49A	Covington	118.96	47	P	PKPdf	12 03 44.2	-0.5
F51A	Arnstein	119.74	39	P	PKPdf	12 03 46.0	0.0
U50A	Jamestown	119.75	51	P	PKPdf	12 03 45.5	-0.9
ACSO	Alum Creek Sta	119.92	46	P	PKPdf	12 03 46.5	-0.1
LSOQ	Lebel-saur-Quev	120.02	35	P	PKPdf	12 03 46.2	-0.3
H52A	Wyevale	120.31	40	P	PKPdf	12 03 46.7	-0.5
151A	Opelika	120.42	55	P	PKPdf	12 03 47.4	-0.4
ACTO	Acton	120.64	42	P	PKPdf	12 03 47.7	-0.1
G53A	Haliburton	120.91	39	P	PKPdf	12 03 48.1	-0.2
Z52A	Williamson	120.98	54	P	PKPdf	12 03 47.9	-1.0
CHGQ	Chibougamau	121.01	33	P	PKPdf	12 03 47.8	-0.7
VYHS	Vytosh	121.14	325	ePKP	PKPdf	12 03 48.6	-0.1
VTS	Vitosh	121.15	317	ePKPdf	PKPdf	12 03 48.6	-0.5
VTS	Vitosh	121.15	317	ePKIKP	PKPdf	12 03 48.6	-0.5
E45A	Lac Duplat, Po	121.19	37	P	PKPdf	12 03 48.7	-0.2
N53A	Lisbon	121.23	45	P	PKPdf	12 03 49.1	0.0
P53A	Whipple	121.33	46	P	PKIKP	12 03 49.5	+0.1
BANO	Barcroft	121.40	39	P	PKPdf	12 03 49.3	0.0
Q53A	Leroy	121.46	47	P	PKPdf	12 03 49.1	-0.5
DPC	Dobruska-Polom	121.50	328	ePKIKP	PKIKP	12 03 49.6	+0.1
DPC	Dobruska-Polom	121.50	328	ePKIKP	PKIKP	12 03 49.6	+0.1
O54A	Avella	121.79	45	P	PKPdf	12 03 50.1	-0.1
PLV4	Coxs Mills	121.91	47	P	PKIKP	12 03 50.6	0.0
Q55A	Pleyna	121.92	39	P	PKIKP	12 03 50.4	0.0
G55A	Calabogie	122.04	39	P	PKPdf	12 03 50.2	-0.3
H55A	Tweed	122.08	39	P	PKPdf	12 03 50.3	-0.3
Y54A	Tignall	1					







Table with columns: KZOT, SAIM, SAIM, CEY, TAHT, AKCD, SURC, DARE, URFA, YAHY, HEKM, HEKM, HEKM. Includes station names like ADANA and coordinates.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Huatulco.

MEX 21 12:50:50.6,0.4, 55.52N-95.67W, h16km, 20km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Gaziantep, Kahramanmaraş.

ISK 21 12:50:51.6, 37.31N-37.10E, h5km, ML2.7 DDA 21 12:50:52.1, 37.30N-37.10E, h7km, 4km, ML2.7

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Gaziantep, Kuzuni, Andrin.

ATAB Bozova 0.97 80 i P Bb 12 51 11.8 +0.5 ATAB Kahramanmaraş,02 2 i P Pn 12 51 13.2 +0.2

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Kozan, ADANA.

CEYT Ceyhan 1.12 255 PN Pn 12 51 13.7 +0.1 TAHT Tahtakopr-Hat 1.18 219 PN Pn 12 51 14.7 +0.1

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Baunata, FITZY.

WRA Warramunga Arr 14.49 154 S S 12 55 10.1 +0.6 WRA Warramunga Arr 14.49 154 S S 12 55 10.1 +0.6

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like ASAR, STKA.

ASAR Alice Springs 17.71 161 P P 12 55 44.4 +0.3 STKA Stephens Creek 28.04 154 P P 12 57 19.2 -0.2

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Hitachinakayama, Hitohi.

ASAJ Asahikawa 7.96 8 Pn 12 58 47.7 +0.3 H1N2 WAKE ISLAND Hy 27.98 119 T T 13 32 00.6

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Hitohi, CHOI.

H1N1 WAKE ISLAND Hy 27.98 119 T T 13 32 07.1 H1N3 WAKE ISLAND Hy 28.00 119 T T 13 32 06.3

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Hitohi, CHOI.

H1N1 WAKE ISLAND Hy 27.98 119 T T 13 32 07.1 H1N3 WAKE ISLAND Hy 28.00 119 T T 13 32 06.3

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Hitohi, CHOI.

H1N1 WAKE ISLAND Hy 27.98 119 T T 13 32 07.1 H1N3 WAKE ISLAND Hy 28.00 119 T T 13 32 06.3

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Hitohi, CHOI.

H1N1 WAKE ISLAND Hy 27.98 119 T T 13 32 07.1 H1N3 WAKE ISLAND Hy 28.00 119 T T 13 32 06.3

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Hitohi, CHOI.

H1N1 WAKE ISLAND Hy 27.98 119 T T 13 32 07.1 H1N3 WAKE ISLAND Hy 28.00 119 T T 13 32 06.3

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Hitohi, CHOI.

Table with columns: NVAR, CAR, NEIC, NEIC. Includes station names like Mina Array, CAR 21, NEIC 21.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Santa Domingo, Socops.

ISC 21 12:58:42.0,0.0, 10.03N:69.23W, h5km, mb3.6/7, mb1 3.9/9, mb1mx3.7/46, mbtmpp3.8/9, ML3.7/2, MS3.2/10

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Santa Domingo, Socops.

ISC 21 12:58:44.3,2.3, 10.08N:69.19W, h20km, mb3.8/1, MW4.1(CAR), Error ellipse: s-maj=15.3km s-min=6.5km az=221.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Santa Domingo, Socops.

ISC 21 12:58:42.3,0.6, 10.11N:0.05:69.21W,0.06,h6km, n115, a192/117, mb3.8/9, MS3.0/4, Venezuela

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Santa Domingo, Socops.

ISC 21 12:58:42.3,0.6, 10.11N:0.05:69.21W,0.06,h6km, n115, a192/117, mb3.8/9, MS3.0/4, Venezuela

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Santa Domingo, Socops.

ISC 21 12:58:42.3,0.6, 10.11N:0.05:69.21W,0.06,h6km, n115, a192/117, mb3.8/9, MS3.0/4, Venezuela

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ISC 21 12:58:42.3,0.6, 10.11N:0.05:69.21W,0.06,h6km, n115, a192/117, mb3.8/9, MS3.0/4, Venezuela

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ISC 21 12:58:42.3,0.6, 10.11N:0.05:69.21W,0.06,h6km, n115, a192/117, mb3.8/9, MS3.0/4, Venezuela

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Santa Domingo, Socops.

Table with columns: LPAZ, TKL, ULM, PDAR, PLCA, NVAR, YKA, TORD, ASAR, WRA. Includes station names like Z.47nm, Tackaleechee C, ULM.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Lakka, LAKA.

ATH 21 13:04:51.3, 38.15N-21.91E, h11km, 3km, ML0.9/4, Error ellipse: s-maj=3.9km s-min=0.9km az=60.0, Greece

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Lakka, LAKA.

ISC 21 13:04:51.3, 38.15N-21.91E, h11km, 3km, ML0.9/4, Error ellipse: s-maj=3.9km s-min=0.9km az=60.0, Greece

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Lakka, LAKA.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Lakka, LAKA.

ISC 21 13:04:51.3, 38.15N-21.91E, h11km, 3km, ML0.9/4, Error ellipse: s-maj=3.9km s-min=0.9km az=60.0, Greece

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes station names like Lakka, LAKA.











1395

Table with columns for station ID, call letters, frequency, power, and other technical details. Includes stations like JFWFS, JFWFS Jewell Farm, F44A, L40A, L40A Anamosa, etc.

2013 APR

Table with columns for station ID, call letters, frequency, power, and other technical details. Includes stations like G47A Hillman, I46A Reed City, KTK1 Kautokeino, etc.

21d 13h

Table with columns for station ID, call letters, frequency, power, and other technical details. Includes stations like P44A Sand Creek, W39A Magazine, W39A Magazine, etc.

21d 13h

BVAR	Borovoye Array	61.02 320	P	P	13 58 37.7	-0.5
BVAR	comp=Z,62nm,0.5s,baz=53,slow=6.2,SNR=304					
ALGO	Algonquin Park	61.04 52	P	P	13 58 37.3	-1.1
N48A	Decatur	61.04 60	P	P	13 58 37.5	-1.0
BRVK	Borovoye	61.04 320	eP	P	13 58 37.2	-1.1
BRVK	comp=Z,54nm,0.6s					
BRVK	Borovoye	61.04 320	eP	P	13 58 37.9	-0.4
BRVK	comp=Z,725nm,19.0s					
BRVK	Borovoye	61.04 320	P	P	13 58 38.2	-0.1
PLP	Palo	61.04 250	eP	P	13 58 38.9	+0.1
R45A	Skyilar, Fairfi	61.04 64	P	P	13 58 38.3	-0.2
Q46A	CEJHS Indians,	61.05 63	P	P	13 58 38.2	-0.3
H52A	Wyeale	61.05 54	P	P	13 58 38.2	-0.3
I51A	Listowel	61.07 55	P	P	13 58 38.9	+0.2
BOAC	Boac	61.09 254	eP	P	13 58 39.9	+0.8
X40A	Basin Creek Fa	61.10 70	P	P	13 58 38.8	-0.2
X40A	Basin Creek Fa	61.10 70	P	P	13 58 38.8	-0.2
E54	Lak Daplat, Po	61.12 51	P	P	13 58 37.4	-1.5
TYG	Tagaytay City	61.14 256	P	P	13 58 41.0	+1.5
TYG	comp=Z,2jum,1.0s,baz=90,slow=0.4,SNR=27					
TYG	Tagaytay City	61.14 256	P	P	13 58 41.0	+1.5
TYG	Tagaytay City	61.14 256	eP	P	13 58 40.3	+0.8
M49A	Liberty Center	61.17 59	P	P	13 58 38.9	-0.4
UALR	University of	61.18 70	eP	P	13 58 39.2	-0.3
TMCR	Tamitsa	61.20 343	eP	P	13 58 37.9	-1.3
TMCR	comp=Z,60nm,0.7s					
H06N1	SOCORRO T-PHAS	61.23 96	T	T	15 05 28.8	
S45A	Carrier Mills	61.31 65	P	P	13 58 39.9	-0.5
I52A	Shelburne	61.32 54	P	P	13 58 40.3	0.0
P47A	Martinsville	61.32 62	P	P	13 58 39.9	-0.6
H06E1	SOCORRO T-PHAS	61.33 96	T	T	15 05 26.2	
SADO	Sadowa	61.34 53	P	P	13 58 39.7	-0.7
SADO	comp=Z,43nm,0.9s,baz=299,slow=4.2,SNR=26					
SADO	Sadowa	61.34 53	eP	P	13 58 39.3	-1.1
SADO	Sadowa	61.34 53	eP	P	13 58 39.3	-1.1
G53A	Haliburton	61.35 53	P	P	13 58 40.5	0.0
PARMO	Parma	61.35 66	eP	P	13 58 40.1	-0.6
L50A	Kingsville	61.39 58	P	P	13 58 40.5	-0.4
O48A	Farmland	61.39 61	P	P	13 58 39.9	-1.0
BLO	Bloomington	61.41 62	eP	P	13 58 40.3	-0.7
BLO	Bloomington	61.41 62	eP	P	13 58 40.3	-0.7
N49A	Columbus Grove	61.45 59	eP	P	13 58 40.4	-0.9
N49A	Columbus Grove	61.45 59	eP	P	13 58 40.8	-0.5
WLAR	White Oak Lake	61.49 71	eP	P	13 58 42.1	+0.4
U44A	Portageville	61.50 66	P	P	13 58 41.6	-0.1
833A	Chaparral WMA,	61.52 80	eP	P	13 58 42.0	+0.1
833A	Chaparral WMA,	61.52 80	P	P	13 58 42.5	+0.6
R46A	Gibson South	61.53 64	P	P	13 58 41.6	-0.2
PVMO	Portageville	61.56 66	eP	P	13 58 41.6	-0.5
K51A	Iona Station	61.59 56	P	P	13 58 42.2	+0.1
HBAR	Harrisburg	61.61 68	eP	P	13 58 42.1	-0.4
USIN	University of	61.62 64	eP	P	13 58 42.0	-0.5
Q47A	Bedord North L	61.62 62	P	P	13 58 42.0	-0.4
PEMO	Pembroke	61.63 52	P	P	13 58 41.0	-1.4
SVE	Sverdlovsk	61.66 328	dIP	P	13 58 43.3	+0.9
SVE	SVE					
SVE	SVE					
PLIO	Pelee Island,	61.69 58	P	P	13 58 42.0	-0.9
GNAR	Gosnell	61.69 67	eP	P	13 58 42.6	-0.3
ACTO	Action	61.70 55	P	P	13 58 42.8	-0.2
M50A	Fremont	61.72 58	eP	P	13 58 43.0	-0.3
M50A	Fremont	61.72 58	P	P	13 58 42.7	-0.0
T45A	Paducah	61.73 65	eP	P	13 58 42.9	-0.4
T45A	Paducah	61.73 65	P	P	13 58 43.1	-0.1
J52A	Paris	61.75 55	P	P	13 58 43.1	-0.1
BANO	Bancroft	61.77 52	P	P	13 58 42.7	-0.6
I53A	Kortright Cn E	61.79 54	P	P	13 58 43.4	-0.1
S46A	Don Dixon Farm	61.79 64	P	P	13 58 43.0	-0.6
P48A	Milroy	61.80 61	P	P	13 58 42.8	-0.9
LUBP	Lubang	61.84 256	eP	P	13 58 43.5	-0.6
OTPR	Odiangan	61.85 254	eP	P	13 58 45.3	+1.1
PRGR	Perngore	61.88 338	eP	P	13 59 01.0	+0.2
PRGR	PRGR					
PRGR	PRGR					
O49A	Covington	61.88 60	eP	P	13 58 43.2	-1.0
O49A	Covington	61.88 60	P	P	13 58 43.5	-0.7
GLAT	Glass	61.90 66	eP	P	13 58 44.1	-0.2
KONS	Konsvik	61.93 355	eP	P	13 58 45.4	+1.4
M5L	Maasin	61.93 249	eP	P	13 58 44.9	+0.1
NATX	Nacogdoches	61.94 74	eP	P	13 58 44.9	+0.2
NATX	NATX					
NATX	Nacogdoches	61.94 74	P	P	13 58 45.4	+0.7
PKRO	Pickering	61.95 54	P	P	13 58 44.3	-0.2
F55A	Otter Lake	61.95 51	P	P	13 58 43.3	-1.2
K52A	Tilsonburg	61.96 56	P	P	13 58 44.4	-0.2
Z41A	Richland Creek	61.98 71	eP	P	13 58 44.8	-0.1
Z41A	Richland Creek	61.98 71	P	P	13 58 45.5	+0.5
Q48A	North Vernon	62.01 62	P	P	13 58 44.4	-0.7
R47A	Woolly Knot Far	62.02 63	P	P	13 58 44.6	-0.5
RCP	Roxas	62.05 252	iP	P	13 58 46.3	+0.8

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TORO	Toronto-Lesli	62.06 54	P	P	13 58 45.4	0.0
UTMT	University of	62.09 66	eP	P	13 58 45.6	0.0
N50A	Newark	62.11 59	P	P	13 58 45.4	-0.3
HALT	Halls	62.12 67	eP	P	13 58 45.8	0.0
CCAR	Cane Creek	62.12 70	eP	P	13 58 46.4	+0.5
P49A	Miami Univ. Ec	62.14 61	P	P	13 58 45.1	-0.8
T46A	Princeton	62.14 65	P	P	13 58 46.0	0.0
TYNO	Tyneside	62.17 55	P	P	13 58 45.5	-0.6
PLVO	Plevna	62.17 52	P	P	13 58 45.5	-0.9
DRWO	Darlington Wes	62.19 54	P	P	13 58 45.9	-0.2
G55A	Calabogie	62.19 52	P	P	13 58 44.9	-1.3
WCI	Wyandotte Cave	62.20 63	eP	P	13 58 45.6	-0.7
WCI	Wyandotte Cave	62.20 63	eP	P	13 58 45.6	-0.7
WCI	comp=Z,223nm,0.8s					
WCI	Wyandotte Cave	62.20 63	P	P	13 58 46.0	-0.3
DRCO	St. Marys Ceme	62.20 54	P	P	13 58 45.5	0.0
X43A	Marvell	62.22 69	eP	P	13 58 46.4	0.0
X43A	Marvell	62.22 69	P	P	13 58 46.4	0.0
M51A	Elyria	62.22 58	P	P	13 58 45.8	-0.7
DELO	Deloro Mine	62.28 53	P	P	13 58 46.1	-0.7
O50A	Cable	62.30 60	P	P	13 58 46.5	-0.1
SJMP	San Jose	62.31 254	eP	P	13 58 48.1	+0.8
R48A	Northridge Ran	62.31 62	P	P	13 58 46.8	-0.3
LLP	Lapu-Lapu	62.31 250	eP	P	13 58 46.9	-0.5
WLVO	Wesleyville	62.32 54	P	P	13 58 45.9	-0.6
S47A	Hartford	62.32 64	P	P	13 58 46.8	-0.3
MET	Memphis-Engin	62.34 68	eP	P	13 58 47.1	-0.2
N51A	Ashland	62.42 58	eP	P	13 58 46.8	-0.9
N51A	Ashland	62.42 58	P	P	13 58 47.2	-0.6
Q49A	Aurora	62.42 61	P	P	13 58 47.2	-0.6
STCO	Saint Catharin	62.44 55	P	P	13 58 47.7	-0.2
I55A	Frankford	62.47 53	P	P	13 58 47.4	-0.6
U46A	Springville	62.47 66	eP	P	13 58 48.0	-0.1
H55A	Twined	62.47 52	P	P	13 58 47.4	-0.7
LATQ	La Tuque	62.51 48	P	P	13 58 46.9	-1.3
M52A	Chesterland	62.51 57	P	P	13 58 48.2	-0.2
HKT	Hockley	62.52 76	eP	P	13 58 49.2	+0.7
HKT	Hockley	62.52 76	eP	P	13 58 49.2	+0.7
HKT	HKT					
TRQ	Mont Tremblant	62.53 50	eP	P	13 58 46.4	-2.1
ACSO	Alum Creek Sta	62.58 59	eP	P	13 58 48.4	-0.4
ACSO	comp=Z,978nm,21.0s					
ACSO	Alum Creek Sta	62.58 59	P	P	13 58 48.5	-0.4
P50A	Jamestown	62.59 60	P	P	13 58 48.5	-0.4
BORG	Borgarnes	62.60 11	P	P	13 58 49.8	+1.2
T47A	Sharon Grove	62.62 64	eP	P	13 58 49.9	-0.3
T47A	Sharon Grove	62.62 64	P	P	13 58 49.4	-0.2
ORIO	Orleans, Innes	62.63 51	P	P	13 58 48.2	-0.9
ARU	Arti	62.66 329	eP	P	13 58 48.9	-0.2
ARU	comp=Z,780nm,20.0s					
ARU	Arti	62.66 329	eP	P	13 58 49.3	+0.2
ARU	ARU					
ARU	ARU					
ARU	ARU					
ARU	ARU					
ARU	ARU					
ARU	ARU					
J54A	Appleton	62.66 54	P	P	13 58 49.1	-0.2
S48A	Wiedeman Farm,	62.73 63	P	P	13 58 49.7	-0.3
R49A	Shelbyville	62.77 62	P	P	13 58 50.1	-0.1
L53A	Girard	62.78 56	P	P	13 58 49.9	-0.3
ALFO	Alfred	62.81 50	P	P	13 58 48.8	-1.5
ERPA	Erie	62.81 56	eP	P	13 58 49.6	-0.7
ERPA	Erie	62.81 56	P	P	13 58 50.1	-0.2
WVT	Waverly	62.83 66	eP	P	13 58 50.4	-0.2
WVT	Waverly	62.83 66	eP	P	13 58 50.4	-0.2
WVT	WVT					
WVT	Waverly	62.83 66	P	P	13 58 50.8	+0.2
MEDO	Medina	62.84 54	P	P	13 58 50.5	-0.1
O51A	Pataskala	62.84 59	P	P	13 58 50.4	-0.3
N52A	McGinn's Farm,	62.85 58	P	P	13 58 50.0	-0.7
H56A	Elgin	62.90 52	P	P	13 58 50.7	-0.2
V46A	Holladay	62.90 66	P	P	13 58 51.2	+0.2
U47A	Clarksville	62.91 65	P	P	13 58 51.2	+0.1
T48A	Bowling Green	62.94 64	P	P	13 58 51.1	-0.1
M53A	WI Miller and	62.94 57	P	P	13 58 51.2	0.0
KVXT	Kingsville	62.99 79	PFAE	P	13 59 00.0	+8.2
KVXT	KVXT					

JAY	LR	LR	14 21 13.8	
MOQ	comp=Z,945nm,21.8s,baz=36,slov=30			
Mont Orford	64.29 49 eP	P	13 58 58.7 -1.5	
Marion Center	64.29 56 pP	P	13 58 59.8 -0.4	
U55A	baz=317,SNR=13			
Jamestown	64.30 63 P	P	13 59 00.2 -0.1	
ENPP	El Nido	64.31 255 eP	P	13 59 01.1 +0.5
NCB	Newcomb	64.34 51 eP	P	13 58 59.1 -1.4
Q53A	comp=Z,54nm,0.8s			
Leroy	64.35 59 P	P	13 59 00.4 -0.1	
S52A	baz=317,SNR=99			
Salversville	64.36 61 P	P	13 59 00.9 +0.2	
P54A	baz=317,SNR=57			
Burton	64.37 58 P	P	13 59 00.7 0.0	
T51A	Gray	64.40 62 P	P	13 59 00.9 0.0
W49A	baz=317,SNR=90			
Belvidere	64.44 65 P	P	13 59 01.1 -0.1	
X48A	Hartselle	64.47 66 eP	P	13 59 00.6 -0.8
X48A	comp=Z,206nm,0.8s			
Hartselle	64.47 66 P	P	13 59 01.1 -0.3	
R53A	Hurricane	64.50 60 P	P	13 59 01.6 0.0
O55A	Ligonier	64.55 57 P	P	13 59 01.2 -0.6
GENI	baz=317,SNR=6.2			
Genyem	64.55 227 P	P	13 59 02.0 -0.1	
SWET	Sewanee	64.56 65 eP	P	13 59 01.5 -0.5
PAGZ	comp=Z,309nm,0.9s			
Pagaian	64.63 249 eP	P	13 59 01.9 -0.7	
Q54A	Coxs Millie	64.63 59 P	P	13 59 02.0 -0.4
CTBH	Cotabato-PC H	64.63 248 eP	P	13 59 03.5 +0.9
MCWV	Mont Chateau	64.66 58 eP	P	13 59 02.1 -0.5
MCWV		64.66 58 eP	P	13 59 02.1 -0.5
MCWV	Mont Chateau	64.66 58 P	P	13 59 02.8 +0.8
DMDP	Don Marcelino,	64.69 246 eP	P	13 59 02.3 -0.8
V50A	Pikeville	64.69 64 P	P	13 59 02.6 -0.3
P55A	Reedsville	64.78 58 P	P	13 59 03.2 -0.2
VT1	Waterbury	64.78 50 eP	P	13 59 02.7 -0.7
BINY	Binghamton	64.78 53 eP	P	13 59 02.7 -0.7
BINY	comp=Z,52nm,0.8s			
BINY				
BINGHAMTON	64.78 53 P	P	13 59 03.2 -0.2	
U51A	La Follet	64.79 63 P	P	13 59 03.6 +0.1
Y48A	Jasper	64.79 67 P	P	13 59 02.9 -0.6
T52A	Hallie	64.83 62 P	P	13 59 04.3 +0.6
X49A	Woodville	64.84 66 P	P	13 59 03.8 0.0
S53A	Williamson	64.88 61 P	P	13 59 04.5 +0.4
O56A	Blue Knob Stat	64.89 56 eP	P	13 59 03.2 -0.9
O56A		64.89 56 eP	P	13 59 03.7 +0.4
O56A		64.89 56 P	P	13 59 03.9 -0.2
W50A	Signal Mountai	64.92 65 eP	P	13 59 03.4 -1.0
W50A	Signal Mountai	64.92 65 P	P	13 59 04.6 +0.3
TZTN	Tazewell	64.93 62 eP	P	13 59 04.3 -0.1
TZTN	comp=Z,230nm,0.9s			
TZTN	Tazewell	64.93 62 P	P	13 59 04.4 -0.1
SSPA	Standing Stone	64.97 56 eP	P	13 59 03.9 -0.6
SSPA	comp=Z,140nm			
SSPA	Standing Stone	64.97 56 P	P	13 59 04.2 -0.4
V51A	Loudon	65.02 63 eP	P	13 59 04.5 -0.4
V51A	comp=Z,440nm,1.4s			
V51A	Loudon	65.02 63 P	P	13 59 04.7 -0.3
Q55A	Buckhannon	65.02 58 P	P	13 59 04.8 -0.2
ACCN	Adriatic Com	65.05 51 eP	P	13 59 04.0 -1.1
147A	Livingston	65.05 68 eP	P	13 59 05.3 +0.1
147A	Livingston	65.05 68 P	P	13 59 05.5 +0.3
R54A	Victor	65.13 60 P	P	13 59 05.9 +0.2
U52A	Thorn Hill	65.14 62 P	P	13 59 06.0 +0.2
IPIL	Ipil	65.15 250 eP	P	13 59 05.6 -0.4
T53A	Wise	65.17 61 P	P	13 59 06.4 +0.4
CPCT	Cooper Cave	65.18 64 eP	P	13 59 05.6 -0.4
PQI	Presque Isle	65.20 45 eP	P	13 59 04.0 -1.9
LBNH	Lisbon	65.25 49 eP	P	13 59 05.9 -0.5
LBNH	comp=Z,116nm,1.8s			
LBNH	Lisbon	65.25 49 P	P	13 59 05.9 -0.5
LBNH	comp=Z,116nm,1.8s			
LBNH	Lisbon	65.25 49 P	P	13 59 05.8 -0.5
W51A	Cleveland	65.26 64 P	P	13 59 06.7 +0.2
X50B	Fort Payne	65.26 65 P	P	13 59 06.5 -0.1
Y49A	Blount Mountai	65.27 66 eP	P	13 59 05.8 -0.8
Y49A	Blount Mountai	65.27 66 P	P	13 59 06.3 -0.3
PRZ	Przheval'sk	65.30 308 eP	P	13 59 04.9 -2.0
PRZ	comp=Z,48nm,1.2s			
TBLU	Trondehim	65.31 356 eP	P	13 59 05.5 -0.9
KSPA	Keystone Colle	65.37 54 eP	P	13 59 06.4 -0.8
V52A	Sevierville	65.41 63 eP	P	13 59 07.2 -0.3
V52A	Sevierville	65.41 63 P	P	13 59 07.7 +0.2
TKL	Tuckaleehee C	65.45 63 P	P	13 59 08.3 +0.5
TKL	comp=Z,306nm,0.8s,baz=307,slov=9.5,SNR=22			
TKL	Tuckaleehee C	65.45 63 eP	P	13 59 07.3 -0.5
148A	Greensboro	65.48 68 P	P	13 59 07.9 0.0
R55A	Marlinton	65.52 59 P	P	13 59 08.2 -0.1
LRAL	Lakeview Retre	65.53 67 eP	P	13 59 07.7 -0.6
LRAL	comp=Z,275nm,0.8s			
LRAL	Lakeview Retre	65.53 67 P	P	13 59 07.9 -0.4
U53A	Fall Branch	65.59 62 P	P	13 59 09.0 +0.3
Y50A	Piedmont	65.63 66 P	P	13 59 08.9 0.0
T54A	Tazewell	65.63 61 P	P	13 59 09.3 +0.2
X51A	Calhoun	65.63 65 eP	P	13 59 09.0 +0.1
X51A	comp=Z,476nm,1.0s			
X51A	Calhoun	65.63 65 P	P	13 59 09.0 +0.1
FIA1	FINESS Array S	65.68 348 eP	P	13 59 07.8 -1.0
FINES	comp=Z,29nm,0.6s,baz=21,slov=6.6,SNR=174			
FINES	FINESS Array B	65.68 348 P	P	13 59 08.0 -0.8
FINES	comp=Z,32nm,0.7s,baz=44,slov=5.8,SNR=77			
FINES	comp=Z,6.9nm,0.7s,baz=196,slov=3.6,SNR=11			
FINES				
Z49A	Columbus	65.68 67 P	P	13 59 09.0 -0.2
S55A	Lewisburg	65.69 60 P	P	13 59 09.3 -0.1
PKME	Peaks-Kenny Pk	65.70 47 eP	P	13 59 09.0 -0.2
PKME		65.70 47 eP	P	13 59 04.7 +0.5

PKME	comp=Z,2um,20.0s			
Peaks-Kenny Pk	65.70 47 P	P	13 59 09.0 -0.2	
W52A	Murphy	65.77 64 eP	P	13 59 09.7 -0.2
W52A	comp=Z,469nm,1.1s			
W52A	Murphy	65.77 64 P	P	13 59 10.0 +0.1
N59A	State Game Lan	65.84 54 eP	P	13 59 09.6 -0.6
N59A		65.84 54 P	P	13 59 14.5 +0.6
N59A		65.84 54 P	P	13 59 09.7 -0.5
PAGS	Pennsylvania G	65.87 55 eP	P	13 59 09.9 -0.5
U54A	comp=Z,23nm,0.8s			
Nelbns Funny	65.89 61 P	P	13 59 11.0 +0.2	
FFD	Franklin Falls	65.95 50 eP	P	13 59 10.4 -0.5
FFD		65.95 50 eP	P	13 59 11.3 +0.2
149A	Jones	65.96 68 P	P	13 59 11.2 0.0
V53A	Saluda	65.97 63 eP	P	13 59 11.4 +0.2
V53A	comp=Z,229nm,0.9s			
V53A	Saluda	65.97 63 P	P	13 59 11.4 +0.2
Z50A	Ashland	65.98 66 eP	P	13 59 11.0 -0.3
Z50A	comp=Z,1um,0.7s			
Z50A	Ashland	65.98 66 P	P	13 59 11.0 -0.3
Y51A	comp=Z,317,SNR=537			
Rowland	66.00 65 P	P	13 59 11.0 -0.4	
T55A	Pulaski	66.02 60 P	P	13 59 11.8 +0.3
MOL	baz=318,SNR=22			
Molde	66.10 357 eP	P	13 59 11.1 -0.3	
W53A	Cullowhee	66.14 63 P	P	13 59 12.6 +0.2
BLA	Blacksburg	66.15 60 eP	P	13 59 12.4 +0.1
BLA	comp=Z,2um,20.0s			
BLA	Blacksburg	66.15 60 P	P	13 59 12.4 +0.1
BLA	comp=Z,111nm,0.9s			
BLA				
BLA	comp=Z,2um,20.0s			
BLA	Blacksburg	66.15 60 P	P	13 59 12.5 +0.2
X52A	Dahlonaga	66.15 64 P	P	13 59 12.5 +0.2
KDJ	Kajisay	66.16 308 eP	P	13 59 11.5 -1.0
KDJ	Kajisay	66.16 308 eP	P	13 59 11.5 -1.0
KDJ	comp=Z,42nm,1.1s			
KDJ				
249A	Camden	66.22 68 P	P	13 59 13.3 +0.5
MVL	Millersville	66.23 55 eP	P	13 59 12.0 -0.7
MVL		66.23 55 eP	P	13 59 42.6 +0.1
S56A	Natural Bridge	66.26 59 eP	P	13 59 12.8 -0.2
LUPA	Lehigh Univer	66.28 54 eP	P	13 59 12.5 -0.5
ODNJ	comp=Z,7.4nm,1.2s			
Odgersburg	66.31 53 eP	P	13 59 13.0 -0.2	
U55A	TAZ, Sparta	66.33 61 P	P	13 59 13.8 +0.3
TKM2	TKmak2	66.33 310 P	P	13 59 13.3 -0.3
TKM2	TKmak2	66.33 310 P	P	13 59 13.4 -0.2
TKM2	TKmak2	66.33 310 P	P	13 59 13.6 -0.1
Z51A	comp=Z,23nm,1.0s			
Frain	66.36 66 P	P	13 59 14.0 +0.3	
V54A	Nebo	66.37 62 P	P	13 59 14.0 +0.3
150A	Eclectic	66.40 67 P	P	13 59 13.8 -0.1
BG3	Lake Jocassee	66.40 63 eP	P	13 59 13.8 -0.1
SDMD	Rockey's Dell	66.42 56 eP	P	13 59 13.5 -0.4
T56A	Roddy Mt	66.49 60 P	P	13 59 14.6 +0.1
AKN	Aaknes	66.51 357 eP	P	13 59 15.4 +1.3
QUAZ	Berchertown	66.52 51 eP	P	13 59 13.9 -0.6
QUAZ		66.52 51 eP	P	13 59 43.7 +0.1
S57A	Dark Hollow, R	66.53 59 P	P	13 59 15.0 +0.3
ULHL	Ulahol	66.53 309 P	P	13 59 14.7 -0.2
X53A	Estanollee	66.55 64 P	P	13 59 15.5 +0.7
DOMB	Dombas	66.57 356 eP	P	13 59 15.0 +0.4
Y52A	Lilburn	66.59 65 eP	P	13 59 15.0 -0.2
Y52A	comp=Z,499nm,0.8s			
Y52A	Lilburn	66.59 65 P	P	13 59 15.3 +0.2
USP	Ospenovka	66.59 311 P	P	13 59 15.1 0.0
BRNJ	Sankin Ridge	66.62 54 eP	P	13 59 14.4 -0.8
399A	Repton	66.64 69 P	P	13 59 16.2 +0.8
PAL	Palisades	66.71 53 eP	P	13 59 14.9 -0.9
PAL	Palisades	66.71 53 eP	P	13 59 44.8 +0.3
PAL	Palisades	66.71 53 eP	P	13 59 14.9 -0.9
PAL	Palisades	66.71 53 P	P	13 59 15.6 -0.1
PAL	Palisades	66.71 53 P	P	13 59 15.9 0.0
250A	Grady	66.72 68 eP	P	13 59 15.8 -0.2
250A	comp=Z,1um,0.8s			
250A	Grady	66.72 68 P	P	13 59 16.1 +0.2
MOIG	Morelia	66.73 87 eP	P	13 59 16.1 -0.3
HRV	Adam Rzewoski	66.73 51 P	P	13 59 14.7 -1.1
PSUB	Penn St. - Bra	66.74 55 eP	P	13 59 15.9 0.0
PSUB		66.74 55 eP	P	13 59 44.3 -0.3
LKP	Lekhapani	66.75 285 eP	P	13 59 16.6 +0.4
W54A	Cherokee Point	66.75 63 P	P	13 59 16.1 0.0
SGSI	Sanghie	66.77 245 P	P	13 59 11.1 -5.3
KBK	Karagaybulak	66.85 310 P	P	13 59 17.8 +1.0
CPNY	Central Park	66.85 53 eP	P	13 59 15.8 -0.8
151A	Opelika	66.86 67 P	P	13 59 16.2 -0.6
BRAL	Brewton	66.86 69 eP	P	13 59 17.3 +0.5
BRAL	comp=Z,988nm,1.0s			
BRAL	comp=Z,969nm,22.0s			
BRAL	Brewton	66.86 69 P	P	13 59 17.7 +0.9
Y53A	Monroe	66.87 64 P	P	13 59 16.8 -0.1
Z52A	Williamson	66.89 65 P	P	13 59 16.7 -0.3
GGN	Saint George	66.92 46 eP	P	13 59 16.2 -0.8
T57A	Hurt	66.93 59 P	P	13 59 16.9 -0.4
WES	Weston	66.94 50 eP	P	13 59 15.9 -1.2
WES	comp=Z,165nm,1.9s			
WES	Weston	66.94 50 eP	P	13 59 15.9 -1.2
WES				
R58B	Mineral	66.95 58 eP	P	13 59 16.1 -1.2
R58B	comp=Z,115nm,1.8s			
R58B	Mineral	66.95 58 P	P	13 59 17.5 +0.2
EMMW	East Machias	66.96 46 eP	P	13 59 15.9 -1.3
CBN	Corbin Frederi	67.03 57 PFAKE	LR	13 59 30.0 +1.2
X54A	Belt	67.04 63 P	P	13 59 18.2 +0.2
449A	Pace	67.06 69 P	P	13 59 18.8 +0.6
AAK	Ala-Archa	67.08 310 PFAKE	LR	13 59 14.7 -3.6
AAK	Ala-Archa	67.08 310 PFAKE	LR	13 59 30.0 +1.2
AAK	Ala-Archa	67.08 310 PFAKE	LR	13 59 18.6 +0.3

AAK	Ala-Archa	67.08 310 eP	P	13 59 17.9 -0.4
AAK	comp=Z,42nm,0.7s			
AAK	Ala-Archa	67.08 310 P	P	13 59 18.3 0.0
350A	Dozier	67.09 68 P	P	13 59 18.6 +0.4
152A	Waverly Hall	67.10 66 eP	P	13 59 17.6 -0.7
152A	comp=Z,239nm,0.8s			
152A	Waverly Hall	67.10 66 P	P	13 59 17.6 -0.7
S58A	Poland Farm, P	67.12 58 P	P	13 59 17.9 -0.5
251A	Midway	67.13 67 P	P	13 59

21d 13h

2013 APR

1398

Table with columns for call sign, name, frequency, power, mode, and other details. Includes entries like 452A Marianna, Y56A Pelion, U59A Littleton, etc.

Table with columns for call sign, name, frequency, power, mode, and other details. Includes entries like OBN comp=Z,1um,22.0s, 357A Townsend, TLIG comp=Z,259nm,1.9s, etc.

Table with columns for call sign, name, frequency, power, mode, and other details. Includes entries like ESY Stoneypath, VSR Storozhevoje, EAU comp=Z,113nm,0.5s, etc.





21d 13h

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like RETA Reutte, GRR Siria, MLR Muntele Rosu, etc.

2013 APR

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like SRE Strehaiha, WRAB Tennant Creek, WRA Warramunga Arr, etc.

1400

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like ISK Istanbul-Kandi, DYBB Diyarbakir, BRY Bratogost, etc.





Table with columns: Station Name, Time, Frequency, Modulation, Power, and other technical details. Includes stations like ULN Ulaanbaatar, WMQ Urumqi, KS15 Wonju Array Si, etc.

Table with columns: Station Name, Time, Frequency, Modulation, Power, and other technical details. Includes stations like TXIX Tikisi, GNI Garni, KIV Kislovodsk, etc.

Table with columns: Station Name, Time, Frequency, Modulation, Power, and other technical details. Includes stations like PLCA Paso Flores, CPUP Villa Florida, CFA Coranel Fontan, etc.

ISK 21 14:29:45.5, 37:23N-28:20E, h8km, ML2.67
DDA 21 14:29:46.2, 37:29N-28:21E, h7km-5km, ML2.5
ISC 21 14:29:45.31, 4, 37.31N.0.05-28.22E:0.03, h2km-14km, n17, 0569/25, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like AYDN Tasoluk, TURUN Turunc, etc.

ISK 21 14:32:45.6, 37:32N-37:12E, h8km, ML2.0/8
DDA 21 14:32:46.0, 37:33N-37:11E, h9km-1km, ML2.8
ISC 21 14:32:46.6, 0.9, 37.30N.0.03-37.12E:0.02, h8km-8km, n24, 0511/35, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GAZ Gaziantep, HCB Kahramanmaraş, etc.

IDC 21 14:21:46.6:0.7, 60:61S:20:26W, h0km, mb4.2/11, mb1.4/3/11, mb1mx4.1/39, mbtmp4.2/11, MS3.2/1, Ms1.3/2.1, ms1mx2.9/22, Error ellipse: s-maj=26.1km s-min=16.9km az=18.0

NEIC 21 14:21:47.9:0.2, 60:61S:20:26W, h10km, mb4.8/7, Error ellipse: s-maj=9.7km s-min=7.2km az=223.0

ISC 21 14:21:47.7:0.5, 60:17S:03:20W:0.1, h10km, n53, #10749, mb4.4/14, East of South Sandwich Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer-Stat, etc.



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

ISK 21 15:29:26.9, 37.32N, 37.11E, h12km, ML1.8/6
DDA 21 15:29:27.5, 37.32N, 37.10E, h5km, 1km, ML2.6

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

NEIC 21 15:35:03.9, 0.0, 16.97N, 94.22W, h164km, MD4.1 (MEX), After MEX.

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

DDA 21 15:35:44.2, 37.34N, 37.13E, h8km, 1km, ML2.7
ISK 21 15:35:44.0, 37.33N, 37.12E, h7km, ML1.8/7

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

ISC 21 15:37:15.1, 21.4, 2.85S, 139.15E, h0km, mb3.2/2, mb1 3.6/3, mb1mx3.2/28, mbtmp3.4/3, ML3.6/1, MS3.1/2, Ms1 3.1/2, ms1mx2.6/19, Error ellipse: s-maj=29.6km s-min=14.3km s-min=163.0, Near north coast of Irian Jaya

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

DDA 21 15:41:19.8, 37.33N, 37.10E, h3km, 2km, ML2.7
ISK 21 15:41:19.3, 37.32N, 37.11E, h4km, ML1.8/7

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

ISC 21 15:41:45.6, 3.5, 3.191N, 140.58E, h0km, mb3.2/3, mb1 3.4/4, mb1mx3.2/40, mbtmp3.2/4, ML2.2/1, Error ellipse: s-maj=137.5km s-min=25.0km az=71.0, Southeast of Honshu

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

IGQ 21 15:43:58.7, 0.9, 1.19S, 8.1W, h12km, ML4.3
ISC 21 15:43:56.6, 2.3, 1.9S, 0.06E, 1.1W, 0.1, h11km, n39, n182/41, Off coast of Ecuador

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

ISC 21 15:51:15.8, 1.3, 2.30S, 126.07E, h0km, mb3.4/3, mb1 3.5/4, mb1mx3.3/38, mbtmp3.4/4, ML3.4/1, Error ellipse: s-maj=134.4km s-min=21.7km az=68.0, Ceram Sea

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

ISC 21 15:55:24.3, 1.1, 3.002N, 140.76E, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.4/39, mbtmp3.4/5, Error ellipse: s-maj=64.8km s-min=21.8km az=102.0, Southeast of Honshu

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

ISC 21 15:59:23.7, 37.31N, 37.09E, h10km, ML1.9/7
DDA 21 15:59:24.0, 37.33N, 37.09E, h3km, 2km, ML2.7
ISC 21 15:59:23.6, 1.0, 37.32N, 0.04, 37.11E, 0.03, h15km, 8km, n13, n056/21, Turkey

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

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

MEX 21 16:04:18.1, 0.4, 15.21N, 92.66W, h127km, 5km, MD3.8, Mexico-Guatemala border region

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

ISC 21 16:27:45.6, 1.3, 5.5, 85N, 162.54E, h0km, mb3.5/7, mb1 3.7/8, mb1mx3.4/44, mbtmp3.5/8, ML2.2/1, MS2.9/1, Ms1 2.9/1, ms1mx2.4/47, Error ellipse: s-maj=34.7km s-min=19.8km az=158.0

KRSC 21 16:27:46.9, 10.0, 55.74N, 162.50E, h50km, 10km, ML4.0
ISC 21 16:27:49.6, 1.2, 5.5, 80N, 162.43E, 0.04, h29km, 9km, n45, n123/66, mb3.4/7, Near east coast of Kamchatka

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

ISC 21 16:35:21.9, 0.9, 37.30N, 0.04, 37.11E, 0.03, h9km, 8km, n17, n073/25, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11N2, H11N3, etc.

DDA 21 16:35:21.3, 37.32N, 37.11E, h3km, 3km, ML2.5
ISK 21 16:35:21.3, 37.31N, 37.11E, h10km, ML1.7/7

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



Table with columns: ANDN, Andrin, 0.67 295, i P, P, 16 35 35.1 -0.7. Includes stations like KAHRAMANMARAS02, KOZAN, ADANA, CEYHAN, AKCADAG, TAHTAKOPRU-HAT, SANLIURFA\_SURC, DAREDE-MALATY, URFA.

ISK 21 16:43:44.1, 37:32N:37:12E, h5km, ML2.4/B
DDA 21 16:43:44.2, 37:31N:37:11E, h3km, 2km, ML2.8
ISC 21 16:43:44.7, 0.9, 37:31N:03:37:12E:0.02, h8km, 2km,

Main table for 21d 17h section, listing stations like GAZ, KAHRAMANMARAS, KOZAN, ADANA, CEYHAN, AKCADAG, TAHTAKOPRU-HAT, SANLIURFA\_SURC, DAREDE-MALATY, URFA, MAZI, etc.

ISC 21 16:48:13.3e.1.2.53:64N:163:52W, h0km, mb3.8/13,
mb1.4/0.14, mb1mx3.7/60, mbtmp3.8/14, ML2.3/1, Error
ellipse: s-maj=31.1km s-min=17.4km az=171.0

Table with columns: Code, Station Name, A' AZ', Phase ID, ISC, Time Res, h m s ISC. Includes stations like BRPK, WESP, WSLT, WSBT, WBTB, FALS, AKSA, AKUT, AHB, DRIA, ZRO, AKMO, AKRB, DNT, UNV, DOL, MTBL, MREP, MSW, PSAA, MCIR, SDPT, OKRS, OKSP, OKAK, NIKH, VNVF, VNHG, CHGN, ANPB, ANNE, SPIA, SII, OHAK, KDOK, ADK, SVW2, RSO, BRLK, SEW, SUA, RC01, PPLA, GAMB.

Table with columns: KNK, Kniek Glacier, 11.28 39, e Pn, 16 50 54.1 -1.2. Includes stations like GHO, CAST, SML, EYAK, PAX, TRF, KLU, BPWA, HMT, RND, PAX, DHY, HARP, MLY, TGL, WRH, CCB, HDA, MENT, RIDG, ILAR, ILB, DOT, SGM, COLD, FYU, EGAK, DAWY, TOLK, WHY, EPYK, INK, PEAT, YKA, YKBS, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, LTX, TXAR, SONAO, SONM, ARAD, ARCE, KURBB, BVAR, FIAO, FINES, MK32, MKAR, AKTO, GERES, MOTA, WATA, WTTA, SQTA, KBA, CMAR, ABTA, SOKA, OBKA.

ISK 21 16:53:03.8, 37:33N:37:12E, h7km, ML1.9/7
DDA 21 16:53:04.2, 37:31N:37:09E, h3km, 2km, ML2.6
ISC 21 16:53:04.6, 1.0, 37:33N:03:37:12E:0.02, h5km, 10km,

Main table for 2013 APR section, listing stations like GAZ, KAHRAMANMARAS, KOZAN, ADANA, CEYHAN, AKCADAG, TAHTAKOPRU-HAT, SANLIURFA\_SURC, DAREDE-MALATY, URFA, MAZI, etc.

ISC 21 16:53:03.8, 37:33N:37:12E, h7km, ML1.9/7
DDA 21 16:53:04.2, 37:31N:37:09E, h3km, 2km, ML2.6
ISC 21 16:53:04.6, 1.0, 37:33N:03:37:12E:0.02, h5km, 10km,

Table with columns: Code, Station Name, A' AZ', Phase ID, ISC, Time Res, h m s ISC. Includes stations like GAZ, KAHRAMANMARAS, KOZAN, ADANA, CEYHAN, AKCADAG, TAHTAKOPRU-HAT, SANLIURFA\_SURC, DAREDE-MALATY, URFA, MAZI, etc.

Table with columns: ELZG, comp=Z.199nm,0.1s, IAML\_P. Includes stations like GAZ, KAHRAMANMARAS, KOZAN, ADANA, CEYHAN, AKCADAG, TAHTAKOPRU-HAT, SANLIURFA\_SURC, DAREDE-MALATY, URFA.

DDA 21 16:55:05.9, 37:31N:37:11E, h5km, 2km, ML2.7
ISK 21 16:55:05.6, 37:32N:37:13E, h6km, ML2.0/7
ISC 21 16:55:06.5, 0.9, 37:30N:03:37:11E:0.02, h9km, 7km,

Main table for 1406 section, listing stations like GAZ, KAHRAMANMARAS, KOZAN, ADANA, CEYHAN, AKCADAG, TAHTAKOPRU-HAT, SANLIURFA\_SURC, DAREDE-MALATY, URFA, MAZI, etc.

IDC 21 16:56:42.7, 8.8, 35:15N:70:10E, h75km, 37km, mb3.6/3,
mb1.3/6.8, mb1mx3.2/57, mbtmp3.8/8, ML3.7/6, Error
ellipse: s-maj=123.5km s-min=25.3km az=160.0

NNC 21 16:56:48.7, 3.1, 36:39N:69:52E, h0km, mb4.1, mpv3.8,
Error ellipse: s-maj=32.4km s-min=13.2km az=153.0

NEIC 21 16:56:49.0, 6.3, 35:88N:69:75E, h118km, 9km, mb4.1/3,
Error ellipse: s-maj=8.9km s-min=7.8km az=86.0

ISC 21 16:56:50.2, 0.8, 35:98N:0:06, h112km, n39,
r194/43, 6C-2D, Hindu Kush region

Main table for 1406 section, listing stations like KBL, GAR, NBL, BTK, ARSLAN, AML, KK31, KK32, KK33, KARAR, UCH, NRN, EK2, KZA, AAK, AAK, AAK, AAK, CHMS, TKM2, TKM3, KDJ, GEYT, GEYT, GYAOB, GYAOB, GYAOB, GYAOB, MK2, MK1, MK3, MKAR, AB31, AB31, AB31, WMQ, KURBB, AKTO, BVAR, BRVK, LSA, ZALV, ZALV, KBZ, ARCES.

IDC 21 17:03:50.8, 5.8, 35:55N:139:31E, h69km, 86km, mb3.1/2,
mb1.3/3.2, mb1mx2.8/48, mbtmp3.4/2, Error ellipse:
s-maj=90.2km s-min=68.6km az=21.0

JMA 21 17:03:52.2, 0.1, 35:99N:139:51E, h98km, 1km, M3.1
ISC 21 17:03:51.6, 1.2, 35:99N:0:05, h139.42E:0.07, h104km, 8km,

ISC 21 17:03:52.2, Near south coast of eastern Honshu

Table with columns: Code, Station Name, A' AZ', Phase ID, ISC, Time Res, h m s ISC. Includes stations like JHU, Hanno, 0.8 219, P, 17 04 06.7 +0.5.



21d 18h

2013 APR

1408

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations like Sao Teotonio, Barranco-do-Ve, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like ECAB EI Cabril, ECAB, LCMR Malaga-Limoner, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like PMAR Madeira, PMAR Madeira, PMAR Madeira, etc.

ISK 21 18:55:43.9, 37:30N-37:09E, h9km, ML 1.9/8
DDA 21 18:55:44.4, 37:31N-37:10E, h2km, 2km, ML 2.5
ISC 21 18:55:44.6, 0, 9, 37:28N, 0:03, 37:08E, 0:02, h10km, 7km,
n19, 0:62/28, Turkey
Code Station Name Az AzZ Phase ID Time Res
HCB Kahramanmara 0.15 294 iD P 18:55:48.8 +0.8
HCB IAML\_P Sg 18:55:50.1 -0.2
GAZ Gaziantep 0.15 136 PG Pg 18:55:47.9 -0.2
AYKD Aykinkavak 0.25 301 iS P 18:55:50.7 -0.6
AYKD IAML\_P S 18:55:54.7 -1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMRS Kahramanmaras, KAMA Osmaniye, GZT Gaziantep, etc.

NDI 21 19:35:36.6,3.0,23:17N:93.91E, h10km, ML4.6, mb4.6(NEIC)

NEIC 21 19:35:38.7,0.5,23:00N:94.03E, h74km, 5km, mb4.6/18, Error ellipse: s-maj=8.3km s-min=4.3km az=55.0

IDC 21 19:35:38.2,1.7,23:01N:94.10E, h70km, 16km, mb4.0/22, mb1.4, 1/24, m1mx3.9/50, mbtmp4.3/24, MSJ.1/7, Ms1.3/2.7, ms1mx3.0/30, Error ellipse: s-maj=15.1km s-min=9.9km az=52.0

BUI 21 19:35:40.0,23.36N:93.99E, h73km, mb4.5/22, mb4.6/16, Ms4.1/1.1, Ms7.3/8.5

ISC 21 19:35:38.5,0.6,23:09N:0.04, 93.93E:0.04, h75km, 5km, h75km: pP, n153, c2913/174, mb4.5/58, 9C-2D, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAIH SAIHA, BRDH Baridhala, BELO BELONIA, etc.

IDC 21 19:23:55.7,2.2,0.20N:16.59W, h0km, mb3.9/3, mb1.0/4.0, mb1mx3.4/4.3, mbtmp4.0/4, ML3.9/1, MSJ.3/1, Ms1.3/1.3, ms1mx2.7/27, Error ellipse: s-maj=64.4km s-min=46.2km az=121.0, North of Ascension Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H10N2 ASCENSION HYDR, H10N3 ASCENSION HYDR, etc.

SJA 21 19:32:09.0,0.4,27.30S:66.41W, h64km, 18km, ML3.9, MW3.8, Catamarca Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AHML Horco Molle, FSA Cafayete, CYA Choya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DDI New Delhi, NDI Simla, SMLA Gaotai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAIH SAIHA, BRDH Baridhala, BELO BELONIA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIMRM Sitwe, SHL Shillong, MOKO MOKOCHONG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TURI Tura, CHTO Chiang Mai, CMMT Chiang Mai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai, CM01 Chiang Mai Arr, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NANT Nan, RAMN Ramite, SUKH Sukhothai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UTTA Utтарид, UMPA Umpang Tak, KMI Kunming, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIRN Jiri, PHULCHOKI Phulchoki, KKN Kakani, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DDI New Delhi, NDI Simla, SMLA Gaotai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSLI Meulaboh, KCSI Kutacane, PALK Pallekele, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CEP Cherat, BTO Bato, KSH Kashi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HHC Hu-ho-hao-te, HHC HHC, HHC HHC, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32 Makanchi Arr, MK32 Makanchi Arr, MAKZ Makanchi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAR Garm, SONAO Songino Array, SONM Songino Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONM Songino Array, ULN Ulanbataar, KURBB Kurchatov Arr, etc.

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











21d 23h

Table of astronomical observations for 21 days and 23 hours, listing objects like SRAK, BATI, SOEI, etc., with their coordinates and observation details.

2013 APR

Table of astronomical observations for April 2013, listing objects like KSH, KBL, MJAR, etc., with their coordinates and observation details.

1414

Table of astronomical observations for 1414, listing objects like CPUP, BDFB, LVC, etc., with their coordinates and observation details.

s-min=52.0km az=144.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, ISC, Time, Res, ISC. Rows include RAO Raoul Island, CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, AKASG Malin Arr Bay.

IDC 21 23:44:59.7-1.0, 30.09N, 102.84E, h0km, mb3.7/7, mb1 3.9/8, mb1mx3.5/43, mbtmp3.7/8, ML3.3/1, Error ellipse: s-maj=36.1km s-min=18.8km az=62.0

BUI 21 23:45:01.9, 30.30N, 102.88E, h19km, ML3.6/11, Ms3.5/5, Ms7.3/5/3

ISC 21 23:45:02.5-0.7, 30.33N, 102.88E, 0.07, h10km, n15, z=627/23, mb3.7/8, 1C, Sichuan

Table with columns: Code, Station Name, Az, Phase, ID, ISC, Time, Res, ISC. Rows include CD2 Chengdu, GYA Guiyang, KMI Kunming, LZH Lanzhou, XAN Xi'an, SONM Songoing Array, WMQ Urumqi, KRSR Korea Array, MKAR Makanchi Array, ZALV Zalesovo Beam, WUBA Kurchatov Arr, KRR Warramunga Arr, ASAR Alice Springs, ILAR Gielson Array, YKA Yellowknife Arr.

IDC 21 23:59:29.1-0.7, 12.148N, 88.87W, h0km, mb4.3/13, mb1 4.6/17, mb1mx4.3/36, mbtmp4.3/17, ML3.9/4, MS3.7/21, Ms1.3/7/21, ms1mx3.6/28, Error ellipse: s-maj=26.8km

s-min=12.2km az=52.0

NEIC 21 23:59:32.0-0.0, 12.12N, 89.05W, h22km, mb4.8/167, MD4.5(SNET), After SNET.

NEIC Felt [I] at Zacatecolucla.

UCR 21 23:59:32.0, 12.05N, 88.99W, h31km, 12km, MD4.0, ML4.4, mb4.8(NEIC)

SNET 21 23:59:32.0, 12.12N, 89.05W, h22km, MD4.5, MD4.8(NEIC)

GCMT 21 23:59:34.0-0.3, 11.94N, 02.89, 22W, 0.03, h12km, MW4.8/77, Moment Tensor Solution, s26,c29, s77,c109; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=2.13e.05; Mw=1.76e.05; Mm=0.37e.06; Mo=0.26e.21; Mu=0.81e.05; Ms=0.49e.26; Best double couple: Mc2.20300x10^16 NP1.3e303.00000e, s51.00000e, A-79.00000e, NP2: e=106.00000e, s40.00000e, A-103.00000e. Principal axes: T 2.1800, Plg6.0000, Azm26.0000; N 0.0480, Plg8.0000, Azm117.0000; P -2.2260, Plg80.0000, Azm261.0000; ns1a refers to body waves, cutoff=40s. ns1a2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 23:59:30.4-1.3, 12.06N, 0.05, 88.99W, 0.04, h10km, gkm, n518, r125/530, mb4.7/160, MS3.9/25, Off coast of central America

Table with columns: Code, Station Name, Az, Phase, ID, ISC, Time, Res, ISC. Rows include TECA Tecapa, LCY Lacayo, VSM San Miguel, PACA Pacayal, SNVI San Vicente, LFRS El Faro, CAHU Serv Nac Est T, SNET, LCND La Caada, PAVA Las Pavas, CNCH Conchagua, OPAM San Salvador, CSGN Cosiguina Volc, CSGN Cosiguina Volc, LBRB Las Brisas, UES San Salvador, LFU La Fuente, BOQS Boqueron, CAHU Cacacuatique, CEVE Cerro Verde, SBL San Blas, SJS San Jose, SNE Victoria, VICT Victoria, RTR El Retiro.

Table with columns: CRIN, CNGN, CPOP, MTO3, MCOM, IXG, TGUH, TGUH, MGAN, ESTel, ESTel, PEG, NBG, FUG, FUG, MRL, MRL, RCON, RCON, MATN, APG, APG, APG, CONN, ACON, ACON, JTS, JTS, JTS, JTS, ESPN, ESPN, COIG, HDG, HDG, BRU2, TBS2, DVD, CMVG, CMVG, TEIG, WYIG, BCIP, WBCY, FSCY, TLG, ROSC, ROSC, 060Z, ZAIG, 857A, 757A, 655A, SDV, SDV, 658A, 833A, 833A, HKT, 452A, 453A, 453A, 454A, 454A, 351A, 350A, 352A, 352A, 353A, 249A, TIGA, TIGA, 250A, VBMS, 251A, 435B, 435B, NATX, 254A, 147A, 147A, 148A, 149A, 150A, 151A, 255A, 152A, JCT, JCT, LRAL, LRAL, Z49A, 154A, 154A, 250A, WHTX, WHTX, Z41A, Z52A, HPGI.

Table with columns: Z53A, ATAH, Y48A, Z54A, Y49A, Y49A, GOGA, GOGA, WLAR, CCAR, Y50A, TX31, TXAR, TXAR, Y51A, Y52A, Y52A, Y53A, Z56A, OXF, OXF, X48A, X48A, X47A, X46A, X43A, Y54A, X49A, X50B, X40A, X40A, ABTX, ABTX, X51A, X51A, Y55A, Y56A, MIAR, MIAR, UALR, PLAL, HODG, HODG, X52A, X53A, W48A, W49A, W47A, HUMP, X37A, X37A, X47A, W41B, W41B, JSC, SWET, Y57A, W50A, X55A, W51A, MTP, W39A, W39A, X56A, BG3, PAUL, W53A, CPCT, V48A, V48A, W54A, V49A, V50A, TKL, TKL, WVT, WVT, V51A, V51A, V53A, V53A, V52A, V52A, W56A, W56A, W56A, W56A.

21d 23h

U47A	Clarksville	24.33	3	P	P	00 04 47.8	-0.6
W57A	Gilead	24.40	18	P	P	00 04 48.2	-0.9
U40A	Yellville	24.45	352	P	P	00 04 49.4	-0.1
V54A	Nebo	24.46	14	P	P	00 04 48.8	-0.8
PARMO	Parma	24.51	359	eP	P	00 04 51.3	+1.3
W58A	Raeford	24.52	20	P	P	00 04 49.3	-0.8
U49A	Red Boiling Sp	24.52	6	P	P	00 04 49.8	-0.3
HHAR	Hobbs	24.53	350	eP	P	00 04 51.7	+1.4
TUL1	Leonard	24.53	347	eP	P	00 04 49.9	-0.4
TUL1	Leonard	24.53	347	eP	P	00 04 50.1	-0.2
U50A	Jamestown	24.54	8	P	P	00 04 49.8	-0.5
U51A	La Follette	24.63	10	P	P	00 04 50.5	-0.7
PBMO	Poplar Bluff	24.65	357	eP	P	00 04 52.5	+1.2
MNTX	Cornudas Mount	24.71	325	eP	P	00 04 52.0	+0.1
MNTX	Cornudas Mount	24.71	325	eP	P	00 04 51.4	-0.5
V55A	Taylorville	24.71	15	P	P	00 04 52.0	+0.1
U52A	Thorn Hill	24.76	11	P	P	00 04 51.4	-0.9
V56A	Mocksville	24.86	17	P	P	00 04 53.0	-0.3
TZTN	Tazewell	24.87	10	eP	P	00 04 54.5	+1.2
T47A	Sharon Grove	24.88	4	eP	P	00 04 52.9	-0.5
U47A	Sharon Grove	24.88	4	eP	P	00 04 51.8	-1.6
T43A	Fall Branch	24.88	12	P	P	00 04 52.8	-0.7
T49A	Edmonton	25.14	7	eP	P	00 04 55.3	-0.4
T49A	Edmonton	25.14	7	eP	P	00 04 54.5	-1.2
T50A	Nancy	25.14	8	P	P	00 04 54.7	-1.0
V57A	Coltrane Farms	25.15	18	P	P	00 04 54.7	-1.1
MSTX	Muleshoe	25.18	332	eP	P	00 04 55.6	-0.7
MSTX	Muleshoe	25.18	332	eP	P	00 04 55.0	-1.3
U54A	Nelsons Funny	25.20	14	P	P	00 04 55.0	-1.4
T51A	Gray	25.21	10	P	P	00 04 55.4	-1.1
U55A	TA2, Sparta	25.37	15	P	P	00 04 56.8	-1.2
AMTX	Amarillo	25.48	335	eP	P	00 05 00.3	+1.3
T53A	Wise	25.49	12	P	P	00 04 57.7	-1.3
S45A	Carrier Mills	25.52	1	P	P	00 04 57.4	-1.7
V59A	Middlesex	25.53	21	P	P	00 04 57.8	-1.5
S41A	Jilco Farms	25.54	355	P	P	00 04 58.0	-1.4
S46A	Don Dixon Farm	25.55	2	P	P	00 04 57.8	-1.6
SIUC	Southern Illin	25.55	360	eP	P	00 05 00.8	+1.3
T54A	Tazewell	25.77	14	P	P	00 05 00.7	-1.0
S49A	Springfield	25.83	7	P	P	00 05 01.0	-1.1
S51A	Beattyville	25.93	10	P	P	00 05 01.7	-1.2
CCM	Cathedral Cave	25.97	356	eP	P	00 05 02.8	-0.5
CCM	Cathedral Cave	25.97	356	eP	P	00 05 03.1	-0.2
T55A	Pulaski	26.02	15	P	P	00 05 02.4	-1.4
R45A	Skyler, Fairfri	26.14	1	P	P	00 05 03.8	-0.9
WCI	Wyandotte Cave	26.18	5	eP	P	00 05 04.5	-0.7
WCI	Wyandotte Cave	26.18	5	eP	P	00 05 04.2	-0.9
BLA	Blacksburg	26.20	16	eP	P	00 05 07.2	+1.8
BLA	Blacksburg	26.20	16	eP	P	00 05 03.7	-1.8
R41A	Rosebud	26.22	356	P	P	00 05 04.7	-0.9
R47A	Wooly Knot Far	26.22	4	P	P	00 05 04.5	-1.0
T57A	Hurt	26.33	18	P	P	00 05 04.5	-2.1
R49A	Shelbyville	26.35	7	P	P	00 05 04.9	-1.8
R51A	Hillsboro	26.58	10	P	P	00 05 07.7	-1.0
121A	Cookes Peak, D	26.70	323	P	P	00 05 08.5	-1.8
Q45A	Warren Harvey,	26.74	1	P	P	00 05 08.7	-1.5
319A	Douglas	26.84	319	eP	P	00 05 14.2	+2.8
Q47A	Bedord North L	26.87	4	P	P	00 05 10.2	-1.1
R53A	Hurricane	26.91	12	P	P	00 05 10.1	-1.7
BNN	Barren Site	27.24	327	eP	P	00 05 16.4	+1.3
R55A	Marlinton	27.29	15	P	P	00 05 13.9	-1.4
Q51A	Peebles	27.32	10	eP	P	00 05 15.5	0.0
Q51A	Peebles	27.32	10	eP	P	00 05 14.1	-1.4
P47A	Martinsville	27.43	5	P	P	00 05 14.8	-1.6
Q52A	Bidwell	27.45	11	P	P	00 05 15.2	-1.4
P48A	Milroy	27.48	6	P	P	00 05 13.7	-3.1
P49A	Miami Univ. Ec	27.63	7	P	P	00 05 16.2	-2.0
R58B	Mineral	27.65	19	P	P	00 05 16.3	-2.0
Q43A	Sugar Creek Fa	28.12	359	P	P	00 05 21.0	-1.6
P52A	Corning	28.13	11	P	P	00 05 20.6	-2.1
P53A	Whipple	28.14	13	eP	P	00 05 23.2	+0.4
P53A	Whipple	28.14	13	eP	P	00 05 20.7	-2.1
Q47A	Sheridan	28.18	5	P	P	00 05 20.9	-2.2
SFIN	Lafayette	28.26	3	eP	P	00 05 23.5	-0.3
Q48A	Farmland	28.29	6	P	P	00 05 23.1	-1.1
CBKS	Cedar Bluff	28.31	342	eP	P	00 05 24.1	-0.4
CBKS	Cedar Bluff	28.31	342	eP	P	00 05 22.3	-2.1
Q49A	Covington	28.32	8	P	P	00 05 25.1	+0.8
Q49A	Covington	28.32	8	P	P	00 05 22.6	-1.8
Q50A	Cable	28.38	9	P	P	00 05 23.6	-1.3
TUC	Tucson	28.41	319	eP	P	00 05 27.2	+1.8
P54A	Burton	28.45	14	P	P	00 05 24.7	-0.9
Q51A	Pataskala	28.54	10	P	P	00 05 24.2	-2.2
T25A	Trinidad	28.56	334	eP	P	00 05 27.3	+0.4
T25A	Trinidad	28.56	334	eP	P	00 05 25.7	-1.1

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ACSO	Alum Creek Sta	28.56	10	P	P	00 05 25.6	-0.9
O52A	Adamsville	28.65	11	eP	P	00 05 27.2	-0.1
O52A	Adamsville	28.65	11	eP	P	00 05 26.5	-0.9
N46A	Monticello	28.80	4	P	P	00 05 27.7	-0.9
N40A	Merlquake, Sal	28.81	356	P	P	00 05 27.9	-0.8
N48A	Decatur	28.80	6	P	P	00 05 28.7	-0.8
O53A	New Philadelph	28.91	12	P	P	00 05 28.5	-1.1
O54A	Avella	29.03	14	P	P	00 05 29.6	-1.1
N50A	Nevada	29.06	9	P	P	00 05 30.0	-0.9
214A	Wagon Pipe Nat	29.54	316	P	P	00 05 34.4	-1.0
SDCO	Great Sand Dun	29.54	333	eP	P	00 05 37.4	+1.7
N54A	Moraine State	29.86	14	eP	P	00 05 39.0	+0.9
N54A	Moraine State	29.86	14	eP	P	00 05 36.3	-1.8
L41A	Preston	29.93	358	P	P	00 05 37.6	-1.1
L40A	Anamosa	29.96	357	eP	P	00 05 38.4	-0.5
L40A	Anamosa	29.96	357	eP	P	00 05 37.6	-1.3
L39A	Vinton	30.07	356	P	P	00 05 38.6	-1.3
S22A	4UR Ranch, Cre	30.16	331	eP	P	00 05 42.4	+1.3
S22A	4UR Ranch, Cre	30.16	331	eP	P	00 05 39.3	-1.8
X16A	Lo Mia Camp, P	30.21	321	eP	P	00 05 43.4	+1.9
BGNE	Belgrade	30.32	346	eP	P	00 05 43.8	+1.6
Q24A	Divide	30.41	335	P	P	00 05 41.6	-1.7
K41A	Shullsburg	30.46	358	P	P	00 05 41.4	-1.9
K40A	Colesburg	30.59	357	P	P	00 05 43.5	-1.0
K39A	Oelwein	30.64	356	P	P	00 05 43.1	-1.8
113A	Mohawk Valley,	30.67	316	eP	P	00 05 47.4	+2.0
K47A	Vermontville	30.70	6	P	P	00 05 43.8	-1.6
JFWS	Jewell Farm	30.76	358	eP	P	00 05 47.3	+1.2
JFWS	Jewell Farm	30.76	358	eP	P	00 05 45.1	-0.9
WUAZ	Wupaiki	30.92	323	eP	P	00 05 49.5	+1.8
K48A	Perry	30.93	7	P	P	00 05 46.5	-1.0
K49A	Clarkson	30.99	8	P	P	00 05 47.0	-1.0
N59A	State Game Lan	31.01	20	P	P	00 05 42.2	-1.1
J41A	Loganville	31.21	359	P	P	00 05 49.1	-0.8
BRNJ	Basking Ridge	31.21	21	eP	P	00 05 50.7	+0.7
J39A	Decorah	31.25	356	P	P	00 05 49.5	-0.9
J47A	Sumner	31.28	6	P	P	00 05 49.4	-1.2
ISCO	Idaho Springs	31.30	335	eP	P	00 05 52.1	+0.9
J46A	Howard City	31.31	5	P	P	00 05 50.0	-0.8
SMCO	Snowmass	31.38	333	eP	P	00 05 53.0	+1.1
L55A	Hinsdale	31.39	15	P	P	00 05 49.4	-2.2
PV05	Paradox Valley	31.53	329	eP	P	00 05 54.3	+1.2
PV03	Paradox Valley	31.54	329	eP	P	00 05 53.6	+0.4
GLA	Glamis	31.56	316	eP	P	00 05 54.8	+1.6
PV12	Saucer Basin,	31.56	329	eP	P	00 05 54.3	+0.9
PV11	David Mesa, Pa	31.58	329	eP	P	00 05 55.4	+1.8
J49A	Marlette	31.60	8	P	P	00 05 51.9	-1.5
PV17	East Wray Mesa	31.61	329	eP	P	00 05 56.5	+2.7
PV16	Nyswonger Mesa	31.61	329	eP	P	00 05 55.8	+1.9
PV20	West Nyswonger	31.66	329	eP	P	00 05 55.5	+1.5
PV04	Paradox Valley	31.67	329	eP	P	00 05 55.8	+1.2
I42A	Draeger Farm,	31.72	0	eP	P	00 05 55.4	+1.0
I42A	Draeger Farm,	31.72	0	eP	P	00 05 53.7	-0.7
PV10	Paradox Valley	31.73	329	eP	P	00 05 56.2	+1.3
I40A	Norwalk	31.75	358	P	P	00 05 54.0	-0.7
I39A	Houston	31.76	357	eP	P	00 05 55.2	+0.4
PV23	Carver Ridge	31.77	329	eP	P	00 05 56.9	+1.5
PDCCI	Parker Dam, Lak	31.85	318	P	P	00 05 55.7	0.0
PV09	Parox Valley	31.87	329	eP	P	00 05 57.4	+1.2
U15A	North Rim	32.08	323	eP	P	00 06 00.5	+2.4
W13A	Hualapai Mount	32.18	320	eP	P	00 06 00.5	+1.6
IKP	In-Kap-Hot, Jac	32.23	314	P	P	00 05 58.6	-0.6
ECSD	EROS Data Cent	32.24	350	eP	P	00 05 59.6	+0.5
ECSD	EROS Data Cent	32.24	350	eP	P	00 05 58.2	-0.9
BC3	Big Chuckawall	32.34	316	P	P	00 06 01.3	+1.2
ACTO	Action	32.37	12	P	P	00 05 59.1	-1.0
I51A	Listowel	32.37	11	P	P	00 05 59.1	-1.1
IRM	Iron Mountain	32.42	317	P	P	00 06 00.7	-0.1
BASO	Ashfield	32.46	10	P	P	00 06 00.1	-0.8
H40A	Chili	32.47	358	P	P	00 05 59.7	-1.4
MONP	Monument Peak	32.58	314	P	P	00 06 00.8	-1.6
H38A	Maiden Rock	32.63	356	P	P	00 06 01.0	-1.4
BWLO	Walkerton	32.66	11	P	P	00 06 01.4	-1.2
Q20A	White River Ci	32.73	332	eP	P	00 06 05.0	+1.4
KNB	Kanab	32.80	323	eP	P	00 06 06.2	+2.0
PFO	Pinyon Flats O	32.80	315	eP	P	00 06 08.2	+2.2
G38A	Ridgeland	33.09	356	P	P	00 06 04.8	-1.6
G40A	Rib Lake	33.12	358	eP	P	00 06 07.8	+1.1
G40A	Rib Lake	33.12	358	eP	P	00 06 05.1	-1.6
GMRC	Grate Mounta	33.14	317	P	P	00 06 05.6	-1.6
G39A	Holcombe	33.17	357	P	P	00 06 05.5	-1.6
SPMN	Marine on St.	33.22	355	eP	P	00 06 08.0	+0.5
SPMN	Marine on St.	33.22	355	eP	P	00 06 05.8	-1.7
TRY	Troy	33.34	21	eP	P	00 06 08.5	-0.1
CCUT	Cedar City	33.47	324	eP	P	00 06 12.1	+1.9

1416

MSU	Marysville	33.4
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22d Oh

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like CPUP comp=Z,1.1nm,0.3s,baz=314,slow=11,SNR=32, CPUP Villa Florida, CPUP Villa Florida, etc.

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Table with columns for call sign, name, frequency, mode, and other details. Includes entries like Z50A Ashland, LRAL Lakeview Retre, Z49A Columbiana, etc.

1418

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like PAL Palisades, O52A Adamsville, P49A Miami Univ, etc.



22d 1h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MYIG, JCT, SRIG, HKT, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like X43A, PDMCO, 249A, 451A, etc.

1420

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KSCO, SCII, 151A, PV03, etc.

DWPF	Disney Wildern	21.54	59	P	P	01 21 17.5	-1.8
PARMO	Parma	21.56	28	eP	P	01 21 18.3	-1.1
Z51A	Franklin	21.56	42	P	P	01 21 16.9	-2.6
Y50A	Piedmont	21.59	40	P	P	01 21 17.5	-2.3
556A	Lake Butler	21.61	53	P	P	01 21 17.9	-2.1
858A	St. Cloud	21.64	58	P	P	01 21 18.4	-1.9
DECC	Green Verdugo	21.64	321	P	P	01 21 22.7	+2.3
V46A	Holladay	21.65	32	P	P	01 21 18.6	-1.8
SHPR	Sheep Range	21.66	331	PFAKE	LR	01 21 30.0	+9.3
X49A	Woodville	21.67	38	P	P	01 21 18.5	-2.1
060Z	West Palm Beach	21.67	64	P	P	01 21 19.1	-1.6
SNCC	San Nicolas Is	21.70	318	eP	P	01 21 22.5	+1.4
SNCC	San Nicolas Is	21.70	318	P	P	01 21 22.3	+1.3
UTMT	University of	21.71	30	eP	P	01 21 19.7	-1.3
SHOC	Shoshone, Teco	21.72	328	P	P	01 21 23.2	+2.0
959A	Okeechobee	21.78	60	P	P	01 21 18.9	-2.9
W48A	Pulaski	21.78	36	P	P	01 21 19.5	-2.3
657A	Interlachen	21.83	54	P	P	01 21 20.3	-2.0
ISCO	Idaho Springs	21.88	353	eP	P	01 21 23.6	+0.4
ISCO	Idaho Springs	21.88	353	P	P	01 21 23.5	+0.3
EDW2	Edwards Air Fo	21.89	323	P	P	01 21 24.6	+1.6
859A	Kempfer Cattle	21.96	59	P	P	01 21 21.7	-2.1
355A	Pearson	21.96	49	P	P	01 21 22.1	-1.7
Z52A	Williamson	21.96	43	P	P	01 21 21.2	-2.6
V47A	Nunnely	21.98	33	P	P	01 21 21.7	-2.2
254A	Abbeville	21.98	47	P	P	01 21 21.1	-2.9
PAYG	Puerto Ayora	21.98	147	eP	P	01 21 27.7	+3.6
BLG	Laguna Peak, P	21.98	320	P	P	01 21 25.6	+1.5
Y51A	Rockmart	22.01	41	P	P	01 21 21.5	-2.8
153A	Fort Valley	22.02	45	P	P	01 21 21.4	-3.0
X50B	Fort Payne	22.03	39	P	P	01 21 21.3	-3.2
060A	Indiantown	22.04	62	eP	P	01 21 24.0	-0.7
060A	Indiantown	22.04	62	P	P	01 21 23.4	-1.2
WV7	Waverly	22.05	32	eP	P	01 21 22.7	-2.0
WV7	Waverly	22.05	32	eP	pmx	01 21 22.7	-2.0
WV7	Waverly	22.05	32	P	P	01 21 22.3	-2.4
U46A	Sprinkle	22.05	31	P	P	01 21 22.6	-2.1
758A	Lake Helen	22.08	57	P	P	01 21 22.5	-2.5
OSI	Ostio Audit. C	22.12	321	eP	P	01 21 27.0	+1.5
OSI	Ostio Audit. C	22.12	321	P	P	01 21 27.3	+1.7
CCM	Cathedral Cave	22.12	23	eP	P	01 21 23.5	-2.0
CCM	Cathedral Cave	22.12	23	eP	pmx	01 21 23.5	-2.0
CCM	Cathedral Cave	22.12	23	P	pmx	01 21 23.6	-1.9
557A	Orange Park	22.13	54	P	P	01 21 23.0	-2.6
W49A	Belvidere	22.14	37	P	P	01 21 23.3	-2.3
LRMC	Laurel Mtn Rad	22.15	325	P	P	01 21 27.0	+1.1
658A	Bunnell	22.23	56	eP	P	01 21 26.4	-0.2
658A	Bunnell	22.23	56	P	P	01 21 24.5	-2.2
456A	Hilliard	22.25	52	eP	P	01 21 22.7	-4.2
456A	Hilliard	22.25	52	P	P	01 21 24.4	-2.5
SC2Z	Santa Cruz Isl	22.26	319	P	P	01 21 27.8	+0.8
V48A	Smith Brothers	22.28	35	P	P	01 21 24.9	-2.3
R41A	Rosebud	22.29	23	P	P	01 21 25.1	-2.1
T45A	Paducah	22.36	30	eP	P	01 21 26.3	-1.6
T45A	Paducah	22.36	30	P	P	01 21 26.1	-1.9
FVM	French Village	22.38	25	PFAKE	LR	01 21 40.0	+1.2
FURC	Furnace Creek	22.46	328	P	P	01 21 30.7	+1.6
MPMC	Manual Prospec	22.47	326	P	P	01 21 30.9	+1.4
356A	Blackshear	22.48	50	P	P	01 21 25.7	-3.6
154A	Montrose	22.49	46	eP	P	01 21 26.1	-3.3
154A	Montrose	22.49	46	P	P	01 21 25.8	-3.7
TPNV	Topopal Spring	22.54	330	eP	P	01 21 32.5	+2.4
ARVC	Arvin	22.54	322	P	P	01 21 31.6	+1.6
255A	Hazlehurst	22.55	48	eP	P	01 21 26.6	-3.5
255A	Hazlehurst	22.55	48	P	P	01 21 27.5	-2.6
457A	Yulee	22.55	52	P	P	01 21 27.0	-3.1
U47A	Clarksville	22.57	33	P	P	01 21 27.4	-2.8
Z53A	Monticello	22.57	44	P	P	01 21 26.8	-3.5
X51A	Calhoun	22.58	40	P	P	01 21 27.7	-2.7
SBC	Santa Barbara	22.60	320	P	P	01 21 31.7	+1.0
Y52A	Lilburn	22.62	42	eP	P	01 21 30.8	-0.9
Y52A	Lilburn	22.62	42	P	P	01 21 26.9	-3.9
O20A	White River C1	22.63	348	eP	P	01 21 31.7	+0.6
O20A	White River C1	22.63	348	eP	LR	01 25 24.3	+1.0
O20A	White River C1	22.63	348	P	P	01 21 31.8	+0.7

S44A	Carbondale	22.63	28	P	P	01 21 28.6	-2.3
SIUC	Southern Illin	22.66	28	eP	P	01 21 29.0	-2.2
SIUC	Carrollton			LR	LR		
DAC	Darwin (Calif)	22.70	326	PFAKE	LR	01 21 40.0	+8.2
ISA	Isabella, Lake	22.72	324	eP	P	01 21 33.8	+1.8
ISA	Carrier Mills			LR	LR		
ISA	Isabella, Lake	22.72	324	P	P	01 21 33.1	+1.1
GOGA	Godfrey	22.72	44	eP	P	01 21 29.3	-2.6
GOGA	Godfrey	22.72	44	eP	pmx	01 21 29.3	-2.6
GOGA	Godfrey	22.72	44	P	pmx	01 21 28.4	-3.5
T46A	Princeton	22.73	31	P	P	01 21 29.8	-2.2
W50A	Signal Mountai	22.74	38	eP	P	01 21 30.4	-1.8
W50A	Signal Mountai	22.74	38	P	P	01 21 29.4	-2.8
V49A	McMinnville	22.81	36	P	P	01 21 29.9	-2.9
OGNE	Ogallala	22.83	0	eP	P	01 21 32.6	-0.4
OGNE	Ogallala			LR	LR		
OGNE	Ogallala	22.83	0	P	P	01 21 32.4	-0.6
S45A	Carrier Mills	22.92	29	P	P	01 21 32.0	-2.0
Y53A	Monroe	22.92	43	P	P	01 21 30.3	-3.7
155A	Kite	22.94	47	P	P	01 21 30.4	-3.8
PKM	Mcherson Peak	22.96	320	P	P	01 21 36.2	+1.6
256A	Glennville	23.00	49	P	P	01 21 31.3	-3.5
357A	Townsend	23.00	51	P	P	01 21 31.9	-3.0
N23A	Red Feather La	23.00	353	eP	P	01 21 35.9	+0.8
N23A	Red Feather La			LR	LR		
N23A	Red Feather La	23.00	353	P	P	01 21 34.9	-0.2
U48A	Casey Peas. P	23.01	34	P	P	01 21 31.8	-3.0
SLM	Saint Louis	23.02	25	eP	P	01 21 33.3	-1.7
SLM	Saint Louis	23.02	25	eP	LR	01 21 33.3	-1.7
SLM	Saint Louis	23.02	25	eP	pmx	01 21 33.3	-1.7
Z54A	Sparta	23.04	45	P	P	01 21 31.1	-4.1
W51A	Cleveland	23.04	39	P	P	01 21 32.1	-3.1
CWC	Cottonwood Cre	23.08	326	P	P	01 21 37.4	+1.6
T47A	Sharon Grove	23.08	32	P	P	01 21 33.5	-2.0
MBJ	Montego Bay	23.12	85	iP	P	01 21 38.5	+2.3
G4P	Grapevine Rang	23.13	328	P	P	01 21 38.0	+1.9
Q42A	Golden Eagle	23.14	24	P	P	01 21 33.9	-2.3
R44A	Waltonville	23.17	27	P	P	01 21 34.6	-1.8
YES	Vestal, Richgr	23.20	323	P	P	01 21 38.4	+1.7
V50A	Pikeville	23.20	37	P	P	01 21 34.4	-2.4
X52A	Dahlonega	23.20	41	P	P	01 21 34.1	-2.8
MCJ	Malvern	23.31	86	iP	P	01 21 39.2	+1.0
S46A	Don Dixon Far	23.33	30	P	P	01 21 35.6	-2.4
PHWY	Pilot Hill	23.35	354	eP	P	01 21 38.4	-0.2
PHWY	Pilot Hill			LR	LR		
SMMC	Simmler	23.36	321	P	P	01 21 40.2	+1.8
R11A	Troy Canyon, C	23.37	333	eP	P	01 21 40.4	+1.7
R11A	Troy Canyon, C			LR	LR		
CPCT	Cooper Cave	23.38	39	eP	P	01 21 36.8	-1.9
U49A	Red Boiling Sp	23.42	35	eP	P	01 21 36.5	-2.5
BCIP	Isla Barro Col	23.43	109	eP	P	01 21 42.0	+2.7
BCIP	Isla Barro Col			LR	LR		
BCIP	Isla Barro Col	23.43	109	eP	P	01 21 40.1	+1.7
BCIP	Isla Barro Col	23.43	109	eP	P	01 21 38.3	-1.0
CVJ	Coleville	23.44	86	iP	P	01 21 41.1	+1.7
MTDJ	Mount Denham	23.44	86	eP	P	01 21 41.2	+1.8
ZANG	Zanguanga, Ch	23.49	110	eP	P	01 21 41.1	+1.2
Q43A	New Douglas	23.50	25	P	P	01 21 38.0	-1.7
W52A	Murphy	23.50	40	eP	P	01 21 38.1	-1.7
W52A	Murphy	23.50	40	P	P	01 21 37.2	-2.6
Z55A	Blythe	23.51	46	P	P	01 21 35.8	-4.1
X53A	Estanolee	23.51	42	P	P	01 21 36.8	-3.1
Y54A	Tignal	23.51	44	P	P	01 21 36.0	-3.9
T48A	Bowling Green	23.54	33	P	P	01 21 37.9	-2.2
BGNE	Belgrade	23.55	8	eP	P	01 21 39.8	-0.4
BGNE	Belgrade			LR	LR		
BGNE	Belgrade	23.55	8	P	P	01 21 39.5	-0.7
R45A	Skyler, Fairri	23.56	28	P	P	01 21 38.8	-1.7
USIN	University of	23.58	30	eP	P	01 21 38.8	-1.6
TIN	Tinemaha, Big	23.62	327	P	P	01 21 42.4	+1.4
257A	Skidaway Islan	23.62	50	P	P	01 21 38.3	-2.6
156A	Sylvania	23.64	48	P	P	01 21 38.6	-2.5
AZU	Azuero	23.64	113	eP	P	01 21 42.3	+1.0
S47A	Hartford	23.67	32	P	P	01 21 39.1	-2.2
BBJ	Bamboo Saint A	23.68	85	iP	PA	01 21 44.2	+2.4
VOG	Valley Oaks Go	23.71	324	P	P	01 21 42.7	+1.0
V51A	Loudon	23.73	38	eP	P	01 21 39.6	-2.4
V51A	Loudon	23.73	38	P	P	01 21 39.0	-2.9
UPA	Univ. de Panam	23.78	109	eP	P	01 21 43.0	+0.4
PAGB	Antelope Grade	23.80	321	eP	LR	01 21 44.1	+1.5
PAGB	Antelope Grade			LR	LR		
PCJ	Portland Cotta	23.83	87	iP	P	01 21 46.8	+3.7
R46A	Gibson Southern	23.85	30	P	P	01 21 41.2	-1.8
U50A	Jamestown	23.87	36	P	P	01 21 40.9	-2.4
DUG	Dugway, Tooele	23.91	340	eP	P	01 21 44.8	+1.0

DUG	Dugway, Tooele	23.91	340	P	LR	01 21 44.8	+1.0
DUG	Dugway, Tooele			pmx	pmx		
DUG	Dugway, Tooele	23.91	340	P	P	01 21 44.4	+0.7
RWWY	Rawlins	23.96	351	eP	P	01 21 43.5	-0.8
RWWY	Rawlins			LR	LR		
TKL	Tuckaleechee C	23.97	39	P	P	01 21 41.6	-2.6
TKL	Tuckaleechee C	23.97	39	eP	LR	01 34 14.0	
TKL	Tuckaleechee C	23.97	39	eP	P	01 21 42.0	-2.3
TKL	Tuckaleechee C	23.97	39	eP	pmx	01 21 42.0	-2.3
T49A	Edmonton	23.99	34	eP	P	01 21 41.9	-2.5
T49A	Edmonton	23.99	34	P	P	01 21 42.2	-2.2
OLIL	Olney	24.00	28	eP	P	01 21 42.7	-1.8
OLIL	Olney			LR	LR		
157A	Early Branch	24.00	49	P	P	01 21 4	







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Table with columns: ID, Name, Time, Date, Status, Location, and other details. Rows include 104A Tendick Farm, F45A CMU Biological, RUSC La Rusia, etc.

Table with columns: ID, Name, Time, Date, Status, Location, and other details. Rows include LUPA comp=Z,5.2nm,0.8s, G03D McMillinville, F49A Sandfield, etc.

Table with columns: ID, Name, Time, Date, Status, Location, and other details. Rows include ICMP comp=Z,12um,22.0s, D03D Eldon, E51A 0119 Merck, etc.

LBNH	comp=Z,11um,22.0s	36.43	38	eP	P	01 23 33.1	-1.2
LBNH	comp=Z,35nm,1.1s				pmax		
LBNH	comp=Z,11um,22.0s				MLR		
LBNH	comp=Z,11um,22.0s	36.43	38	P	P	01 23 32.1	-2.2
BBSR	BB Station	36.61	60	eP	P	01 23 35.5	-0.5
BBSR	comp=Z,174nm,1.4s				LR		
FFC	comp=Z,6um,21.0s	36.62	0	eP	P	01 23 34.6	-1.2
FFC	comp=Z,92nm,0.8s				LR		
FFC	comp=Z,68um,19.0s				LR		
FFC	comp=Z,92nm,0.8s	36.62	0	eP	pmax	01 23 34.6	-1.2
FFC	comp=Z,68um,19.0s				MLR		
LSQQ	Lebel-sur-Quev	37.05	28	P	P	01 23 37.4	-2.2
SMRT	St. Maarten	37.15	84	PFAKE	LR	01 23 50.0	+9.1
SMRT	comp=Z,10um,19.0s				LR		
SMRT	St. Maarten	37.15	84	eP	P	01 23 38.7	-2.1
SEUS	St. Eustatius	37.30	85	PFAKE	LR	01 23 50.0	+7.9
SEUS	comp=Z,14um,20.0s				P		
SEUS	St. Eustatius	37.30	85	eP	P	01 23 41.3	-0.8
NEV	Hard Times	37.74	85	eP	P	01 23 48.7	+2.9
LATO	La Tuque	37.91	33	P	P	01 23 44.4	-2.4
WVL	Waterville	37.95	39	eP	P	01 23 44.8	-2.4
WVL	comp=Z,37nm,1.0s				LR		
MLTY	Lee's Yard	38.15	86	eP	P	01 23 54.0	+4.6
ANWB	Willy Bob	38.41	84	PFAKE	LR	01 24 00.0	+8.5
ANWB	comp=Z,11um,22.0s				LR		
ANWB	Willy Bob	38.41	84	eP	P	01 23 46.9	-4.6
BPA	Boggy Peak	38.43	85	eP	P	01 23 53.3	+1.6
PKME	Peaks-Kenny Pk	38.55	38	eP	P	01 23 50.8	-1.5
PKME	comp=Z,17nm,0.8s				LR		
PKME	comp=Z,10um,21.0s				LR		
PKME	Peaks-Kenny Pk	38.55	38	P	P	01 23 50.3	-2.0
CHGO	Chibougamau	38.84	29	P	P	01 23 52.4	-2.3
CHGO	baz=225,SNR=22						
NNA	Nana	38.95	138	P	P	01 23 57.0	+1.1
NNA	comp=Z,21nm,0.9s, baz=301, slow=9.8, SNR=8.8				PcP	01 26 06.3	0.0
NNA	comp=Z,31nm,0.7s, baz=308, slow=5.7, SNR=8.5				PcP	01 26 16.6	
NNA	comp=Z,14nm,0.7s, baz=316, slow=1.4, SNR=5.0				P	01 23 57.5	+1.6
NNA	comp=Z,130nm,1.4s				P		
NNA	Nana	39.05	138	iP	P	01 23 57.6	+1.6
NNA	Barber's Block	38.92	87	eP	P	01 23 56.8	+0.1
DWS	Wesley	39.16	87	eP	P	01 23 59.0	+1.2
H05N1	Guadeloupe/Mar	39.29	86	P	P	01 23 58.5	-0.4
EMMW	East Machias	39.35	40	eP	P	01 23 56.8	-2.2
FDL	Fort de France	39.46	89	eP	P	01 24 02.9	+2.6
GRGR	Grenville	39.52	93	eP	P	01 24 01.2	+0.3
GRGR	comp=Z,584nm,1.2s				LR		
GRGR	Grenville	39.52	93	eP	P	01 24 03.6	+2.8
SVB	Belmont	39.65	91	eP	P	01 24 01.4	-0.6
SVB	Belmont	39.65	91	eP	P	01 24 05.8	+3.9
BBB	Bella Bella	39.70	335	eP	P	01 24 02.4	+0.7
BBB	comp=Z,55nm,0.8s				LR		
BBB	comp=Z,12um,18.0s				LR		
SVCV	St. Vincent, C	39.76	91	eP	P	01 24 09.6	+6.9
SLBI	Saint Lucia, B	39.77	90	eP	P	01 24 04.8	+2.0
MCLT	Moule a Chique	39.86	90	eP	P	01 24 07.2	+3.6
GGN	Saint George	39.93	40	eP	P	01 24 02.0	-1.8
GGN	comp=Z,45nm,1.0s				P		
POI	Presque Isle	40.07	37	PFAKE	LR	01 24 20.0	+1.5
POI	comp=Z,17um,18.0s				LR		
TOSP	Speyside	40.79	94	eP	P	01 24 15.6	+4.2
FCC	Fort Churchill	41.10	6	eP	P	01 24 12.0	-1.2
FCC	comp=Z,66nm,0.9s				LR		
FCC	Fort Churchill	41.10	6	eP	pmax	01 24 12.0	-1.2
FCC	comp=Z,62um,18.0s				MLR		
FCC	Fort Churchill	41.10	6	eP	pmax	01 24 12.0	-1.2
FCC	comp=Z,66nm,0.9s				MLR		
BBGH	Gun Hill	41.29	90	PFAKE	LR	01 24 30.0	+1.5
BBGH	comp=Z,14um,21.0s				LR		
BBGH	Gun Hill	41.29	90	eP	P	01 24 21.1	+5.7
BBSF	Saint Philip	41.40	91	eP	P	01 24 26.5	+1.0
BATG	Bathurst New B	41.53	37	eP	P	01 24 15.5	-1.5
BATG	comp=Z,38nm,1.1s				P		
HAL	Halifax	41.73	42	eP	P	01 24 18.0	-0.6
HAL	comp=Z,104nm,1.4s				LR		
HAL	comp=Z,12um,19.0s				LR		
HAL	Halifax	41.73	42	eP	pmax	01 24 18.0	-0.6
HAL	comp=Z,105nm,1.4s				MLR		
HAL	comp=Z,12um,19.0s				MLR		
DIB	Dawson Inlet	42.25	333	eP	P	01 24 24.6	+1.8
DIB	comp=Z,82nm,1.2s				LR		
DIB	comp=Z,10um,20.0s				LR		
H02S1	DAWSON INLET T	42.25	333	P	P	01 24 24.1	+1.3
GBN	Guyborough	43.39	42	eP	P	01 24 30.9	-1.2
GBN	comp=Z,79nm,1.0s				LR		
GBN	comp=Z,16um,18.0s				LR		
CRAG	Craig	44.13	335	PFAKE	LR	01 24 50.0	+1.2
CRAG	comp=Z,13um,19.0s				LR		
WRAK	Wrangell Island	44.51	337	eP	P	01 24 42.5	+1.5
WRAK	comp=Z,42nm,0.8s				LR		
DLBC	Dease Lake	45.22	340	LR	LR	01 45 59.3	
DLBC	comp=Z,42um,18.5s, baz=128, slow=39						
DLBC	Dease Lake	45.22	340	eP	P	01 24 48.8	+2.1
DLBC	comp=Z,132nm,0.8s				LR		
DLBC	comp=Z,44um,19.0s				LR		
YKA	Yellowknife Ar	45.25	352	P	P	01 24 45.6	-1.1
YKA	comp=Z,48nm,0.8s, baz=161, slow=7.5, SNR=246				pP	01 24 54.7	-1.6
YKA	comp=Z,52nm,0.7s, baz=156, slow=7.7, SNR=22				pP	01 26 26.6	+0.4
YKA	comp=Z,13nm,0.8s, baz=157, slow=3.4, SNR=8.3				PcP	01 26 36.4	
YKA	comp=Z,11nm,0.9s, baz=156, slow=3.6, SNR=3.8				LR	01 44 52.4	
YKA	comp=Z,2um,18.3s, baz=164, slow=36				LR	02 02 36.4	
YKA	comp=Z,0.8nm,0.8s, baz=156, slow=4.4, SNR=10				P4KPbc	01 24 46.0	-1.3
YK3	Yellowknife Ar	45.31	352	eP	P	01 24 46.0	-1.3
YK3	comp=Z,18um,18.0s				LR		
RPN	Rapa Nui	45.43	189	P	P	01 24 50.4	+1.8
RPN	comp=Z,142nm,0.7s, baz=3.1, slow=4.7, SNR=6.6				LR	01 39 26.1	
PTGA	Pitinga	45.53	110	P	P	01 24 49.7	0.0
PTGA	comp=Z,19nm,0.7s, baz=299, slow=9.1, SNR=29				pP	01 24 58.9	-0.1
PTGA	comp=Z,20nm,0.6s, baz=295, slow=9.9, SNR=6.9				pP	01 44 28.9	
PTGA	Pitinga	45.53	110	eP	P	01 24 50.1	+0.4
PTGA	comp=Z,48nm,1.0s				LR		
PTGA	comp=Z,7um,21.0s				LR		
PTGA	Pitinga	45.53	110	eP	P	01 24 49.9	+0.2
SCHO	Schefferville	45.58	28	P	P	01 24 48.0	-1.6
SCHO	comp=Z,51nm,0.7s, baz=234, slow=6.8, SNR=49				LR	01 45 27.5	
SCHO	comp=Z,19um,19.2s, baz=234, slow=38				LR		
SCHO	Schefferville	45.58	28	eP	P	01 24 47.9	-1.7

SCHQ	comp=Z,94nm,1.0s				LR		
TAOE	Nuku Hiva Isla	46.02	238	eS	S	01 31 36.7	-0.5
TAOE	comp=Z,21um,19.0s				LR		
TAOE	comp=Z,5um,26.9s				eLQ	01 35 58.1	
TAOE	comp=Z,7um,25.7s				eLR	01 37 37.9	
TAOE	comp=Z,21um,24.8s, baz=55				LR	01 25 10.0	+1.6
TAOE	Nuku Hiva Isla	46.02	238	PFAKE	LR		
SIT	Sitka	46.12	336	eP	P	01 24 55.8	+2.1
SIT	comp=Z,13um,18.0s				LR		
SIT	comp=Z,31nm,0.9s				LR		
SIT	comp=Z,14um,21.0s				LR		
SIT	comp=Z,31nm,0.9s				pmax	01 24 55.8	+2.1
SIT	comp=Z,31nm,0.9s				MLR		
JIS	Juneau Island	46.62	337	eP	P	01 24 59.4	+1.8
JIS	comp=Z,86nm,1.4s				LR		
BESE	Bessie Mountai	47.01	337	eP	P	01 25 02.3	+1.5
BESE	comp=Z,20um,18.0s				P		
BESE	comp=Z,20nm,0.8s				LR		
DRLN	Deer Lake	47.49	39	PFAKE	LR	01 25 20.0	+1.5
DRLN	comp=Z,14um,21.0s				LR		
SKAG	Skagway	47.81	338	eP	P	01 25 08.7	+1.8
SKAG	comp=Z,28nm,0.7s				P		
SKAG	comp=Z,40um,18.0s				LR		
LPAZ	La Paz	47.85	133	P	P	01 25 08.7	+0.2
LPAZ	comp=Z,30nm,0.8s, baz=331, slow=7.4, SNR=113				LR	01 43 29.4	
LPAZ	comp=Z,8um,19.8s, baz=300, slow=34				P	01 25 08.7	+0.2
LPAZ	La Paz	47.85	133	eP	P	01 25 08.7	+0.2
LPAZ	comp=Z,128nm,1.4s				pmax	01 25 08.7	+0.2
LPAZ	La Paz	47.85	133	eP	P	01 25 08.7	+0.2
LPAZ	comp=Z,128nm,1.4s				pmax	01 25 08.8	+0.3
WHY	Whitehorse	48.52	339	eP	P	01 25 13.8	+1.3
WHY	comp=Z,46nm,0.8s				LR		
WHY	comp=Z,49um,19.0s				LR		
MMNC	Minye Mine	48.89	137	eP	P	01 25 16.8	+0.8
MMNC	comp=Z,161nm,1.2s				P		
PB11	IPOC Station P	49.31	138	eP	P	01 25 18.4	-0.7
PB11	comp=Z,165nm,1.0s				P		
YKJU	Yakutat	49.47	336	PFAKE	LR	01 25 30.0	+1.0
YKJU	comp=Z,13um,18.0s				LR		
GOO1	Chusmiza	49.54	138	eP	P	01 25 22.2	+1.0
GOO1	comp=Z,126nm,1.1s				P		
HYT	Haines Junctio	49.55	338	eP	P	01 25 22.7	+2.2
HYT	comp=Z,174nm,1.5s				LR		
BCPM	Bancas Point	49.75	336	PFAKE	LR	01 25 30.0	+8.2
BCPM	comp=Z,19um,18.0s				LR		
STCH	Steam Cracks	49.98	280	PFAKE	LR	01 25 40.0	+1.6
STCH	comp=Z,5um,19.0s				PcP	01 26 44.9	+0.5
MDP	Montagnes Des	50.06	99	PcP	LR	01 26 54.6	
MDP	comp=Z,8.7nm,0.7s, baz=306, slow=3.8, SNR=5.5				P	01 50 13.9	
MDP	comp=Z,14nm,0.7s, baz=329, slow=2.9, SNR=4.4				LR		
PUH	Pauline	50.07	280	eP	P	01 25 24.9	-0.1
PUH	comp=Z,6um,18.6s, baz=298, slow=40				P		
PUH	comp=Z,242nm,0.9s				LR		
PUH	comp=Z,4um,18.0s				LR		
PCA	Pinnacle	50.08	336	eP	P	01 25 25.7	+1.3
PCA	comp=Z,90nm,1.2s				LR		
PCA	comp=Z,13um,18.0s				LR		
BYL	Byron's Ledge	50.11	280	eP	P	01 25 25.8	+0.5
BYL	comp=Z,275nm,1.0s				LR		
BYL	comp=Z,4um,20.0s				LR		
HATH	Halema'uma'u T	50.11	281	eP	P	01 25 26.3	+1.0
HATH	comp=Z,266nm,1.0s				LR		
HATH	comp=Z,5um,18.0s				LR		
SBLH	Steaming Bluff	50.11	281	eP	P	01 25 26.2	+0.9
SBLH	comp=Z,260nm,1.0s				LR		
SBLH	comp=Z,4um,18.0s				LR		
KKO	Keanakakoi	50.11	280	eP	P	01 25 24.7	-0.6





22d 1h

Table with columns: KEV, Kevo, comp, Z, f, m, P, 01 29, 06.6, -0.2. Rows include stations like Kevo, Ste Jean, IFRane, Chambon-Foret, etc.

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Table with columns: MSF, Maaselka, comp, Z, f, m, P, 01 29, 22.2, -0.3. Rows include stations like Maaselka, Lovozero, Echery, etc.

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Table with columns: CLL, comp, Z, f, m, P, 01 29, 34.0, +0.9. Rows include stations like Nikolayevsk, DAVA, TYV, etc.







SATY	Saty	119.20 359	ePKP	PKPdf	LR	01 35 17.7	-1.2
SATY	comp=Z,2um,20.8s		eLR			02 29 41.2	
GTA	Gaotai	119.26 341	PKP	PKIKP	LR	01 35 19.3	+0.1
GTA	comp=Z,2um,20.8s		PP	PP		01 36 43.4	+4.7
GTA	SNR=4		SS	SS		01 52 59.3	+1.6
GTA	comp=Z,570nm,9.2s		SS	SS			
GTA	comp=Z,3um,20.0s		SS	SS			
GTA	comp=Z,5um,19.7s		SS	SS			
FRU1	Bishkek	119.38 3	P	P	LR	01 35 30.0	+11
FRU1	comp=Z,3um,18.0s						
CHM	Chimkent	119.47 7	eLR	LR	LR	02 30 40.6	
CHM	comp=Z,686nm,18.0s						
EKS	Erkin-Say	119.49 3	P	P	LR	01 35 20.1	+0.6
EKS	SNR=4						
AAK	Ala-Archa	119.55 3	PKP	PKPdf	LR	01 35 19.7	0.0
AAK	comp=Z,2.6nm,0.7s,baz=337,slow=8.4,SNR=8.4						
AAK	comp=Z,2.5nm,0.6s,baz=190,slow=2.3,SNR=4.6						
AAK	comp=Z,1.7nm,0.7s,baz=205,slow=0.5,SNR=7.3						
AAK	Ala-Archa	119.55 3	ePKP	PKIKP	LR	01 35 20.2	+0.5
AAK	comp=Z,8um,18.0s						
AAK	Ala-Archa	119.55 3c	iPKIKP	PKPdf	LR	01 35 19.7	0.0
AAK	comp=Z,9.0nm,1.7s						
TATO	Taipei	119.68 314	P	P	LR	01 35 30.0	+10
TATO	comp=Z,2um,20.0s						
IUG	Iuzhny	119.69 7	ePKIKP	PKPdf	LR	01 35 19.4	-0.4
IUG	comp=Z,2um,20.0s						
IUG	Iuzhny	119.69 7	ePKP	PKPdf	LR	01 35 19.5	-0.4
IUG	comp=Z,2um,18.6s						
IUG	Iuzhny	119.69 7	ePKP	PKPdf	LR	01 36 40.7	-0.7
IUG	comp=Z,2um,21.0s						
BOOM	Boomskeye usch	119.75 2	ePKP	PKIKP	LR	01 35 20.3	+0.2
BOOM	comp=Z,5um,21.0s						
PRZ	Przheval'sk	119.78 359	ePKP	PKIKP	LR	01 35 21.2	+1.0
YHNB	Yeheng	119.96 314	P	P	LR	01 35 30.0	+9.1
YHNB	comp=Z,3um,21.0s						
UCH	Uchtor	119.96 3	P	P	LR	01 35 21.5	+0.6
UCH	SNR=9.9						
ULUH	Ululoh	120.00 1	P	P	LR	01 35 21.1	+0.4
ULUH	SNR=14						
AML	Almayashu	120.01 4	P	P	LR	01 35 21.4	+0.5
AML	SNR=10						
NACB	Ninganchiao	120.13 313	P	P	LR	01 35 30.0	+8.9
NACB	comp=Z,3um,20.0s						
KDJ	Kajisay	120.13 1	ePKP	PKPdf	LR	01 35 20.8	0.0
KDJ	comp=Z,12um,20.0s						
KDJ	Kajisay	120.13 1	ePKIKP	PKPdf	MLR	01 35 20.8	0.0
KDJ	comp=Z,12um,20.0s						
KZA	Kyzart	120.14 2	P	P	LR	01 35 21.4	+0.2
KZA	SNR=6.2						
WHN	Wuhan	120.25 324	PKP	PKPdf	LR	01 35 20.3	-0.8
WHN	comp=Z,8um,25.6s						
WHN	Wuhan	120.25 324	PKP	PKPdf	LR	01 36 42.5	-3.4
WHN	comp=Z,5um,16.1s						
WHN	Wuhan	120.25 324	PKP	PKPdf	LR	01 53 11.8	+0.7
WHN	comp=Z,7um,16.2s						
XAN	Xi'an	120.32 330	PKP	PKPdf	LR	01 35 20.9	-0.3
XAN	comp=Z,350nm,11.2s						
XAN	Xi'an	120.32 330	PKP	PKPdf	LR	01 35 20.9	-0.3
XAN	comp=Z,2um,18.6s						
XAN	Xi'an	120.32 330	PKP	PKPdf	LR	01 35 20.9	-0.3
XAN	comp=Z,4um,17.6s						
XAN	Xi'an	120.32 330	ePKP	PKPdf	LR	01 35 20.9	-0.3
XAN	comp=Z,5um,20.0s						
TARG	Taragay, Kyrgy	120.53 360	ePKP	PKIKP	LR	01 35 22.2	+0.2
TARG	comp=Z,11um,19.0s						
ARSB	Arslanbob	120.77 4	ePKP	PKIKP	LR	01 35 23.8	+1.6
LZH	Lanzhou	120.79 336	PKP	PKIKP	LR	01 35 22.6	+0.3
LZH	comp=Z,480nm,9.3s						
LZH	Lanzhou	120.79 336	sPKP	PKIKP	LR	01 35 38.3	
LZH	comp=Z,6um,17.9s						
LZH	Lanzhou	120.79 336	PKP	PKIKP	LR	01 36 54.1	+4.7
LZH	comp=Z,4um,17.9s						
LZH	Lanzhou	120.77 4	PKP	PKIKP	LR	01 53 18.0	+0.3
LZH	comp=Z,2um,19.0s						
LZH	Lanzhou	120.77 4	PKP	PKIKP	LR	01 35 23.8	+1.6
LZH	comp=Z,2um,19.0s						
NRN	Naryn	120.81 2	ePKP	PKIKP	LR	01 35 22.6	+0.2
NRN	comp=Z,6um,19.5s						
NRN	Naryn	120.81 2	ePKP	PKIKP	LR	01 35 22.6	+0.2
NRN	comp=Z,2um,19.0s						
SSLB	Suanglung	120.82 313	P	P	LR	01 35 30.0	+7.5
SSLB	comp=Z,2um,19.0s						
YULB	Yu-li	120.84 313	P	P	LR	01 35 30.0	+7.5
YULB	comp=Z,2um,20.0s						
STKA	Stephens Creek	121.28 243	PKP	PKIKP	LR	01 35 23.1	0.0
STKA	comp=Z,27nm,0.7s,baz=64,slow=1.3,SNR=46						
STKA	Stephens Creek	121.28 243	PKP	PKIKP	LR	01 35 33.7	+0.3
STKA	comp=Z,18nm,0.6s,baz=54,slow=2.2,SNR=11						
STKA	Stephens Creek	121.28 243	ePKP	PKPdf	LR	01 35 23.0	0.0
STKA	comp=Z,900nm,22.0s						
GEYT	Alibeck	121.33 18	PKP	PKPdf	LR	01 35 23.0	0.0
GEYT	comp=Z,13nm,0.7s,baz=298,slow=3.2,SNR=28						
GEYT	Alibeck	121.33 18	PKP	PKPdf	LR	01 35 33.2	-0.3
GEYT	comp=Z,11nm,0.7s,baz=302,slow=3.3,SNR=7.3						
GEYT	Alibeck	121.33 18	PKP	PKPdf	LR	01 45 23.6	-1.4
GEYT	comp=Z,2.2nm,0.7s,baz=225,slow=4.0,SNR=7.0						
GYA0B	ALIBECK ARRAY	121.33 18	ePKP	PKIKP	LR	01 35 23.2	+0.1
TPUB	Ta-pu	121.36 313	P	P	LR	01 35 40.0	+16
TPUB	comp=Z,2um,19.0s						
TWG	Pinlang	121.36 312	P	P	LR	01 35 40.0	+16
TWG	comp=Z,8um,20.0s						
OZH	Quanzhou	121.66 316	PKP	PKPdf	LR	01 35 14.5	-9.4
OZH	comp=Z,2um,18.5s						
OZH	Quanzhou	121.66 316	PKP	PKPdf	LR	01 36 54.3	-1.5
OZH	comp=Z,2um,21.3s						
OZH	Quanzhou	121.66 316	PKP	PKPdf	LR	01 35 24.4	+0.2
OZH	comp=Z,4um,18.0s						
BTK	Batken	121.84 6	ePKP	PKIKP	LR	01 35 24.4	+0.2
BTK	comp=Z,2um,18.0s						
BTK	Batken	121.84 6	ePKIKP	PKIKP	LR	01 35 27.1	+1.1
BTK	comp=Z,2um,18.0s						
KSH	Kashi	122.72 2	PKP	PKSf	LR	01 37 04.9	+2.7
KSH	comp=Z,1um,7.8s						
KSH	Kashi	122.72 2	PKS	PKSf	LR	01 39 03.0	+0.4
KSH	comp=Z,1um,7.8s						
KSH	Kashi	122.72 2	PKS	PKSf	LR	01 35 26.7	0.0
KSH	comp=Z,1um,11.5s						
KSH	Kashi	122.72 2	PKS	PKSf	LR	01 37 04.9	+2.7
KSH	comp=Z,960nm,11.9s						
KSH	Kashi	122.72 2	PKS	PKSf	LR	01 35 26.4	+0.3
KSH	comp=Z,5um,12.9s						
GAR	Garm	122.83 7	ePKP	PKIKP	LR	01 35 26.4	+0.3
GAR	comp=Z,18um,20.0s						
GAR	Garm	122.83 7	ePKIKP	PKIKP	LR	01 35 26.5	+0.3
GAR	comp=Z,18um,20.0s						
ENH	Enshi	123.09 327	ePKP	PKPdf	LR	01 35 26.7	0.0
ENH	comp=Z,4um,20.0s						
ENH	Enshi	123.09 327	ePKP	PKPdf	LR	01 37 03.7	-1.5
ENH	comp=Z,4um,20.0s						
TSUM	Tsumeb	123.18 101	ePKP	PKIKP	LR	01 35 27.7	+0.4

TSUM	comp=Z,2um,19.0s						
FAKI	Fak Fak	124.62 279	P	P	LR	01 35 40.0	+10
FAKI	comp=Z,3um,20.0s						
CD2	Chengdu	125.30 333	PKP	PKPdf	LR	01 35 30.3	-0.6
CD2	comp=Z,1um,6.1s						
CD2	Chengdu	125.30 333	PKP	PKPdf	LR	01 37 19.6	-0.3
CD2	comp=Z,1um,6.1s						
CD2	Chengdu	125.30 333	PKP	PKPdf	LR	01 54 14.8	-0.1
CD2	comp=Z,8um,21.6s						
CD2	Chengdu	125.30 333	PKP	PKPdf	LR	01 35 31.6	-0.3
CD2	comp=Z,11um,21.6s						
BBOO	Buckleboo	125.98 242	ePKP	PKPdf	LR	01 35 31.6	-0.3
BBOO	comp=Z,4um,22.0s						
HKPS	Hong Kong Po S	126.43 317	P	P	LR	01 35 50.0	+16
HKPS	comp=Z,4um,19.0s						
WR0	Warramunga Arr	126.53 258	P	P	LR	01 35 50.0	+16
WR0	comp=Z,2um,18.0s						
WR9	Warramunga Arr	126.56 258	P	P	LR	01 35 50.0	+16
WR9	comp=Z,2um,20.0s						
WR7	Warramunga Arr	126.59 258	P	P	LR	01 35 50.0	+16
WR7	comp=Z,2um,19.0s						
WR6	Warramunga Arr	126.61 258	P	P	LR	01 35 50.0	+16
WR6	comp=Z,2um,19.0s						
WR5	Warramunga Arr	126.64 258	P	P	LR	01 35 50.0	+16
WR5	comp=Z,2um,18.0s						
DAV	Davao City (W)	126.65 294	P	P	LR	01 35 50.0	+16
DAV	comp=Z,2um,20.0s						
WB9	Warramunga Arr	126.66 258	P	P	LR	01 35 50.0	+16
WB9	comp=Z,5um,18.0s						
WR4	Warramunga Arr	126.66 258	P	P	LR	01 35 50.0	+16
WR4	comp=Z,2um,21.0s						
WB8	Warramunga Arr	126.66 258	P	P	LR	01 35 50.0	+16
WB8	comp=Z,2um,18.0s						
WR3	Warramunga Arr	126.68 258	P	P	LR	01 35 50.0	+16
WR3	comp=Z,2um,20.0s						
WB6	Warramunga Arr	126.68 258	P	P	LR	01 35 50.0	+16
WB6	comp=Z,2um,18.0s						
WB5	Warramunga Arr	126.69 258	P	P	LR	01 35 50.0	+16
WB5	comp=Z,2um,18.0s						
WC3	Warramunga Arr	126.69 258	P	P	LR	01 35 50.0	+16
WC3	comp=Z,2um,21.0s						
WC2	Warramunga Arr	126.69 258	P	P	LR	01 35 50.0	+16
WC2	comp=Z,2um,20.0s						
WB4	Warramunga Arr	126.70 258	P	P	LR	01 35 50.0	+16
WB4	comp=Z,2um,18.0s						
WR2	Warramunga Arr	126.70 258	P	P	LR	01 35 50.0	+16
WR2	comp=Z,2um,20.0s						
WB3	Warramunga Arr	126.70 258	P	P	LR	01 35 50.0	+16
WB3	comp=Z,2um,18.0s						
WB2	Warramunga Arr	126.71 258	P	P	LR	01 35 50.0	+16
WB2	comp=Z,2um,18.0s						
WRAB	Tennant Creek	126.71 258	ePKP	PKPdf	LR	01 35 33.7	0.0
WRAB	comp=Z,2um,18.0s						
WRAB	Tennant Creek	126.71 258	ePKP	PKPdf	LR	01 37 26.9	-4.0
WRAB	comp=Z,2um,18.0s						
WRAB	Tennant Creek	126.71 258	ePKP	PKPdf	LR	01 35 33.5	-0.2
WRAB	comp=Z,36nm,0.8s						
WC1	Warramunga Arr	126.72 258	P	P			

















Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like HCY Herceg Novi, HAPS Han Pijesak, GERES GERES Array B, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GRR Gorron, SGFM Saint Gilles, ESKA Eskdalemuir, etc.

22d 4h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like YALC Yuchir, YULB Yuli, TWF1 Yuji, etc.











22d 4h

BANO	Bancroft	63.26	51	P	P	04 47 02.4	-1.2
J52A	Paris	63.27	54	P	P	04 47 02.5	-1.2
I53A	Korbright Cn E	63.30	53	P	P	04 47 02.8	-1.0
T45A	Paducah	63.31	64	P	P	04 47 02.4	-1.5
S46A	Don Dixon Farm	63.36	62	P	P	04 47 02.8	-1.5
P48A	Milroy	63.37	60	P	P	04 47 03.0	-1.3
F55A	Otter Lake	63.43	49	P	P	04 47 03.4	-1.3
O49A	Covington	63.44	58	P	P	04 47 03.9	-0.9
PKRO	Pickering	63.46	52	P	P	04 47 04.1	-0.8
NATX	Nacogdoches	63.52	72	eP	P	04 47 05.5	0.0
NATX	Nacogdoches	63.52	72	P	P	04 47 05.4	0.0
Z41A	Richland Creek	63.57	69	P	P	04 47 05.3	-0.4
Q48A	North Vernon	63.58	60	P	P	04 47 05.0	-0.7
R47A	Wooly Knot Far	63.59	61	P	P	04 47 05.4	-0.3
N50A	Nevada	63.66	57	P	P	04 47 05.9	-0.3
PLVO	Plevna	63.66	50	P	P	04 47 04.5	-1.7
G55A	Catalogbie	63.68	50	P	P	04 47 04.6	-1.7
TYNO	Tyneside	63.69	53	P	P	04 47 05.5	-0.8
P49A	Miami Univ. Ec	63.70	59	P	P	04 47 05.1	-1.4
T46A	Princeton	63.72	63	P	P	04 47 06.3	-0.3
WCI	Wyandotte Cave	63.77	61	eP	P	04 47 07.6	+0.6
WCI	Wyandotte Cave	63.77	61	eP	P	04 47 07.6	+0.6
WCI	comp-Z, 91nm, 0.6s				pmax		
WCI	Wyandotte Cave	63.77	61	P	P	04 47 05.9	-1.0
DELO	Deloro Mine	63.78	51	P	P	04 47 05.4	-1.6
X43A	Marvell	63.80	67	P	P	04 47 06.7	-0.5
WLVO	Wesleyville	63.83	52	P	P	04 47 06.1	-1.2
O50A	Cable	63.85	58	P	P	04 47 06.3	-1.2
R48A	Northridge Ran	63.88	61	P	P	04 47 06.4	-1.3
S47A	Hartford	63.89	62	P	P	04 47 07.6	-0.2
STCO	Saint Catharin	63.96	53	P	P	04 47 06.7	-1.4
LATQ	La Tuque	63.96	46	P	P	04 47 06.5	-1.5
N51A	Ashland	63.96	57	P	P	04 47 07.0	-1.3
I55A	Frankford	63.97	51	P	P	04 47 06.7	-1.4
H55A	Tweed	63.97	51	P	P	04 47 06.7	-1.5
U46A	Springville	64.04	64	P	P	04 47 08.4	-0.4
M52A	Chesterland	64.04	56	P	P	04 47 07.5	-1.3
HKT	Hockley	64.11	74	eP	P	04 47 09.9	+0.7
HKT	Hockley	64.11	74	eP	P	04 47 09.9	+0.7
HKT	comp-Z, 145nm, 1.4s				pmax		
ORIO	Orleans, Innes	64.11	49	P	P	04 47 07.7	-1.5
ACSO	Alum Creek Sta	64.13	58	eP	P	04 47 09.2	-0.2
ACSO	Alum Creek Sta	64.13	58	P	P	04 47 09.2	-0.2
ACSO	comp-Z, 216nm, 1.0s				LR		
ACSO	Alum Creek Sta	64.13	58	P	P	04 47 08.3	-1.0
P50A	Jamestown	64.14	59	P	P	04 47 08.2	-1.2
J54A	Appleton	64.18	53	P	P	04 47 07.9	-1.6
T47A	Sharon Grove	64.20	63	P	P	04 47 09.8	0.0
ALFO	Alfred	64.28	49	P	P	04 47 09.3	-0.9
S48A	Wiedeman Farm,	64.30	61	P	P	04 47 10.1	-0.5
L53A	Girard	64.31	55	P	P	04 47 08.7	-1.9
ERPA	Eric	64.33	54	P	P	04 47 09.2	-1.4
NSS	Namsos	64.33	354	eP	P	04 47 09.2	-1.0
MEDO	Medina	64.35	53	P	P	04 47 09.5	-1.2
H56A	Elgin	64.39	50	P	P	04 47 09.6	-1.3
O51A	Pataskala	64.39	57	P	P	04 47 10.3	-0.8
N52A	McGinn's Farm,	64.40	56	P	P	04 47 09.6	-1.5
WVT	Waverly	64.40	64	P	P	04 47 10.1	-1.1
M53A	W Miller and	64.47	55	P	P	04 47 10.2	-1.4
V46A	Holladay	64.47	64	P	P	04 47 10.8	-0.8
U47A	Clarksville	64.48	63	P	P	04 47 11.6	-0.1
T48A	Bowling Green	64.51	62	P	P	04 47 11.5	-0.3
PECO	Prince Edward	64.51	51	P	P	04 47 10.2	-1.5
L54A	Sinclairville	64.59	54	P	P	04 47 10.9	-1.4
Q50A	Georgetown	64.59	59	P	P	04 47 10.7	-1.6
J55A	Hilton	64.59	52	P	P	04 47 10.9	-1.4
P51A	Williamsport	64.63	58	P	P	04 47 10.8	-1.8
S49A	Springfield	64.64	61	P	P	04 47 12.0	-0.7
OXF	Oxford	64.66	66	eP	P	04 47 12.3	-0.5
OXF	Oxford	64.66	66	eP	P	04 47 12.3	-0.5
OXF	comp-Z, 216nm, 1.0s				pmax		
OXF	Oxford	64.66	66	P	P	04 47 12.2	-0.7
V47A	Nunnally	64.79	64	P	P	04 47 12.8	-1.0
W46A	Mitchie	64.80	65	P	P	04 47 13.1	-0.7
Q51A	Peebles	64.80	59	P	P	04 47 12.3	-1.4
R50A	Paris	64.81	60	P	P	04 47 12.4	-1.4
O52A	Adamsville	64.82	57	P	P	04 47 12.5	-1.4
N53A	Lisbon	64.84	56	P	P	04 47 12.2	-1.8
U48A	Cassie Pea, Po	64.86	63	P	P	04 47 13.5	-0.7
K55A	Perry	64.86	53	P	P	04 47 12.5	-1.6
M54A	Oli Creek Stat	64.94	55	P	P	04 47 13.3	-1.3
T49A	Edmonton	64.99	62	P	P	04 47 14.4	-0.6
P52A	Corning	65.01	57	P	P	04 47 13.3	-1.8
O53A	New Philadelph	65.05	56	P	P	04 47 13.8	-1.6
L55A	Hinsdale	65.08	53	P	P	04 47 14.2	-1.4
X46A	Booneville	65.10	65	P	P	04 47 14.7	-1.0
W47A	Westpoint	65.16	64	P	P	04 47 15.2	-1.0

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LONY	Lake Ozonia	65.17	49	P	P	04 47 14.5	-1.6
N54A	Moraine State	65.17	55	P	P	04 47 14.2	-2.0
R51A	Hillsboro	65.20	59	P	P	04 47 16.3	0.0
S50A	Richmond	65.20	60	P	P	04 47 15.2	-1.2
V48A	Smith Brothers	65.25	63	P	P	04 47 16.5	-0.2
U49A	Red Boiling Sp	65.28	62	P	P	04 47 16.8	-0.1
M55A	Ridgway	65.43	54	P	P	04 47 16.9	-1.0
T50A	Nancy	65.44	61	P	P	04 47 17.1	-0.8
TKM2	Tokmak 2	65.50	308	P	P	04 47 18.3	-0.2
TKM2	Tokmak 2	65.50	308	P	P	04 47 18.2	-0.3
TKM2	comp-Z, 50nm, 1.2s				pmax		
O54A	Avella	65.54	56	P	P	04 47 17.0	-1.5
X47A	Russelville	65.54	65	P	P	04 47 17.5	-1.1
W48A	Pulaski	65.62	64	P	P	04 47 18.6	-0.5
VBMS	Vicksburg	65.65	68	P	P	04 47 18.8	-0.6
S51A	Beattyville	65.67	60	P	P	04 47 18.4	-1.1
ULHL	Ulahoi	65.68	308	P	P	04 47 19.9	+0.2
R52A	Catlettsburg	65.68	59	P	P	04 47 18.9	-0.5
TBLU	Trondheim	65.71	355	eP	P	04 47 17.5	-1.7
V49A	McIntireville	65.75	63	P	P	04 47 19.3	-0.7
USP	Ospenovka	65.78	309	P	P	04 47 19.9	-0.2
N55A	Marion Center	65.82	55	P	P	04 47 18.9	-1.4
FINES	FINESS Array B	65.85	346	P	P	04 47 18.4	-1.7
FINES	comp-Z, 10nm, 0.9s				LR		
FINES	FINESS Array B	65.85	346	iP	P	04 47 18.7	-1.4
FINES	comp-Z, 10nm, 0.9s				pmax		
CHMS	Chumysy	65.86	309	P	P	04 47 21.0	+0.4
U50A	Jamestown	65.87	62	P	P	04 47 20.6	-0.1
Q53A	Leroy	65.90	58	P	P	04 47 20.0	-0.9
S52A	Salyersville	65.92	60	P	P	04 47 19.9	-1.2
T51A	Gray	65.97	61	P	P	04 47 19.9	-1.4
W49A	Belvidere	66.01	63	P	P	04 47 20.3	-1.3
KBK	Karagaybulak	66.02	309	P	P	04 47 22.0	+0.3
X48A	Hartselle	66.05	65	P	P	04 47 20.6	-1.3
R53A	Hurricane	66.06	58	P	P	04 47 21.1	-0.7
O55A	Ligonier	66.08	55	P	P	04 47 20.7	-1.3
Q54A	Coxs Mills	66.18	57	P	P	04 47 21.1	-1.6
AAK	Ala-Archa	66.25	309	LR	LR	05 17 42.1	
AAK	Ala-Archa	66.25	309	P	P	04 47 23.6	+0.3
AAK	Ala-Archa	66.25	309	eP	PP	04 49 40.3	-8.7
AAK	Ala-Archa	66.25	309	eP	pmax	04 47 23.3	0.0
AAK	Ala-Archa	66.25	309	P	P	04 47 23.5	+0.3
AAK	Ala-Archa	66.25	309	P	P	04 47 23.5	+0.3
V50A	Pikeville	66.27	62	P	P	04 47 22.5	-0.8
BINY	Binghamton	66.29	52	eP	P	04 47 23.3	-0.1
BINY	comp-Z, 42nm, 1.1s				LR		
BINY	Binghamton	66.29	52	P	P	04 47 21.5	-1.8
KZA	Kyzart	66.30	308	P	P	04 47 24.7	+0.8
P55A	Reedsville	66.32	56	P	P	04 47 22.4	-1.2
U51A	La Follette	66.35	61	P	P	04 47 22.7	-1.2
Y48A	Jasper	66.37	65	P	P	04 47 22.5	-1.5
T52A	Hallie	66.39	60	P	P	04 47 22.6	-1.4
O56A	Blue Knob Stat	66.42	55	P	P	04 47 22.7	-1.6
X49A	Woodville	66.42	64	P	P	04 47 22.3	-2.0
S53A	Williamson	66.44	59	P	P	04 47 22.5	-1.9
W50A	Signal Mountai	66.49	63	P	P	04 47 23.4	-1.4
TZTN	Tazewell	66.49	61	eP	P	04 47 25.2	+0.5
TZTN	Tazewell	66.49	61	P	P	04 47 22.8	-2.0
SSPA	Standing Stone	66.49	54	eP	P	04 47 24.3	-0.3
SSPA	Standing Stone	66.49	54	P	P	04 47 22.9	-1.7
MOL	Molde	66.53	356	eP	P	04 47 23.9	-0.5
UCH	Uchter	66.55	309	P	P	04 47 25.9	+0.3
Q55A	Buckhannon	66.57	57	P	P	04 47 24.0	-1.2
EK52	Erkin-Say	66.59	309	P	P	04 47 25.9	+0.5
V51A	Loudon	66.59	62	P	P	04 47 24.3	-1.0
147A	Livingston	66.64	67	P	P	04 47 24.7	-1.0
R54A	Victor	66.68	58	P	P	04 47 24.6	-1.3
LBNH	Lisbon	66.72	48	P	P	04 47 24.7	-1.3
T53A	Wise	66.73	60	P	P	04 47 25.6	-0.7
W51A	Cleveland	66.83	62	P	P	04 47 25.5	-1.3
X50B	Fort Payne	66.84	64	P	P	04 47 26.0	-1.0
Y49A	Blount Mt Mountai	66.84	65	P	P	04 47 25.9	-1.1
AKN	Aaknes	66.94	356	eP	P	04 47 27.2	0.0
V52A	Sevierville	66.98	61	P	P	04 47 26.7	-1.1
DOMB	Doornbas	66.98	355	eP	P	04 47 26.6	-0.8
AML	Almayashu	67.02	309	P	P	04 47 29.2	+0.8
148A	Greensboro	67.06	66	P	P	04 47 27.5	-0.8
R55A	Marlinton	67.07	57	P	P	04 47 27.1	-1.3
LRAL	Lakeview Retre	67.11	66	eP	P	04 47 27.6	-1.0
LRAL	Lakeview Retre	67.11	66	P	P	04 47 27.7	-1.0
PKME	Peaks-Kenny Pk	67.14	46	eP	P	04 47 30.4	+1.8
PKME	Peaks-Kenny Pk	67.14	46	P	P	04 47 27.5	-1.2
U53A	Fall Branch	67.16	60	P	P	04 47 27.9	-1.1
T54A	Tazewell	67.19	59	P	P	04 47 27.7	-1.5
Y50A	Piedmont	67.20	64	P	P	04 47 27.8	-1.5
X51A	Calhoun	67.21	63	P	P	04 47 28.1	-1.2
S55A	Lewisburg	67.24	58	P	P	04 47 27.8	-1.7

1444

1445

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes entries like KONO Kongsberg, X56A White Oak, T59A Double 'B' Far, etc.

2013 APR

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes entries like 959A Okeechobee, 059A Moore Haven, 059Z Ave Maria, etc.

22d 4h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes entries like NEY Neytrino, ZEI Tsey, VRAC Vranov, etc.







22d 6h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like SP1A Saint Paul Isl, UNV Unalaska Valle, AKUT Akutan, etc.

2013 APR

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like H11S3 WAKE ISLAND Hy, CN2 Changchun, YKWA Yellowknife Ar, etc.

1448

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like HHC comp=Z,160nm,5.2s, FXWY Fox Creek, MOOW Moose Ponds, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like X18A Snowflake, ZAA1 Zalesovo Array, ZAA0 Zalesovo Array, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like O45A Potomac, W39A Magazine, WHTX K. L. Armitney, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like GEYT Alibek, GEYT Alibek, GYA0B GYERSS Array S, etc.

MOS 22:06:03:16.9:0.9,51:16N:179:56E,h24km,mb5.0/94, Error ellipse: s-maj=7.0km,s-min=0.0km,az=78.9
IDC 22:06:03:17.0:1.7,51:16N:179:54E,h27km,10km,mb4.5/38, mb1.4:2/4,mb1mx4.5/7,mbtmp4.6/41,ML4.6,2,MS4.3/4, Ms1.4:2/4,ms1mx3.7/41,Error ellipse: s-maj=14.9km s-min=9.0km,az=169.0
NEIC 22:06:03:17.7:0.0,50:98N:179:60E,h36km,mb4.8/247, ML4.7(AEIC),After AURIC.
AEIC 22:06:03:17.7:0.0,50:98N:179:60E,h36km,ML4.7, MB4.8(NEIC)
BUJ 22:06:03:19.0:0.1,51:52N:179:13E,h46km,mb5.0/50,mb5.0/35, Ms4.7/26,Ms7.4/4/24
ISC 22:06:03:18.0:0.3,51:03N:167:00E,h39km,2km, mb1.1,181/4750,mb4.8/309,MS4.6/14,18C-5D,Rat Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like TASE Tanaga Southea, TAFP Tanaga Falls P, KIWB Kanaga Island, etc.

22d 6h

Table with columns: SEY, RDOG, PPLA, SUA, CAST, SEW, RC01, PMR, PMR, PMR, GHO, BPAW, TRF, KNK, SML, SML, MLY, RND, RND, RND, MCK, MCK, MCK, SCM, SCM, DHY, EYAK, DIV, KLU, WRH, MDM, CCB, TCOL, COLA, COLA, HDA, HDA, POKR, HARP, HMT, PAX, PAX, PAX, ILAR, ILAR, ILAR, ILB, ILI, RIDG, TGL, MENT, DOT, PRP, TOLK, TOLK, SCRK, TYV, TYV, TYV, BALM, BALM, BALM, FYU, CTGM, PCA, YSS, YSS, YSS, YSS, YSS, YSS, YSS, BCPM, EGAK, DAWY, HYT, ASAJ, EPYK, SIT, SIT, WHK, INK, INK, INK, INK, INK, INK, INK, TEY, TEY

2013 APR

Table with columns: TEY, KLR, KLR, TIXI, TIXI, TIXI, TIXI, TIXI, TIXI, ZEA, ZEA, USA0B, USKR, USKR, MJAR, MJAR, MAJO, MAJO, MAJO, MAJO, PGC, LLLB, YKW3, YKA, YKA, YKA, YKB5, YKB5, CN2, D03D, E03A, B05A, BOD, BOD, HIA, HIA, D05A, LON, LON, LON, LTY, F05D, B08A, KSRS, KSRS, KS01, KS01, KS15, H04A, I05D, HAWA, F07A, D08A, C09A, JNU, JNU, PINE, YBH, YBH, YBH, NEW, NEW, NEW, NEW, NEW, G08A, RES, RES, RES, RES, RES, RES, RES, RES, K05A, I07A, F10A, MOD, WALA, BMO, BMO, PLID, MSO, MSO

1450

Table with columns: AFDM, RUBR, PAHR, VCNR, PNTR, CMB, CMB, YERR, HRY, WAKR, LRM, HLID, HLID, BMN, NRIK, NRIK, MCMT, RYN, EGMT, EGMT, KVN, BJT, BJT, BOZ, BOZ, BOZ, NV01, NVAR, NVAR, NV11, PAGB, QLMT, ELK, FFC, FFC, TLY, TLY, TIN, ULN, ULN, GCMT, TULET, H17A, H17A, LKWY, LKWY, IMW, SONAO, SONAO, SONAO, SONM, SONM, FLWY, FWXY, MOOW, TPAW, RLMT, RLMT, TIA, TIA, REDW, SNOW, LOHW, ZAK, ZAK, R11A, MPMC, TPNV, HHC, HHC, HHC, HHC, HHC, MOY, MOY, FCC, FCC, FCC, DUG, DUG, DUG, LAO, BW06, BW06



22d 6h

Table with columns: PRZ, Przheval'sk, 64.47 306 eP, P, 06 13 51.1 +0.6, etc. Lists various stations and their coordinates.

2013 APR

Table with columns: ARSB, Arslanbob, 68.04 309 eP, P, 06 14 14.1 +0.7, etc. Lists various stations and their coordinates.

1452

Table with columns: MOA, Molln, 80.70 350 iP, P, 06 15 24.9 -1.8, etc. Lists various stations and their coordinates.

MOS 22 06:13:32.51, 0.511161k, 179:52E, h21km, mb4.9/44, Error ellipse: s-maj=10.0km s-min=8.1km az=51.1. AEIC 22 06:13:34.8, 50:92N-179:60E, h29km, ML4.5, MB4.7(NEIC) NEIC 22 06:13:34.8, 50:0, 50:92N-179:60E, h29km, mb4.7/195, ML4.5(AEIC), After AEIC 22 06:13:35.2, 3.511161k, 179:56E, h33km, 16km, mb4.3/40, mb1.4/42, mb1mx4.3/61, mbtmp4.5/42, ML3.5/2, MS3.9/2,







G53A	Halibuton	62.84	51	P	P	06 23 56.7	-0.4
S45A	Carrier Mills	62.86	63	P	P	06 23 57.4	+0.1
P47A	Martinsville	62.87	60	P	P	06 23 57.2	-0.2
N49A	Columbus Grove	62.98	58	P	P	06 23 58.5	+0.3
Q47A	Bedord North L	63.17	61	P	P	06 23 58.8	-0.6
BANO	Bancroft	63.26	51	P	P	06 24 00.0	+0.1
P48A	Milroy	63.35	60	P	P	06 24 00.2	-0.4
Q48A	North Vernon	63.56	60	P	P	06 24 01.8	-0.1
N50A	Nevada	63.64	57	P	P	06 24 02.8	+0.3
P49A	Miami Univ. Ec	63.68	59	P	P	06 24 02.1	-0.6
T46A	Princeton	63.70	63	P	P	06 24 03.0	+0.1
W61	Wyandotte Cave	63.75	61	P	P	06 24 03.4	+0.2
M51A	Elyria	63.75	56	P	P	06 24 03.0	-0.2
DELO	Deloro Mine	63.77	51	P	P	06 24 03.0	-0.3
X43A	Marvell	63.77	67	P	P	06 24 03.7	+0.2
O50A	Cable	63.84	58	P	P	06 24 03.2	-0.6
S47A	Hartford	63.87	62	P	P	06 24 04.3	+0.3
P50A	Jamestown	64.12	59	P	P	06 24 05.4	-0.3
T47A	Sharon Grove	64.18	63	eP	P	06 24 06.5	+0.4
T47A	Sharon Grove	64.18	63	P	P	06 24 05.8	-0.3
S48A	Wiedeman Farm	64.28	61	P	P	06 24 06.5	-0.2
O51A	Pataskala	64.38	57	P	P	06 24 07.2	-0.1
N52A	McGinn's Farm	64.38	56	P	P	06 24 07.6	+0.2
V46A	Holladay	64.45	64	P	P	06 24 08.0	+0.1
U47A	Clarksville	64.46	63	P	P	06 24 08.1	+0.2
PRZ	Przheval'sk	64.48	306	eP	P	06 24 09.4	+1.2
PRZ	Przheval'sk	64.48	306	eP	P	06 24 09.5	+1.2
Q50A	Georgetown	64.58	59	P	P	06 24 08.7	0.0
L54A	Sinclairville	64.58	54	P	P	06 24 08.5	-0.2
S49A	Springfield	64.62	61	P	P	06 24 09.1	+0.1
OXF	Oxford	64.63	66	P	P	06 24 09.1	+0.1
V47A	Nunnely	64.77	64	P	P	06 24 10.4	+0.4
W46A	Michie	64.78	65	P	P	06 24 09.9	-0.1
Q51A	Peebles	64.79	59	P	P	06 24 09.9	-0.1
O52A	Adamsville	64.81	57	P	P	06 24 10.2	+0.1
U48A	Cassie Pea, Po	64.83	63	P	P	06 24 10.1	-0.3
K55A	Perry	64.85	53	P	P	06 24 10.5	0.0
T49A	Edmonton	64.97	62	P	P	06 24 10.9	-0.3
PLAL	Pickwick Lake	65.06	65	eP	P	06 24 12.2	+0.3
X46A	Boonerville	65.07	65	P	P	06 24 11.4	-0.5
W47A	Westpoint	65.14	64	P	P	06 24 11.7	-0.7
N54A	Moraine State	65.16	55	P	P	06 24 11.9	-0.6
R51A	Hillsboro	65.18	59	P	P	06 24 12.4	-0.2
V48A	Smith Brothers	65.23	63	P	P	06 24 12.9	0.0
U49A	Red Boiling Sp	65.26	62	P	P	06 24 13.1	-0.1
Q52A	Bidwell	65.41	58	P	P	06 24 13.4	-0.7
T50A	Nancy	65.42	61	P	P	06 24 14.1	0.0
X47A	Russelville	65.52	65	P	P	06 24 14.8	-0.1
W48A	Pulaski	65.60	64	P	P	06 24 15.2	-0.1
VBMS	Vicksburg	65.63	69	eP	P	06 24 16.8	+1.2
VBMS	Vicksburg	65.63	69	P	P	06 24 16.0	+0.4
V49A	McMinnville	65.73	63	P	P	06 24 15.9	-0.3
U50A	Jamestown	65.85	62	P	P	06 24 17.0	0.0
FA0A	FINESS Array S	65.91	346	eP	P	06 24 15.3	-1.6
FA0A	FINESS Array S	65.91	346	eP	P	06 24 15.3	-1.6
FINES	FINESS Array B	65.91	346	P	P	06 24 15.3	-1.6
W49A	Belvidere	65.99	64	P	P	06 24 17.9	0.0
R53A	Hurricane	66.04	58	P	P	06 24 18.3	+0.1
BINY	Binghamton	66.28	52	P	P	06 24 19.2	-0.4
AAK	Ala-Archa	66.32	309	P	P	06 24 20.2	+0.1
AAK	Ala-Archa	66.32	309	eP	P	06 24 20.4	+0.3
AAK	Ala-Archa	66.32	309	eP	P	06 24 20.4	+0.3
Y48A	Jasper	66.35	65	P	P	06 24 20.0	-0.2
X49A	Woodville	66.39	64	P	P	06 24 20.6	+0.1
147A	Livingston	66.61	67	eP	P	06 24 22.7	+0.9
147A	Livingston	66.61	67	P	P	06 24 22.1	+0.2
LSA	Lhasa	66.62	289	eP	P	06 24 23.3	+0.7
LSA	Lhasa	66.62	289	eP	P	06 24 23.3	+0.7
R54A	Victor	66.67	58	P	P	06 24 22.4	+0.2
X50B	Fort Payne	66.82	64	P	P	06 24 23.6	+0.4
Y49A	Blount Mountai	66.82	65	P	P	06 24 23.8	+0.6
LRAL	Lakeview Retre	67.08	66	P	P	06 24 25.3	+0.4
Y50A	Piedmont	67.18	64	P	P	06 24 25.4	-0.1
Z49A	Columbiana	67.23	65	P	P	06 24 25.8	-0.1
W52A	Murphy	67.32	62	P	P	06 24 26.1	-0.4
N59A	State Game Lan	67.35	53	P	P	06 24 26.6	0.0
AKTO	Akyubinsk	67.40	324	P	P	06 24 26.3	-0.3
149A	Jones	67.52	66	P	P	06 24 27.4	-0.3
Z50A	Ashland	67.54	65	P	P	06 24 27.5	-0.3
ABKAR	Akbulak array	67.62	322	eP	P	06 24 28.0	0.0
W53A	Cullowhee	67.69	61	P	P	06 24 28.8	0.0
NC204	NORSAR Array S	67.70	354	eP	P	06 24 27.4	-1.0
NC303	NORSAR Array A	67.71	354	eP	P	06 24 27.8	-0.6

249A	Camden	67.78	66	P	P	06 24 29.6	+0.3
S56A	Natural Bridge	67.80	57	P	P	06 24 29.3	0.0
NC405	NORSAR Array S	67.80	354	eP	P	06 24 28.4	-0.6
KK31	Karatay Array	67.89	312	eP	P	06 24 30.0	+0.1
KK31	Karatay Array	67.89	312	eP	P	06 24 30.0	+0.1
KKAR	Karatay Array	67.89	312	eP	P	06 24 30.0	+0.1
KKAR	Karatay Array	67.89	312	eP	P	06 24 30.0	+0.1
NB201	NORSAR Array S	67.89	354	eP	P	06 24 29.0	-0.6
NB2	NORSAR Subarra	67.91	354	P	P	06 24 28.3	-1.4
NOA	NORSAR Array B	67.91	354	P	P	06 24 28.6	-1.1
KSH	KSH	67.91	306	P	P	06 24 33.8	+3.6
KSH	KSH	67.91	306	P	P	06 24 47.8	+8.6
KSH	KSH	67.91	306	P	P	06 25 00.5	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03.4	+0.2
KSH	KSH	67.91	306	P	P	06 25 05.0	+4.0
KSH	KSH	67.91	306	P	P	06 23 26.5	-0.8
KSH	KSH	67.91	306	P	P	06 27 50.4	+2.0
KSH	KSH	67.91	306	P	P	06 24 03	

22d 6h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ATGJ, GBS, IGDI, KRNR, etc.

2013 APR

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KURBB, GERES, KURK, etc.

1456

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



22d 6h

2013 APR

1458

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BVA0, BVAR, BRVK, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like AKTO, N59A, AB31, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like BRY, BRV, NKY, etc.

SAR 22 06:25:16.6i, 0.3, 43.02Nk, 18.75E, h3km, 2km, ML3.5/1
PDG 22 06:25:16.6i, 0.3, 43.03Nk, 18.72E, h8km, MD3.5/9, ML3.5/8,
Error ellipse: s-maj=0.5km s-min=0.6km az=0.0
BEO 23 06:25:16.9i, 0.3, 43.0116N, 18.74E, h2km, 2km, ML3.3/19
LDG 22 06:25:18.6i, 0.3, 42.92N, 18.92E, h10km, M3.6/10, Error
ellipse: s-maj=7.6km s-min=4.3km az=177.0
PRU 22 06:25:19.3i, 0.0, 43.12N, 18.88E, h0km
ISC 22 06:25:16.8i, 0.3, 43.04N, 18.74E, h9km, 7km,
n120, s159/175, 23C-15D, Northwestern Balkan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRUC, BURAR, WTTA, WTTA, WATA, MORC, MOTA, FETA, KHC, KHC, PGF, DAVA, SBF, MBDF, MBDF, LPG, LPG, LPL, LPL, ORIF, ORIF, CABF, WVF, LOR, LOR, SSF, SSF.

ISK 22 06:48:57.8, 37:33N, 137:14E, h8km, ML2.8/11
DDA 22 06:48:58.2, 37:32N, 137:12E, h7km, ML3.5
ISC 22 06:48:58.7, 0.9, 37.30N, 0.03, 37.13E, 0.02, h10km, 7km, n27, c053/42, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GAZ, GAZ, HCB, HCB, KMRS, KMRS, AYKD, AYKD, GZT, GZT, KAMA, KAMA, KUZU, KUZU, ANDN, ANDN, ATAB, ATAB, ELBS, ELBS, KOZT, KOZT, SAIM, SAIM, CEYT, CEYT, AKCD, AKCD, TAHT, TAHT, SURC, SURC, YURE, YURE, DARE, DARE, AKO, AKO, URFA, URFA, KRYS, KRYS, BNN, BNN, MERS, MERS, KIZK, KIZK, SVSK, SVSK, MAZI, MAZI, KEBE, KEBE.

MEX 22 06:54:20.0, 0.4, 13:82N, 92:07W, h73km, 76km, MD3.6, Off coast of Chiapas

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

MAN 22 06:54:40.9, 14:70N, 119:77E, h12km, MS3.4
IDC 22 06:54:47.0, 1.6, 14:51N, 119:96E, h85km, 18km, mb3.5/7, mb1 3.7/7, mb1mx3.3/51, mbtmp3.8/7, Error ellipse: s-maj=44.4km s-min=16.3km az=56.0

ISC 22 06:54:41.8, 1.9, 14.74N, 0.04, 119.8E, 0.1, h30km, 14km, n15, c1989/22, mb3.9/6, ID, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SCZP, SCZP, LUBP, LUBP, TGAY, TGAY, TGAY, TGAY, BOLP, BOLP, SMPP, SMPP, POLP, POLP, APYP, APYP, CMAR, CMAR, WRA, WRA, ASAR, ASAR, MKAR, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB, KURBB, FINES, FINES, NOA, NOA.

NEIC 22 07:00:06.5, 0.0, 50:96N, 179:67E, h34km, mb4.0/4, ML3.5(AEIC), After AEIC, IDC 22 07:00:16.9, 6.6, 51:65N, 179:55E, h125km, 61km, mb3.3/8, mb1 3.5/9, mb1mx3.2/62, mbtmp3.7/9, MS3.0/1, Ms1 3.0/1, ms1mx2.5/20, Error ellipse: s-maj=49.6km s-min=14.4km az=176.0

ISC 22 07:00:06.7, 1.9, 50:9N, 0.2, 179:57E, h52km, 151km, n80, c157/90, mb4.0/32, Rat Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GAEA, GAEA, TASE, TASE, TAFP, TAFP, KIKV, KIKV, KINW, KINW, KIRH, KIRH, ADK, ADK, ADAG, ADAG, ETKA, ETKA, GSTD, GSTD, GSTD, GSTD, GSTR, GSTR, GSTR, GSTR, SMY, SMY, SMY, SMY, ATKA, ATKA, ATKA, ATKA, KOWE, KOWE, NIKH, NIKH, SPIA, SPIA, SPIA, SPIA, UNV, UNV, AKUT, AKUT, SDPT, SDPT, PETK, PETK, GAMB, GAMB, CHGN, CHGN, ANM, ANM, SII, SII, OHAK, OHAK, SVWZ, SVWZ, KDAK, KDAK, MA2, MA2, BRLL, BRLL, PPLA, PPLA, SUA, SUA, CAST, CAST, SEW, SEW, PMR, PMR, GHO, GHO, BPAW, BPAW, TRF, TRF, SML, SML, KMK, KMK, MLY, MLY, RND, RND, MCK, MCK, SCM, SCM, KLU, KLU, WRH, WRH, MDM, MDM, CCB, CCB, HARP, HARP, PAX, PAX, ILI, ILI, ILAR, ILAR, ILB, ILB, RIDG, RIDG, DENT, DENT, DOT, DOT, TOLK, TOLK, SCRR, SCRR, EGAK, EGAK, HYT, HYT, SIT, SIT, CRAG, CRAG, INK, INK, INK, INK, DLBC, DLBC, KLR, KLR, YKA, YKA, NEW, NEW, BWO, BWO, PD31, PD31, PDAR, PDAR, PDAR, PDAR, SPDS, SPDS, SPDS, SPDS, KURK, KURK, MK31, MK31, MK01, MK01, MK01, MK01, TXAR, TXAR, BRVK, BRVK.

ISC 22 07:04:12.7, 1.7, 37:01N, 0.06, 141:38E, 0.06, h96km, 10km, n24, c180/26, mb3.8/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GAEA, GAEA, TASE, TASE, TAFP, TAFP, KIKV, KIKV, KINW, KINW, KIRH, KIRH, ADK, ADK, ADAG, ADAG, ETKA, ETKA, GSTD, GSTD, GSTD, GSTD, GSTR, GSTR, GSTR, GSTR, SMY, SMY, SMY, SMY, ATKA, ATKA, ATKA, ATKA, KOWE, KOWE, NIKH, NIKH, SPIA, SPIA, SPIA, SPIA, UNV, UNV, AKUT, AKUT, SDPT, SDPT, PETK, PETK, GAMB, GAMB, CHGN, CHGN, ANM, ANM, SII, SII, OHAK, OHAK, SVWZ, SVWZ, KDAK, KDAK, MA2, MA2, BRLL, BRLL, PPLA, PPLA, SUA, SUA, CAST, CAST, SEW, SEW, PMR, PMR, GHO, GHO, BPAW, BPAW, TRF, TRF, SML, SML, KMK, KMK, MLY, MLY, RND, RND, MCK, MCK, SCM, SCM, KLU, KLU, WRH, WRH, MDM, MDM, CCB, CCB, HARP, HARP, PAX, PAX, ILI, ILI, ILAR, ILAR, ILB, ILB, RIDG, RIDG, DENT, DENT, DOT, DOT, TOLK, TOLK, SCRR, SCRR, EGAK, EGAK, HYT, HYT, SIT, SIT, CRAG, CRAG, INK, INK, INK, INK, DLBC, DLBC, KLR, KLR, YKA, YKA, NEW, NEW, BWO, BWO, PD31, PD31, PDAR, PDAR, PDAR, PDAR, SPDS, SPDS, SPDS, SPDS, KURK, KURK, MK31, MK31, MK01, MK01, MK01, MK01, TXAR, TXAR, BRVK, BRVK.

2.0nm, 0.6s

NIED 22 07:02:00, 37:00N, 141:40E, h5km, Mw3.8 Best double couple: M3.14000x1014 NP1.9x174.00000, 852.00000, 7.132.00000, NP2.9x49.00000, 654.00000, 7.49.00000

JMA 22 07:02:49.3, 0.1, 36:99N, 141:37E, h29km, 1km, M3.7 JMA 22 07:02:55.5, 3.8, 36:96N, 141:18E, h59km, 34km, mb3.4/6, IDC 22 07:02:55.5, 3.8, 36:96N, 141:18E, h59km, 34km, mb3.4/6, mb1 3.6/9, mb1mx3.3/48, mbtmp3.6/9, ML2.3/3, Error ellipse: s-maj=33.0km s-min=20.3km az=95.0

ISC 22 07:02:48.6, 1.9, 37:02N, 0.05, 141:37E, 0.06, h5km, 11km, n25, c1929/29, mb3.7/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONAJ, ONAJ, JFK, JFK, JFFD, JFFD, JHO, JHO, JMM, JMM, JFT, JFT, JFY, JFY, JIO, JIO, JOU, JOU, JOU, JOU, MJAR, MJAR, MAT, MAT, USUR, USUR, KSR, KSR, H1N2, H1N2, H1N1, H1N1, H1N3, H1N3, H1S1, H1S1, H1S3, H1S3, H1S2, H1S2, ZALV, ZALV, MKAR, MKAR, ILAR, ILAR, WRA, WRA, ASAR, ASAR, PDAR, PDAR.

NIED 22 07:04:00, 37:00N, 141:40E, h5km, Mw3.8 Best double couple: M4.96000x1014 NP1.9x212.00000, 845.00000, 7.82.00000, NP2.9x21.00000, 845.00000, 7.82.00000

JMA 22 07:04:13.0, 0.1, 36:99N, 141:39E, h29km, 1km, M3.6 IDC 22 07:04:13.0, 0.1, 36:99N, 141:39E, h29km, 1km, M3.6, mb1 3.7/8, mb1mx3.4/43, mbtmp3.7/8, ML2.7/2, MS2.9/2, Ms1 2.9/2, ms1mx2.5/34, Error ellipse: s-maj=36.1km s-min=22.5km az=87.0

ISC 22 07:04:12.7, 1.7, 37:01N, 0.06, 141:38E, 0.06, h96km, 10km, n24, c180/26, mb3.8/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONAJ, ONAJ, JFK, JFK, JFFD, JFFD, JHO, JHO, JMM, JMM, JFT, JFT, JFY, JFY, JIO, JIO, MJAR, MJAR, MAT, MAT, MAT, MAT, JNU, JNU, KSR, KSR, KSR, KSR, H1N2, H1N2, H1N1, H1N1, H1N3, H1N3, H1S1, H1S1, H1S3, H1S3, H1S2, H1S2, ZALV, ZALV, MKAR, MKAR, ILAR, ILAR, WRA, WRA, ASAR, ASAR, TXAR, TXAR.

IDC 22 07:19:09.9, 3.1, 54:04N, 87:40E, h0km, mb1 2.7/2, mb1mx2.7/47, mbtmp2.7/2, ML2.1/2, Error ellipse: s-maj=25.8km s-min=16.9km az=61.0

KRAR 22 07:19:10.1, 0.1, 54:05N, 87:37E, M2.3, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H46R, H46R, ZALV, ZALV, ZALV, ZALV, KURBB, KURBB, KURBB, KURBB, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR.









GERES GERES Array B 80.25 319 P P 09 07 38.9 +1.5

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra.

BUI 22 09:11:52.0, 42.90N, 122.35E, h0km, mb5.0/42, mb5.0/35, ML5.5/22, Ms5.3/60, Ms7.5/58

GCMT 22 09:11:53.8, 0.2, 42.90N, 0.01, 122.32E, 0.01, h12km, MW5.0/91, Moment Tensor Solution. s22,c27; s91,c148; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr,0.74; 10; Mtt,2.96; 08; Mbb,-3.70; 08; Mtt,-1.25; 26; Mtt,0.46; 08; Mtt,-0.88; 24; Best double couple: M3,3.74100x10^16 Np1s=18.00000; s80,00000; A,154.00000; NP2; p=313.00000; s85,00000; 1,1,000000; Principal axes: T 3.6070, P1g25.0000; Azm173.0000; N 0.2660; P1g63.0000; Azm18.0000; P -3.8750, P1g10.0000; Azm268.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 22 09:11:54.2, 1.2, 42.85N, 122.28E, h23km, mb5.3/103, MS5.0/26 Error ellipse: s-maj=5.2km s-min=3.4km az=120.4

IDC 22 09:11:54.4, 2.3, 42.84N, 122.41E, h15km, mb4.8/36, mb1.4/9, 4/28, mb1mx4.8/53, mbtmp4.9/42, ML4.1/6, MS4.4/28, Ms1.4/4, 2/28, ms1mx4.3/40, Error ellipse: s-maj=10.3km s-min=9.3km az=60.0

NEIC 22 09:11:56.8, 1.8, 42.86N, 122.33E, h28km, mb5.0/191, Error ellipse: s-maj=11.4km s-min=10.4km az=126.0

NEIC Felt (III) at Shenyang. Also felt at Changchun. ISC 22 09:11:54.5, 0.2, 42.89N, 0.03, 122.28E, 0.03, h10km, n720, c157/774, mb5.0/293, MS4.7/50, 42C-18D, Northeastern China

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, Res. Includes stations like SHENYANG, CHANGCHUN, DALIAN, BEIJING, MUDANJIANG, etc.

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, Res. Includes stations like KLR, BTO, JTO, TSUSHIMA, TERNEI, CHITA, NANJING, etc.

Main station list table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, Res. Includes stations like ERM, Erimo, Lanzhou, Bodaibo, Nikolayevsk, etc.



SEKA	Sheki	54.00	296	P	P	09 21 18.8	+0.1
SCRK	Sand Creek	54.02	33	eP		09 21 17.0	-1.6
OBN	Obninsk	54.08	315	eP		09 21 18.3	-0.7
OBN	Obninsk	54.08	315	eP	SKIPP	09 23 22.1	
OBN	Obninsk	54.08	315	eP	SKIPP	09 32 33.1	+2.2
OBN	Obninsk	54.08	315	eP	SKIPP	09 32 33.1	+2.2
OBN	Obninsk	54.08	315	eP	SKIPP	09 32 33.1	+2.2
DOT	Dot Lake	54.13	33	eP		09 21 18.1	-1.2
LKRK	Lenkeran, Azer	54.15	292	P	P	09 21 19.8	0.0
ZKTA	Zakatala	54.17	296	P	P	09 21 20.2	+0.2
HARP	HARPI	54.21	35	eP		09 21 20.1	+0.2
MNGR	Mingechevir, A	54.28	295	P	P	09 21 22.3	+1.6
VSR	Storozhevoje	54.36	301	eP	pmx	09 21 19.9	-1.2
MENT	Mentasta	54.58	34	eP	P	09 21 23.1	+0.5
EGAK	Eagle	54.78	31	eP	P	09 21 24.0	+0.1
TRO	Tromso	54.84	335	eP	P	09 21 23.0	-1.4
GANJ	Ganja	54.85	295	eP	P	09 21 24.8	-0.1
ZEI	Tsey	55.39	299	eP	pmx	09 21 26.6	-2.4
KBZ	Wadi Sarin	55.52	271	P	P	09 21 28.8	-1.1
WSAR	Khabaz	55.58	300	P	P	09 21 30.1	0.0
KIV	Kislovodsk	55.60	301	iP	P	09 21 30.4	0.0
KIV	Kislovodsk	55.60	301	iP	P	09 21 30.6	+0.2
KIV	Kislovodsk	55.60	301	iP	pmx	09 21 30.1	-0.3
KIV	Kislovodsk	55.60	301	iP	MLR	09 21 30.8	+0.4
KIV	Kislovodsk	55.60	301	iP	P	09 21 30.8	+0.4
KIV	Kislovodsk	55.60	301	iP	P	09 21 30.8	+0.4
EPYK	Eagle Plains	55.66	29	eP	P	09 21 29.4	-0.9
EPYK	Eagle Plains	55.66	29	eP	P	09 21 28.7	-1.7
SHME	Shamm	55.69	275	iP	P	09 21 31.4	+0.2
INK	Inuvik	55.77	26	eP	pmx	09 21 30.0	-1.0
INK	Inuvik	55.77	26	eP	pmx	09 21 30.0	-1.0
INK	Inuvik	55.77	26	eP	pmx	09 21 30.0	-1.0
DAWY	Dawson	55.79	32	eP	P	09 21 30.6	-0.8
NEY	Neytrino	55.92	300	dIP	pmx	09 21 33.6	+0.8
MTN	Mantion Dam	56.05	170	eP	P	09 21 31.4	-2.2
GNI	Garni	56.15	296	eP	P	09 21 35.6	+1.1
GNI	Garni	56.15	296	eP	pmx	09 21 34.9	+0.5
GNI	Garni	56.15	296	eP	P	09 21 35.5	+1.1
FIA1	FINESS Array S	56.18	325	eP	P	09 21 33.6	-0.4
FIA1	FINESS Array S	56.18	325	eP	P	09 21 33.7	-0.4
FIA0	FINESS Array S	56.18	325	eP	P	09 21 33.7	-0.4
FINES	FINESS Array B	56.18	325	eP	P	09 21 33.7	-0.4
HATD	Hatta, Dubai	56.41	274	P	P	09 21 37.3	+0.9
ASHO	Ashiyah	56.55	274	P	P	09 21 38.0	+0.7
STEI	Steiger	56.88	334	eP	P	09 21 38.9	-0.1
ASUD	Ai Ashush, Dub	57.12	274	P	P	09 21 41.9	+0.5
VSU	Vasula	57.35	322	eP	pmx	09 21 41.1	-1.3
BCA	Borcka	57.53	298	iP	P	09 21 45.8	+1.8
SOC	Sochi	57.68	301	eP	PPP	09 21 44.3	+0.5
SOC	Sochi	57.68	301	eP	eS	09 29 43.3	+0.2
SOC	Sochi	57.68	301	eP	eSS	09 35 47.8	
SOC	Sochi	57.68	301	eP	pmx	09 35 47.8	
DAG	Danmarks Havn	58.10	350	iP	P	09 21 48.1	+0.7
DAG	Danmarks Havn	58.10	350	iP	pmx	09 21 48.1	+0.7
MORH	Moi Rana	58.12	333	eP	P	09 21 46.3	-1.4
HYT	Haines Junction	58.18	35	eP	P	09 21 48.7	+0.3
ANN	Anapa	58.45	304	eP	sP	09 21 50.7	+0.3
ANN	Anapa	58.45	304	eP	sP	09 21 57.1	+2.2
ANN	Anapa	58.45	304	eP	s	09 29 53.2	-0.2
ANN	Anapa	58.45	304	eP	pmx	09 29 53.2	-0.2
ANN	Anapa	58.45	304	eP	MLR	09 29 53.2	-0.2
SIRT	Sirnack	59.06	294	eP	P	09 21 54.6	-0.2
COEN	Coen	59.73	156	eP	P	09 21 58.4	-1.0
SKAG	Skagway	59.83	35	eP	P	09 21 59.0	-0.7
NSS	Namsos	59.92	332	eP	P	09 22 00.4	+0.2
AKASG	Malin Array Be	60.10	313	iP	P	09 22 00.8	-0.9
AKASG	Malin Array Be	60.10	313	iP	pmx	09 22 00.8	-0.9
AKBB	Malin Array Si	60.10	313	eP	P	09 22 00.8	-0.9
AKBB	Malin Array Si	60.10	313	eP	pmx	09 22 00.8	-0.9
KIEV	Kiev	60.12	313	eP	P	09 22 00.8	-0.9
KIEV	Kiev	60.12	313	iP	P	09 22 00.9	-0.9
KIEV	Kiev	60.12	313	iP	P	09 22 00.9	-0.9
KIEV	Kiev	60.12	313	iP	pmx	09 22 00.5	-1.3
RES	Resolute Bay	60.12	11	eP	P	09 22 00.3	-1.2
RES	Resolute Bay	60.12	11	eP	pmx	09 22 00.3	-1.2
AK11	Malin Array Si	60.15	313	eP	P	09 22 02.7	+0.7
BESE	Bessie Mountain	60.53	36	eP	P	09 22 04.2	-0.5
TULEG	Thule	60.64	3	eP	P	09 22 04.3	-1.8
FITZ	Fitzroy Crossi	60.76	176	P	P	09 22 05.1	-1.3
FITZ	Fitzroy Crossi	60.76	176	eP	P	09 22 05.1	-1.3
SUW	Suwalki	61.39	318	eP	P	09 22 11.1	+0.7
SUW	Suwalki	61.39	318	eP	P	09 22 11.1	+0.7
DKM	Dikmen	61.47	302	iP	P	09 22 10.1	-1.1
NORSAR	NORSAR Array S	62.19	329	eP	P	09 22 14.8	-0.5
NC303	NORSAR Array S	62.19	329	eP	P	09 22 15.6	-0.1
NB201	NORSAR Array S	62.33	329	eP	P	09 22 16.6	-0.1
KIS	Kishinev	62.35	310	eP	P	09 22 18.0	+1.0
KIS	Kishinev	62.35	310	eP	LQ	09 30 42.0	-1.4
KIS	Kishinev	62.35	310	eP	S	09 44 50.0	
NB2	NORSAR Subarra	62.37	329	P	P	09 22 15.9	-1.0

NB2	NORSAR Subarra	62.37	329	P	pmx	09 22 15.0	-1.9
NB2	NORSAR Subarra	62.37	329	P	pmx	09 22 15.9	-1.0
NOA	NORSAR Array B	62.37	329	P	P	09 22 16.3	-0.7
NOA	NORSAR Array B	62.37	329	P	LR	09 50 39.3	
NC204	NORSAR Array S	62.38	330	eP	P	09 22 16.9	-0.2
NC602	NORSAR Array S	62.44	329	eP	P	09 22 16.8	-0.5
NORES	NORESS Array B	62.44	329	P	pmx	09 22 16.7	-0.6
NBO00	NORSAR Array S	62.53	329	eP	P	09 22 18.3	+0.3
NAO01	NORSAR Array S	62.61	329	eP	P	09 22 19.0	+0.4
NAO01	NORSAR Array S	62.61	329	eP	P	09 22 18.5	0.0
DLBC	Dease Lake	62.66	34	eP	P	09 22 19.1	+0.1
MOL	Molde	62.70	332	eP	P	09 22 20.1	+1.0
ILGA	Ilgaz	62.77	302	eP	P	09 22 21.7	+1.5
WRAK	Wrang Islan	62.90	37	eP	P	09 22 22.6	+2.1
AKN	Aaknes	63.15	332	eP	P	09 22 23.5	+1.4
WRAB	Tennant Creek	63.49	167	eP	P	09 22 23.1	-1.7
WRAB	Tennant Creek	63.49	167	eP	pmx	09 22 22.2	-2.6
WR1	Warramunga Arr	63.50	167	eP	P	09 22 22.7	-2.1
WRA	Warramunga Arr	63.50	167	eP	P	09 22 22.7	-2.1
WB2	Warramunga Arr	63.50	167	eP	P	09 22 21.8	-3.0
BR101	Keskin Array S	63.57	301	eP	P	09 22 22.5	-0.2
BR131	Keskin Array S	63.57	301	eP	P	09 22 25.7	+0.3
BR131	Keskin Array S	63.57	301	eP	P	09 22 25.7	+0.3
BRTR	Keskin Array B	63.57	301	eP	P	09 22 25.2	-0.2
BRTR	Keskin Array B	63.57	301	eP	pmx	09 22 25.6	+0.2
SKAR	Skarslia	63.68	330	eP	P	09 22 27.1	+1.3
MBWA	Marble Bar	63.77	183	eP	P	09 22 25.1	-1.5
CFR	Caraliu	63.78	308	iP	P	09 22 26.5	0.0
CFR	Caraliu	63.78	308	iP	P	09 22 26.5	0.0
TESR	Tescani	63.86	310	iP	P	09 22 27.9	+0.9
KONO	Kongsberg	63.88	329	eP	pmx	09 22 27.5	+0.6
BIZ	Bicaz	63.91	311	iP	P	09 22 28.1	+0.7
BUR08	Bucovina Ar. S	64.00	312	eP	P	09 22 28.8	+0.7
SCO	Scoresbysund	64.00	347	iP	P	09 22 28.5	+0.9
SCO	Scoresbysund	64.00	347	iP	P	09 22 28.5	+0.9
BURAR	Bucovina Array	64.01	312	iP	P	09 22 28.5	+0.3
BURAR	Bucovina Array	64.01	312	iP	P	09 22 28.9	+0.6
ANTO	Ankara	64.02	301	eP	P	09 22 28.9	+0.6
TIRR	Tirgusur	64.03	307	iP	P	09 22 29.3	+1.1
TIRR	Tirgusur	64.03	307	iP	P	09 22 29.3	+1.1
SUMG	Summit	64.05	354	iP	P	09 22 29.6	+1.2
SUMG	Summit	64.05	354	iP	pmx	09 22 29.6	+1.2
KWP	Kalwarja Pacla	64.17	315	eP	P	09 22 29.5	+0.5
KWP	Kalwarja Pacla	64.17	315	eP	P	09 22 29.5	+0.5
KWP	Kalwarja Pacla	64.17	315	eP	pmx	09 22 29.5	+0.5
TLB	Topalu	64.18	308	iP	P	09 22 30.5	+1.3
TLB	Topalu	64.18	308	iP	P	09 22 30.4	+1.3
PSA00	Pilbara Seismi	64.18	183	eP	P	09 22 27.8	-1.5
VRI	Vrincioia	64.19	309	iP	P	09 22 29.8	+0.6
VRI	Vrincioia	64.19	309	iP	P	09 22 29.8	+0.6
PLOK	Plostina	64.24	309	iP	P	09 22 29.3	-0.4
PLOK	Plostina	64.24	309	iP	P	09 22 29.2	-0.4
BSD	Bornholm Skovb	64.59	323	iP	P	09 22 30.8	-0.9
BSD	Bornholm Skovb	64.59	323	iP	pmx	09 22 30.8	-0.9
MLR	Muntele Rosu	64.85	309	eP	P	09 22 32.8	-0.9
MLR	Muntele Rosu	64.85	309	eP	P	09 22 34.4	+0.7
MLR	Muntele Rosu	64.85	309	eP	pmx	09 22 32.8	-0.9
DOPR	Dopca	64.89	310	iP	P	09 22 29.2	-4.6
TRPA	Tarpa	65.16	313	iP	P	09 22 35.4	-0.1
OJC	Ojcow	65.31	316	eP	P	09 22 36.1	-0.4
OJC	Ojcow	65.31	316	eP	P	09 22 36.0	-0.5
OJC	Ojcow	65.31	316	eP	P	09 22 36.1	-0.4
COP	Copenhagen	65.32	324	iP	P	09 22 37.3	+0.9
COP	Copenhagen	65.32	324	iP	P	09 22 37.3	+0.9
VOIR	Voiron	65.39	310	iP	P	09 22 37.8	+0.6
VOIR	Voiron	65.39	310	iP	P	09 22 37.7	+0.6
YK3	Yellowknife Ar	65.48	25	eP	P	09 22 35.2	-2.1
YKA	Yellowknife Ar	65.53	25	eP	P	09 22 35.2	-2.5
YK65	Yellowknife Ar	65.53	25	eP	P	09 22 34.6	-3.0
NIE	Niedzica	65.55	315	eP	P	09 22 38.1	+0.1
NIE	Niedzica	65.55	315	eP	P	09 22 38.2	+0.1
ARF	Arges	65.67	310	iP	P	09 22 38.9	0.0
SNART	Snartemo	65.68	328	eP	P	09 22 39.1	+0.4
LANS	Liptovska Anna	66.14	316	eP	P	09 22 44.1	+2.2
MUD	Monsted U'grnd	66.18	326	iP	P	09 22 43.4	+1.5
MUD	Monsted U'grnd	66.18	326	iP	pmx	09 22 43.4	+1.5
OKC	Ostrava-Krasne	66.39	317	AMS	AMS	09 55 00.0	
CTA	Charters Tower	66.44	155	eP	P	09 22 42.5	-1.5
CTA	Charters Tower	66.44	155	eP	P	09 22 41.9	-2.1
CTAO	Charters Tower	66.44	155	eP	pmx		



Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Fort Churchill, Liberty, La Chapelle, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RLMT Red Lodge, H17A Grant Village, BMN Battle Mountai, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MVCO Mesa Verde, S22A 4UR Ranch, S22A 4UR Ranch, etc.

BUI 22 09:14:05.8, 30°33'N, 103°02'E, h15km, ML3.9/12
IDC 22 09:14:07.2, 1.4, 30°10'N, 104°04'E, h0km, mb4.1/3,
mb1 4.2/4, mb1mx3.7/55, mbtmp4.0/4, ML4.2/1, MS4.3/1,
Ms1 4.3/1, ms1mx3.1/34, Error ellipse: s-maj=67.8km
s-min=25.9km az=67.0
ISC 22 09:14:05.6-0.7, 30°39'N, 105°05'E, h10km, n18,
e282;122, mb4.0/3, 2C, Sichuan

PRU 22 09:20:49.2-0.0, 49°32'N-18°52'E, h0km, Czech and
Slovak Republics
Code Station Name Az Phase ID Time Res
ISC h m s ISC

DDA 22 09:21:13.6, 39°64'N, 29°46'E, h7km, 3km, ML2.7
ISK 22 09:21:12.9, 39°64'N, 29°42'E, h5km, ML2.2/3, Suspected
Mining explosion., Turkey



Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KPT Kopyto, KIRR Kirishev, BZMR Bezymyannaya, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KMSK Kamenskaya, GRNR Gornyy, TEY Ternei, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BPWA Bear Paw Mtn., SUA Susitna One, TRF Thorofore Moun, etc.



22d 10h

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like EAGLETON, FORT CHURCHILL, ARSLANBOB, etc.

2013 APR

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like MCHPSON PEAK, COTTONWOOD CRE, GRAC, etc.

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Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like PARKER DAM, LAK, PARADOX VALLEY, etc.





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like L53A Girard, O50A Cable, TLR TLR, X40A Basin Creek Fa, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like KHC Kasperke Hory, WVT Waverly, GR1A Grafenberg Arr, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like YAYX Yailak, S55A Lewisburg, CDF Champ du Feu, etc.

KULA	Kula-Manisa	81.07 322	eP	P	10 34 52.4 -1.4
KULA	Kula-Manisa	81.07 322	P	P	10 34 52.4 -1.4
SMF	Signal de Mont	81.08 342	eP	P	10 34 55.3 +1.7
MANF	comp=Z,34nm,1.4s			pmax	
MZ54A	Mania Sparta	81.14 322	eP	P	10 34 53.6 -0.8
baz=326		81.28 48	P	P	10 34 55.2 +0.3
KRUS	Krusevo	81.30 328	iP	P	10 34 55.7 +0.7
LPL	La Plagne	81.55 340	eP	Pmax	10 34 54.7 +2.3
LPG	comp=Z,20nm,0.9s				
LPG	La Plagne	81.56 340	eP	P	10 34 57.8 +1.2
KORT	Korkueli	81.69 320	eP	P	10 34 56.5 -0.7
TCF	Toulx Ste Croi	81.73 343	eP	Pmax	10 34 59.2 +2.1
TCF					
PPT2	comp=Z,7.0nm,0.7s				
Papeete2	Papeete2	81.76 130	eS	S	10 45 07.3 0.0
PPT2	comp=Z,410nm,21.5s				
PPT2	Papeete2	81.76 130	eLR	LR	11 00 38.5
TIR	Tirane	81.78 329	iP	P	10 34 57.6 +0.2
TIR	Tirane	81.78 329	iP	P	10 34 57.2 +0.2
MFF	Saint Martin d	81.85 345	eP	Pmax	10 35 00.2 +2.5
MFF					
VLC	Villacollemand	81.96 337	eP	P	10 34 57.8 -0.6
AOS	Alonissos	82.00 340	eP	P	10 34 57.9 -0.8
BNI	Bardonecchia	82.00 340	eP	P	10 34 57.9 -0.8
BNI	Bardonecchia	82.00 340	eP	P	10 34 57.9 -0.8
LIT	Litokhoron	82.00 327	eP	P	10 34 56.1 -2.5
LIT	Litokhoron	82.00 327	eP	P	10 34 56.6 -2.0
LIT	Litokhoron	82.00 327	eP	P	10 34 56.6 -2.0
LIT	Litokhoron	82.00 327	eP	Pmax	10 34 56.1 -2.5
URLA	Izmir	82.02 323	eP	P	10 34 55.5 -3.3
LEF	Lefka	82.20 317	eP	P	10 34 56.2 -3.5
Z57A	Bowman	82.24 46	P	P	10 35 01.0 +1.1
SSB	Saint Sauveur	82.24 341	eP	P	10 35 00.0 +0.2
SSB	Saint Sauveur	82.24 341	eP	Pmax	10 35 00.0 +0.2
MBDF	Montbardon	82.29 340	eP	P	10 35 01.1 +0.9
MBDF					
ORIF	Oris-en-Rattie	82.30 340	eP	P	10 35 02.6 +2.4
ORIF					
AOS	Alonissos	82.33 326	eP	P	10 34 58.6 -1.7
AOS	Alonissos	82.33 326	P	P	10 34 58.6 -1.7
TURN	Turnuc	82.51 321	P	P	10 35 00.9 -0.4
VIVF	Saint-Julien-I	82.62 341	eP	P	10 35 04.2 +2.4
VIVF					
STKA	Stephens Creek	82.81 194	LR	LR	11 09 57.1
RJF	Les Rejaudoux	82.81 343	eP	Pmax	10 35 04.3 +1.5
RJF					
CAF	Calviac	83.07 343	eP	Pmax	10 35 05.1 +0.9
CAF					
LF	La Frestale	83.31 344	eP	P	10 35 08.0 +2.7
LF					
LMR	La Moure	83.67 339	eP	P	10 35 09.1 +1.9
LMR					
LAKA	Lakka	83.83 326	eP	P	10 35 06.5 -1.7
LAKA	Lakka	83.83 326	P	P	10 35 06.5 -1.7
KLV	Kalavryta, Ach	83.95 326	eP	P	10 35 06.1 -2.7
KLV	Kalavryta, Ach	83.95 326	P	P	10 35 06.1 -2.7
GUR	Goura	83.97 326	eP	P	10 35 07.1 -1.9
GUR	Goura	83.97 326	P	P	10 35 07.1 -1.9
MTLF	Montlieu	84.57 342	eP	Pmax	10 35 13.5 +1.7
MTLF					
TIP	Timpagrande	84.75 331	eP	P	10 35 10.7 -2.1
ITM	Ithomi	84.80 326	eP	P	10 35 12.4 -0.7
IDI	Anoyia	85.36 323	LR	LR	11 18 59.4
EIL	Elat	85.84 313	LR	LR	11 17 50.9
TBI	Tubuai	86.73 133	eS	S	10 45 57.0 +0.4
TBI	Tubuai	86.73 133	eLR	LR	11 02 45.9
VAE	Valguarnera	87.04 332	LR	LR	11 20 52.6
ES06	SONSECA Array	89.22 346	eP	P	10 35 33.8 -0.7
ESDC	Sonsecsa Array	89.22 346	eP	P	10 35 34.3 -0.3
ESDC					
KEST	Kesra	90.14 335	eP	P	10 35 40.3 +1.4
KEST					
MDT	Midelt	96.03 345	LR	LR	11 23 54.7
ATD	Arta Tunnel	100.10 64	PKP	PKP	11 25 30.3
VNDA	Vanda	127.31 179	PKP	PKP	10 41 41.5 0.0
LPZA	La Paz	130.10 64	PKP	PKP	10 41 50.1 0.0
CPUP	Villa Florida	144.17 62	PKP	PKP	10 42 12.6 +0.2
SYO	Syowa Base	145.35 214	eX	PKP	10 42 12.6 -2.3
SYO	Syowa Base	145.35 214	eX	PKP	10 42 21.6 +2.8
PLCA	Paso Flores	145.37 93	PKP	PKP	10 42 16.1 -0.1
PLCA	Paso Flores	145.37 93	ePKP	PKP	10 42 16.4 +0.2
TRQA	Tronquist	149.40 82	ePKP	PKP	10 42 27.2 +0.1
TRQA	Tronquist	149.40 82	ePKP	PKP	10 42 27.2 +0.1
SNA	Sanae	156.15 96	PKP	PKP	10 42 38.9 +6.8

*ICC 22 10:39:03.6:1.1,5:29S;151:43E,h0km,mb4.1/6, mb1 4.3/8,mb1mx3.9/35,mbtmp4.1/8,ML2.4/1,Error ellipse: s-maj=83.4km s-min=17.7km az=132.0*

*ISC 22 10:39:11.2:1.0,5:45.0:3:151.4E:0:3,h57km,n9, c1512/10,mb4.0/6,New Britain region*

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
PMG	Port Moresby	5.83 226	Op	h m s	ISC
		6.3nm,0.3s,baaz=45,slow=7.7,SNR=2.3	Pn	10 40 34.4	-0.7
PMG			Sn	10 41 42.1	+1.6
CTA	Charters Tower	15.46 199	Pn	10 42 45.9 +0.1	
WRA	Warramunga Arr	22.05 227	P	10 43 59.9 -1.4	
ASAR	Alice Springs	24.81 221	P	10 44 26.9 -1.3	
FITZ	Fitzroy Crossi	28.19 241	P	10 44 59.0 +0.3	
ILAR	Eielson Array	33.21 22	P	10 51 30.2 -0.8	
NVAR	Mina Array Bea	83.81 59	P	10 52 22.6 +1.2	
YKA	Yellowknife Ar	96.57 28	P	10 52 34.8 +0.3	
TORD	Torodi Ar, Bea	149.19 287	PKPbc	10 58 55.6 0.0	
		0.7nm,1.3s,baaz=106,slow=5.0,SNR=5.1			

**KRSC 22 10:43:46.9:10.0,49:90N:158:13E,h41km,10km,ML3.6, East of Kuril Islands**

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
SKR	Severo-Kuril's	1.51 302	eP	h m s	ISC
SKR			Pn	10 44 12.9 +1.5	
PAU	Pauzhetka	1.78 332	eS	10 44 30.6 +0.7	
PAU			Pn	10 44 18.2 +3.1	
KDTR	Khodutka, Kamc	1.91 359	eP	10 44 39.8 +3.4	
ASAK	Asaska	2.49 357	eP	10 44 19.5 +2.6	
RUS	Ruska	2.54 5	eP	10 44 27.9 +2.9	
ASAK	Asaska	2.54 5	eP	10 44 28.3 +2.7	
RUS	Ruska	2.54 5	eP	10 44 28.2 +2.9	
MTVR	Mutnovka	2.58 1	eP	10 44 28.3 +2.0	
KRMR	Karymsinskiy	2.93 360	eP	10 44 34.7 +3.5	
KRMR			Pn	10 45 08.5 +3.7	
APC	Apacha	3.09 349	eP	10 44 36.1 +3.0	
UGLR	Uglovaya	3.34 7	eP	10 44 41.0 +4.3	
AVH	Avacha	3.39 6	eP	10 44 41.8 +4.5	
SMAR	Somma	3.39 7	eP	10 44 41.6 +4.1	
SDLR	Seodvina	3.41 8	eP	10 44 41.7 +4.2	
KRER	Koryakskii	3.43 6	eP	10 44 41.6 +3.6	
MKZ	Mys Kozlova	5.16 24	eP	10 45 04.8 +3.3	

*ICC 22 10:48:43.4:13.0,8:08S;112:53E,h102km,118km, mb3.4/4,mb1 3.6/5,mb1mx3.3/41,mbtmp3.8/5,ML3.9/1, Error ellipse: s-maj=143.5km s-min=28.3km az=55.0*

*DJA 22 10:48:45.0:0.4,8:5:8:11:2E, h96km,7km,MA.2/14, mb1.3/2,mb4.0/1,MLV4/1/4,Mw(MB)3/8/1*

*ISC 22 10:48:44.4:1.0,8:35S:0:10:112.42E:0:04,h100km,n20, c1500/24,mb3.6/4,Jawa*

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
PWJI	Pagerwojo	0.70 300	Op	h m s	ISC
GRJI	Gresik	1.45 2	P	10 49 02.6 +0.9	
WOJI	Wonogiri, Jawa	1.57 290	P	10 49 11.0 +1.0	
WOJI			Pn	10 49 12.7 +1.2	
TBJI	Tambak Boyo	1.65 340	P	10 49 33.4 +1.3	
JAGI	Jajag, Banyuwu	1.72 93	P	10 49 13.4 +1.0	
JAGI			Pn	10 49 14.0 +0.6	
JAGI			S	10 49 36.2 +0.7	
WAGI	Wanagama	1.93 284	P	10 49 16.9 +0.5	
YOGI	Yogyakarta	2.17 285	P	10 49 16.9 +0.5	
SMRI	Semarang	2.36 304	P	10 49 22.5 +0.9	
IGBI	Denpasar	2.73 99	P	10 49 27.2 +0.6	
IGBI			S	10 49 59.6 +0.5	
DNP	Denpasar	2.78 96	S	10 50 01.0 +0.9	
SRBI	Singaraja	2.78 84	S	10 49 28.0 +0.8	
SRBI			S	10 50 19.7 +0.7	
KPJI	Karang Pucung	3.06 286	P	10 49 39.2 +1.0	
CISI	Cisempet, Garu	4.63 280	P	10 49 51.9 -0.2	
PLAI	Pilampang	5.32 95	P	10 50 02.3 +0.9	
FITZ	Fitzroy Crossi	16.09 128	P	10 52 24.8 0.0	
FITZ		0.3nm,0.3s,baaz=307,slow=8.3,SNR=12	S	10 55 08.8 -1.4	
WRA	Warramunga Arr	24.13 121	P	10 53 50.5 -0.7	
ASAR	Alice Springs	25.59 129	P	10 54 04.0 -0.4	
STKA	Stephens Creek	35.80 135	P	10 55 34.5 +0.3	
MJAR	Makanohi Array	61.13 337	P	10 58 45.5 -2.6	
CPUP	Villa Florida	144.09 196	PKP	10 58 07.5 +0.7	
		1.4nm,0.4s,baaz=159,slow=5.5,SNR=5.0			

*DRS 22 10:51:29.1:0.0,41:53N:46:65E,h12km TIF 22 10:51:29.1,41:59N:46:69E,h13km*

*NORS 22 10:51:30.7:0.1,41:64N:46:91E,h9km,MPV3.6*

*ISC 22 10:51:30.2:1.1,41:51N:0:04:46:3E:0:03,h11km,n1, n14,c0:96/27,Eastern Caucasus*

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
DDFL	Dedoflistskaro	0.39 261	Op	h m s	ISC
DDFL			P	10 51 35.6 -1.3	
LGD	Lagodekhi	0.44 319	P	10 51 37.8 0.0	
LGD			Sg	10 51 44.2 +0.6	
LGD	Lagodekhi	0.44 319	eP	10 51 37.8 0.0	
LGD			Sg	10 51 44.2 +0.6	
KMKR	Kumukh	0.72 29	eP	10 51 43.3 -0.3	
KMKR			Pb	10 51 53.0 -0.8	
AKT	Akhty	0.83 92	eP	10 51 44.2 -1.0	
GNBR	Gunib	0.92 16	eP	10 51 46.3 -0.8	
GNBR			Pb	10 51 58.8 0.0	
KSMR	Kasumkent	1.13 85	eP	10 51 50.0 -0.8	
KSMR			Pb	10 52 07.0 +0.4	
BTLR	Botlikh	1.20 346	eP	10 51 52.0 -0.2	
BTLR			Sg	10 52 08.1 +0.4	
UNCR	Uncukul	1.21 6	eP	10 51 52.5 0.0	
UNCR			Sg	10 52 10.0 +1.7	
DRN	Derbent	1.38 67	eP	10 51 56.7 +1.1	
DRN			Sg	10 52 14.9 +1.4	
TBLG	Delisi	1.43 280	P	10 51 57.0 +0.3	
TBLG			Sg	10 52 16.9 +1.6	
TBLG	Delisi	1.43 280	eP	10 51 57.0 +0.3	
TBLG			Sg	10 52 16.9 +1.6	
DBC	Dubki	1.52 6	eP	10 52 18.4 +0.3	
DBC			Pb	10 52 11.2 -1.3	
ZEI	Tsey	2.04 303	eP	10 52 41.4 -0.7	
ZEI			Sb	10 52 41.4 -0.7	

*ICC 22 10:56:49.4:1.1,30:33N:103:00E,h0km,mb3.9/10, mb1 4.0/11,mb1mx3.7/54,mbtmp3.9/11,ML4.0/1,Error ellipse: s-maj=33.1km s-min=17.7km az=68.0*

*BUI 22 10:56:51.8:30:33N:103:02E,h17km,mb3.6/1,ML3.9/15, Ms3.7/10,Ms7.3/5*

*ISC 22 10:56:52.1:0.7,30:38N:105:13E:0:07,h10km,n18, c1577/23,mb3.8/10,1C,Sichuan*

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
CD2	Chengdu	0.75 45	Op	h m s	ISC
CD2			Pg	10 57 07.9 +1.3	
CD2			Sg	10 57 19.8 +3.5	
CD2			Smax		
CD2			Smax		
GYA	Guiyang	4.99 141	iP	h m s	ISC
GYA			Sg	10 58 19.8 +0.2	
GYA			Sg	10 59 33.1 +0.8	
GYA			Smax		
GYA			Smax		
LZH	Lanzhou	5.72 6	eP	h m s	ISC
LZH			Pg	10 58 42.0 +0.3	
LZH			Sg	10 59 58.6 +2.8	

LZH	comp=N,64nm,1.2s			Smax	Smax
LZH	comp=E,75nm,1.1s			LR	LR
LZH	comp=N,570nm,5.2s			LR	LR
LZH	comp=E,640nm,5.9s			LR	LR
LZH	comp=Z,510nm,6.0s			LR	LR
XAN	Xi'an	6.10 52	Pn	Pn	10 58 23.8 +1.4
XAN			Pg	Pg	10 58 46.0 -3.0
XAN			Sg	Sg	10 59 31.4 -1.0
XAN					

NEIC Felt [I] at Ahuachapan, El Salvador.  
 ISC 22 11:20:12.7-1.9, 12.71N, 0.07-90.65W, 0.005, 118km, 1.0km,  
 n277,r1904/284,mb4.5/58, Off coast of central America

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
IXG	Ixpaco	1.46	8	eP	11 20 39.9	-1.0
IXG	Ixpaco	1.46	8	eS	11 21 04.3	+4.3
SBSL	San Blas	1.50	42	eP	11 20 40.1	+1.5
SBSL	San Blas	1.50	42	eS	11 21 02.4	+1.2
RTR	El Retiro	1.53	39	eP	11 20 40.7	-1.4
SNJE	San Jose	1.53	41	eP	11 20 40.3	+0.3
BOQS	Boqueron	1.67	52	eP	11 20 43.6	-1.4
FUG	Fuego 3	1.73	354	eP	11 20 44.1	+0.6
LFRS	El Faro	1.79	59	eP	11 20 44.4	-0.6
LFU	La Fuente	1.81	55	eP	11 20 44.4	-1.0
LBR5	Las Brisas	1.86	57	eP	11 20 45.4	-0.9
LBR5	Las Brisas	1.86	57	eS	11 21 10.9	-1.9
NBG	Las Nubes	1.89	9	eP	11 20 46.6	-0.2
MITO3	Montecristo	2.09	37	eP	11 20 49.0	+1.2
APG	El Apazote	2.28	4	Pn	11 20 50.2	+0.4
APG	El Apazote	2.28	4	Sn	11 21 18.1	+0.5
PACA	Pacaya	2.38	71	eP	11 20 52.7	+1.6
PACA	Pacaya	2.38	71	eS	11 21 24.7	+0.3
CAHU	Cacaocatique	2.59	66	eP	11 20 55.6	+1.7
CSGN	Cosiguina Volc	3.02	85	ePn	11 21 01.8	+2.1
TGHU	Tequiguigalpa,Un	3.54	67	ePn	11 21 08.3	+1.4
COIG	Comitan	3.83	338	ePn	11 21 12.1	+1.2
COIG	Comitan	3.83	338	eS	11 21 53.3	+2.2
COPN	Copaltepe	4.00	97	eP	11 21 12.7	-0.4
ESTN	Estel	4.19	84	eP	11 21 16.5	+0.7
ESTN	Estel	4.19	84	eS	11 22 06.7	+2.3
ACON	Acoyapa	5.40	97	eP	11 21 33.7	+1.4
ACON	Acoyapa	5.40	97	eS	11 22 49.0	+1.2
CMIG	Matias Romero	5.98	317	Pn	11 21 39.8	-0.6
JTS	JuntasAbangare	6.08	113	Pn	11 21 42.2	+0.4
JTS	JuntasAbangare	6.08	113	Sn	11 22 52.8	+1.8
JTS	JuntasAbangare	6.08	113	LR	11 23 05.2	
JTS	JuntasAbangare	6.08	113	LR	11 23 05.2	
JTS	JuntasAbangare	6.08	113	ePn	11 21 44.7	+2.9
JTS	JuntasAbangare	6.08	113	eS	11 22 51.1	+0.1
TEIG	Tepech	7.81	17	ePn	11 22 07.2	+1.7
MYIG	Mrida	8.24	6	ePn	11 22 12.1	+0.6
TLIG	Tlapa	9.04	303	ePn	11 22 23.0	+0.5
MOIG	Morelia	12.26	306	ePn	11 23 08.7	+1.9
ZAIG	Zacatecas	15.12	313	ePn	11 23 46.3	+0.5
ROSC	El Rosal	17.32	14	LR	11 31 24.4	
435B	Jarrell	19.09	341	eP	11 24 35.2	+0.7
JCT	Junction City	19.61	336	eP	11 24 40.8	+0.6
JCT	Junction City	19.61	336	Pn	11 24 41.5	-0.1
457A	Yulee	19.70	24	P	11 24 42.5	-0.2
251A	Midway	19.88	13	P	11 24 44.0	+0.9
HPIG	Hampton	19.96	317	eP	11 24 45.2	+0.9
147A	Livingston	19.99	6	eP	11 24 44.8	+0.6
147A	Livingston	19.99	6	Pn	11 24 46.2	+0.2
SDV	Santo Domingo	20.02	99	P	11 24 45.3	+0.3
SDV	Santo Domingo	20.02	99	eP	11 24 46.1	+1.1
148A	Greensboro	20.04	8	Pn	11 24 46.9	+0.2
149A	Jones	20.11	10	Pn	11 24 47.3	-0.1
150A	Eclectic	20.25	11	P	11 24 48.4	-0.7
BANI	BANI	20.34	71	eP	11 24 49.1	+0.7
LTX	Lajitas	20.49	326	eP	11 24 51.5	+1.5
TX31	Lajitas Ar. Si	20.49	326	eP	11 24 51.0	+1.0
TX31	Lajitas Array	20.49	326	eP	11 24 51.0	-1.2
TXAR	Lajitas Array	20.49	326	Pn	11 24 51.5	+1.6
LRAL	Lakeview Retre	20.50	9	eP	11 24 51.2	-0.8
LRAL	Lakeview Retre	20.50	9	P	11 24 51.0	+1.1
Z41A	Richard Creek	20.55	355	P	11 24 51.5	+1.2
152A	Waverly Hall	20.59	14	P	11 24 51.3	+0.4
Z49A	Columbiana	20.73	10	P	11 24 53.7	+1.3
Z50A	Ashland	20.90	11	P	11 24 55.6	+1.4
WLAR	White Oak Lake	21.00	354	eP	11 24 55.6	+0.4
Y48A	Jasper	21.30	8	P	11 25 00.1	+1.1
Y49A	Blount Mountai	21.40	10	eP	11 25 00.5	+1.0
Y49A	Blount Mountai	21.40	10	P	11 25 00.6	+1.0
ABTX	Abilene, Hawle	21.46	339	eP	11 25 00.6	+0.3
Z53A	Monticello	21.47	16	P	11 25 00.8	+0.5
Y50A	Piedmont	21.55	11	P	11 25 01.4	+0.2
GOGA	Godfrey	21.62	16	P	11 25 02.2	+0.2
Y51A	Rockmart	21.70	13	P	11 25 03.6	+0.8
OXF	Oxford	21.73	3	eP	11 25 03.7	+0.7
OXF	Oxford	21.73	3	P	11 25 03.8	+0.8
X40A	Basin Creek Fa	21.77	355	P	11 25 04.2	+0.7
X46A	Booneville	21.83	5	P	11 25 04.4	+0.3
X47A	Russellville	21.86	6	P	11 25 04.9	+0.5
X48A	Hartselle	21.89	8	eP	11 25 05.2	+0.4
X48A	Hartselle	21.89	8	P	11 25 04.8	0.0
Y52A	Liburn	21.89	15	P	11 25 04.5	-0.3
MIAR	Mount Ida	21.90	354	eP	11 25 04.7	-0.2
MIAR	Mount Ida	21.90	354	P	11 25 04.5	-0.3
Y53A	Monroe	22.01	16	P	11 25 04.6	-1.5
X50B	Fort Payne	22.12	11	P	11 25 07.5	+0.1
Y54A	Tignall	22.27	18	P	11 25 08.7	-0.1
X51A	Calhoun	22.38	13	P	11 25 10.5	+0.4
W41B	Gary Mavity, V	22.41	357	P	11 25 10.9	+0.5
W39A	Magazine	22.56	353	eP	11 25 11.7	-0.3
W39A	Magazine	22.56	353	P	11 25 11.7	-0.3
W48A	Pulaski	22.58	8	P	11 25 12.7	+0.5
W47A	Westpoint	22.61	7	P	11 25 12.6	+0.1
W49A	Belvidere	22.66	9	P	11 25 13.3	+0.3
SWET	Sewanee	22.81	10	eP	11 25 15.1	+0.4
W50A	Signal Mountai	22.90	11	eP	11 25 16.1	+0.4
W50A	Signal Mountai	22.90	11	P	11 25 15.9	+0.3
W51A	Cleveland	22.98	12	P	11 25 16.4	+0.1
V46A	Holladay	23.10	5	P	11 25 16.9	-0.7

V48A	Smith Brothers	23.18	8	eP	11 25 18.8	+0.3
V48A	Smith Brothers	23.18	8	P	11 25 18.4	-0.1
V47A	Nunnally	23.19	6	P	11 25 18.1	-0.5
MNTX	Cornudas Mount	23.26	327	eP	11 25 19.9	+0.6
MNTX	Cornudas Mount	23.26	327	P	11 25 19.9	+0.6
CPCT	Cooper Cave	23.30	13	eP	11 25 20.0	+0.3
V49A	McMinnville	23.35	10	P	11 25 20.3	+0.1
WVT	Waverly	23.45	6	P	11 25 21.1	-0.1
TUL1	Leonard	23.56	350	P	11 25 21.3	-0.9
U40A	Yellville	23.63	356	P	11 25 22.2	-0.7
U46A	Springville	23.65	5	P	11 25 22.6	-0.5
HHAR	Hobbs	23.65	353	eP	11 25 22.2	-0.9
TKL	Tuckaleechee C	23.67	14	P	11 25 21.6	-1.8
TKL	Tuckaleechee C	23.67	14	eP	11 25 23.2	-0.2
V51A	Loudon	23.68	13	P	11 25 23.1	-0.3
U47A	Clarksville	23.82	7	P	11 25 23.7	-1.0
U48A	Cassie Pea, Po	23.98	8	P	11 25 25.2	-1.1
U49A	Red Bolling Sp	24.10	10	P	11 25 27.2	-0.2
U50A	Jamestown	24.17	11	P	11 25 27.9	-0.2
AMTX	Amarillo	24.23	337	eP	11 25 27.9	-0.8
AMTX	Amarillo	24.23	337	P	11 25 27.7	-1.1
U51A	La Follette	24.31	13	P	11 25 28.7	-0.6
W57A	Gilead	24.33	22	P	11 25 29.0	-0.5
T46A	Princeton	24.35	5	P	11 25 29.4	-0.3
T47A	Sharon Grove	24.38	7	eP	11 25 29.6	-0.3
T47A	Sharon Grove	24.38	7	P	11 25 29.6	-0.3
W58A	Raeoford	24.50	23	P	11 25 30.6	-0.4
T48A	Bowling Green	24.58	8	P	11 25 31.1	-0.8
U53A	Fall Branch	24.64	16	P	11 25 31.0	-1.4
T49A	Edmonton	24.72	10	eP	11 25 32.9	-0.2
T49A	Edmonton	24.72	10	P	11 25 32.6	-0.4
V56A	Mocksville	24.75	20	P	11 25 32.4	-0.9
T50A	Nancy	24.76	11	P	11 25 32.6	-0.8
S41A	Jilco Farms,	24.79	358	P	11 25 32.6	-1.0
T51A	Gray	24.89	13	P	11 25 34.0	-0.6
S44A	Carbondale	24.91	3	P	11 25 34.3	-0.4
SIUC	Northern Illin	24.93	3	eP	11 25 34.7	-0.2
U54A	Nelsons Funny	25.00	17	P	11 25 35.3	-0.4
S46A	Don Dixon Farm	25.01	6	P	11 25 34.9	-0.7
S47A	Hartford	25.01	7	P	11 25 35.2	-0.4
V57A	Coltrane Farms	25.07	21	P	11 25 35.2	-1.0
S48A	Wiedeman Farm,	25.18	9	P	11 25 36.4	-0.7
U55A	TA2, Sparta	25.21	18	P	11 25 36.3	-1.3
121A	Cookes Peak, D	25.22	324	P	11 25 39.4	+1.6
CCM	Cathedral Cave	25.24	359	eP	11 25 37.0	-0.8
CCM	Cathedral Cave	25.24	359	P	11 25 36.9	-0.9
S49A	Springfield	25.42	10	P	11 25 38.3	-1.1
R44A	Waltoville	25.47	3	P	11 25 38.1	-1.7
S50A	Richmond	25.48	12	P	11 25 38.0	-1.9
R41A	Rosebud	25.49	359	P	11 25 39.0	-1.0
V59A	Middlesex	25.54	24	P	11 25 39.4	-1.0
R46A	Gibson Southern	25.55	6	P	11 25 39.9	-0.6
R45A	Skylar, Fairir	25.56	4	P	11 25 39.9	-0.8
S51A	Beattville	25.61	13	eP	11 25 40.5	-0.6
WCI	Wyandotte Cave	25.70	8	eP	11 25 41.9	0.0
WCI	Wyandotte Cave	25.70	8	P	11 25 41.9	0.0
R47A	Woody Knot Far	25.74	7	P	11 25 42.1	-0.1
R49A	Shelbyville	25.94	10	P	11 25 43.4	-0.6
R50A	Paradise	26.08	11	P	11 25 44.9	-0.4
Q45A	Warren Harvey,	26.17	4	P	11 25 45.7	-0.4
Q47A	Bedord North L	26.39	7	P	11 25 48.2	+0.1
Q48A	North Vernon	26.47	9	P</		

Table with columns: ID, Station Name, Azimuth, Elevation, Phase, and other parameters. Includes stations like San Ignacio, Detroit Lake, Drain, etc.

ICC 22 11:33:36.8,0.8,12.73N:90.62W,h0km,mb4.2/12, mb1 4.4/16,mb1mx4.2/42,mbtmp4.2/16,ML3.4/4,MS3.2/5, Ms1 3.2/5,ms1mx2.9/33,Error ellipse: s-maj=26.4km s-min=13.0km az=54.0

UCR 22 11:33:38.5,1.7,12.57N:90.74W,h14km,31km,MD3.8, mb4.4(NEIC)

NEIC 22 11:33:39.5,1.9,12.75N:90.69W,h11km,4km,4/9/3, MD4.0(SNET),Error ellipse: s-maj=17.1km s-min=7.9km az=46.0

NEIC Felt [I] at Ahuachapan, El Salvador. ISC 22 11:33:40.7,1.8,12.71N:0.06,90.68W,0.05,h2km,12km,n303,r1907/315,mb4.4/79,MS.2/3,Off coast of central America

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase, and other parameters. Includes stations like Ixg, SBLs, RTR, etc.

Main station list table with columns: ID, Station Name, Azimuth, Elevation, Phase, and other parameters. Includes stations like Y49A, ABTX, Y50A, etc.

Main station list table with columns: ID, Station Name, Azimuth, Elevation, Phase, and other parameters. Includes stations like S51A, WCI, WCI, etc.







Table with columns for station code, name, elevation, and coordinates. Includes stations like KIRR, KOZ, BZWR, etc.

Table with columns for station code, name, elevation, and coordinates. Includes stations like ASAJ, ERM, SEY, etc.

Table with columns for station code, name, elevation, and coordinates. Includes stations like DL2, SVW2, PPLA, etc.



Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PNTR Pine Nut, SUMG Summit, HLID Hailey, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ISA Isabella, Lake, HWUT Hardware Ranch, DUG Dugway, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PV16 Nyswonger Mesa, PV11 David Mesa, PV05 Paradox Valley, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like SCHQ Schefferville, J39A Decora, MNSI Mandailing Nat State Center, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like OKC Ostrava-Krasne, CLL Collin, CLL Collin, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like KHC Kasperke Hory, ICOR Ion Corvin, GRF Grafenberg Arr, etc.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like MNMIX, PB15, IPOC Station P, etc.

SOME 22 13:46:17.6, 47.03N, 74.95E

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like BTLS, OTUK, KUU, ARXS, etc.

ISC 22 13:52:10.6, 13.0, 11.77S, 165.97E, h230km, 101km, mb3.0/4, mb1 3.3/5, mb1mx3.0/40, mbtmp3.8/5, Error ellipse: s-maj=174.0km s-min=27.6km az=129.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like HNR, CTA, WRA, ASAR, ILAR, etc.

ISC 22 14:05:48.4, 1.8, 1.06N, 123.54E, h0km, mb3.5/4, mb1 3.7/5, mb1mx3.4/34, mbtmp3.5/5, ML3.5/1, Error ellipse: s-maj=105.4km s-min=20.4km az=60.0, DJA 22 14:06:12.6, 0.7, 0.1N, 4.12E, h168km, 5km, M3, 1/6, ML3.3/1/6

ISC 22 14:06:10.6, 0.9, 0.21N, 0.08, 122.37E, 0.09, h200km, n11, e180/14, mb3.4/4, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like MRSI, LUWI, APSE, KMSI, WRA, ASAR, CMAR, MKAR, etc.

ISC 22 14:06:27.9, 38.56N, 28.66E, h6km, 2km, ML2.0/3, Suspected Mining explosion, DDA 22 14:06:27.9, 38.55N, 28.62E, h6km, 1km, ML2.6, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like MRSI, LUWI, APSE, KMSI, WRA, ASAR, CMAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KHAL, AKHS, AYDB, GDZ, AYDN, STEP, BALB, ZEDA, etc.

ATH 22 14:11:50.1, 35.14N, 25.19E, h21km, ML3.4/15, Error ellipse: s-maj=1.2km s-min=0.6km az=164.0, THE 22 14:11:50.5, 0.9, 35.13N, 0.03, 25.18E, 0.02, h13km, 6km, n54, 0.057/83, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KSTL, Heraklion, IACM, Lasithi, etc.

ISC 22 14:11:50.5, 0.9, 35.13N, 0.03, 25.18E, 0.02, h13km, 6km, n54, 0.057/83, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KSTL, Heraklion, IACM, Lasithi, etc.

ISC 22 14:11:50.5, 0.9, 35.13N, 0.03, 25.18E, 0.02, h13km, 6km, n54, 0.057/83, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like GVD, IMMV, THR9, etc.

ISC 22 14:11:50.5, 0.9, 35.13N, 0.03, 25.18E, 0.02, h13km, 6km, n54, 0.057/83, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like TH1, TH3, TH5, etc.

ISC 22 14:11:50.5, 0.9, 35.13N, 0.03, 25.18E, 0.02, h13km, 6km, n54, 0.057/83, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CMB0, KARP, MHLO, etc.

ISC 22 14:11:50.5, 0.9, 35.13N, 0.03, 25.18E, 0.02, h13km, 6km, n54, 0.057/83, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ANKY, MHLA, AMGA, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like LTK, GUR, ANX, etc.

ISC 22 14:16:17.6, 8.2, 7.21S, 129.43E, h160km, 86km, mb3.3/1, mb1 3.2/5, mb1mx3.0/33, mbtmp3.7/5, Error ellipse: s-maj=76.7km s-min=25.5km az=38.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like BATI, FITZ, WRA, etc.

MEX 22 14:02.5, 0.8, 15.15N, 92.51W, h106km, 9km, MD3.7, Mexico-Guatemala border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like THIG, PCIG, CMIG, etc.

DDA 22 14:31:59.8, 37.33N, 37.10E, h6km, 1km, ML2.6, ISK 22 14:31:59.1, 37.33N, 37.15E, h11km, ML1.7/5, ISC 22 14:31:59.5, 1.0, 37.33N, 0.05, 37.14E, 0.04, h12km, 9km, n10, 0.043/12, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like GAZ, HCB, KMR5, etc.

ISC 22 14:51:14.1, 2.9, 10.54S, 112.69E, h0km, mb3.2/3, mb1 3.4/4, mb1mx3.3/37, mbtmp3.2/4, ML2.9/1, Error ellipse: s-maj=143.3km s-min=27.3km az=45.0, South of Java

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like FITZ, WRA, ASAR, MKAR, etc.

ISC 22 14:58:23.0, 0.2, 3.11, 23S, 165.32E, h0km, mb3.5/3, mb1 3.7/5, mb1mx3.4/45, mbtmp3.7/5, ML4.1/2, Error ellipse: s-maj=51.5km s-min=37.7km az=66.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like HNR, DZM, WRA, ASAR, MKAR, etc.

ISC 22 15:04:18.3, 1.1, 24.84N, 123.43E, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.3/39, mbtmp3.4/5, MS3.1/9, Ms1 3.1/9, ms1mx2.9/38, Error ellipse: s-maj=65.4km s-min=21.3km az=70.0, JMA 22 15:04:20.0, 0.2, 24.87N, 123.34E, h28km, M2.9, ISC 22 15:04:19.1, 1.8, 24.84N, 0.07, 123.35E, 0.05, h6km, 13km, n21, 0.069/21, mb3.4/5, MS3.0/6, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like HNR, DZM, WRA, ASAR, MKAR, etc.





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

IDC 22 15:41:58.2-1.1, 55.09N:157.65W, h0km, mb3.8/14, mb1 3.9/16, mb1mx3.7/61, mbtmp3.8/16, ML3.9/2, MS3.1/4, Ms1 3.1/4, ms1mx2.6/53, Error ellipse: s-maj=24.2km s-min=18.0km az=11.0

NEIC 22 15:42:02.8-1.2, 55.32N:157.22W, h26km, gkm, mb4.4/4, ML3.6(AEIC), Error ellipse: s-maj=7.9km s-min=3.0km az=155.0

AEIC 22 15:42:02.4-0.0, 55.15N:157.07W, h20km ISC 22 15:42:03.6-1.8, 55.34N:0.08:157.22W, 0.05, h31km, 11km, n92, e190/92, mb4.0/16, Alaska Peninsula

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GSTR, ADK, WHY, INK, etc.

NIED 22 15:46:00.42:40N:138.40E, h230km, Mvk3.9 Best double couple: s-maj=6.5km s-min=5.0km az=120.0, 335.00000°, 1.6.00000°. NP2:phi=207.00000°, 886.00000°, 1.125.00000°

NEIC 22 15:46:39.5-0.3, 42.46N:138.44E, h248km, 5km, mb4.0/13, Error ellipse: s-maj=6.5km s-min=5.0km az=120.0, 15:46:39.6-0.2, 42.43N:138.43E, h252km, 2km, M4.0, IDC 22 15:46:39.3-0.9, 42.43N:138.41E, h246km, 9km, mb3.4/14, mb1 3.4/20, mb1mx3.5/56, mbtmp4.0/20, Error ellipse: s-maj=11.9km s-min=10.6km az=104.0

ISC 22 15:46:39.3-0.6, 42.43N:138.48E, 0.06, h250km, n85, 689/92, mb3.8/27, Eastern Sea of Japan

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

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

PRU 22 15:54:27.5-0.0, 51.44N:16.19E, h0km, Poland

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

ROM 22 15:57:51.3-1.0, 43.449N:0.003:12.314E:0.004, h7km, ML1.4/10, Error ellipse: s-maj=0.3km s-min=0.1km az=76.0, Central Italy

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

Table with columns: ATFO, AML, AML, comp=E, 112µm, 0.7s, 0.21 345 P, Pg, S, Sg, 15 57 56.0 +0.5, 15 57 56.0 +0.5, 15 57 59.6 +1.3

Table with columns: PARC, AML, AML, comp=E, 157µm, 0.7s, 0.21 345 P, Pg, S, Sg, 15 57 56.0 +0.5, 15 57 56.0 +0.5, 15 57 59.6 +1.3

Table with columns: MURB, AML, AML, comp=N, 172µm, 0.9s, 0.24 140 P, Pg, S, Sg, 15 57 56.8 +0.7, 15 58 00.7 +1.4

Table with columns: MURB, AML, AML, comp=N, 236µm, 0.2s, 0.25 173 S, Pg, 15 58 01.0 +1.3, 15 57 57.0 +0.7, 15 57 57.0 +0.7, 15 58 01.4 -1.4

Table with columns: ATTE, AML, AML, comp=N, 109µm, 1.0s, 0.25 173 S, Pg, 15 58 01.0 +1.3, 15 57 57.0 +0.7, 15 57 57.0 +0.7, 15 58 01.4 -1.4

Table with columns: NARO, AML, AML, comp=N, 109µm, 1.0s, 0.25 50 P, Pg, S, Sg, 15 57 56.7 +0.4, 15 58 01.1 +1.4

Table with columns: NARO, AML, AML, comp=N, 73µm, 1.4s, 0.25 50 P, Pg, S, Sg, 15 57 56.7 +0.4, 15 58 01.1 +1.4

Table with columns: NARO, AML, AML, comp=N, 73µm, 0.4s, 0.25 50 P, Pg, S, Sg, 15 57 56.7 +0.4, 15 58 01.1 +1.4

Table with columns: CAFI, AML, AML, comp=N, 82µm, 1.4s, 0.28 245 P, Pg, S, Sg, 15 57 57.4 +0.6, 15 58 01.8 +1.3

Table with columns: CAFI, AML, AML, comp=N, 82µm, 0.6s, 0.28 245 P, Pg, S, Sg, 15 57 57.4 +0.6, 15 58 01.8 +1.3

Table with columns: MPAG, AML, AML, comp=N, 49µm, 0.6s, 0.37 61 P, Pg, S, Sg, 15 57 59.0 +0.5, 15 58 05.2 -1.1

Table with columns: MPAG, AML, AML, comp=N, 49µm, 0.6s, 0.37 61 P, Pg, S, Sg, 15 57 59.0 +0.5, 15 58 05.2 -1.1

Table with columns: EL6, S, S, comp=E, 72µm, 1.1s, 0.59 102 S, S, 15 58 13.0 +0.5, 15 58 14.7 +4.9

Table with columns: WRA, AML, AML, comp=N, 172µm, 0.9s, 0.24 140 P, Pg, S, Sg, 15 57 56.8 +0.7, 15 58 00.7 +1.4

Table with columns: ASAR, AML, AML, comp=N, 172µm, 0.9s, 0.24 140 P, Pg, S, Sg, 15 57 56.8 +0.7, 15 58 00.7 +1.4

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC, 1.09 26 P, S, Pn, 16 24 25.6 -1.2, 1.23 341 P, S, Pn, 16 24 14.3 -0.2

Table with columns: FITZ, LR, LR, comp=Z, 64nm, 19.4s, baz=184, slow=35, 16 29 10.6 +1.1, 16 29 22.1 +0.9, 16 34 00.7 -1.7

IDC 22 16:26:04.8; 1.5, 35°48'S; 78°36'E, h0km, mb3.9/9, mb1 4.0/9, mb1mx3.8/5.1, mbtmp3.9/9, MS3.6/3, Ms1 3.6/3, ms1mx3.0/3.1, Error ellipse: s-maj=50.4km s-min=25.1km az=15.0

NEIC 22 16:26:06.2; 0.7, 35°52'S; 78°38'E, h10km, mb4.5/5.1, Error ellipse: s-maj=24.3km s-min=11.3km az=198.0

ISC 22 16:26:06.9; 1.4, 35°55.0'3.78"E; 0'2.0, h14km, n27, c0548/18, mb4.0/12, MS3.6/3, Mid-Indian Ridge

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, H0S22 Diego Garcia H, 28.27 348 T, Op, ISC, 17 01 27.5

Table with columns: H0S21 Diego Garcia H, 28.27 348 T, T, 17 01 26.9, H0S13 Diego Garcia H, 28.29 348 T, T, 17 01 28.9

Table with columns: H01W2 Cape Leeuwin H, 29.12 99 T, T, 17 02 31.1, H01W3 Cape Leeuwin H, 29.13 99 T, T, 17 02 35.1, H01W1 Cape Leeuwin H, 29.14 99 T, T, 17 02 32.3

Table with columns: BOSA Boshof, 45.09 263 LR, comp=Z, 58nm, 20.8s, baz=120, slow=31, FITZ Fitzroy Crossi, 45.16 80 LR, comp=Z, 71nm, 21.1s, baz=208, slow=30

Table with columns: MATP Matopo, 46.08 275 P, 1.8nm, 0.6s, baz=79, slow=10, SNR=3.0, LSZ Lusaka, 49.05 281 eP, 8.8nm, 0.8s

Table with columns: ASAR Alice Springs, 49.13 92 P, 0.9nm, 0.8s, baz=236, slow=7.2, SNR=12, WRA Warrungarra Arr, 51.26 98 P, 2.5nm, 1.1s, baz=242, slow=5.7, SNR=8.3

Table with columns: WR1 Warrungarra Arr, 51.26 98 eP, CMAR Chiang Mai Arr, 51.72 23 P, 0.7nm, 0.9s, baz=196, slow=5.5, SNR=8.6

Table with columns: AAK Ala-Archa, 77.87 327 eP, 0.7nm, 0.8s, baz=208, slow=10, SNR=3.6, KK31 Karatay Array, 78.58 354 eP, 3.6nm, 0.8s

Table with columns: KKAR Karatay Array, 78.58 354 eP, MK32 Makanchi Array, 82.02 3 eP, MKAR Makanchi Array, 82.02 3 P, 0.3nm, 0.5s, baz=204, slow=8.6, SNR=6.6

Table with columns: BR101 Keskin Array S, 85.49 327 eP, BR1TR Keskin Array B, 85.49 327 P, 0.6nm, 0.8s, baz=114, slow=3.5, SNR=3.5

Table with columns: KURBB Kurchatov Arra, 85.77 0 P, 2.8nm, 0.8s, baz=192, slow=4.7, SNR=22, SONAO Songino Array, 86.69 18 eP, 0.7nm, 0.8s, baz=190, slow=7.5, SNR=4.9

Table with columns: DBIC Dimbokro, 88.36 279 LR, comp=Z, 10nm, 20.8s, baz=106, slow=36, YKA Yellowknife Arr, 151.81 13 PKPbc, 0.3nm, 0.8s, baz=335, slow=2.7, SNR=6.9

Table with columns: ATD Arta Tunnel, 18.64 208 LR, LR, 16 40 31.6, BRTR Keskin Array B, 18.71 312 P, Pn, 16 32 40.1 -0.6

Table with columns: AKTO Aktyubinsk, 22.60 111 A, 0.2nm, 0.1nm, 0.3s, baz=132, slow=12, SNR=13, AAK Ala-Archa, 23.36 46 P, P, 16 33 32.8 +2.8

Table with columns: AAK Ala-Archa, 23.36 46 P, P, 16 33 32.8 +2.8, AAK Ala-Archa, 23.36 46 P, P, 16 33 32.8 +2.8

Table with columns: GUMO Guam, 86.45 77 LR, LR, 17 24 31.4, YKA Yellowknife Arr, 88.82 354 P, comp=Z, 1.0nm, 0.6s, baz=5.3, slow=4.5, SNR=4.0

Table with columns: ASAR Alice Springs, 94.57 114 P, P, 16 41 23.5 +0.3, JMA 22 16:33:52.9; 0.2, 37°31'N; 142°12'E, h24km, mb3.2

IDC 22 16:33:54.8; 6.1, 37°39'N; 141°17'E, h0km, mb3.3/2, mb1 3.3/3, mb1mx3.2/4.4, mbtmp3.2/3.2, ML2.4/1, MS2.9/3, Ms1 3.0/3, ms1mx2.6/2.4, Error ellipse: s-maj=125.6km s-min=39.3km az=0.0

ISC 22 16:33:52.1; 2.8, 37°29'N; 0°9.142'E; 0.1, h24km, n22, c1535/17, Off east coast of Honshu

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, JFK Kawauchi, 1.00 275 Op, ISC, 16 34 24.2 +0.8

Table with columns: ONAJ Iwakimizuishi, 1.07 260 P, S, 16 34 12.1 +0.4, JMK Ishinomakiokubu, 1.14 333 P, P, 16 34 12.7 -0.5

Table with columns: JMK Marumori, 1.20 299 P, P, 16 34 14.1 -0.1, JFFD Fukushimafurud, 1.26 261 P, P, 16 34 15.0 +0.7

Table with columns: JIO Okuri, 1.31 333 P, P, 16 34 15.3 -0.8, JFT Otama, 1.44 280 P, P, 16 34 18.5 +0.2

Table with columns: JOU Tokata, 1.57 313 P, P, 16 34 20.2 -0.4, JOU Tokata, 1.57 313 P, P, 16 34 20.2 -0.4

Table with columns: JYK Ichinosue, 1.81 337 P, S, 16 34 39.7 -0.4, JYK Kaneyama, 2.14 320 P, P, 16 34 28.5 -1.7

Table with columns: MJAR Matsushiro Arr, 3.22 258 Pn, 0.4nm, 0.3s, baz=63, slow=15, SNR=19, MJAR Matsushiro Arr, 3.22 258 Pn, 0.3nm, 0.3s, baz=78, slow=15, SNR=3.7

Table with columns: MAT Matsushiro, 3.22 258 P, P, 16 34 46.3 -2.4, MAT Matsushiro, 3.22 258 P, P, 16 34 46.3 -2.4

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, WAKE ISLAND HY, 27.80 122 T, S, 17 08 51.2, WAKE ISLAND HY, 27.81 122 T, T, 17 08 51.2

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, WAKE ISLAND HY, 27.82 122 T, T, 17 08 50.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like BILIBINO, MAGADAN, SEYCHMAN, CASTLE ROCKS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like KSH, NB2, NOA, CMAR, JIRN, GAR, RAMN, KKN, PKI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like KSR5, MKAR, ZALV, KURBB, WRA, ASAR, YKA, MAN 27, etc.



Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KVN Kaiserville, NV01 Mina Array Sit, FRB Froisher Bay, ELK Elko, etc.

IDC 22 18:00:08.1±0.8,30.41S;179.111W,h312km,9km,mb3.1/5, mb1.3/3.8,mb1km3.1/40,mbtmp4.0/6, Error ellipse: s-maj=28.0km s-min=16.8km az=177.0

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like GLKZ Green Lake, RAO Raoul Island, MXZ Matalakoa Point, etc.

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

WBNET 22 18:02:22.2,50.262N;12.44E,h9km,MI0.7,7C-5D, Germany

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

PRU 22 18:02:43.5±0.0,50.28N;12.47E,h3km,West Bohemia Swam

WBNET 22 18:02:43.3,50.262N;12.44E,h9km,MI0.9,7C-5D, Germany

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

PDG 22 18:04:09.6±0.2,43.11N;18.74E,h9km,1km,MD2.4/3, ML2.3/10, Error ellipse: s-maj=0.3km s-min=0.5km az=0.0

SAR 22 18:04:10.0±0.2,43.11N;18.76E,h5km,2km,ML2.4/1, BEO 22 18:04:10.5±0.2,43.10N;18.75E,h6km,2km,ML2.2/13, 10C-6D,Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like UPM Unac-Piva, BRY Bratogost, NKC Novy Kostel, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PVS Plav, IVAS Ivanjica, ULUC Ulcinj, etc.

WBNET 22 18:10:18.6,50.262N;12.44E,h9km,MI1.2,7C-5D, Germany

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

WBNET 22 18:10:28.0,50.262N;12.44E,h8km,MI0.4,2C-2D, Germany

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

WBNET 22 18:10:31.4,50.262N;12.45E,h9km,MI0.0,1C-2D, Germany

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

BGR 22 18:10:32.7±0.3,50.262N;12.43E,h12km,2km,ML2.0/6, Error ellipse: s-maj=2.2km s-min=2.2km az=100.0

WBNET 22 18:10:33.4,50.262N;12.44E,h9km,MI1.7,7C-5D, Germany

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

VIE 22 18:10:47.9±0.3,50.18N;12.46E,h3km,mb1.9/1,ml2.6/3, Error ellipse: s-maj=6.3km s-min=1.7km az=63.0 WBNET 22 18:10:47.9,50.262N;12.44E,h9km,MI2.2 BGR 22 18:10:47.4±0.2,50.262N;12.44E,h1km,1km,ML2.4/6,



22d 11pp

2013 APR

Error ellipse: s-maj=2.2km s-min=1.1km az=101.0
PRU 22 18:10:48.20.0.50'28N:12'53E,h0km, West Bohemia
Swarm-felt In As, Kraslice
CLL 22 18:10:48.10.3.50'27N:12'44E,h7km,1km,ML2.0/6
ISC 22 18:10:47.80.8.50'26N:12'45E,h0.02,1h0km,3km,
n60,c081/101,7C-SD,Germany

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, KVC Kvetna, KOCW Kopaniny, LACW Lazy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, KVC Kvetna, KOCW Kopaniny, KOCW Kvetna, LACW Lazy.

WBNET 22 18:12:15.0,50'26N:12'44E,h9km,MI0.0,5C-3D, Germany

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, STCW Studenec, VAC Vackov, WERN Wernitzgruen, etc.

BGR 22 18:12:21.40.2.50'26N:12'45E,h10km,2km,ML2.0/6, Error ellipse: s-maj=2.2km s-min=1.1km az=109.0

WBNET 22 18:12:22.0,50'26N:12'44E,h9km,MI1.3,6C-6D, CLL 22 18:12:22.0,3.50'30N:0'7.1'2E,h7km,1km,ml2.0

PRU 22 18:12:22.50.0.50'28N:12'50E,h4km, West Bohemia Swarm

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, KVC Vackov, KOCW Kopaniny, WERN Wernitzgruen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GOPC GO Pecny, Ondr, GEC2 GERRES Array S, UPC Upipe, DPC Dobruska-Polom, KRLC Kraliky.

WBNET 22 18:15:14.9,50'26N:12'44E,h9km,MI0.4,4C-4D, Germany

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, etc.

PRU 22 18:15:15.20.0.50'28N:12'49E,h1km, West Bohemia Swarm

WBNET 22 18:15:50.8,50'26N:12'44E,h9km,MI1.3,6C-6D, Germany

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, KVC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, etc.

PRU 22 18:20:13.50.0.50'29N:12'46E,h3km, West Bohemia Swarm

WBNET 22 18:20:13.2,50'26N:12'44E,h9km,MI0.0,4C-7D, Germany

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, STCW Studenec, POCW Potky, KVC Kvetna, etc.

ROM 22 18:22:04.00.1,43'40N:0'003:12'49E,e0004, h7km,ML1.8/22, Error ellipse: s-maj=0.3km s-min=0.1km az=39.0, Central Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ATFO Monte Foco - G, ATFO, ATFO, ATFO, ATFO, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MURB, ATMI, CDCA, FRON, NARO, FDMO, ATCC, MPAG, PARC, ARVD, FSSB, SNTG, ASSB, and CAFI.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like CAFI, CPGN, COR1, EL6, CING, MGAB, FDMO, ASQU, SFI, and various international stations like Tanaga, Kanaga, WAKE ISLAND, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRA, DZM, ASAR, BATI, FITZ, STKA, MJAR, KSRS, ASAJ, CMAR, SONM, MKAR, ZALV, and ILAR.

Table titled 'KRSC 22 19:14.48+10.0, 49:95N-158:03E, h48km, 10km, ML3.6, East of Kuril Islands'. Columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters.

Table titled 'PRU 22 19:20:23.9-0.0, 50:28N-12:47E, h2km, West Bohemia Swarm'. Columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters.

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

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like BIR2, JFR, CHUR, JNBK, JIAM, JAB, JEM, JEW, JKK2, JHR, ASAJ, JTKR, JAK, JKB, JOT, JRA, MJAR, KSRS, PETK, MA2, SEY, SONM, and H1N1.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H1S2 WAKE ISLAND HY 31.62 133 T, ZALV Zalesovo Beam 38.99 307 P, MKAR Makanchi Array 42.12 297 P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby 7.29 246 P, CTA Charters Tower 15.42 209 P, WRA Warramunga Arr 23.23 323 P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songino Array 53.03 3 P, MKAR Makanchi Array 55.01 343 P, ZALV Zalesovo Beam 60.98 348 P, etc.

IDC 22:19:33:09.7:3.8,6:36S:153:14E,h0km,mb3.3/3, mb1 3.6/3,mb1mx3.3/30,mbtmp3.3/3, Error ellipse: s-maj=97.3km s-min=43.2km az=106.0, New Britain region

IDC 22:19:53:25.9:1.1,25:82N:99:78E,h0km,mb3.2/4, mb1 3.4/5,mb1mx3.2/46,mbtmp3.2/5,ML3.6/1, Error ellipse: s-maj=39.3km s-min=17.6km az=81.0

IDC 22:20:20:21.7:1.5,30:45N:103:43E,h0km,mb3.3/3, mb1 3.5/4,mb1mx3.2/50,mbtmp3.3/4,ML3.4/1, Error ellipse: s-maj=69.3km s-min=26.8km az=57.0, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr 22.35 233 P, ASAR Alice Springs 24.85 226 P, CMAR Chiang Mai Arr 59.12 296 P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHTO Chiang Mai 7.07 187 P, CMMT Chiang Mai 7.07 187 P, CMAR Chiang Mai Arr 7.42 187 P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr 12.62 200 P, MKAR Makanchi Array 23.10 321 P, WRA Warramunga Arr 58.25 345 P, etc.

IDC 22:19:41:36.9:0.7,22:50S:68:48W,h108km,gkm,mb3.5/3, mb1 3.6/7,mb1mx3.4/32,mbtmp3.8/7, Error ellipse: s-maj=35.5km s-min=19.1km az=107.0

MEX 22:19:53:38.0:5.1,4:95N:93:84W,h24km,339km,MD4.0, Near coast of Chiapas

KRSC 22:20:25:24.6:10.0,49:95N:157:97E,h60km,10km,ML4.2 SKHL 22:20:25:26.1:0.8,49:67N:157:49E,h50km,mb5.1/1, MS4.3/1,MS4.1/1

GUC 22:19:41:38.4:0.5,22:44S:68:86W,h123km,3km,ML3.6, ISC 22:19:41:37.0:0.8,22:48S:68:86W,h124km,gkm, n37,r=1849/59,mb3.7/3,6C-5D,Northern Chile

IDC 22:00:54.6:0.8,24:91N:123:43E,h0km,mb3.6/9, mb1 3.7/10,mb1mx3.5/48,mbtmp3.5/10,MS3.1/6, Ms1 3.1/6,ms1mx2.8/52, Error ellipse: s-maj=31.4km s-min=16.1km az=73.0

MOS 22:20:25:27.5:1.3,49:84N:157:60E,h55km,mb3.8/1, Error ellipse: s-maj=21.1km s-min=5.0km az=85.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVC Limon Verde 0.27 240 P, LVC Limon Verde 0.27 240 P, LVC Limon Verde 0.27 240 P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCIG Comitan 2.10 51 eP, PCIG Comitan 2.10 51 eP, PCIG Comitan 2.10 51 eP, etc.

IDC 22:20:25:27.1:1.0,49:90N:157:86E,0:06,h35km,n58, c096/66,mb3.5/9, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P 0.86 321 eP, IPOC Station P 0.86 321 eP, IPOC Station P 0.86 321 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOJ Yonaguni jima 0.56 221 P, YOJ Yonaguni jima 0.56 221 P, YOJ Yonaguni jima 0.56 221 P, etc.

IDC 22:20:00:56.6:0.1,24:89N:123:38E,h25km,4km,M3.3, ISC 22:20:00:56.0:1.4,24:89N:123:41E,0:04,h11km,10km, n23,c0845/27,mb3.5/9,Southern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P 1.36 303 eP, IPOC Station P 1.36 303 eP, IPOC Station P 1.36 303 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSRK Korea Array 13.11 37 P, KSRK Korea Array 13.11 37 P, KSRK Korea Array 13.11 37 P, etc.

JMA 22:20:00:56.6:0.1,24:89N:123:38E,h25km,4km,M3.3, ISC 22:20:00:56.0:1.4,24:89N:123:41E,0:04,h11km,10km, n23,c0845/27,mb3.5/9,Southern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P 1.39 276 eP, IPOC Station P 1.39 276 eP, IPOC Station P 1.39 276 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MJAR Matsuhiro Arr 17.20 44 LR, MJAR Matsuhiro Arr 17.20 44 LR, MJAR Matsuhiro Arr 17.20 44 LR, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P 1.62 315 eP, IPOC Station P 1.62 315 eP, IPOC Station P 1.62 315 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NRIK Norik'sk 49.27 344 LR, NRIK Norik'sk 49.27 344 LR, NRIK Norik'sk 49.27 344 LR, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P 2.37 349 eP, IPOC Station P 2.37 349 eP, IPOC Station P 2.37 349 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr 16.94 185 P, WRA Warramunga Arr 16.94 185 P, WRA Warramunga Arr 16.94 185 P, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P 2.67 216 eP, IPOC Station P 2.67 216 eP, IPOC Station P 2.67 216 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr 16.94 185 P, WRA Warramunga Arr 16.94 185 P, WRA Warramunga Arr 16.94 185 P, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P 2.86 341 eP, IPOC Station P 2.86 341 eP, IPOC Station P 2.86 341 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr 16.94 185 P, WRA Warramunga Arr 16.94 185 P, WRA Warramunga Arr 16.94 185 P, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

IDC 22:19:45:02.4:8.7,6:15S:153:92E,h119km,g1km,mb3.2/4, mb1 3.4/4,mb1mx3.6/40,mbtmp3.6/74, Error ellipse: s-maj=94.0km s-min=55.3km az=111.0, New Britain region

IDC 22:20:06:25.4:1.7,2:98S:136:02E,h0km,mb3.3/2, mb1 3.5/4,mb1mx3.6/40,mbtmp3.6/4,ML3.1/2, Error ellipse: s-maj=38.6km s-min=31.3km az=81.0, Irian Jaya region

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.

PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, PAU Pauzhetka 1.70 337 eP, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MPAG Monte Paganucc, FSSB Fossombrone, etc.

IDC 22 21:28:52.0, 8.0, 28.43N, 51.63E, h0km, mb3.7/18, mb1.3/9.2, mb1mx3.7/4.0, mbtmp4.7/21, ML3.5/3, MS2.6/1, Ms1.2.6/1, ms1mx2.3/3.8, Error ellipse: s-maj=2.0, s-min=15.3km az=175.0

TEH 22 21:28:54.0, 28.40N, 51.47E, h16km, ML3.9

THR 22 21:28:55.2, 28.47N, 51.48E, h20km, ML3.6

ISC 22 21:28:56.1, 0.6, 28.38N, 0.08, 51.52E, 0.05, h24km, n59, c094/59, mb3.7/18, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GHIR Ghir-Karzin, IKAZ Kazeroun, SHI Shiraz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, CMAR Chiang Mai Arr, ESDC Sonseca Array, etc.

IDC 22 21:54:46.8, 0.5, 30.31N, 103.07E, h0km, mb4.2/29, mb1.4/3.0, mb1mx4.2/4.8, mbtmp4.2/30, ML3.9/1, MS3.8/12, Ms1.3.8/12, ms1mx3.5/4.8, Error ellipse: s-maj=13.9km s-min=10.3km az=51.0

MOS 22 21:54:48.2, 1.2, 30.31N, 103.20E, h15km, mb4.7/38, Error ellipse: s-maj=7.7km s-min=5.1km az=103.4

NEIC 22 21:54:49.4, 0.1, 30.29N, 103.16E, h10km, mb4.7/74, Error ellipse: s-maj=4.0km s-min=3.3km az=58.0

BUI 22 21:54:50.3, 30.35N, 103.00E, h19km, mb4.6/39, mb4.6/28, ML4.6/22, Ms4.3/50, Ms7.4/149

ISC 22 21:54:49.4, 0.3, 30.31N, 103.03, 103.17E, 0.03, h10km, n261, c2606/277, mb4.7/12, MS4.0/12, 9C-1D, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chengdu, Guiyang, Kunming, Lanzhou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HHC comp=Z,19nm,1.2s, HHC comp=Z,273nm,5.6s, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: RND, Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for various stations.





STNU Starunia	3.01 68 ePn	Pn	22 29 38.7 +3.7	KOME Kolasin	4.86 187 i/Pn	Pn	22 30 00.0 -0.4	KIEV Kiev	6.59 59 i/P	eS	Sn	22 31 44.1 +5.6
LIPC Lipinka	3.04 317 ePn	Pn	22 29 35.2 -0.2	KOME KOME		Sn	22 30 55.5 -0.5	KIEV Kievin Array Be	6.60 59 i/P	Pn	Pn	22 30 25.0 +0.9
MDVR Moldovita	3.06 160 i/Pn	Pn	22 29 34.3 -1.4	NVLJ Novajia	4.88 232 ePn	Pn	22 29 60.0 -0.6	AKASG comp=Z,4.1nm,0.3s,baz=240,slow=13,SNR=11				22 30 24.3 0.0
ANAC Anensky vrch	3.07 323 ePn	Pn	22 29 35.8 0.0	TRI Trieste	4.89 249 ePn	Pn	22 30 00.9 +0.1	AKASG comp=Z,7.7nm,0.3s,baz=238,slow=16,SNR=7.5				22 31 42.9 +4.1
ANAC ANAC	3.07 323 ePn	Pn	22 29 35.8 0.0	BRY Bratogost	4.93 195 ePn	Pn	22 30 00.9 +0.1	AKASG comp=Z,9.2nm,0.3s,baz=232,slow=28,SNR=6.3				22 32 23.8
HERR Herculeane	3.17 151 i/P	Pn	22 29 35.7 -1.4	BRY Bratogost	4.93 195 P	Pn	22 30 00.9 -0.6	AKASG Malin Array Be	6.60 59 i/P	Pn	Pn	22 30 25.1 +0.8
TEKS Tekeris	3.17 190 ePn	Pn	22 29 35.9 -1.3	BRY Bratogost	4.93 191 i/Pn	Pn	22 30 00.8 -0.9	AKASG comp=Z,3.0nm,0.5s		pmax		
MDB Medias	3.21 117 i/Pn	Pn	22 29 38.4 +0.7	NKY Niksic	4.95 191 ePn	Pn	22 30 57.4 -0.8	AKKB Malin Array Si	6.60 59 ePn	Pn	Pn	22 30 27.0 +2.7
ARSA Arzberg	3.25 164 i/Pn	Pn	22 29 38.1 -0.2	MPEP Malo Peshtene	4.95 149 P	Pn	22 30 00.3 -1.5	SUW Suwalki	6.61 15 ePn	Pn	Pn	22 30 25.5 +1.2
ARSA ARSA	3.25 164 i/Pn	Pn	22 29 38.1 -0.2	IAS Iasi	4.97 93 i/P	Pn	22 30 06.1 +4.2	SUW Suwalki	6.61 15 ePn	Pn	Pn	22 30 25.5 +1.2
KSV Kosov	3.28 77 ePn	Pn	22 29 38.8 +0.1	IAS Iasi	4.97 93 i/P	Pn	22 30 06.1 +4.2	BIA Bitola	6.67 119 i/Pn	Pn	Pn	22 30 26.0 +0.3
KSV KSV		Pm	22 30 05.6	NKME Niksic	5.00 191 i/Pn	Pn	22 30 01.5 -0.8	MOSI Grossmontoni	6.72 265 i/Pg	Pn	Pn	22 30 27.8 +1.8
KSV KSV		eS	22 30 21.3 +4.2	ODBI Odobesti	5.04 110 i/P	Pn	22 30 03.5 +0.6	DIM Dimitrovgrad	6.75 144 P	Pn	Pn	22 30 33.5 +7.1
LOT Lotru	3.28 131 i/P	Pn	22 30 47.8	PVY Plav	5.09 183 i/Pn	Pn	22 30 03.4 -0.2	RZN Rozhen	6.77 151 P	Pn	Pn	22 30 25.4 -1.4
LVV Lvov	3.28 48 eP	Pn	22 29 38.0 -0.9	PVY Plav	5.09 183 i/Pn	Pn	22 31 01.1 -0.6	KNT Kendrickon	6.78 163 ePn	Pn	Pn	22 30 26.2 -0.6
LVV Lvov		iS	22 29 38.8 +1.1	STON Ston	5.14 202 ePn	Pn	22 30 03.9 -0.3	KNT Kendrickon	6.78 163 ePn	Pn	Pn	22 30 26.2 -0.6
LVV Lvov		MLR	22 29 18.8 +1.7	STON Ston	5.14 202 ePn	Pn	22 31 01.5 -1.2	NVR Nevrokopi	6.83 157 P	Pn	Pn	22 30 26.4 -1.0
LVV Lvov		MLR	22 29 18.8 +1.7	WET Weitzell	5.14 289 P	Pn	22 30 04.5 +0.3	NVR Nevrokopi	6.83 157 P	Pn	Pn	22 30 26.4 -1.0
LVB Lvov	3.28 48 eS	Sn	22 30 18.8 +1.7	TREB Trebinje	5.14 196 ePn	Pn	22 30 03.7 -0.6	PSN Preselitsi	6.83 123 P	Pn	Pn	22 30 28.2 +0.8
DOB Doboj	3.31 208 ePn	Pn	22 29 36.3 +2.7	PETR Petresti	5.17 110 i/P	Pn	22 30 05.3 +0.7	JMB Jablanica	6.86 137 P	Pn	Pn	22 30 25.3 -2.0
KRLC Kraljiky	3.33 317 eP	Pn	22 29 39.7 +0.3	CEME Cervo	5.22 191 i/Pn	Pn	22 30 04.8 -0.6	FURN Ofenpass-Fuorn	6.91 265 ePn	Pn	Pn	22 30 30.4 +1.6
KRLC Kraljiky	3.33 317 ePn	Pn	22 29 39.7 +0.3	BIR Birlad	5.23 103 i/P	Pn	22 31 04.1 -0.8	FNA Florina	6.94 173 P	Pn	Pn	22 30 28.7 -0.3
KRLC Bucovina Ar. S	3.33 89 eS	Sn	22 29 38.1 -1.0	BIR Birlad	5.23 103 P	Pn	22 30 06.1 +0.7	FNA Florina	6.94 173 P	Pn	Pn	22 30 28.7 -0.3
BURAR Bucovina Array	3.34 89 i/P	Pn	22 29 39.1 -0.6	BRG Berggiesshubel	5.23 310 P	Pn	22 30 04.6 -0.9	FNA Florina	6.94 173 P	pmax	pmax	22 30 29.3 +0.3
BURAR Bucovina Array	3.34 89 P	Pn	22 29 39.1 -0.6	BRG BRG		Pn	22 31 24.2					
ZAG Zagreb	3.48 239 ePn	Pn	22 29 39.8 -1.6	BRG Berggiesshubel	5.23 310 SG	Sb	22 31 35.9 -1.4	SRS Serrai	6.97 159 ePn	Pn	Pn	22 30 27.1 -2.3
MRAK Mrakovica	3.54 222 ePn	Pn	22 29 45.2 +2.9	BRG BRG		Pn	22 31 24.2	SRS Serrai	6.97 159 P	Pn	Pn	22 30 27.1 -2.3
TREC Trest	3.57 299 eP	Pn	22 29 42.3 -0.4	BRG Berggiesshubel	5.23 310 P	MLR	22 30 04.6 -0.9	SCA Sittard/Caste	6.97 159 ePn	Pn	Pn	22 30 27.1 -2.3
TREC Trest		MLR	22 29 23.8	BRG Berggiesshubel	5.23 310 P	MLR	22 30 04.6 -0.9	KDC Kirdzhali	7.05 147 P	Pn	Pn	22 30 32.4 -1.9
TREC Trest		AMS	22 31 10.0	BRG BRG		Pn	22 31 35.9 -1.4	DAVA Damuels	7.05 271 i/Pn	Pn	Pn	22 30 30.6 0.0
DIVS Divibare	3.58 183 ePn	Pn	22 29 41.3 -1.6	BRG BRG		Pn	22 31 35.9 -1.4	DAVA Dava		eS	Sn	22 31 48.4 -1.8
BLV Banja Luka	3.63 217 i/P	Pb	22 29 42.1 -1.1	BRG BRG		Pn	22 31 35.9 -1.4	DAVA Damuels	7.05 271 i/Pn	Pn	Pn	22 30 37.0 0.0
BLV Banja Luka	3.63 217 i/P	Pb	22 29 55.7 +3.7	BRG BRG		Pn	22 31 35.9 -1.4	BERNI Berninapass	7.12 264 i/Pn	Pn	Pn	22 30 33.5 +1.9
BLV Banja Luka	3.63 217 ePn	Pn	22 29 55.7 +3.7	BRG BRG		Pn	22 31 35.9 -1.4	DAVOX Davos/Dischmat	7.13 267 Pn	Pn	Pn	22 30 32.6 +0.9
SRE Strehaia	3.64 145 i/P	Pn	22 29 44.4 +0.8	SGRR Singureni	5.27 129 i/P	Pn	22 30 05.2 -0.7	DAVOX DAVOX	7.13 267 Pn	Pn	Pn	22 31 51.4 -0.8
SRE Strehaia	3.64 145 i/P	Pn	22 29 44.4 +0.8	PDG Podgorica	5.29 188 i/P	Pn	22 30 05.8 -0.6	DAVOX DAVOX	7.13 267 Pn	Pn	Pn	22 31 51.4 -0.8
PERP Pernice	3.67 255 i/P	Pn	22 29 43.1 -1.0	PDG Podgorica	5.29 188 ePn	Pn	22 30 05.7 -0.7	DAVOX DAVOX	7.13 267 Pn	Pn	Pn	22 31 51.4 -0.8
HAPS Han Pijesak, BI	3.71 195 ePn	Pn	22 29 42.2 -2.5	TTG Trogir	5.29 188 i/Pn	Pn	22 30 05.8 -0.6	DAVOX DAVOX	7.13 267 Pn	Pn	Pn	22 31 51.4 -0.8
SOKA Soboth	3.71 256 i/P	Pn	22 29 43.7 -1.0	TTG Trogir	5.29 188 ePn	Pn	22 30 05.8 -0.6	DAVOX DAVOX	7.13 267 Pn	Pn	Pn	22 31 51.4 -0.8
SOKA SOKA		eS	22 30 27.4 -0.3	TTG Trogir	5.29 188 ePn	Pn	22 30 05.7 -0.6	DAVOX DAVOX	7.13 267 Pn	Pn	Pn	22 31 51.4 -0.8
DPC Dobruska-Polom	3.73 317 eP	Pn	22 29 45.2 +0.3	ABTA Abfaltersbach	5.37 263 i/Pn	Pn	22 30 07.8 +0.4	FASA Fasano	7.17 198 eP	Pb	Pb	22 31 09.7 +1.7
DPC Dobruska-Polom	3.73 317 eP	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SOH SOH	7.20 161 P	pmax	pmax	22 30 33.8 +1.2
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	AQU L'Aquila	7.21 225 ePn	Pn	Pn	22 30 31.7 -1.0
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	AQU L'Aquila	7.21 225 ePn	Pn	Pn	22 30 31.7 -1.0
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	NEST Nestor	7.28 175 P	Pn	Pn	22 30 32.8 -0.9
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn	Pn	22 30 07.6 +0.1	SG1 Sglogor (BA)	7.30 202 eP	Pn	Pn	22 30 35.9 +5.5
DPC Dobruska-Polom	3.73 317 ePn	Pn	22 29 45.2 +0.3	HCY Hercegov Novi	5.38 194 ePn							





22d 23h

Table with columns: PMG, WRA, ASAR, SONM. Includes station names like Warramunga Arr, Alice Springs, Songino Array and various parameters like SNR, S/N, and coordinates.

Table for WBNET 22 23:11:18.6,50:26N:12:45E, h10km, MI0.3, 2C-2D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

PRU 22 23:11:32.9,0.0,50:28N:12:47E, h2km, West Bohemia Swarm

Table for WBNET 22 23:11:32.4,50:26N:12:44E, h9km, MI1.1, 7C-5D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

PRU 22 23:11:51.9,0.0,50:28N:12:47E, h2km, West Bohemia Swarm

Table for WBNET 22 23:11:51.4,50:26N:12:44E, h9km, MI1.1, 8C-4D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

IDC 22 23:12:52.5,3.1,15:31S:173:86W, h0km, mb3.7/4, mb1.4/1.4, mb1mx3.7/22, mbtmp3.7/4, Error index: 0.3

Table for WBNET 22 23:13:29.7,50:26N:12:44E, h9km, MI1.0, 7C-5D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

KRSC 22 23:20:51.6:10.0,55:17N:162:37E, h71km, MI0.5, 5C-6D, Near east coast of Kamchatka Peninsula

Table for WBNET 22 23:20:06.8,50:26N:12:44E, h9km, MI0.0, 4C-3D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

2013 APR

Table with columns: LACW Lazy, LACW. Includes parameters like 0.24 150, Pg, Sg, and time 23 13 34.5.

WBNET 22 23:13:37.2,50:26N:12:44E, h9km, MI0.9, 7C-5D, Germany

Table for WBNET 22 23:14:07.3,50:26N:12:44E, h9km, MI1.4, 7C-5D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

PRU 22 23:14:07.7,0.0,50:28N:12:51E, h1km, West Bohemia Swarm

Table for WBNET 22 23:19:49.6,50:26N:12:44E, h9km, MI0.5, 5C-6D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

WBNET 22 23:20:06.8,50:26N:12:44E, h9km, MI0.0, 4C-3D, Germany

Table for WBNET 22 23:20:51.6:10.0,55:17N:162:37E, h71km, MI0.5, 5C-6D, Near east coast of Kamchatka Peninsula. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

WBNET 22 23:20:06.8,50:26N:12:44E, h9km, MI0.0, 4C-3D, Germany

Table for WBNET 22 23:20:06.8,50:26N:12:44E, h9km, MI0.0, 4C-3D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

KRSC 22 23:20:51.6:10.0,55:17N:162:37E, h71km, MI0.5, 5C-6D, Near east coast of Kamchatka Peninsula

Table for WBNET 22 23:20:06.8,50:26N:12:44E, h9km, MI0.0, 4C-3D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

1500

Table with columns: SMKR, BDR, SRKR, SRKR, BKRI, BKR, ESO, ESO, NLC, NLC, SDLR, SDLR, KRER, KRER, SMAR, SMAR, KRX, KRX, AVH, AVH, AVH, UGLR, UGLR, DALK, DALK, PET, PET, KRMR, KRMR, RUS, RUS, MTRV, MTRV, KDTR, KDTR. Includes station names and various parameters.

WBNET 22 23:23:09.6,50:26N:12:44E, h9km, MI0.0, 5C-2D, Germany

Table for WBNET 22 23:23:12.5,50:26N:12:44E, h9km, MI0.2, 7C-3D, Germany. Lists stations like STCW Studenec, NKCC Novy Kostel, LBCW Luby, etc.

PRU 22 23:24:05.1,0.0,50:27N:12:50E, h2km, West Bohemia Swarm

Table for WBNET 22 23:24:05.0,50:26N:12:44E, h9km, MI1.4, 12C-10D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

PRU 22 23:24:05.1,0.0,50:27N:12:50E, h2km, West Bohemia Swarm

Table for WBNET 22 23:25:45.7,50:26N:12:44E, h9km, MI0.4, 5C-7D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

WBNET 22 23:25:45.7,50:26N:12:44E, h9km, MI0.4, 5C-7D, Germany

Table for WBNET 22 23:25:45.7,50:26N:12:44E, h9km, MI0.4, 5C-7D, Germany. Lists stations like LBCW Luby, NKCC Novy Kostel, STCW Studenec, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

WBNET 22 23:26:11.2,50'26N:12'44E,h9km,M10.1,5C-5D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STCW Studenec, KVC Kvetna, KRCW Kraslice, NKC Novy Kostel, LBCW Luby, KACW Kaceov, POCW Potky, VAC Vackov, SKC Skalna, LACW Lazy, KOCW Kopaniny, ZHC Zelena Hora.

WBNET 22 23:26:23.2,50'26N:12'44E,h9km,M10.4,7C-5D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STCW Studenec, KVC Kvetna, KRCW Kraslice, NKC Novy Kostel, LBCW Luby, KACW Kaceov, POCW Potky, VAC Vackov, SKC Skalna, LACW Lazy, KOCW Kopaniny, ZHC Zelena Hora.

WBNET 22 23:26:31.5,50'26N:12'44E,h9km,M10.4,6C-6D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STCW Studenec, KVC Kvetna, KRCW Kraslice, NKC Novy Kostel, LBCW Luby, KACW Kaceov, POCW Potky, VAC Vackov, SKC Skalna, LACW Lazy, KOCW Kopaniny, ZHC Zelena Hora.

PRU 22 23:26:37.2,50'26N:12'61E,h0km,West Bohemia Swarm

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, CLL Colim, KHC Kasperske Hory, PRU Pruhonice.

WBNET 22 23:27:16.1,50'27N:12'45E,h8km,M10.3,1C-3D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, KVC Kvetna, KOCW Kopaniny, LACW Lazy, CLL Colim, KHC Kasperske Hory, PRU Pruhonice.

PRU 22 23:28:12.6,50'28N:12'51E,h1km,West Bohemia Swarm

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora, CLL Colim.

WBNET 22 23:28:12.3,50'26N:12'44E,h9km,M11.5,6C-4D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora, CLL Colim, BRG Berggiesshubel, KHC Kasperske Hory, PRU Pruhonice, PVCC Panska Ves, GOPC GO Pecny, Ondr, TREC Trest, JPC Uptice, DPC Dobruska-Polom, KRUC Moravsky, MORC Moravsky Berou.

WBNET 22 23:31:06.8,50'26N:12'44E,h9km,M10.1,8C-2D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

WBNET 22 23:31:07.5,50'26N:12'44E,h9km,M10.0,7C-2D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

WBNET 22 23:31:11.6,50'26N:12'44E,h10km,M10.2,4C-6D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

WBNET 22 23:31:14.4,50'26N:12'44E,h9km,M10.0,8C-1D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

WBNET 22 23:31:30.8,50'26N:12'44E,h9km,M10.1,6C-4D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

ATH 22 23:31:38.4,38'07N:20'77E,h16km,2km,ML1.7/2,Error ellipse: s-maj=3.4km s-min=1.2km az=219.0, Greece

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KFL Anninata, KFL Kraslice, KFL Kraslice, KFL Kraslice, VLS Valsamata, RLS Riolos of Patr, EVGI Lefkada island, EVGI Lefkada island, LKD2 LKD2, PVO Paravola, LAKA Lakka, TRIZ Trizonia.

WBNET 22 23:31:38.6,50'26N:12'44E,h9km,M10.3,6C-3D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

PRU 22 23:31:57.5,50'28N:12'48E,h2km,West Bohemia Swarm

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora, CLL Colim, KHC Kasperske Hory, PRU Pruhonice.

WBNET 22 23:32:15.6,50'26N:12'44E,h9km,M10.0,5C-3D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.

WBNET 22 23:32:55.4,50'26N:12'44E,h9km,M10.0,6C-4D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STCW Studenec, KRCW Kraslice, KRCW Kraslice, NKC Novy Kostel, LBCW Luby, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, ZHC Zelena Hora.



PRU 22 23:33:07.4:0.0,50°28'N;12°51'E,h1km,West Bohemia Swarm

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

WBNET 22 23:33:15.9,50°25'N;12°44'E,h10km,MiO.6,2C-1D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, VAC Vackov, STCW Studenec, etc.

WBNET 22 23:33:16.2,50°26'N;12°44'E,h9km,MiO.8,4C-4D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

WBNET 22 23:33:27.1,50°26'N;12°44'E,h9km,MiO.6,6C-5D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

WBNET 22 23:33:31.6,50°25'N;12°44'E,h9km,MiO.1,6C-2D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, LBCW Luby, VAC Vackov, etc.

ROM 22 23:33:35.1:0.1,43°46'N;0°00'3.12°288'E,0°00'4,h6km,Md0.93,Error ellipse: s-maj=0.4km s-min=0.1km az=30.0,Central Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like CDCA Citr' di Caste, BADI Badiali, etc.

Table with columns: BADI Badiali, ATPI Pietralunga, etc. Includes Δ°, AZ°, Phase ID, Time, Res.

WBNET 22 23:33:41.9,50°26'N;12°44'E,h10km,MiO.2,5C-3D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

WBNET 22 23:33:50.3,50°25'N;12°44'E,h9km,MiO.0,6C-6D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, LBCW Luby, VAC Vackov, etc.

WBNET 22 23:33:53.7,50°25'N;12°44'E,h9km,MiO.3,7C-4D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, LBCW Luby, VAC Vackov, etc.

WBNET 22 23:34:00.9,50°25'N;12°44'E,h9km,MiO.2,7C-5D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, LBCW Luby, VAC Vackov, etc.

WBNET 22 23:34:01.2,50°25'N;12°44'E,h9km,MiO.4,7C-5D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, LBCW Luby, VAC Vackov, etc.

WBNET 22 23:35:35.2,50°26'N;12°44'E,h9km,MiO.6,3C-2D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like KHC Kasperske Hory, PRU Pruhoalice, etc.

Table with columns: LBCW Luby, NKC Novy Kostel, VAC Vackov, etc. Includes Δ°, AZ°, Phase ID, Time, Res.

WBNET 22 23:35:49.0,50°25'N;12°45'E,h8km,MiO.0,2C-1D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like STCW Studenec, KRCW Kraslice, etc.

PRU 22 23:36:19.8:0.0,50°28'N;12°51'E,h1km,West Bohemia Swarm

WBNET 22 23:36:19.5,50°26'N;12°44'E,h9km,Mi1.5,6C-4D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

WBNET 22 23:36:16.2,50°26'N;12°44'E,h9km,MiO.8,4C-4D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

JMA 22 23:36:48.8:0.2,24°86'N;123°31'E,h26km,M3.1

IDC 22 23:36:48.4:1.5,24°80'N;123°66'E,h0km,mb3.5/5, ms1 3.5/5, mb1mx3.5/48, mbtrmp3.6/5, MS3.9/6, Ms1 3.9/6, ms1mx3.3/34, Error ellipse: s-maj=52.4km s-min=21.7km az=61.0

ISC 22 23:38:49.2:1.9,24°83'N;0°09.123°38'E,0°03,h5km,14km,n18,e1933/21,mb3.5/5,MS3.9/6,Southwestern Ryukyuu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, JYNG Yonagunijimaku, etc.

PRU 22 23:39:49.0:0.0,50°28'N;12°51'E,h0km,West Bohemia Swarm

WBNET 22 23:39:47.3,50°26'N;12°44'E,h9km,MiO.3,5C-5D, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

Table with columns: PRU, comp=Z,3.6nm,0.2s, Panska Ves, GO Pecny, Ondr, UJC Ulice, DPC Dobruska-Polom. Includes station names, codes, and coordinates.

Table for WBNET 22:23:39:48.6,50:26N:12:44E, h9km, MI1.2,7C-5D, Germany. Lists stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

Table for PRU 22:23:39:57.4-0.0,50:28N:12:47E, h2km, West Bohemia. Lists stations like LBCW Luby, NKC Novy Kostel, VAC Vackov, etc.

BJI 22:23:40:45.5,29:19S:175:58W, h6km, mb5.5/45, mB5.8/36, Ms5.1/24, Ms7.4/317, IDC 22:23:40:45.0,3,29:74S:176:07W, h0km, mb5.1/27, mb1.5, 1/28, mb1mx5.1/38, mbtmps: 1/28, ML3.5/1, MS4.3/25, MS1.4/425, ms1mx4.3/29, Error ellipse: s-maj=14.0km, s-min=11.5km az=30.0, NEIC 22:23:40:47.5,1.1,29:79S:176:23W, h13km,3km, mb5.5/259, MS5.1/280, Error ellipse: s-maj=11.5km s-min=11.2km az=200.0, MOS 22:23:40:49.4,7.1,29:78S:176:19W, h36km, mb5.6/60, MS4.9/23, Error ellipse: s-maj=25.1km s-min=6.1km az=92.2, GCMT 22:23:40:51.0,2,29:78S:176:19W, h102km, MW5.3/87, Moment Tensor Solution, s65.c113, s87.c145, Duration: 1s1, Moment tensor: Scale 1.017Nm; Mw=0.89±0.03; Mm=0.37±0.03; Ml=1.26±0.02; Mo=0.33±0.06; Mw=0.39±0.02; Mm=0.35±0.05; Best double couple: Mo1.240000×10^17 NP1=31.000000°; s58.000000°, 1-65.000000°. NP2=170.000000°; s39.000000°, 1-124.000000°. Principal axes: T 1.4230, P1g10.0000°, Azm104.00000°; N -0.3630, P1g21.00000°, Azm198.00000°; P -1.0570, P1g67.00000°, Azm349.00000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table for Kermadec Islands region. Lists stations like GLKZ Green Lake, RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

Main table for 2013 APR. Lists stations like URZ Urewera, URZ Urewera, URZ Urewera, URZ Urewera, URZ Urewera, etc. Includes codes, coordinates, and other details.

Main table for 2013 APR. Lists stations like RMQ Roma, TAU Tasmania Univ, TAU Tasmania Univ, TAU Tasmania Univ, TAU Tasmania Univ, etc. Includes codes, coordinates, and other details.

22d 23h

Table with columns for station call letters, name, frequency, and other details. Includes stations like MEEK Meekatharra, MUN Mundaring, GUMO Guam, etc.

2013 APR

Table with columns for station call letters, name, frequency, and other details. Includes stations like PLCA Paso Flores, PLCA Paso Siikita, PLCA Paso Flores, etc.

1504

Table with columns for station call letters, name, frequency, and other details. Includes stations like KS01 Wonju Array Si, LRMCM Laurel Mtn Rad, RRRX Edison Barnstow, etc.



22d 23h

Table with columns for station ID, name, coordinates, and various performance metrics (e.g., pmax, pmax, LR, LR, P, P, 23 54 10.0 +11).

2013 APR

Table with columns for station ID, name, coordinates, and various performance metrics (e.g., comp=Z,500nm,20.0s, 94.72 38 P P, 23 54 07.5 -0.5).

1506

Table with columns for station ID, name, coordinates, and various performance metrics (e.g., LPAZ La Paz, 96.83 113 eP P, 23 54 18.4 -0.7).

L40A	comp=Z,700nm,18.0s	LR	LR		
V48A	Smith Brothers	106.24	58	PFAKE	23 59 20.0 +8.7
V48A	comp=Z,1µm,20.0s	LR	LR		
USIN	University of	106.57	56	PFAKE	23 59 20.0 +8.2
USIN	comp=Z,800nm,18.0s	LR	LR		
ULM	Lac du Bonnet	106.61	41	PFAKE	23 59 20.0 +8.5
ULM	comp=Z,500nm,18.0s	LR	LR		
JFWS	Jewell Farm	106.89	50	PFAKE	23 59 20.0 +7.7
JFWS	comp=Z,500nm,18.0s	LR	LR		
L42A	Oliver, Polo	106.89	51	PFAKE	23 59 20.0 +7.7
L42A	comp=Z,500nm,18.0s	LR	LR		
E38A	The Farm, Brul	107.61	46	PFAKE	23 59 30.0 +16
E38A	comp=Z,700nm,18.0s	LR	LR		
WCI	Wyandotte Cave	107.67	56	PFAKE	23 59 30.0 +16
WCI	comp=Z,800nm,18.0s	LR	LR		
CPCT	Cooper Cave	107.82	59	PFAKE	23 59 30.0 +16
CPCT	comp=Z,600nm,18.0s	LR	LR		
BLO	Bloomington	107.89	55	PFAKE	23 59 30.0 +16
BLO	comp=Z,900nm,18.0s	LR	LR		
H41A	Junction City	107.99	49	PFAKE	23 59 30.0 +16
H41A	comp=Z,500nm,18.0s	LR	LR		
K43A	Burlington	108.08	51	PFAKE	23 59 30.0 +15
K43A	comp=Z,500nm,18.0s	LR	LR		
W52A	Murphy	108.12	60	PFAKE	23 59 30.0 +15
W52A	comp=Z,600nm,19.0s	LR	LR		
MRIV	Mauritius Mete	108.21	233	PFAKE	23 59 30.0 +14
MRIV	comp=Z,300nm,19.0s	LR	LR		
TIXI	Tiksi	108.24	344	PFAKE	23 59 30.0 +16
TIXI	comp=Z,200nm,21.0s	LR	LR		
TKL	Tuckaleechee C	108.46	59	PFAKE	23 59 30.0 +15
TKL	comp=Z,900nm,19.0s	LR	LR		
M46A	Old House Fiel	108.91	53	PFAKE	23 59 30.0 +14
M46A	comp=Z,600nm,18.0s	LR	LR		
COWI	Conover	108.93	47	PFAKE	23 59 30.0 +14
COWI	comp=Z,400nm,18.0s	LR	LR		
G42A	Mountain	109.04	48	PFAKE	23 59 30.0 +14
G42A	comp=Z,400nm,18.0s	LR	LR		
V53A	Saluda	109.18	59	PFAKE	23 59 30.0 +13
V53A	comp=Z,800nm,18.0s	LR	LR		
G43A	Wallace	109.53	49	PFAKE	23 59 30.0 +13
G43A	comp=Z,400nm,18.0s	LR	LR		
O49A	Covington	109.84	54	PFAKE	23 59 30.0 +12
O49A	comp=Z,700nm,18.0s	LR	LR		
Q51A	Peebles	110.10	56	PFAKE	23 59 30.0 +12
Q51A	comp=Z,500nm,18.0s	LR	LR		
N49A	Columbus Grove	110.23	54	PFAKE	23 59 30.0 +11
N49A	comp=Z,500nm,18.0s	LR	LR		
E43A	Lone Tree Farm	110.40	48	PFAKE	23 59 30.0 +11
E43A	comp=Z,400nm,19.0s	LR	LR		
ACSO	Alum Creek Sta	110.82	55	PFAKE	23 59 30.0 +10
ACSO	comp=Z,800nm,18.0s	LR	LR		
FCC	Fort Churchill	111.14	34	PFAKE	23 59 30.0 +10
FCC	comp=Z,400nm,20.0s	LR	LR		
M50A	Fremont	111.21	54	PFAKE	23 59 30.0 +10
M50A	comp=Z,700nm,18.0s	LR	LR		
N51A	Ashland	111.50	54	PFAKE	23 59 30.0 +9.0
N51A	comp=Z,800nm,18.0s	LR	LR		
M52A	Chesterland	112.44	54	PFAKE	23 59 30.0 +7.2
M52A	comp=Z,600nm,18.0s	LR	LR		
N53A	Lisbon	112.55	55	PFAKE	23 59 40.0 +17
N53A	comp=Z,700nm,18.0s	LR	LR		
SDD	Santo Domingo	112.70	81	PFAKE	23 59 40.0 +16
SDD	comp=Z,600nm,20.0s	LR	LR		
MCWV	Mont Chateau	112.86	56	PFAKE	23 59 40.0 +16
MCWV	comp=Z,300nm,18.0s	LR	LR		
N54A	Moraine State	113.21	55	PFAKE	23 59 40.0 +16
N54A	comp=Z,600nm,18.0s	LR	LR		
ALLY	Alegheny Colle	113.33	54	PFAKE	23 59 40.0 +16
ALLY	comp=Z,800nm,18.0s	LR	LR		
ERPA	Erie	113.60	54	PFAKE	23 59 40.0 +15
ERPA	comp=Z,600nm,18.0s	LR	LR		
M54A	Oil Creek Stat	113.62	55	PFAKE	23 59 40.0 +15
M54A	comp=Z,700nm,18.0s	LR	LR		
O56A	Blue Knob Stat	113.99	56	PFAKE	23 59 40.0 +14
O56A	comp=Z,700nm,18.0s	LR	LR		
WMQ	Urumqi	114.22	308	ePKP	23 59 26.8 +0.6
WMQ	comp=Z,210nm,24.1s	LR	LR		
WMQ	comp=Z,150nm,24.5s	LR	LR		
SSPA	Standing Stone	114.60	56	PFAKE	23 59 40.0 +13
SSPA	comp=Z,600nm,18.0s	LR	LR		
J54A	Appleton	114.91	53	PFAKE	23 59 40.0 +13
J54A	comp=Z,600nm,18.0s	LR	LR		
PAGS	Pennsylvania G	115.31	57	PFAKE	23 59 40.0 +12
PAGS	comp=Z,600nm,18.0s	LR	LR		
J55A	Hilton	115.48	53	PFAKE	23 59 40.0 +11
J55A	comp=Z,400nm,18.0s	LR	LR		
DGZ	Jazzart, Alta	116.16	314	iPKIP	23 59 29.5 -0.3
N95A	State Game Lan	116.21	56	PFAKE	23 59 40.0 +10
N95A	comp=Z,500nm,20.0s	LR	LR		
RES	Resolute Bay	116.30	17	ePKP	23 59 28.4 -0.8
RES	comp=Z,500nm,20.0s	LR	LR		
MTP	Monte Pirata	116.30	83	PFAKE	23 59 40.0 +9.2
MTP	comp=Z,100nm,19.0s	LR	LR		
KSPA	Keystone Colle	116.41	56	PFAKE	23 59 40.0 +10
KSPA	comp=Z,700nm,18.0s	LR	LR		
BINY	Binghamton	116.45	55	PFAKE	23 59 40.0 +10
BINY	comp=Z,600nm,18.0s	LR	LR		
PLVO	Plevna	116.52	51	PFAKE	23 59 40.0 +10
PLVO	comp=Z,300nm,19.0s	LR	LR		
BRNJ	Basking Ridge	117.02	57	PFAKE	23 59 40.0 +8.4
BRNJ	comp=Z,600nm,18.0s	LR	LR		
ODNJ	Ogdensburg	117.11	56	PFAKE	23 59 40.0 +8.3
ODNJ	comp=Z,500nm,18.0s	LR	LR		
LONV	Lake Ozonia	118.11	52	PFAKE	23 59 50.0 +16
LONV	comp=Z,300nm,18.0s	LR	LR		
NCB	Newcomb	118.19	53	PFAKE	23 59 50.0 +16
NCB	comp=Z,400nm,18.0s	LR	LR		
TRY	Troy	118.24	55	PFAKE	23 59 50.0 +16
TRY	comp=Z,700nm,18.0s	LR	LR		

BOSA	Boshof	118.33	201	PKP	23 59 35.1 +0.3
BOSA	comp=Z,6.1nm,0.9s,baz=169,slow=0.9,SNR=5.7	PKP	PKP		
YLE	Yale	118.38	56	PKP	00 09 54.7 +2.2
YLE	comp=Z,5.0nm,1.0s,baz=169,slow=1.0,SNR=3.9	PKP	PKP		
YLE	Yale	118.38	56	LR	23 59 50.0 +16
YLE	comp=Z,1µm,20.0s	LR	LR		
MK01	Makanchi Array	118.71	310	ePKP	23 59 34.0 -0.7
MK31	Makanchi Array	118.72	310	ePKP	23 59 34.5 -0.2
MK32	Makanchi Array	118.72	310	ePKP	23 59 34.5 -0.3
MKAR	Makanchi Array	118.72	310	PKP	23 59 34.5 -0.3
MKAR	comp=Z,9.8nm,1.0s,baz=66,slow=3.0,SNR=26	PKP	PKP		
ZAA0	Zalesovo Array	118.76	318	ePKP	23 59 33.6 -0.9
ZALV	Zalesovo Beam	118.76	318	ePKP	23 59 34.0 -0.5
ZALV	comp=Z,5.6nm,1.0s,baz=60,slow=0.9,SNR=14	PKP	PKP		
ZALV	Zalesovo Beam	118.76	318	ePKP	23 59 33.4 -1.1
ZALV	Zalesovo Beam	118.76	318	ePKIP	23 59 33.4 -1.1
ZAA1	Zalesovo Array	118.76	318	ePKP	23 59 34.0 -0.5
FRNY	Flat Rock	118.85	52	PFAKE	23 59 50.0 +15
FRNY	comp=Z,400nm,18.0s	LR	LR		
MAKZ	Makanchi	118.93	310	ePKP	23 59 34.8 -0.3
MAKZ	Makanchi	118.93	310	ePKIP	23 59 34.8 -0.3
QUAZ	Belchertown	119.06	56	PFAKE	23 59 50.0 +15
QUAZ	comp=Z,600nm,18.0s	LR	LR		
VT1	Waterbury	119.30	53	PFAKE	23 59 50.0 +14
VT1	comp=Z,500nm,18.0s	LR	LR		
HNH	Hanover	119.47	54	PFAKE	23 59 50.0 +14
HNH	comp=Z,400nm,18.0s	LR	LR		
BRYW	Bryant College	119.55	56	PFAKE	23 59 50.0 +14
BRYW	comp=Z,600nm,18.0s	LR	LR		
HRV	Adam Dzewionski	119.69	55	PFAKE	23 59 50.0 +13
HRV	comp=Z,700nm,18.0s	LR	LR		
WES	Weston	119.82	56	PFAKE	23 59 50.0 +13
WES	comp=Z,600nm,18.0s	LR	LR		
NVS	Novosibirsk	119.84	119	iPKIP	23 59 36.6 +0.1
NVS	comp=Z,14nm,1.1s	pmx	pmx		
NVS	comp=E,3.0nm,0.6s	pmx	pmx		
LBNH	Lisbon	119.85	53	PFAKE	23 59 50.0 +13
LBNH	comp=Z,500nm,18.0s	LR	LR		
FFD	Franklin Falls	119.86	54	PFAKE	23 59 50.0 +13
FFD	comp=Z,600nm,18.0s	LR	LR		
NRK	Norik	119.86	336	PKP	23 59 35.4 -0.7
NRK	comp=Z,2.0nm,0.6s,baz=32,slow=3.2,SNR=7.9	PKP	PKP		
TARG	Taragay, Kyrgy	120.61	303	ePKP	23 59 39.4 +0.4
KDJ	Kajisay	121.16	304	ePKP	23 59 40.0 +0.2
KDJ	Kajisay	121.16	304	ePKIP	23 59 40.0 +0.2
KSH	Kashi	121.41	300	PKP	23 59 41.4 +1.0
KSH	comp=Z,180nm,7.0s	LR	LR		
KSH	comp=Z,130nm,4.3s	LR	LR		
KSH	comp=Z,72nm,6.7s	LR	LR		
KSH	comp=Z,170nm,11.2s	LR	LR		
NRN	Naryn	121.85	303	ePKP	23 59 41.1 -0.2
ULHL	Ulhal	121.86	304	PKP	23 59 41.6 +0.5
ULHL	SNR=1.4	PKP	PKP		
KURK	Kurchatov	121.90	314	ePKP	23 59 40.5 -0.2
KURK	Kurchatov	121.90	314c	iPKIP	23 59 40.4 -0.2
KURK	comp=Z,44nm,1.7s	PKP	PKP		
KURK	Kurchatov	121.90	314	PKP	23 59 40.4 -0.2
KURK	SNR=9.9	PKP	PKP		
PKME	Peaks-Kenny Pk	121.91	53	PFAKE	23 59 50.0 +9.0
PKME	comp=Z,400nm,18.0s	LR	LR		
NIL	Nilore	121.94	293	ePKP	23 59 41.4 +0.1
NIL	Nilore	121.94	293	ePKIP	23 59 41.4 +0.1
MZA	Kyzart	122.54	303	P	23 59 43.3 +0.5
MZA	SNR=1.8	P	P		
PQI	Presque Isle	123.05	51	PFAKE	23 59 50.0 +6.8
PQI	comp=Z,500nm,18.0s	LR	LR		
EMMW	East Machias	123.08	54	PFAKE	00 00 00.0 +17
EMMW	comp=Z,600nm,19.0s	LR	LR		
CHMS	Chumysh	123.10	304	P	23 59 43.5 +0.2
UCH	Uchtor	123.11	303	P	23 59 44.9 +0.9
UCH	SNR=2.3	P	P		
AAL	Ala-Archa	123.21	304	P	23 59 44.3 +0.6
AAL	SNR=9.2	P	P		
AAK	Ala-Archa	123.21	304	ePKP	23 59 43.4 -0.2
AAK	Ala-Archa	123.21	304	iPKP	23 59 44.1 +0.5
AAK	Ala-Archa	123.21	304c	iPKIP	23 59 44



22d 23h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Mins, Kongsberg, Naroch, Malin Array B, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Panska Ves, Manisa, Strazhica, Piszkesteto, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Ithomi, Lac Senin/Sane, Bardonecchia, etc.

NEIC 22 23:41:56.3±0.0, 51.01N:179.43E, h36km, ML2.7(AEIC), After AEIC, Rat Islands

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GAAEA, TASE, Tanaga Falls P, etc.

WBNET 22 23:42:35.9±0.0, 50.26N:12.44E, h9km, MI0.2, 5C-4D, Germany

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LBCW, NKC, Vackov, etc.

WBNET 22 23:42:39.0±0.0, 50.25N:12.44E, h9km, MI0.4, 3C, Germany

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKC, NKC, Vackov, etc.

PRU 22 23:42:40.2±0.0, 50.26N:12.48E, h2km, West Bohemia Swarm

WBNET 22 23:42:40.0±0.0, 50.25N:12.44E, h9km, MI1.1, 8C-2D, Germany

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKC, NKC, Vackov, etc.

PRU 22 23:42:40.2±0.0, 50.27N:12.47E, h3km, West Bohemia Swarm, Germany

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKC, NKC, Vackov, etc.

WBNET 22 23:42:54.7±0.0, 50.25N:12.44E, h8km, MI0.0, 5C-2D, Germany

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKC, NKC, Vackov, etc.

PRU 22 23:43:18.8±0.0, 50.27N:12.47E, h3km, West Bohemia Swarm, Germany

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKC, NKC, Vackov, etc.

WBNET 22 23:44:10.9±0.0, 50.25N:12.45E, h9km, MI0.1, 6C-4D, Germany

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKC, NKC, Vackov, etc.

Table with columns: KVC, KVC, POCV, SKC, KRCW, KACW, ZHC, Zelena Hora. Includes values like 0.06 134, 0.07 350, 0.10 215, etc.

PRU 22 23:44:13.8:0.0, 50'28N:12'45E, h0km, West Bohemia

WBNET 22 23:44:12.8, 50'26N:12'44E, h9km, MI1.0, 11C-3D, Germany

Main table for WBNET 22 23:44:12.8, 50'26N:12'44E, h9km, MI1.0, 11C-3D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:44:19.1, 50'25N:12'44E, h9km, MI0.8, 7C-3D, Germany

Main table for WBNET 22 23:44:19.1, 50'25N:12'44E, h9km, MI0.8, 7C-3D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

PRU 22 23:44:22.0:0.0, 50'28N:12'47E, h2km, West Bohemia

Main table for PRU 22 23:44:22.0:0.0, 50'28N:12'47E, h2km, West Bohemia. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:44:31.9, 50'25N:12'44E, h9km, MI0.7, 6C-3D, Germany

Main table for WBNET 22 23:44:31.9, 50'25N:12'44E, h9km, MI0.7, 6C-3D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

PRU 22 23:44:33.2:0.0, 50'27N:12'49E, h3km, West Bohemia

WBNET 22 23:44:33.0, 50'25N:12'44E, h9km, MI1.4, 6C-4D, Germany

Main table for WBNET 22 23:44:33.0, 50'25N:12'44E, h9km, MI1.4, 6C-4D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:45:07.7, 50'25N:12'46E, h9km, MI0.1, 5C-1D, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NKC, LBCW, STCW, KVC, POCV, KRCW, SKC.

WBNET 22 23:45:17.4, 50'26N:12'44E, h9km, MI0.9, 5C-5D, Germany

Main table for WBNET 22 23:45:17.4, 50'26N:12'44E, h9km, MI0.9, 5C-5D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:45:40.5, 50'25N:12'44E, h9km, MI1.2, 7C-4D, Germany

Main table for WBNET 22 23:45:40.5, 50'25N:12'44E, h9km, MI1.2, 7C-4D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:45:43.0, 50'25N:12'44E, h10km, MI0.9, 2C, Germany

Main table for WBNET 22 23:45:43.0, 50'25N:12'44E, h10km, MI0.9, 2C, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:45:44.9, 50'25N:12'44E, h9km, MI0.9, 3C-1D, Germany

Main table for WBNET 22 23:45:44.9, 50'25N:12'44E, h9km, MI0.9, 3C-1D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:46:08.9, 50'26N:12'44E, h9km, MI0.2, 8C-4D, Germany

Main table for WBNET 22 23:46:08.9, 50'26N:12'44E, h9km, MI0.2, 8C-4D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:46:13.5, 50'26N:12'44E, h9km, MI1.4, 6C-6D, Germany

Main table for WBNET 22 23:46:13.5, 50'26N:12'44E, h9km, MI1.4, 6C-6D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: KRCW, SKC, SKC, KACW, KACW, KOCW, ZHC, ZHC, LACW, LACW. Includes values like 23 46 17.4, 0.10 211, 0.12 156, etc.

WBNET 22 23:48:58.2, 50'26N:12'44E, h9km, MI0.4, 6C-6D, Germany

Main table for WBNET 22 23:48:58.2, 50'26N:12'44E, h9km, MI0.4, 6C-6D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:49:12.5, 50'26N:12'44E, h9km, MI0.4, 5C-7D, Germany

Main table for WBNET 22 23:49:12.5, 50'26N:12'44E, h9km, MI0.4, 5C-7D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:49:39.8, 50'26N:12'44E, h9km, MI0.2, 6C-5D, Germany

Main table for WBNET 22 23:49:39.8, 50'26N:12'44E, h9km, MI0.2, 6C-5D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

PRU 22 23:49:42.4:0.0, 50'28N:12'55E, h0km, West Bohemia

WBNET 22 23:49:42.5, 50'26N:12'44E, h9km, MI0.6, 7C-4D, Germany

Main table for WBNET 22 23:49:42.5, 50'26N:12'44E, h9km, MI0.6, 7C-4D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

WBNET 22 23:54:10.9, 50'26N:12'44E, h9km, MI0.0, 6C-4D, Germany

Main table for WBNET 22 23:54:10.9, 50'26N:12'44E, h9km, MI0.0, 6C-4D, Germany. Columns: Code, Station Name, Az, Phase ID, Time, Res.

23d 0h

Table with 4 columns: Station Name, Frequency, Power, and other parameters. Includes KOCW and LACW Lazy.

IDC 22 23:54:56.5,3.2,31.68S:177.84W,h0km,mb4.1/2, mb1 4.2/3,mb1mx3.8/30,mbtmp4.0/3,ML3.2/1,MS4.1/1, Ms1 4.1/1,ms1mx3.1/27,Error ellipse: s-maj=72.7km s-min=36.9km az=114.0,Kermadec Islands region

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, NWAOW Narragin (SRO), FINES FINESS Array B.

IDC 22 23:57:15.9,2.5,6.17S:131.08E,h0km,mb3.9/1, mb1 4.0/4,mb1mx3.6/29,mbtmp3.9/4,ML3.9/3,Error ellipse: s-maj=109.0km s-min=28.1km az=79.0, Tanimbar Islands region

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

WBNET 23 00:06:33.9,50.25N:12.44E,h9km,Mi0.4,5C-6D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

PRU 23 00:07:26.1,0.0,50.26N:12.48E,h3km,West Bohemia Swam

WBNET 23 00:07:26.0,50.26N:12.44E,h9km,Mi1.2,6C-6D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy, CLL Collm, KHC Kasperske Hory, PRU Pruhonic, PVCC Panska Ves, GOPC GO Pecny, Ondr.

WBNET 23 00:07:42.2,50.26N:12.44E,h9km,Mi0.8,5C-7D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

WBNET 23 00:07:49.8,50.26N:12.44E,h9km,Mi0.5,5C-7D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov.

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Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

WBNET 23 00:08:15.0,50.26N:12.44E,h9km,Mi0.7,6C-5D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

PRU 23 00:08:24.7,0.0,50.27N:12.48E,h2km,West Bohemia Swam

WBNET 23 00:08:24.3,50.26N:12.44E,h9km,Mi1.6,7C-5D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy, CLL Collm, KHC Kasperske Hory, PRU Pruhonic, PVCC Panska Ves, GOPC GO Pecny, Ondr.

WBNET 23 00:08:33.8,50.26N:12.44E,h9km,Mi1.2,5C-7D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

PRU 23 00:09:33.7,0.0,50.25N:12.59E,h0km,West Bohemia Swam

WBNET 23 00:09:34.6,50.26N:12.44E,h9km,Mi1.5,5C-6D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny.

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Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOCW Zelena Hora, ZHC Zelena Hora, LACW Lazy, CLL Collm, KHC Kasperske Hory, PRU Pruhonic, PVCC Panska Ves, GOPC GO Pecny, Ondr.

WBNET 23 00:10:48.6,50.26N:12.44E,h9km,Mi0.4,6C-6D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

WBNET 23 00:11:01.7,50.26N:12.44E,h9km,Mi0.1,4C-6D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy.

WBNET 23 00:11:18.1,50.26N:12.44E,h9km,Mi0.0,5C-3D, Germany

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studenec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KOCW Kopaniny, ZHC Zelena Hora.

JMA 23 00:11:28.7,0.1,24.09N:121.71E,h51km,1km,M3.4 TAP 23 00:11:29.2,24.16N:121.70E,h54km,ML3.7,B ISC 23 00:11:29.8,1.2,24.17N:121.72E,0.02,h51km,5km,n112,11807/168,10C-16D,Taiwan

Table with 7 columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NACB Ninganchiao, TWD Chiawan, HWA Hwallen, ETLL Xilulin Townshill, ENA Nanau, NANB Nanao, ENLB Shoufeng, ENLB Shoufeng, NNSB Datong, NNS Nan Shan, NNS Shilin, WHF Hehuan Shan, WHF Shilin, ESL Shilin, TWC Suao, TWC Suao.

Table with columns: NDT, Datong Townshi, 0.47 336 P, Pn, 00 11 40.8 -0.1, etc. Lists various stations and their coordinates.

Table with columns: YOJ, Yonaguni jima, 1.21 76 P, Pn, 00 12 05.4 -0.5, etc. Lists various stations and their coordinates.

Table with columns: NKC, Novy Kostel, 0.01 178 P, Pg, 00 13 08.2 -0.1, etc. Lists various stations and their coordinates.

Table with columns: LACW Lazy, LACW, 0.24 151, P, S, Pg, Sg, 00 17 56.5, -0.1, 00 17 59.6, -0.2

PRU 23 00:18:04.7±0.0,50°26'N;12°52'E, h0km, West Bohemia Swarm

WBNET 23 00:18:04.2,50°26'N;12°44'E, h9km, MI1.6,7C-5D, Germany

Main table for WBNET 23 00:18:04.2,50°26'N;12°44'E, h9km, MI1.6,7C-5D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

WBNET 23 00:18:45.8,50°26'N;12°44'E, h9km, MI0.2,7C-3D, Germany

Main table for WBNET 23 00:18:45.8,50°26'N;12°44'E, h9km, MI0.2,7C-3D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

WBNET 23 00:18:51.7,50°26'N;12°44'E, h9km, MI0.4,5C-7D, Germany

Main table for WBNET 23 00:18:51.7,50°26'N;12°44'E, h9km, MI0.4,5C-7D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

WBNET 23 00:18:56.9,50°26'N;12°44'E, h9km, MI0.4,7C-5D, Germany

Main table for WBNET 23 00:18:56.9,50°26'N;12°44'E, h9km, MI0.4,7C-5D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

Table with columns: KOCW, ZHC Zelena Hora, 0.21 204, P, S, Sg, 00 19 01.9, 00 19 01.0, 00 19 03.9, 0.24 150, P, S, Sg, 00 19 01.7, 00 19 05.0

WBNET 23 00:18:57.2,50°26'N;12°44'E, h8km, MI0.2,4C, Germany

Main table for WBNET 23 00:18:57.2,50°26'N;12°44'E, h8km, MI0.2,4C, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, STCW Studenec, etc.

WBNET 23 00:21:11.6,50°26'N;12°44'E, h9km, MI0.4,8C-3D, Germany

Main table for WBNET 23 00:21:11.6,50°26'N;12°44'E, h9km, MI0.4,8C-3D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

WBNET 23 00:21:41.7,50°26'N;12°44'E, h9km, MI1.0,6C-6D, Germany

Main table for WBNET 23 00:21:41.7,50°26'N;12°44'E, h9km, MI1.0,6C-6D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

PRU 23 00:21:43.5±0.0,50°26'N;12°52'E, h1km, West Bohemia Swarm

WBNET 23 00:21:43.4,50°26'N;12°44'E, h9km, MI1.6,5C-6D, Germany

Main table for WBNET 23 00:21:43.4,50°26'N;12°44'E, h9km, MI1.6,5C-6D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

WBNET 23 00:28:15.6,50°26'N;12°44'E, h9km, MI0.7,7C-5D, Germany

Main table for WBNET 23 00:28:15.6,50°26'N;12°44'E, h9km, MI0.7,7C-5D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

WBNET 23 00:28:21.9,50°26'N;12°44'E, h9km, MI0.4,5C-6D, Germany

Main table for WBNET 23 00:28:21.9,50°26'N;12°44'E, h9km, MI0.4,5C-6D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LBCW Luby, NKCC Novy Kostel, etc.

Table with columns: LBCW Luby, LBCW Novy Kostel, 0.02 280, P, S, Sg, 00 28 23.5, 00 28 24.7, 0.03 173, P, S, Sg, 00 28 23.5, 00 28 24.6, 0.05 237, P, S, Sg, 00 28 23.7, 00 28 24.9, 0.05 93, P, S, Sg, 00 28 23.6, 00 28 24.8, 0.06 351, P, S, Sg, 00 28 24.0, 00 28 25.3, 0.07 140, P, S, Sg, 00 28 23.9, 00 28 25.2, 0.09 39, P, S, Sg, 00 28 24.1, 00 28 25.7, 0.11 209, P, S, Sg, 00 28 24.4, 00 28 26.1, 0.13 158, P, S, Sg, 00 28 24.7, 00 28 26.7, 0.13 271, P, S, Sg, 00 28 24.8, 00 28 26.8, 0.24 151, P, S, Sg, 00 28 26.7, 00 28 30.1

BGR 23 00:28:26.7±0.2,50°26'N;12°44'E, h1km, ML2.0/6, Error ellipse: s-maj=2.2km s-min=1.1km az=100.0

IPEC 23 00:28:26.8±0.1,50°26'N;12°45'E, h9km, ML1.7/4, Error ellipse: s-maj=0.8km s-min=0.5km az=44.0

CLL 23 00:28:27.4±0.3,50°30'N;08°1'2E, h8km, ML2.0, PRU 23 00:28:27.5±0.0,50°26'N;12°52'E, h0km, West Bohemia Swarm-felt In Habartov

WBNET 23 00:28:27.2,50°26'N;12°44'E, h9km, MI1.8 ISC 23 00:28:27.3±0.8,50°26'N;01°12'46E±0.02, h10km, 3km, n59, ±0.92/113,5C-7D, Germany

Main table for WBNET 23 00:28:27.2,50°26'N;12°44'E, h9km, MI1.8 ISC 23 00:28:27.3±0.8,50°26'N;01°12'46E±0.02, h10km, 3km, n59, ±0.92/113,5C-7D, Germany. Columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like NKCC Novy Kostel, LBCW Luby, etc.





Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like SG1, BAI, LJA, NVR, THAS, DRME, etc.

Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like AKAS, KSL, ELL, ELL, ELL, etc.

Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like GOPC, GOPC, BNI, BNI, BNI, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like NOBSAR Array S, KLIMOVSKOE, and various other radio stations.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like Wallace, Lac du Bonnet, Murphy Dome, and various other radio stations.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SERG, LAKA, and various other radio stations.

KRSC 23 01:21:11.6, 10.0, 56.17N, 160.90E, h172km, 10km, ML3.8
IDC 23 01:21:14.5, 2.2, 56.08N, 160.79E, h191km, 23km, mb3.1/8,
mb1 3.3/9, mb1mx3.0/4.1, mbtmp3.6/9, Error ellipse:
s-maj=21.9km s-min=17.2km az=135.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like CIRR, KLRN, KLY, and various other radio stations.

WBNET 23 01:25:49.0, 50.25N, 12.44E, h9km, M10.0, 7C-5D, Germany

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like NKC, NKC, LBCW, and various other radio stations.

WBNET 23 01:26:34.8, 50.25N, 12.44E, h9km, M10.2, 6C-5D, Germany

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like NKC, NKC, LBCW, and various other radio stations.

PRU 23 01:26:48.0, 0.0, 50.25N, 12.43E, h6km, West Bohemia



Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Vila Real, Coimbra, Ponte Nova, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ECAB, ESDC, EADA, ESPR.

ROM 23 01:58.03.2.0.0, 43:459N:0:003:12:295E:0:004, h10km, ML1.1/9, Error ellipse: s-maj=0.3km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CDCA, BADI, ATPI, ATVO, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SSFR, AML, AML.

IGQ 23 02:03:28.3:0.9, 1°S:4°8'1W±1, h20km, MLV3.6, Off coast of Ecuador

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SALI, MORR, MILO, COHC, etc.

MEX 23 02:06:47.3:0.8, 20:62N:107:17W, h5km, MD4.2, IDC 23 02:06:53.9:0.9, 18:65N:107:19W, h0km, mb4.2/11

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SPAT, BULB, BMOR, GGPC, etc.

ISC 23 02:06:55.0:0.4, 18:55N:107:21W:0:04, h10km, n544, s129/534, mb4.8/173, MS4.5/29, Off coast of Jalisco

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CJM, R15V, H06E, H06E1, etc.

23d 2h

IKP	90nm, 1.2s In-Ko-Pah, Jac baz=148, SNR=17	16.18 332	P	Pn	02 10 43.0 +0.7
Y14A	65nm, 1.1s Wickenburg	16.18 342	ePn	Pn	02 10 44.1 +0.6
X16A	64nm, 1.2s Lo Mia Camp, P	16.25 347	ePn	Pn	02 10 43.2 +0.7
SWSC	baz=150, SNR=10 Sam W. Stewart	16.28 333	P	Pn	02 10 44.5 +0.8
TASM	baz=182, SNR=27 ASL Pad, Albuq	16.35 2	P	Pn	02 10 45.8 +1.0
TASM	baz=182, SNR=27 ASL Pad, Albuq	16.35 2	P	Pn	02 10 45.5 +1.0
ANMO	0.1nm, 0.3s, baz=177, slow=13, SNR=19 Albuquerque	16.35 2	Pn	Pn	02 10 44.4 -0.4
ANMO	comp=Z, 2um, 20.4s, baz=186, slow=36 Albuquerque	16.35 2	ePn	Pn	02 10 45.9 +1.0
ANMO	baz=182 Albuquerque	16.35 2	P	Pn	02 10 45.4 +0.6
APG	0.2nm, 0.3s, baz=316, slow=14, SNR=6.0 El Apazole	16.42 100	Pn	P	02 10 47.8 -0.9
APG	comp=Z, 1um, 18.3s, baz=282, slow=38 Blythe	16.49 338	ePn	LR	02 10 48.7 +2.2
Y12C	106nm, 1.2s Blythe	16.49 338	P	Pn	02 10 47.6 +1.2
Y12C	baz=155, SNR=14 Blythe	16.49 338	P	Pn	02 10 47.6 +1.2
MONP2	baz=148, SNR=34 Monument Peak	16.51 332	P	Pn	02 10 48.7 +1.8
MYIG	151nm, 1.2s Mrida	16.62 79	ePn	P	02 10 50.1 -0.6
W18A	48nm, 1.1s Petrified Fore	16.66 353	ePn	Pn	02 10 50.4 +1.6
W18A	baz=172, SNR=7.2 Petrified Fore	16.66 353	P	Pn	02 10 49.5 +0.8
BC3	baz=152, SNR=33 Big Chuckawall	16.75 335	P	Pn	02 10 51.3 +1.4
109C	baz=146 Camp Elliot, M	16.82 330	P	Pn	02 10 51.7 +1.1
CPE	76nm, 1.3s Camp Elliot	16.82 330	ePn	Pn	02 10 48.3 -2.3
PDMC1	baz=157, SNR=18 Parker Dam, Lak	16.86 340	P	Pn	02 10 52.6 +1.4
AMTX	43nm, 1.1s Amarillo	17.00 16	ePn	P	02 10 56.1 +1.3
AMTX	baz=198 Amarillo	17.00 16	P	Pn	02 10 54.8 +1.8
IRM	baz=154, SNR=22 Iron Mountain	17.08 337	Pn	Pn	02 10 55.2 +1.2
PFO	0.3nm, 0.3s, baz=158, slow=12, SNR=62 Pinyon Flats O	17.13 333	Pn	Pn	02 10 56.5 +1.8
PFO	comp=Z, 2um, 19.7s, baz=168, slow=35 Pinyon Flats O	17.13 333	ePn	LR	02 16 51.8
PFO	194nm, 1.4s Pinyon Flats O	17.13 333	ePn	Pn	02 10 55.3 +0.6
PFO	baz=149, SNR=44 Pinyon Flats O	17.13 333	P	Pn	02 10 56.3 +1.6
BELC	baz=151, SNR=37 Belle Mtn, Jos	17.27 335	P	Pn	02 10 58.7 +0.8
WUAZ	69nm, 1.1s Wupatki	17.30 349	ePn	Pn	02 10 58.0 +1.1
WUAZ	baz=167, SNR=23 Wupatki	17.30 349	P	Pn	02 10 58.0 +1.1
NATX	216nm, 1.5s Nacogdoches	17.36 38	ePn	Pn	02 10 57.6 +0.1
NATX	baz=223, SNR=8.2 Nacogdoches	17.36 38	P	Pn	02 10 57.3 -0.2
NEE2	baz=156 Needles Airpor	17.45 339	P	P	02 11 00.2 +0.5
MURC	baz=147, SNR=13 Murrieta	17.45 331	P	Pn	02 10 59.8 +1.2
W13A	33nm, 1.3s Hualapai Mount	17.52 342	ePn	Pn	02 11 00.5 +0.9
SCI2	baz=142 San Clemente I	17.61 327	P	Pn	02 11 02.5 +0.0
WMOK	19nm, 1.0s Wichita Mouta	17.79 23	ePn	Pn	02 11 02.8 0.0
WMOK	baz=205, SNR=35 Wichita Mouta	17.79 23	Pn	Pn	02 11 02.9 +0.2
GMRC	baz=153, SNR=23 Granite Mounta	17.83 337	P	Pn	02 11 04.8 +1.4
CIS	baz=143, SNR=7.0 Catalina Islan	17.88 328	P	Pn	02 11 05.4 +0.9
BBRC	baz=149 Big Bear Solar	17.89 333	P	Pn	02 11 05.2 +1.0
LDFC	162nm, 1.2s Landfair	17.90 338	ePn	Pn	02 11 06.4 +1.6
TEIG	66nm, 1.5s Tepich	17.94 82	eP	P	02 11 06.3 +1.0
FMP	baz=144 Fort Macarthur	18.06 329	P	Pn	02 11 07.1 +1.0
BFSC	baz=147, SNR=22 Mount Baldy Ra	18.19 331	P	Pn	02 11 09.5 +1.4
SNCC	88nm, 1.3s San Nicolas Is	18.33 325	ePn	P	02 11 10.8 +1.3
SNCC	baz=140 San Nicolas Is	18.33 325	P	Pn	02 11 09.8 +0.4
MWC	185nm, 1.4s Mount Wilson	18.37 330	ePn	Pn	02 11 10.2 +0.1
U15A	67nm, 1.3s North Rim	18.37 347	ePn	Pn	02 11 11.4 +1.2
PASC	153nm, 1.5s Pasadena Art C	18.38 330	ePn	Pn	02 11 11.4 +1.3
RRX	baz=149 Edison Barstow	18.44 334	P	Pn	02 11 11.9 +1.1
TUQ	baz=153, SNR=38 Turquoise Moun	18.51 337	P	Pn	02 11 12.7 +1.0
DECC	baz=145 Green Verdugo	18.52 330	P	Pn	02 11 12.9 +1.2
MVCO	55nm, 1.5s Mesa Verde	18.63 357	eP	Pn	02 11 14.9 +1.6
MVCO	baz=176 Mesa Verde	18.63 357	P	Pn	02 11 13.6 +0.6
T25A	25nm, 1.3s Trinidad	18.68 7	eP	Pn	02 11 15.7 +1.8
T25A	baz=188 Trinidad	18.68 7	P	P	02 11 14.4 +0.9
GSC	72nm, 1.5s Goldstone, Bar	18.73 335	eP	Pn	02 11 16.1 +1.7
GSC	baz=151, SNR=14 Goldstone, Bar	18.73 335	P	Pn	02 11 14.7 +0.7
BLG	baz=143 Laguna Peak, P	18.76 328	P	P	02 11 15.1 +0.9
EDW2	baz=147, SNR=6.2 Edwards Air Fo	18.88 332	P	Pn	02 11 16.7 +1.1
SC22	baz=141 Santa Cruz Isl	18.97 327	P	P	02 11 17.2 +0.8
OSI	55nm, 1.3s Osito Audit: C	19.00 330	P	Pn	02 11 18.0 +1.1
SHOC	baz=153, SNR=10 Shoshone, Teco	19.05 337	P	P	02 11 18.6 +1.2
S22A	33nm, 1.3s 4UR Ranch, Cre	19.13 1	eP	Pn	02 11 20.9 +1.5
S22A	baz=181, SNR=16 4UR Ranch, Cre	19.13 1	P	Pn	02 11 19.8 +1.3
SDCO	39nm, 1.4s Great Sand Dun	19.19 4	eP	P	02 11 20.1 +1.0
SDCO	baz=185, SNR=8.5 Great Sand Dun	19.19 4	P	Pn	02 11 20.2 +1.0
SHPR	44nm, 1.2s Sheep Range	19.21 340	ePn	Pn	02 11 20.9 +0.6
LRMC	baz=148, SNR=6.3 Laurel Min Rad	19.25 333	P	Pn	02 11 20.3 +0.6
SBC	baz=142 Santa Barbara	19.36 327	P	P	02 11 21.3 +0.6
ARVC	baz=145 Arvin	19.47 330	P	P	02 11 22.8 +0.8
Z41A	214nm, 1.3s Richland Creek	19.53 39	eP	P	02 11 23.8 +1.2
Z41A	baz=225, SNR=14 Richland Creek	19.53 39	P	P	02 11 23.4 +0.8
WLAR	58nm, 1.1s White Oak Lake	19.66 37	eP	Pn	02 11 25.1 +1.1
MPMC	baz=150, SNR=43 Manual Prospec	19.66 335	P	Pn	02 11 25.7 +0.7
ISA	30nm, 1.1s Isabella, Lake	19.75 332	eP	Pn	02 11 27.8 +1.2
ISA	baz=147, SNR=15 Isabella, Lake	19.75 332	P	P	02 11 26.1 +1.0
PKM	baz=142, SNR=16 Mcphers Peak	19.76 328	P	P	02 11 25.8 +0.5
FURC	baz=152, SNR=23 Furnace Creek	19.77 336	P	P	02 11 25.9 +0.7
DAC	11nm, 1.3s Darwin (Calif)	19.90 335	eP	Pn	02 11 27.9 +1.1
TUL1	35nm, 1.1s Leonard	20.03 28	eP	P	02 11 28.4 +0.3

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TUL1	baz=213 Leonard	20.03 28	P	P	02 11 27.7 -0.3
MIAR	27nm, 1.4s Mount Ida	20.03 35	eP	P	02 11 27.9 -0.2
MIAR	baz=220, SNR=6.8 Mount Ida	20.03 35	P	P	02 11 26.8 -1.3
YES	baz=146, SNR=26 Vestal, Richgr	20.17 331	P	P	02 11 29.6 -0.1
SMMC	baz=218, SNR=6 Simmer	20.18 328	P	P	02 11 29.8 0.0
CWC	baz=149 Cottonwood Cre	20.24 334	P	P	02 11 30.7 +0.2
VBMS	baz=232 Vicksburg	20.28 45	eP	P	02 11 32.4 +1.6
VBMS	baz=232 Vicksburg	20.28 45	P	P	02 11 31.2 +0.4
X40A	26nm, 1.1s Basin Creek Fa	20.40 36	eP	P	02 11 32.0 -0.1
X40A	baz=222, SNR=6.7 Basin Creek Fa	20.40 36	P	P	02 11 32.0 -0.1
W39A	37nm, 1.2s Magazine	20.42 33	eP	P	02 11 32.9 +0.6
W39A	baz=219, SNR=6.1 Magazine	20.42 33	P	P	02 11 32.5 +0.2
Q24A	16nm, 1.1s Divide	20.42 5	eP	P	02 11 32.0 -0.7
Q24A	baz=186 Divide	20.42 5	P	P	02 11 33.5 +0.8
GRAC	baz=151, SNR=11 Grapevine Rang	20.43 336	P	P	02 11 33.7 +1.2
SMCO	49nm, 1.2s Snowmass	20.56 1	eP	P	02 11 35.2 +0.9
CCAR	149nm, 1.3s Cane Creek	20.60 39	eP	P	02 11 34.2 -0.1
PAGB	63nm, 1.4s Antelope Grade	20.64 329	eP	Pn	02 11 37.2 +0.2
VOG	baz=146 Valley Oaks Go	20.70 331	P	P	02 11 35.5 +0.1
ESTN	34nm, 1.4s Estel	20.76 102	eP	P	02 11 34.4 -2.0
TIN	baz=149 Tinama, Big	20.82 335	P	P	02 11 37.2 +0.4
UALR	43nm, 1.3s University of	20.88 36	eP	P	02 11 38.2 +0.9
R11A	38nm, 1.1s Troy Canyon, C	21.04 341	eP	P	02 11 39.8 +0.6
R11A	baz=157, SNR=66 Troy Canyon, C	21.04 341	P	P	02 11 39.3 +0.1
HHAR	20nm, 1.1s Hobbs	21.19 31	eP	P	02 11 35.4 -5.3
ISCO	17nm, 0.9s Idaho Springs	21.22 3	eP	P	02 11 42.0 +0.7
ISCO	baz=184, SNR=23 Idaho Springs	21.22 3	P	P	02 11 41.0 -0.3
W41B	44nm, 1.4s Gary Mavity, V	21.23 36	eP	P	02 11 37.1 -3.9
W41B	baz=222, SNR=6.1 Gary Mavity, V	21.23 36	P	P	02 11 41.1 +0.1
WHAR	53nm, 1.1s Wooly Hollow	21.29 35	eP	P	02 11 42.7 +1.0
O20A	67nm, 1.1s White River Ci	21.53 358	eP	P	02 11 45.8 +1.3
O20A	baz=215, SNR=29 White River Ci	21.53 358	P	P	02 11 43.8 -0.7
X43A	58nm, 0.9s Marvell	21.55 39	P	P	02 11 45.4 +0.9
X43A	baz=149 Marvell	21.55 39	P	P	02 11 44.8 +0.3
MLAC	21.62 334 Mammoth, Mammo	21.57 334	P	P	02 11 45.8 +0.8
OMMB	21.62 334 Old Mammoth Mi	21.62 334	eP	P	02 11 47.0 +1.4
MDPB	40nm, 1.1s Devils Postpil	21.67 334	eP	P	02 11 46.2 +2.1
U40A	40nm, 1.1s Yellville	21.80 33	P	P	02 11 46.9 -0.3
449A	baz=219, SNR=5.8 Pae	21.82 52	P	P	02 11 47.9 +0.4
NV11	2.7nm, 1.1s Mina Array Sit	21.99 337	eP	P	02 11 50.8 +1.4
NV01	baz=226, SNR=9.9 Mina Array Sit	22.04 336	eP	P	02 11 50.9 +0.8
NVAR	18nm, 1.1s, baz=155, slow=10, SNR=35 Mina Array Bea	22.04 336	P	LR	02 11 51.5 +1.4
NVAR	comp=Z, 984nm, 18.1s, baz=152, slow=35 Livingston	22.08 47	eP	P	02 11 51.6 +1.4
147A	223nm, 1.4s Livingston	22.08 47	P	P	02 11 50.7 +0.5
DUG	baz=235, SNR=9.6 Dugway, Tooele	22.11 349	eP	P	02 11 51.9 +1.3
DUG	baz=166, SNR=44 Dugway, Tooele	22.11 349	P	P	02 11 50.8 +0.1
349A	baz=239, SNR=10 Repton	22.13 51	P	P	02 11 50.7 -0.1
BRAL	261nm, 1.4s Brewton	22.15 52	eP	P	02 11 53.8 +2.8
BRAL	baz=240, SNR=9.7 Brewton	22.15 52	P	P	02 11 51.6 +0.7
U41A	baz=221 Vioia	22.27 34	P	P	02 11 52.8 +0.5
N23A	47nm, 1.0s Red Feather La	22.30 3	eP	P	02 11 53.1 +0.2
N23A	baz=183, SNR=21 Red Feather La	22.30 3	P	P	02 11 53.0 +0.2
R7N	22nm, 1.2s Ryan	22.30 336	eP	P	02 11 55.3 +2.5
450A	121nm, 1.4s Crestview	22.32 53	P	P	02 11 52.5 -0.3
HBAR	121nm, 1.4s Harrisburg	22.40 38	eP	P	02 11 55.9 +2.3
OXF	22.45 41 Oxford	22.45 41	P	P	02 11 54.3 +0.1
K5U1	baz=207 Kansas State U	22.45 22	P	P	02 11 55.0 +0.8
249A	baz=236 Camden	22.51 50	P	P	02 11 55.6 +0.8
KVN	57nm, 1.2s Katserville	22.51 337	eP	P	02 11 56.5 +1.4
148A	baz=206 Greensboro	22.55 48	P	P	02 11 56.2 +0.9
WAKR	73nm, 1.3s Walker	22.56 334	eP	P	02 11 57.3 +1.7
CMB	31nm, 1.3s Columbia Colle	22.57 332	eP	P	02 11 56

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546A	Don Dixon Farm	25.58	38	P	P	02 12 24.8 +0.6	MSO	Missoula	31nm,1.3s	28.75	350	P	P	02 12 52.8 +0.1	RKT	Rikitea	49.50	214	eT	T	03 08 48.5	
FLWY	Flagg Ranch	25.63	354	eP	P	02 12 25.8 +0.9	H04A	Detroit Lake	baz=167,SNR=18	28.91	338	eP	P	02 12 55.0 +0.8	DAWY	Dawson	50.43	342	eP	P	02 15 52.7 +0.2	
RSSD	Black Hills	25.64	5	P	P	02 12 25.6 +0.6	Q51A	Peebles	32nm,1.4s	29.07	40	P	P	02 12 55.8 +0.2	KLU	Klutina	50.76	337	eP	P	02 15 54.9 -0.2	
RSSD	Black Hills	25.64	5	P	P	02 12 25.9 +1.0	P50A	Jamestown	baz=232	29.16	39	P	P	02 12 56.7 +0.4	HARP	HAARP	51.09	338	eP	P	02 15 57.9 +0.5	
HLID	Hailey	25.67	348	eP	P	02 12 25.8 +0.6	O49A	Covington	21nm,1.3s	29.21	38	eP	P	02 12 56.5 -0.3	EGAK	Eagle	51.47	342	eP	P	02 16 01.0 +0.8	
HLID	Hailey	25.67	348	eP	P	02 12 25.6 +0.3	O49A	Covington	21nm,1.3s	29.21	38	eP	P	02 12 56.7 -0.2	EPYK	Eagle Plains	51.53	345	eP	P	02 16 01.7 +1.0	
R45A	Skyfar, Fairfi	25.68	36	P	P	02 12 25.2 +0.1	EGMT	Eagleton	baz=229	29.47	357	eP	P	02 12 59.7 +0.5	EPYK	Eagle Plains	51.53	345	P	P	02 16 01.0 +0.3	
Y52A	Libburn	25.68	49	P	P	02 12 26.1 +0.8	EGMT	Eagleton	22nm,1.1s	29.47	357	P	P	02 12 59.5 +0.4	PAX	Paxson	51.57	339	eP	P	02 16 02.4 +1.3	
O41A	Passleys Farm,	25.70	30	P	P	02 12 25.4 +0.1	P51A	Williamsport	baz=175,SNR=8.9	29.52	40	P	P	02 13 00.1 +0.5	KNK	Knik Glacier	51.66	336	eP	P	02 16 02.9 +1.1	
WVOR	Wild Horse Val	25.71	340	eP	P	02 12 25.5 -0.1	HAWA	Hanford	5.6nm,1.0s	29.57	343	eP	P	02 12 59.6 -0.3	BRLK	Bradley Lake	51.69	334	eP	P	02 16 02.5 +0.5	
Z53A	Monticello	25.75	51	P	P	02 12 25.9	0.0							02 13 00.8 +0.8	LPZA	La Paz	51.75	130	P	P	02 16 04.5 +0.8	
154A	Montrose	25.78	52	eP	P	02 12 26.6 +0.4	I42A	Draefer Farm,	baz=230	29.58	27	eP	P	02 13 00.6 +0.6	LPZA	La Paz	51.75	130	P	LR	02 36 33.3	
154A	Montrose	25.78	52	P	P	02 12 26.3 +0.1	I42A	Draefer Farm,	baz=217	29.60	38	P	P	02 13 00.5 +0.1	LPZA	La Paz	51.75	130	eP	P	02 16 05.5 +1.9	
USIN	University of	25.80	37	eP	P	02 12 27.4 +1.2	G03D	McMinnville, O	baz=148	29.76	337	P	P	02 13 02.9 +1.3	SCRK	Sand Creek	51.76	340	eP	P	02 16 03.8 +1.2	
MOD	Modoc Plateau	25.82	337	eP	P	02 12 27.5 +0.9	N49A	Columbus Grove	12nm,1.1s	29.78	37	eP	P	02 13 02.0 +0.1	SML	Sawmill	51.86	337	eP	P	02 16 04.1 +0.8	
W51A	Cleveland	25.89	46	P	P	02 12 27.7 +0.6	DGMT	Dagmar	32nm,1.4s	29.95	4	eP	P	02 13 04.0 +0.7	RIDG	Independence Rid	51.87	340	eP	P	02 16 03.9 +0.5	
H17A	Grant Village	25.93	354	eP	P	02 12 29.2 +1.5	X59A	McDuffie Farm,	baz=245	30.02	52	P	P	02 13 03.8 -0.2	GHO	Ghory Hole Cre	52.06	336	eP	P	02 16 04.5 -0.3	
H17A	Grant Village	25.93	354	P	P	02 12 28.6 +0.9	ACSO	Alum Creek Sta	baz=231	30.04	39	P	P	02 13 04.4 +0.3	PMOR	Pomariorio Ree	52.13	233	eT	T	03 12 00.1	
V50A	Pikeville	25.95	44	P	P	02 12 27.6	0.0							02 13 05.9 +0.2	DHY	Denali Highway	52.30	338	eP	P	02 16 06.4 -0.2	
T48A	Bowling Green	25.99	40	P	P	02 12 26.7 -1.3	N50A	Nevada	baz=230	30.28	38	P	P	02 13 06.6 +0.3	INK	Inuvik	52.43	348	P	P	02 16 06.5 -0.9	
S47A	Hartford	26.01	39	P	P	02 12 28.9 +0.7	F39A	Loretta	baz=212	30.45	23	P	P	02 13 07.6 -0.2	INK	Inuvik	52.43	348	eP	P	02 16 07.8 +0.5	
R46A	Gibson Southern	26.06	37	P	P	02 12 29.5 +0.9	P53A	Whipple	16nm,1.1s	30.56	42	eP	P	02 13 09.7 +0.9	SUA	Susitna One	52.58	335	eP	P	02 16 09.8 +1.1	
LKWV	Lake	26.08	355	eP	P	02 12 30.2 +1.2	P53A	Whipple	baz=234	30.56	42	P	P	02 13 08.5 -0.2	HDA	Harding Lake	53.01	340	P	P	02 16 12.1 +0.4	
Q45A	Warren Harvey,	26.17	35	P	P	02 12 30.0 +0.4	LON	Longmire	30.59	340	eP	P	02 13 10.6 +1.6	RND	Reindeer	53.03	338	eP	P	02 16 13.0 +1.0		
M04C	Macdod	26.31	335	P	P	02 12 31.7 +0.8	O52A	Adamsville	30nm,1.2s	30.66	40	P	P	02 13 09.9 -0.6	ILAR	Eielson Array	53.23	340	eP	P	02 16 12.7 -0.7	
W52A	Murphy	26.42	47	P	P	02 12 31.3 -0.7	Q54A	Cox Mills	16nm,1.1s	30.63	43	eP	P	02 13 09.5 +0.2	ILAR	Eielson Array	53.23	340	eP	LR	02 40 28.8	
QLMT	Earthquake Lak	26.44	353	eP	P	02 12 33.9 +1.6	O52A	Adamsville	baz=233	30.66	40	P	P	02 13 09.5 -0.1	ILB	Eielson Array	53.23	340	eP	P	02 16 12.9 -0.5	
JCC	Jacob Creek,	26.48	330	eP	P	02 12 32.8 +0.4	E04D	Cinebar	baz=150,SNR=7.1	30.67	339	P	P	02 13 10.0 +0.4	MCK	McKinley	53.26	338	eP	P	02 16 14.8 +1.2	
J08A	Circle Bar Ran	26.50	341	eP	P	02 12 33.1 +0.4	LTY	Liberty	32nm,1.4s	30.69	342	eP	P	02 13 10.7 +0.8	PRP	Porcupine Dome	53.30	341	eP	P	02 16 14.5 +0.5	
V51A	Loudon	26.52	45	eP	P	02 12 32.7 -0.2	R55A	Marlinton	baz=238	30.71	45	P	P	02 13 10.1 -0.1	WRH	Wood River Hil	53.43	339	eP	P	02 16 16.4 +1.6	
V51A	Loudon	26.52	45	P	P	02 12 33.0 +0.2	NEW	Newport	30.72	347	eP	P	02 13 12.1 +1.9	CCB	Clear Creek Bu	53.45	340	eP	P	02 16 15.2 +0.3		
T49A	Edmonton	26.52	41	P	P	02 12 33.3 +0.5	NEW	Newport	baz=161	30.72	347	P	P	02 13 11.0 +0.8	TRF	Thorfare Moun	53.57	338	eP	P	02 16 16.6 +0.5	
S48A	Wiedeman Farm,	26.55	40	P	P	02 12 32.9 -0.2	M50A	Fremont	baz=229	30.75	37	P	P	02 13 10.6 +0.2	POKR	Poker Plat Res	53.63	340	P	P	02 16 17.0 +0.7	
X53A	Estanollee	26.55	48	P	P	02 12 33.5 +0.4	N51A	Ashtland	35nm,1.1s	30.83	38	P	P	02 13 11.5 +0.4	BWN	Browne	53.71	339	eP	P	02 16 17.8 +0.9	
RLMT	Red Lodge	26.55	357	eP	P	02 12 33.7 +0.4	N51A	Ashtland	baz=231	30.83	38	P	P	02 13 11.5 +0.4	MDM	Murphy Dome	53.79	340	eP	P	02 16 18.3 +0.8	
RLMT	Red Lodge	26.55	357	P	P	02 12 33.5 +0.2	WALA	Watson Lakes	30.91	351	eP	P	02 13 12.4 +0.4	FYU	Fort Yukon	53.94	342	eP	P	02 16 19.3 +0.7		
RCMT	McKenzie Canyo	26.62	351	eP	P	02 12 36.0 +2.0	E03A	Lebam	58nm,1.2s	31.01	338	eP	P	02 13 14.9 +2.3	PPLA	Purkeypile	53.95	336	eP	P	02 16 19.5 +0.7	
YBH	Yreka Blue Hor	26.63	333	P	P	02 12 32.8 -1.1	D05A	Enumclaw	32nm,1.1s	31.03	340	eP	P	02 13 14.7 +1.9	BPWA	Bear Paw Mtn.	54.20	338	eP	P	02 16 20.6 +0.1	
YB7H	comp=Z,829nm,21.1s,baz=158,slow=36			LR	LR	02 22 44.2	AGMN	Agassiz Nation	31.08	15	eP	P	02 13 13.7 +0.4	CAST	Castro Rocks	54.21	337	eP	P	02 16 20.1 -0.5		
R47A	Wooly Knot Far	26.69	38	P	P	02 12 34.6 +0.3	O53A	New Philadelph	6.4nm,0.9s	31.12	40	P	P	02 13 14.5 +0.8	SVW2	Sparrevohn	54.37	333	eP	P	02 16 22.2 +0.5	
K05A	Summer Lake	26.75	337	eP	P	02 12 36.8 +1.7	P54A	Burton	baz=235	31.20	42	P	P	02 13 14.9 +0.4	MLY	Manley	54.67	339	eP	P	02 16 23.8 -0.2	
WCI	Wyandotte Cave	26.78	39	P	P	02 12 35.6 +0.5	L50A	Kingsville	baz=229	31.30	36	P	P	02 13 15.8 +0.5	PPT	Papeete	54.98	232	LR	LR	02 33 13.6	
HDIL	Hopedale	26.80	31	eP	P	02 12 35.1 -0.2	B08A	Colville Reser	29nm,1.4s	31.33	344	eP	P	02 13 15.8 +0.4	PPT2	Papeete2	54.99	232	eS	S	02 24 07.2 -2.2	
HDIL	Hopedale	26.80	31	P	P	02 12 35.3 -0.1	O54A	Avella	baz=235	31.60	41	P	P	02 13 17.9	0.0							
L04D	Klamath Falls	26.86	335	P	P	02 12 36.3 +0.3	D03D	Eldon	baz=150	31.70	339	P	P	02 13 19.9 +1.2	PPT2	Papeete2	54.99	232	eS	SS	02 27 50.2 -3.2	
T50A	Nancy	26.91	42	P	P	02 12 36.5 +0.1	H46A	Fife Lake	baz=222	31.79	31	P	P	02 13 19.8 +0.3	PPT2	Papeete2	54.99	232	eS	LR	02 32 16.8	
W53A	Cullowhee	26.99	47	P	P	02 12 37.0 -0.2	M52A	Chesterland	31.81	38	eP	P	02 13 20.1 +0.3	COLD	Coldfoot	55.85	341	eP	P	02 16 33.0 +0.7		
S49A	Springfield	27.10	40	P	P	02 12 38.5 +0.5	NLWA	Neilton Lookou	17nm,1.2s	31.84	338	eP	P	02 13 20.4 +0.4	RES	Resolute Bay	56.56	4	eP	P	02 16 36.4 -0.8	
DLMT	Dillon	27.11	352	eP	P	02 12 39.9 +1.7	J49A	Marlette	baz=227	32.00	34	P	P	02 13 21.7 +0.3	TOLK	Toolik Lake Re	56.56	343	eP	P	02 16 38.2 +0.7	
R48A	Northridge Ran	27.14	39	P	P	02 12 38.9 +0.5	EYMN	Ely	9.6nm,0.9s	32.00	20	eP	P	02 13 22.4 +1.0	TOLK	Toolik Lake Re	56.56	343	P	P	02 16 37.9 +0.4	
Q47A	Bedford North L	27.17	37	P	P	02 12 39.1 +0.4	B05A	Bryant	baz=153	32.02	341	P	P	02 13 21.9 +0.4	TBI	Tubuai	58.61	226	eS	S	02 24 55.8 -1.1	
BOZ	Bozeman (W)	27.22	353	eP	P	02 12 40.1 +0.9	M53A	W Miller and	baz=233	32.16	39	P	P	02 13 22.5 -0.4	TBI	Tubuai	58.61	226	eT	T	03 20 07.7	
BOZ	Bozeman (W)	27.22	353	P	P	02 12 39.6 +0.4	N54A	Moraine State	54nm,1.4s	32.29	40	eP	P	02 13 23.4 -0.7	ANM	Nome	59.91	335	eP	P	02 17 00.9	
GCMT	Greycliff	27.24	356	eP	P	02 12 39.2 -0.2	N54A	Moraine State	baz=234	32.29	40	P	P	02 13 23.4 +0.3	CPUP	Villa Florida	65.85	131	LR	LR	02 44 48.6	
L02E	Cave Junction	27.36	333	P	P	02 12 41.1 +0.8	O55A	Ligonier	baz=236	32.29	42	P	P	02 13 23.4 -0.7	CPUP	Villa Florida						









Table with columns: ARU, RES, YKA, ARCES, WRA, FINES, FFF, ASAR, NVAR, NB2, NOA, PDAR, AKASG, TXAR. Includes station names, coordinates, and various parameters.

SJA 23 04:59:09.5,0.6,31.51S:69.04W,h107km,3km,ML2.9, MW3.5, San Juan Province

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like RTL, SJA, RTLS, AMOG, AUSP, ACCO, ASAL, ACDD, AGUA.

SJA 23 05:04:18.4,0.5,21.63S:69.70W,h63km,3km,ML1.6, MW3.5, Northern Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like PB07, PB02, PB03, PB09, PB04, PB04, PB15, HJA, HJA.

WBNET 23 05:25:30.6,50.24N:12.45E,h9km,MIO.2,2C,Germany

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like NKC, LBCW, VAC, STCW, KVC, POCW, KRCW, KOCW.

PRU 23 05:25:42.9,0.0,50.27N:12.48E,h3km, West Bohemia Swarm

WBNET 23 05:25:42.6,50.25N:12.44E,h9km,MII.3,7C-5D,Germany

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like NKC, LBCW, VAC, STCW, KVC, POCW, KRCW, KOCW, PRU, PVCC, GOPC.

PRU 23 05:25:55.2,0.0,50.28N:12.47E,h3km, West Bohemia Swarm

WBNET 23 05:25:54.8,50.25N:12.44E,h9km,MII.0,7C-5D,Germany

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like NKC, LBCW, VAC, STCW, KVC, POCW, KRCW.

Table with columns: POCW, POCW, SKC, KRCW, KACW, KOCW, ZHC, LACW, CLL, KHC, GOPC. Includes station names, coordinates, and various parameters.

KRSC 23 05:33:42.8:10.0,49.97N:157.67E,h20km,10km,ML3.5, East of Kuril Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like SKR, PAU, ALID, KDTR, ASAK, RUS, MTRV, KRMR, DALK, UGLR, AVH, SDLR.

IDC 23 05:41:40.3,3.1,17.44S:178.50W,h663km,40km,mb3.0/6, mb1.3/4/6, mb1mx3.0/28, mbtmp4.0/6, Error ellipse: s-maj=85.5km s-min=12.2km az=156.0

IDC 23 05:41:31.1,6.1,17.2S:0.6:178.7W:0.3,h550km,n6, c195/10,mb3.4/6,Fiji Islands region

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

SOME 23 05:41:54.6,39.60N:73.28E,h25km

KRNET 23 05:41:54.4,0.1,39.70N:73.21E,h20km,mb3.0

NNC 23 05:41:56.9,1.6,39.84N:73.29E,h0km,mb3.7,mpv3.4, Error ellipse: s-maj=12.0km s-min=6.1km az=174.0

IDC 23 05:41:56.4,1.3,39.65N:0.07:73.10E:0.04,h10km,n30, c194/53,23C-7D,Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like DRK, ARSK, ARSB, BTK, ARLS, AML, UCH, NRN, KZA, EKSS, MRKS, AAK, AAK, AAK, IUG, IUG, BOOM, TKM2, TKM2, KK31, KK31, KK31, KST, KST, KST.

IDC 23 05:50:22.4,2.4,28.10S:176.72W,h0km,mb3.7/2, mb1.4/0.2, mb1mx3.7/26, mbtmp3.7/2, Error ellipse: s-maj=62.8km s-min=28.5km az=123.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like RAO, RAO, ASAR, WRA, FINES, AKASG, ILB.

ASRS 23 05:53:05.8,53.28N:91.40E,M3.7,Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + Q-R-OM, 2014), Southwestern Siberia

WBNET 23 05:55:17.8,50.25N:12.44E,h9km,MIO.2,5C-7D,Germany

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like NKC, LBCW, VAC, STCW, KVC, POCW, SKC.

Table with columns: KST, DGS, DGS, DGS, TNS, TNS, MDO, MDO, KOTS, KOTS, KOTS, KTBS, KTBS, KUU, KUU, ARXS, ARXS. Includes station names, coordinates, and various parameters.

IDC 23 05:42:49.2,1.6,44.96S:35.19E,h0km,mb4.1/7, mb1.4/1/9, mb1mx3.9/37, mbtmp4.1/9, ML4.32, MS3.5/8, Ms1.3/5/8, ms1mx3.1/4/1, Error ellipse: s-maj=63.6km s-min=17.1km az=84.0

NEIC 23 05:42:50.9,2.5,45.07S:34.76E,h9km,2km,mb4.1/5, Error ellipse: s-maj=41.2km s-min=8.9km az=88.0

IDC 23 05:42:52.1,0.8,44.99S:0.09:34.4E:0.1,h10km,n24, c2511/21,mb4.2/7,MS3.3/6,Prince Edward Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like SUR, SUR, SUR, SUR, BOSA, BOSA, LBTB, LBTB, LBTB, MATP, MATP, LSZ, LSZ, MRIV, SNA, SNA, QSPA, VNA, VNA, H10S2, H10S1, H10S3, TORD, TOA1, AKUP, SUW, ILB.

IDC 23 05:50:22.4,2.4,28.10S:176.72W,h0km,mb3.7/2, mb1.4/0.2, mb1mx3.7/26, mbtmp3.7/2, Error ellipse: s-maj=62.8km s-min=28.5km az=123.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like RAO, RAO, ASAR, WRA, FINES, AKASG, ILB.

ASRS 23 05:53:05.8,53.28N:91.40E,M3.7,Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + Q-R-OM, 2014), Southwestern Siberia

WBNET 23 05:55:17.8,50.25N:12.44E,h9km,MIO.2,5C-7D,Germany

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like NKC, LBCW, VAC, STCW, KVC, POCW, SKC.



1525 **2013 APR** 23d 6h

W57A	Gilead	59.61	347	P	P	06 30 04.9	+0.6
Y51A	Rockmart	59.62	342	P	P	06 30 04.6	+0.2
W56A	Indian Trail	59.71	347	P	P	06 30 05.3	+0.4
X53A	Estanollee	59.73	344	P	P	06 30 05.2	+0.1
SNA4	Sanae	59.80	161	P	P	06 30 06.2	+0.9
SNA4	Sanae	59.80	161	P	P	06 30 06.2	+0.9
Y50A	Piedmont	59.81	342	P	P	06 30 05.4	-0.2
VBMS	Vicksburg	59.83	337	P	P	06 30 05.7	-0.1
V59A	Middlesex	59.87	349	P	P	06 30 06.6	+0.5
KM5C	Kings Mountain	59.88	346	P	P	06 30 06.8	+0.7
Y49A	Blount Mountai	59.97	341	P	P	06 30 06.7	-0.2
X52A	Dahlonoga	59.98	344	P	P	06 30 07.0	+0.2
W54A	Cherokee Point	60.02	345	P	P	06 30 07.9	+0.8
X51A	Calhoun	60.20	343	P	P	06 30 08.5	+0.2
Y48A	Jasper	60.26	340	P	P	06 30 08.9	+0.2
V57A	Coltrane Farms	60.27	348	P	P	06 30 09.0	+0.2
X50B	Fort Payne	60.32	342	P	P	06 30 09.0	-0.2
833A	Chaparral WMA,	60.33	327	eP	P	06 30 10.6	+1.2
833A	Chaparral WMA,	60.33	327	P	P	06 30 08.7	-0.6
W53A	Cullowhee	60.33	345	P	P	06 30 09.5	+0.2
V56A	Mocksville	60.34	347	eP	P	06 30 10.2	+1.0
V56A	Mocksville	60.34	347	P	P	06 30 09.7	+0.4
U59A	Littleton	60.37	350	P	P	06 30 09.7	+0.3
V55A	Taylorsville	60.53	346	P	P	06 30 11.4	+0.8
X49A	Woodville	60.56	341	P	P	06 30 10.6	-0.1
V54A	Nebo	60.62	346	P	P	06 30 12.1	+0.9
X48A	Hartselle	60.72	341	eP	P	06 30 12.0	+0.2
X48A	Hartselle	60.72	341	P	P	06 30 11.8	0.0
W51A	Cleveland	60.73	343	P	P	06 30 12.4	+0.5
W50A	Signal Mountai	60.92	343	P	P	06 30 13.5	+0.3
ETX04	Route FM415 ne	61.02	333	eP	P	06 30 15.8	+1.9
X47A	Russelville	61.03	340	P	P	06 30 14.0	+0.1
V52A	Sevierville	61.08	344	P	P	06 30 14.2	0.0
T58A	Grand View Acr	61.08	349	P	P	06 30 14.0	-0.1
SWET	Sewanee	61.10	342	eP	P	06 30 14.6	+0.1
W49A	Belvidere	61.11	342	P	P	06 30 13.9	-0.6
X46A	Booneville	61.29	339	P	P	06 30 15.4	-0.2
V50A	Pikeville	61.30	343	P	P	06 30 15.8	0.0
U54A	Nelsons Funny	61.31	346	P	P	06 30 16.4	+0.5
W48A	Pulaski	61.32	341	P	P	06 30 15.8	-0.1
T56A	Rocky Mt	61.43	348	P	P	06 30 17.4	+0.9
OXF	Oxford	61.52	339	P	P	06 30 16.6	-0.6
V49A	McMinnville	61.61	342	P	P	06 30 17.4	-0.4
W47A	Westpoint	61.62	341	P	P	06 30 17.8	-0.1
T55A	Pulaski	61.66	347	P	P	06 30 19.2	+1.0
V48A	Smith Brothers	61.85	342	P	P	06 30 19.4	0.0
T53A	Wise	61.91	346	P	P	06 30 20.2	+0.3
U50A	Jamestown	61.94	343	P	P	06 30 19.9	-0.1
X43A	Marvell	62.03	338	P	P	06 30 21.1	+0.6
WLAR	White Oak Lake	62.11	335	eP	P	06 30 22.6	+1.4
V47A	Nunnely	62.14	341	P	P	06 30 20.5	-0.8
T51A	Gray	62.23	344	P	P	06 30 21.7	-0.2
S55A	Lewisburg	62.24	348	P	P	06 30 22.4	+0.4
U49A	Red Boiling Sp	62.28	343	P	P	06 30 21.5	-0.8
V46A	Holladay	62.29	340	P	P	06 30 21.8	-0.5
JCT	Junction City	62.30	328	eP	P	06 30 23.5	+1.0
JCT	Junction City	62.30	328	P	P	06 30 23.1	+0.6
WHTX	Lake Whitney,	62.46	331	P	P	06 30 24.1	+0.6
T50A	Nancy	62.51	344	P	P	06 30 23.1	-0.6
WVT	Waverly	62.51	341	eP	P	06 30 23.2	-0.6
WVT	Waverly	62.51	341	P	P	06 30 23.3	-0.4
HPIG		62.64	321	eP	P	06 30 26.0	+0.9
U47A	Clarksville	62.64	341	P	P	06 30 23.9	-0.6
X40A	Basin Creek Fa	62.72	336	P	P	06 30 25.5	+0.4
R54A	Victor	62.73	347	P	P	06 30 25.5	+0.3
T49A	Edmonton	62.77	343	P	P	06 30 24.7	-0.7
S51A	Beattyville	62.78	345	P	P	06 30 24.9	-0.6
U46A	Springville	62.83	341	P	P	06 30 25.6	-0.2
T48A	Bowling Green	63.01	342	P	P	06 30 26.9	-0.1
S50A	Richmond	63.02	344	P	P	06 30 27.3	+0.2
MIAR	Mount Ida	63.05	335	eP	P	06 30 27.9	+0.5
MIAR	Mount Ida	63.05	335	P	P	06 30 27.4	0.0
T47A	Sharon Grove	63.09	342	eP	P	06 30 27.3	-0.3
T47A	Sharon Grove	63.09	342	P	P	06 30 27.3	-0.3
Q55A	Buckhannon	63.35	348	P	P	06 30 29.5	+0.3
LTXA	Lajitas	63.37	324	eP	P	06 30 30.5	+0.8
LTXA	Lajitas Array	63.37	324	P	P	06 30 30.5	+0.8
TX31	Lajitas Ar. Si	63.37	324	eP	P	06 30 30.4	+0.7
TX31	Lajitas Ar. Si	63.37	324	P	P	06 30 30.9	+1.2
T46A	Princeton	63.37	341	P	P	06 30 29.6	+0.2
R51A	Hillsboro	63.41	345	P	P	06 30 29.6	0.0
Q54A	Coxs Mills	63.48	348	P	P	06 30 29.9	-0.1
Q53A	Leroy	63.49	347	P	P	06 30 31.1	+0.9
S47A	Hartford	63.59	342	P	P	06 30 30.5	-0.4
PARMO	Parma	63.60	339	eP	P	06 30 30.6	-0.3
W39A	Magazine	63.70	335	P	P	06 30 32.1	+0.5

Q52A	Bidwell	63.75	347	P	P	06 30 32.2	+0.3
R49A	Shelbyville	63.79	344	P	P	06 30 32.4	+0.3
PBMO	Poplar Bluff	63.93	339	eP	P	06 30 33.3	+0.2
MCWV	Mont Chateau	63.95	349	P	P	06 30 34.0	+0.9
ABTX	Ablene, Hawle	63.99	329	P	P	06 30 34.5	+0.9
P54A	Burton	64.01	348	P	P	06 30 34.7	+1.2
Q50A	Georgetown	64.02	345	P	P	06 30 33.8	+0.2
WCJ	Wyandotte Cave	64.03	343	P	P	06 30 32.9	-0.7
U41A	Viola	64.04	338	P	P	06 30 33.7	-0.1
Q51A	Peables	64.05	346	P	P	06 30 33.4	-0.4
P53A	Whipple	64.07	347	P	P	06 30 34.5	+0.6
R48A	Northridge Ran	64.08	343	P	P	06 30 34.1	+0.1
R47A	Wooly Knot Far	64.15	343	P	P	06 30 33.8	-0.7
O56A	Blue Knob Stat	64.32	350	P	P	06 30 36.0	+0.4
P52A	Corning	64.37	347	P	P	06 30 35.7	-0.1
O55A	Ligonier	64.39	349	P	P	06 30 36.8	+0.8
U40A	Yellville	64.39	337	P	P	06 30 36.2	+0.2
S44A	Carbondale	64.39	340	P	P	06 30 35.8	-0.2
PAL	Palisades	64.45	354	P	P	06 30 34.9	-1.4
Q48A	North Vernon	64.54	344	P	P	06 30 36.5	-0.5
O54A	Avoca	64.55	348	P	P	06 30 37.6	+0.6
SSPA	Standing Stone	64.58	351	P	P	06 30 37.7	+0.5
R45A	Skylar, Fairri	64.65	341	P	P	06 30 37.5	-0.2
P50A	Jamestown	64.71	345	P	P	06 30 38.1	0.0
HHAR	Hobbs	64.72	336	eP	P	06 30 38.6	+0.4
O52A	Adamsville	64.77	347	P	P	06 30 38.3	-0.1
R44A	Waltonville	64.84	341	P	P	06 30 38.4	-0.5
P49A	Albany Univ. Ec	64.86	345	P	P	06 30 38.5	-0.5
N55A	Marion Center	64.89	350	P	P	06 30 39.9	+0.7
O51A	Patskalaka	64.96	347	P	P	06 30 39.4	-0.2
P48A	Milroy	64.96	344	P	P	06 30 38.9	-0.8
FVM	French Village	65.02	339	eP	P	06 30 40.1	0.0
S41A	Jilco Farms	65.10	338	P	P	06 30 40.6	0.0
TUL1	Leonard	65.11	334	eP	P	06 30 40.4	-0.3
TUL1	Leonard	65.11	334	P	P	06 30 41.0	+0.3
ACSO	Alum Creek Sta	65.12	346	P	P	06 30 40.8	+0.1
Q45A	Warren Harvey,	65.17	342	P	P	06 30 40.4	-0.6
P47A	Martinsville	65.20	343	P	P	06 30 40.8	-0.5
N54A	Moore State	65.24	349	P	P	06 30 42.1	+0.7
N53A	Lisbon	65.24	348	P	P	06 30 41.8	+0.4
CCM	Cathedral Cave	65.36	339	eP	P	06 30 42.0	-0.2
CCM	Cathedral Cave	65.36	339	P	P	06 30 42.4	+0.1
WMOK	Wichita Mounta	65.37	331	P	P	06 30 42.3	-0.2
M55A	Ridgway	65.53	350	P	P	06 30 43.4	+0.1
R41A	Rosebud	65.62	339	P	P	06 30 43.7	-0.2
P45A	Graceland, Par	65.64	342	P	P	06 30 43.3	-0.7
O48A	Farmland	65.65	345	P	P	06 30 43.4	-0.7
N51A	Ashland	65.65	347	P	P	06 30 43.7	-0.4
N50A	Nevada	65.67	346	P	P	06 30 43.6	-0.7
M54A	Oil Creek Stat	65.71	349	P	P	06 30 45.3	+0.7
BINY	Binghamton	65.86	352	eP	P	06 30 46.2	+0.9
BINY	Binghamton	65.86	352	P	P	06 30 45.9	+0.5
Q42A	Golden Eagle	65.91	340	P	P	06 30 45.6	-0.2
N49A	Columbus Grove	66.05	346	P	P	06 30 46.5	-0.1
MNTX	Cornudas Mount	66.13	324	eP	P	06 30 47.5	+0.1
MNTX	Cornudas Mount	66.13	324	P	P	06 30 47.7	+0.3
L55A	Hinsdale	66.17	351	P	P	06 30 47.9	+0.4
N48A	Decatur	66.19	345	P	P	06 30 47.7	+0.2
M50A	Fremont	66.26	347	P	P	06 30 48.2	+0.3
SFIN	Lafayette	66.26	343	P	P	06 30 47.0	-0.9
ERPA	Erie	66.36	349	P	P	06 30 48.8	+0.3
L54A	Sinclairville	66.36	350	P	P	06 30 49.0	+0.4
N47A	Urbana	66.37	344	P	P	06 30 48.5	-0.1
MSTX	Muleshoe	66.59	328	P	P	06 30 50.8	+0.4
K55A	Perry	66.65	351	P	P	06 30 51.0	+0.6
O42A	Bath	66.94	341	P	P	06 30 52.0	-0.3
HDIL	Hopedale	67.04	341	P	P	06 30 52.4	-0.5
TYNO	Tyneside	67.29	350	P	P	06 30 54.5	+0.1
DBIC	Dimbokro	67.38	72	P	P	06 30 55.1	-0.5
DBIC	Dimbokro	67.38	72	eP	P	06 30 55.1	-0.5
J52A	Paris	67.54	349	P	P	06 30 56.1	+0.2
L46A	Eue Claire	67.59	344	P	P	06 30 56.1	-0.2
PECO	Prince Edward	67.69	352	P	P	06 30 57.4	+0.5
M43A	Waltham Townsh	67.75	342	P	P	06 30 57.3	0.0
K48A	Perry	67.83	346	P	P	06 30 57.9	+0.1
DRWO	Darlington Wes	67.87	351	P	P	06 30 58.0	0.0
DRCO	St. Marys Ceme	67.87	351	P	P	06 30 58.1	+0.1
WLVO	Wesleyville	67.87	351	P	P	06 30 58.2	+0.2
K47A	Vermontville	67.90	346	P	P	06 30 57.2	-1.0
I53A	Kortright Cn E	67.96	350	P	P	06 30 58.6	+0.1
PKRO	Pickering	68.01	350	P	P	06 30 59.5	+0.6
N40A	Merquaque, Sal	68.03	340	P	P	06 30 58.9	-0.2
319A	Douglas	68.05	321	eP	P	06 31 01.9	+2.4
I55A	Frankford	68.06	352	P	P	06 30 59.8	+0.7
121A	Cookes Peak, D	68.08	323	P	P	06 31 02.0	+2





Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like HATJ Hateruma jima, HATJ HATJ, HATJ Ishigakijimahi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KMRS Kahramanmaras, KMRS KMRS, KMRS Aykinkavak, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BOOM Boomskeye usch, BOOM baz=36, IZV IZV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JMA 23 06:38:07.8, JMA 23 06:38:07.8, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WBNET 23 07:00:14.3, WBNET 23 07:00:14.3, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MDOK MDOK, MDOK MDOK, MDOK MDOK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like HCB Kahramanmara, HCB HCB, GAZ Gaziantep, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WBNET 23 07:00:15.2, WBNET 23 07:00:15.2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AAK AAK, AAK AAK, AAK AAK, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WBNET 23 07:00:28.4, WBNET 23 07:00:28.4, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KTBS Karatobe, KTBS Karatobe, EKS2 EKS2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRAB Warramunga Arr, WRAB WRAB, WR1 Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KRNET 23 07:03:50.4, KRNET 23 07:03:50.4, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MRKS Karatobe, MRKS Karatobe, ARXS Arharly, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like GAZ Gaziantep, GAZ GAZ, HCB Kahramanmara, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KZA Kyzart, KZA Kyzart, KZA Kyzart, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like IDC 23 07:10:53.1, IDC 23 07:10:53.1, etc.

Table with columns: DZM, Mont Dzumac, 4.94 189 Pn, Pn, 07 12 07.6 -1.1, 0.4nm, 0.3s, baz=296, slow=20, SNR=6.4

IDC 23 07:14:07.2.2.1.6.50S.152.62E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.4/33, mbtmp3.5/5, ML1.9/1, MS3.6/1, Ms1 3.5/1, ms1mx2.5/18, Error ellipse: s-maj=112.6km, s-min=26.5km az=134.0, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 07:14:37.6.1.1.30.00N:102.67E, h0km, mb3.6/6, mb1 3.7/7, mb1mx3.5/41, mbtmp3.6/7, ML3.4/1, Error ellipse: s-maj=39.9km s-min=20.0km az=61.6

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

GRAL 23 07:32:36.6.2.0.34.34N:34.65E, h14km, 8km, MD3.1, GII 23 07:32:40.8.0.0.34.01N:34.88E, h11km, MD1.75

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

ASRS 23 07:43:24.6.53.81N:91.05E, M3.3, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 07:43:30.4.3.1.53.69N:90.61E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=26.0km s-min=22.2km az=165.0, Suspected Mining explosion

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 07:43:30.5.4.1.53.70N:90.49E, h0km, mb1 3.4/4, mb1mx3.2/51, mbtmp3.4/4, ML2.9/4, Error ellipse: s-maj=47.4km s-min=21.9km az=51.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 07:43:30.5.4.1.53.70N:90.62E, h0km, n9, s15/13, 3C-6D, Southwestern Siberia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

SJA 23 07:47:46.0.0.4.21.28S:66.56W, h229km, 6km, ML2.6, MW3.6, Southern Bolivia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

ISK 23 07:49:26.9.37.41N:37.25E, h10km, ML1.9/4, DDA 23 07:49:28.9.37.32N:37.11E, h6km, 1km, ML2.6

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

ISK 23 07:49:29.4.1.0.37.31N:04.37E, h10km, 0.04, h9km, 0.6km, n13, c0955/17, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:01:22.3.1.5.39.39N:48.64E, h0km, mb3.8/6, mb1 3.9/9, mb1mx3.6/38, mbtmp3.9/9, ML4.1/3, MS2.3/2, Ms1 2.3/2, ms1mx2.1/46, Error ellipse: s-maj=27.3km s-min=14.4km az=168.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

ISK 23 08:01:33.4.4.3.39.75N:49.75E, h0km, mb3.8, Error ellipse: s-maj=45.5km s-min=20.4km az=50.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

ISK 23 08:01:26.3.0.9.39.10N:02.48E, h36km, 1km, n120, s184/143, mb3.7/6, 33C-24D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

GOBA Gobu, 1.53 32 ePn, Pn, 08 01 53.8 +2.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

KRAR 23 08:08:42.8.0.1.53.59N:91.42E, M2.8, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: SEKA, Sheki, SNR=17, 2.40 332 Pn, Pn, 08 02 03.0 -0.1

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

IDC 23 08:08:40.2.5.4.53.38N:90.76E, h0km, mb1 2.9/3, mb1mx2.9/39, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=57.6km s-min=29.1km az=52.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase, Op, ISC, Time, Res, h, m, s, ISC

WBNET 23 08:09:28.8, 50:26N, 12:44E, h9km, M10.1, 6C-5D, Germany. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

PRU 23 08:10:10.9, 0.0, 50:27N, 12:52E, h3km, West Bohemia Swarm

WBNET 23 08:10:11.0, 50:25N, 12:44E, h10km, M10.4, 3C-7D, Germany. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

MEX 23 08:29:43.0, 6.16, 16:31N, 98:20W, h12km, 2km, MD3.9, Near coast of Guerrero

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

IDC 23 08:35:58.4, 1.8, 33:47N, 90:80E, h0km, mb3.4/5, mb1 3.7/8, mb1mx3.5/3.3, mbtmp3.5/8, MS3.7/3, Error ellipse: s-maj=73.5km s-min=21.2km az=72.0

ISC 23 08:36:03.8, 0.8, 33:53N, 0:10, 90:8E, 0.1, h35km, n15, az=112/15, mb3.5/4, Qinghai

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

IDC 23 08:48:38.2, 1.6, 2.41N, 126:46E, h0km, mb3.7/5, mb1 3.0/5, mb1mx2.8/5.8, mbtmp3.4/5, MS3.0/2, MS1 3.0/2, ms1mx2.4/20, Error ellipse: s-maj=175.5km s-min=18.9km az=65.0, Northern Molouca Sea

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

IDC 23 08:51:46.0, 6.8, 37:05N, 70:74E, h168km, 44km, mb2.9/2, mb1 3.0/5, mb1mx2.8/5.8, mbtmp3.4/5, MS3.0/2, MS1 3.0/2, ms1mx2.4/20, Error ellipse: s-maj=128.3km s-min=3.7km az=137.0

NNC 23 08:51:47.6, 3.0, 36:93N, 71:18E, h130km, 76km, mb2.8, mb3.6, Error ellipse: s-maj=32.6km s-min=24.1km az=140.0

ISC 23 08:51:42.0, 1.4, 36:61N, 0:09, 71:2E, 0.1, h150km, n17, az=219/18, 5D, Afghanistan-Tajikistan border region

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

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

MOS 23 08:55:04.9, 0.7, 51:37N, 175:91W, h28km, mb4.8/31, Error ellipse: s-maj=8.8km s-min=7.5km az=96.5

NEIC 23 08:55:06.2, 0.0, 51:29N, 175:86W, h26km, mb4.5/86, ML4.5(AEIC), After AEIC

IDC 23 08:55:07.2, 2.1, 51:46N, 175:98W, h32km, 15km, mb4.0/30, mb1 4.1/31, mb1mx4.0/7.7, mbtmp4.2/31, ML2.5/1, MS3.7/31, MS3 3.7/31, ms1mx2.6/51, Error ellipse: s-maj=17.6km s-min=9.4km az=100.0

ISC 23 08:55:08.2, 1.0, 51:39N, 0:07, 175:93W, 0:03, h40km, 7km, n266, az=191/266, mb4.6/100, MS3.8/37, 7C-8D, Andreanof Islands

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

PETK comp=Z, 375nm, 21.5s, baz=96, slow=56, LR

PPLA Purkeypile 17.15 39 eP Pn 09 04 04.8 +1.0

CAST Castle Rocks 17.47 37 eP Pn 09 05 08.9 +0.4

KNK Knik Glacier 18.07 46 eP Pn 09 05 15.2 -0.6

TRF Thorofare Moun 18.18 39 eP Pn 09 05 17.7 +0.4

BPWF Paw Mtn. 18.25 36 eP Pn 09 05 18.7 +0.7

RND Reindeer 18.72 40 eP Pn 09 05 23.1 0.0

RND Reindeer 18.72 40 eP Pn 09 05 23.1 0.0

BILL Bilibino 18.82 339 eP Pn 09 05 24.7 -0.2

BILL Bilibino 18.82 339 eP Pn 09 05 25.5 +0.6

BILL comp=Z, 28nm, 1.2s MLR MFR

MCK McKinley 18.84 39 eP Pn 09 05 24.5 +0.1

MCK McKinley 18.84 39 eP Pn 09 05 24.5 +0.1

MCK McKinley 18.84 39 eP Pn 09 05 24.5 +0.1

DHY Dertel Highway 19.18 41 eP Pn 09 05 28.2 -0.1

WRH Wood River Hill 19.53 37 eP Pn 09 05 30.9 -0.9

MDM Murphy Dome 19.72 36 eP Pn 09 05 33.4 -0.5

CCB Clear Creek Bu 19.72 37 eP Pn 09 05 33.2 -0.7

COLA College 19.81 36 eP Pn 09 05 35.8 +0.9

HARP HAARP 19.88 44 eP Pn 09 05 35.9 +0.1

HDA Harding Lake 19.93 38 eP Pn 09 05 35.8 -0.5

PAX Paxson 19.94 43 eP Pn 09 05 36.9 +0.5

PAX Paxson 19.94 43 eP Pn 09 05 36.9 +0.5

ILAR Eielson Array 20.13 37 P 09 05 36.5 -1.8

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

INK comp=Z, 0.9nm, 0.5s, baz=313, slow=5.7, SNR=8.0

INK Inuvik 26.43 34 eP P 09 05 08.9 +0.5

DLBC Dease Lake 26.85 57 P 09 00 45.7 +1.0

DLBC comp=Z, 0.9nm, 0.8s, baz=313, slow=7.3, SNR=5.1

DLBC comp=Z, 2.15nm, 18.9s, baz=314, slow=38

DLBC Dease Lake 26.85 57 eP P 09 00 44.9 +0.2

YSS Yuzh-Sakhalins 27.11 277 eP Pmax 09 00 48.4 +1.4

ASAJ Asahikawa 28.51 272 P 09 00 58.3 -1.2

ASAJ comp=Z, 0.9nm, 1.0s, baz=302, slow=10, SNR=4.0

ASAJ Asahikawa 28.51 272 P 09 00 58.3 -1.2

BBB Bella Bella 29.17 69 LR 09 01 31.1

TIXI Tikisi 31.52 30 LR 09 14 51.0

TEY Ternei 31.80 277 eP P 09 01 28.8 +0.2

KLR Kuldur 32.90 287 P 09 01 38.4 +0.1

KLR comp=Z, 2.8nm, 0.4s, baz=66, slow=8.3, SNR=14.0

KLR Kuldur 32.90 287 eP P 09 01 37.9 -0.3

YKA Yellowknife Ar 33.91 47 P 09 01 46.9 +0.1

YKA comp=Z, 0.5nm, 0.5s, baz=286, slow=7.3, SNR=19

YKA comp=Z, 0.5nm, 0.4s, baz=282, slow=8.6, SNR=15.8

YKA comp=Z, 0.4nm, 0.3s, baz=284, slow=2.7, SNR=10

YKA comp=Z, 0.3nm, 0.7s, baz=290, slow=3.2, SNR=4.3

YKB5 Yellowknife Ar 33.91 47 eP T 09 01 46.4 -0.5

H1N2 WAKE ISLAND Hy 34.37 210 T 09 38 30.1

H1N3 WAKE ISLAND Hy 34.37 210 T 09 38 30.1

H1N1 WAKE ISLAND Hy 34.38 210 T 09 38 32.4

USRK WAKE ISLAND Hy 34.38 210 T 09 01 57.0 -0.1

USRK comp=Z, 6.2nm, 0.9s, baz=51, slow=9.5, SNR=7.2

USRK comp=Z, 145nm, 20.8s, baz=23, slow=35

MAJO Matushiro 35.57 264 eP P 09 02 01.6 +0.1

MAJO Matushiro 35.57 264 eP P 09 02 02.1 +0.7

MAJO comp=Z, 5.0nm, 0.9s, baz=50, slow=7.6, SNR=14

H1S1 WAKE ISLAND Hy 35.58 209 T 09 40 01.1

H1S2 WAKE ISLAND Hy 35.59 209 T 09 39 54.2

H1S3 WAKE ISLAND Hy 35.59 209 T 09 39 57.7

B08A Colville Reser 35.83 72 eP P 09 02 03.5 0.0

D08A Wolfman Farm 36.67 74 eP P 09 02 10.9 +0.2

YBH Yreka Blue Hor 37.09 84 LR 09 13 57.9

NEW Newport 37.18 71 LR 09 14 42.9

NEW Newport 37.18 71 eP P 09 02 15.0 -0.1

NEW Newport 37.18 71 eP P 09 02 15.0 -0.1

G08A Pilot Rock 37.52 76 eP P 09 02 17.5 -0.6

I07A Izee 37.81 78 eP P 09 02 20.9 +0.3

BMO Blue Mountains 38.75 76 eP P 09 02 26.8 -1.7

BMO Blue Mountains 38.75 76 eP P 09 02 26.8 -1.7

J08A Circle Bar Lan 38.83 79 eP P 09 02 28.3 -0.8

CN2 Changchun 39.31 283 eP P 09 02 35.1 +2.1

MSO Missoula 39.76 71 eP P 09 02 37.1 +0.2

HIA Hailar 39.95 293 eP P 09 02 37.8 -0.5

HRY Holter Researc 41.07 70 eP P 09 02 47.6 -0.1

HLID Hailey 41.20 76 eP P 09 02 48.7 -0.1

KSR5 Korea Array 41.44 273 P 09 02 51.9 +1.3

KSR5 comp=Z, 7.5nm, 1.0s, baz=60, slow=8.5, SNR=10

KS01 Wonju Array Si 41.44 273 eP P 09 02 50.9 +0.2

KS15 Wonju Array Si 41.47 273 eP P 09 02 50.8 -0.1

EGMT Eagleton 41.62 68 eP P 09 02 52.2 +0.1

NV01 Mina Array Si 41.76 85 eP P 09 02 52.8 -0.8

NVAR Mina Array Bea 41.76 85 P 09 02 55.2 +1.6

NVAR comp=Z, 0.9nm, 0.7s, baz=289, slow=7.1, SNR=6.2

NVAR comp=Z, 0.8nm, 0.6s, baz=255, slow=2.0, SNR=3.8

BOZ Bozeman (W) 41.77 72 eP P 09 02 53.5 0.0

BOZ Bozeman (W) 41.77 72 eP P 09 02 53.5 0.0

ELK Elko 42.29 80 LR 09 18 44.3

ELK Elko 42.29 80 eP P 09 02 57.9 0.0

ELK Elko 42.29 80 eP P 09 02 57.9 0.0

H17A Grant Village 43.05 73 eP P 09 03 04.3 +0.3

IMW Indian Meadow 43.11 73 eP P 09 03 04.2 -0.3

RLMT Red Lodge Ar 43.43 71 eP P 09 03 05.9 -1.2

R11A Troy Canyon, C 43.80 83 eP P 09 03 07.7 0.0

DUG Dugway, Tooele 44.10 79 eP P 09 03 12.4 0.0

DUG Dugway, Tooele 44.10 79 eP P 09 03 12.4 0.0

MWC Mount Wilson 44.56 89 eP P 09 03 16.1 -0.1

MWC Mount Wilson 44.56 89 eP P 09 03 16.1 -0.1

BW06 Boulder Array 44.58 74 eP P 09 03 16.0 -0.3

PD31 Pinedale Array 44.58 74 eP P 09 03 15.9 -0.4

PDAR Pinedale Array 44.58 74 P 09 03 17.1 +0.7

PDAR comp=Z, 9.8nm, 20.4s, baz=322, slow=32

PDAR Pinedale Array 44.58 74 eP P 09 03 15.9 -0.4

GSC Goldstone, Bar 44.65 87 eP P 09 03 16.7 -0.1

GSC Goldstone, Bar 44.65 87 eP P 09 03 16.7 -0.1







23d 12h

SOME 23 11:50:09.4, 39.55N-71.68E, h10km
NNC 23 11:50:14.5, 4.39, 65N-71.91E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=40.6km s-min=20.0km az=179.0
KRNET 23 11:50:15.3, 0.1, 39.44N-71.78E, mb2.8
ISC 23 11:50:14.8, 1.1, 39.55N-0.08, 71.86E, h7km, 13km,
n17, c21/21, 10C-9D, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like DRK Karamyk, BTK Batken, ARSB Arslanbob, AML Almayashu, IUG luzhnay, ARLS Aral, UCH Uchtor, MRKS Merke, DGS Degeres, TNSS Tian-Shan, KTBS Karatobe, AB31 Akbulak array.

SNET 23 12:00:02.0, 0.0, 12.42N-89.60W, h19km
IDC 23 12:00:02.6, 1.0, 13.00N-88.94W, h0km, mb4.1/1.0,
mb1.4, 2.1/4, mb1mx4.0/4.0, mbtmp4.0/14, ML3.0/4, MS3.1/3,
Ms1.3/1.3, ms1mx2.8/2.9, Error ellipse: s-maj=39.6km
s-min=14.9km az=45.0
UCR 23 12:00:04.1, 2.1, 12.49N-89.45W, h13km, 13km, MD3.9,
ML4.1, mb4.4(NEIC)
NEIC 23 12:00:09.0, 0.0, 8.12, 70N-89.27W, h59km, 6km, mb4.4/5.9,
MD4.2(SNET), Error ellipse: s-maj=12.4km s-min=6.1km
az=208.0

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like LFRS El Faro, SNET Serv Nac Est T, OPAM San Salvador, UES San Salvador, LFU La Fuente, LBRs Las Brisas, PAVA Las Pavas, CEVE Cerro Verde, SBLs San Blas, SNUJ San Jose, PACVA Pacayal, RTR El Retiro, VICT Victoria, LCND La Caada, CAHU Cacacatuque, CNCH Conchagua, CSGN Cosiguina Volc, CSGN Cosiguina Volc, MTO3 Montecristo, IXG Ixpac, NBG Las Nubes, FUG Fuego 3, TGUH Tegucigalpa, TGUH Tegucigalpa, MRL Marmol, CNGN Cerro Negro, APG El Apazote, APG San Salvador, APG San Salvador, MOM Momotombo, SOMN Somoto, ESTN Estel, ESTN Estel, MGAN Managua, RCON Cerro Negro, MATN Matagalpa, ACON Acoyapa, ACON Acoyapa, CCG Comitanga, JTS JuntasAbangare, JTS JuntasAbangare, JTS JuntasAbangare, ESPN Las Esperanzas, CMIG Matias Romero, CMIG Matias Romero.

2013 APR

Table with columns: TEIG, TLIG, MOIG, SDV, 249A, 435B, 435B, NATX, 251A, 251A, 147A, 148A, 254A, 149A, 150A, 151A, JCT, JCT, JCT, 147A, 148A, 149A, 150A, 151A, JCT, JCT, JCT, LRL, WHTX, WHTX, Z50A, Z41A, 155A, HP1G, Z53A, WLAR, Y48A, LTX, TX31, TXAR, Y49A, Y49A, GOGA, Y51A, Y52A, Y53A, OXF, X48A, X47A, X46A, X49A, X50B, X40A, ABTX, ABTX, MIAR, MIAR, UALR, W48A, W47A, W41B, X54A, WHAR, W50A, W51A, W39A, X55A, Y58A, X56A, V46A, V48A, V47A, V49A, V50A, W54A, TKL, TKL, V53A, V52A, U40A, PARMO, W57A, V54A, U49A, U50A, MNTX, MNTX, PBMO, W58A, U51A, U51A, T47A, T47A, T46A, U53A.

1532

Table with columns: V56A, MSTX, T49A, T49A, T50A, W60A, AMTX, AMTX, U55A, S41A, S44A, SIUC, FVM, USIN, CCM, CCM, R44A, R41A, WCI, WCI, BNI, LENN, Q51A, KSU1, Q54A, O41A, T25A, T25A, P54A, M43A, KSCO, KSCO, L42A, L41A, L40A, L40A, S22A, S22A, Q24A, K41A, K42A, K39A, JFWs, JFWs, J42A, N59A, J41A, ISCO, J43A, PV05, PV03, PV12, PV11, PV17, PV16, I42A, I42A, I40A, I39A, I41A, I41A, ECSD, N23A, H41A, H40A, H38A, G38A, G40A, G43A, G39A, H41A, SPMM, SPMM, SUSD, G47A, G41A, S40A, F38A, COWI, E39A, E43A, E40A.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BANO Bancroft, RSSD Black Hills, ALGO Algaquin Park, etc.

NCC 23 12:14:53.6:1.4, 40.937N-69.66E, h0km, mb3.8, mpv3.4, 1C-3D, Error ellipse: s-maj=9.8km s-min=5.6km az=49.0, Tajikistan

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

NEIC 23 12:21:36.0:0.0, 35.48S-71.63W, h78km, ML3.8(GUC), After GUC.

NEIC Felt [IV] at Talca, [III] at Linares and [II] at Peralarco, Penuchae and San Clemente.

GUC 23 12:21:36.9:0.5, 35.48S-71.63W, h78km, 6km, ML3.8, 4C-1D, Central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like G005 Huala, G005 Huala, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ANTU Antupapu, CLCH Cerro Calan, FCH Farellones, etc.

EAF 23 12:39:02.9:3.6, 4.25N-39.29E, h53km, 106km AAE 23 12:39:25.7:11.0, 6.57N-36.74E, h0km, 854km

IDC 23 12:39:30.2:3.5, 6.71N-37.63E, h0km, mb3.6/3, mb1 3.7/4, ms1mx3.4/31, mbmp3.6/4, ML3.5/1, MS3.5/17, Ms1 3.5/17, ms1mx3.3/37, Error ellipse: s-maj=124.7km s-min=36.3km az=104.0

ISC 23 12:39:31.0:1.1, 6.88N, 0.05:37.5E:0.1, h10km, n36, 1993/38, mb3.8/3, MS3.5/16, Ethiopia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARBA Ethiopian Broa, FURI Furi, etc.

KMBO Kilima Mboyo 7.96 182 LR 12 40 25.8 -0.5

KMBO Kilima Mboyo 7.96 182 LR 12 40 25.8 -0.5

TSUM Tsumbe 32.49 177 LR 12 40 25.8 -0.5

SKR Severo-Kuril's 1.67 309 Op Pn 13 05 57.6 -0.7

PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

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BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

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BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

BS10 Co. Tuti 2.13 289 P Pn 13 43 30.5 -0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LFRS El Faro, SNET Serv Nac Est T, UUES San Salvador, etc.

KRSC 23 13:05:18.1:10.0, 49.90N-157.68E, h18km, 10km, ML4.0, East of Kuril Islands

SKR Severo-Kuril's 1.67 309 Op Pn 13 05 57.6 -0.7

PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

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PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

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PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

PAU Pauzhetka 1.26 341 Op Pn 13 05 47.5 -0.7

23d 15h

Table with columns: MAT, Station Name, Time, Res, ISC, Phase ID, and various station codes. Includes stations like Matsushiro, Matsu-Tunnel, Nakatsue, etc.

MEX 23 14:12:08.6,0.3,27.56N,111.48W, h15km, MD3.8, Gulf of California. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

ICD 23 14:17:39.8,0.8,27.57N,140.05E, h472km, 8km, mb3.4/2.3, mb1 3.5/29, mb1mx3.4/62, mbtmp4.2/29, Error ellipse: s-maj=13.1km s-min=8.9km az=81.0

JMA 23 14:17:39.6,0.2,27.71N,140.42E, h471km, M4.1, NEIC 23 14:17:57.2,0.6,29.18N,138.55E, h519km, 9km, mb4.1/11, Error ellipse: s-maj=18.5km s-min=8.4km az=65.0

ICD 23 14:17:40.1,0.5,27.62N,107.140, h17E, 0.08, h479km, n78, r1560/94, mb4.0/39, 1.C, Bonin Islands region. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

2015 APR

Main table with columns: MAT, Station Name, Time, Res, ISC, Phase ID, and various station codes. Includes stations like Matsushiro, Matsu-Tunnel, Nakatsue, etc.

1534

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

ICD 23 15:08:22.0,0.9,28.05N,62.11E, h0km, mb3.8/1.0, mb1 3.9/11, mb1mx3.6/49, mbtmp3.8/11, ML3.6/1, MS3.7/1, s-maj=19.6km az=127.0, Error ellipse: s-maj=31.2km s-min=19.6km az=127.0

NEIC 23 15:08:26.4,3.2,28.11N,62.03E, h28km, 26km, mb4.0/4, Error ellipse: s-maj=26.4km s-min=8.9km az=130.0

ISC 23 15:08:26.7,0.7,28.00N,01.62E, 0.02, h35km, n25, r1541/25, mb3.8/10, Southern Iran. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

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

ICD 23 15:09:10.7,1.8,29.87N,102.96E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.2/48, mbtmp3.3/3, Error ellipse: s-maj=44.6km s-min=29.0km az=54.0, Sichuan. Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

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



23d 17h

comp=Z,37nm,18.2s,baz=348,slow=36
ILAR Eielson Array 83.87 12 P 16 44 33.9 0.0

IDC 23 16:55:01.2,0.8,3:35N,74.45W,h0km,mb3.67,mb1.3/9,
mb1 mx3.7/26,mbtmp3.79,ML3.8/3,MS3.0/2,Ms1.3/0.2,
ms1mx2.5/31, Error ellipse: s-maj=19.0km s-min=16.1km
az=88.0

RSNC 23 16:55:05.4,0.8,3:39N,74.35W,h4km,4km,ML3.8,Mw3.7,
ISC 23 16:55:03.1,2.3,38N,0.02,74.41W,0.03,h9km,8km,n38,
o=188/57,mb3.77,7C-3D,Columbia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 23 17:02:38.0,1.2,0:60S,127.81E,h0km,mb3.9/5,
mb1.4/16,mb1mx3.7/33,mbtmp4.0/6,ML3.8/1,MS3.2/4,
Ms1.3/2.4,ms1mx2.8/35, Error ellipse: s-maj=117.3km
s-min=17.9km az=69.0

NEIC 23 17:02:43.5,1.6,0:62S,127.83E,h38km,10km,mb4.3/19,
Error ellipse: s-maj=18.2km s-min=9.5km az=69.0

DJA 23 17:02:44.2,0.3,1:54,4:12,8E,1:h60km,12km,M4.3/9,
mb4.7/5,mb4.4/9,MLV4.3/7,Mw(MB)4/5

ISC 23 17:02:43.8,0.5,0:68S,127.85E,0.07,h35km,n67,
o=696/67,mb4.3/22,MS3.6/6,Halmahera

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the 17:02:43.8 event.

2013 APR

Main table of seismic events for 2013 APR. Columns include event name (e.g., APSI, SP51, BKSI), location (e.g., Ampana, Sidrap Palu), magnitude, time, and other parameters.

NNC 23 17:27:40.5,0.4,44:98N,80:85E,h0km,mb3.6,mpv3.3,
Error ellipse: s-maj=5.8km s-min=2.5km az=122.0

SOME 23 17:27:41.1,44:92N,80:85E,h10km,
ISC 23 17:27:40.4,0.9,44:99N,0.04,80:94E,0.04,h10km,n35,
o=1800/63,7C-5D,Kazakhstan-Xinjiang border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the 17:27:40.4 event.

1536

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for event 1536.

SJA 23 17:34:22.0,2.0,3:33,40S,70:51W,h114km,2km,ML3.5,
MW3.4

GUC 23 17:34:23.4,0.7,33:29S,70:32W,h104km,5km,ML3.7
ISC 23 17:34:23.3,1.9,33:44S,0.06,70:49W,0.06,
h107km,10km,n23,o=58/33,Chile-Argentina border
region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for event 1536.





DARE Darendo-Malaty 1.29 13 PN Pn 18 39 14.7 +0.1
URFA Urfa 1.36 84 PN Pn 18 39 15.8 +0.6

IDC 23 18:46:22.2-1.7, 63.91N:149.20W, h119km, 1.0km,
mb3.5/15, mb1 3.7/17, mb1mx3.5/41, mbmtmp3.9/17, Error
ellipse: s-maj=26.8km s-min=16.2km az=172.0

NEIC 23 18:46:23.0-0.0, 63.82N:149.08W, h111km, ML3.6(AEIC),
After AEIC

ISC 23 18:46:22.1-0.6, 63.84N:149.14W, 0.03,
h121km, 5km, n84, e1903/116, mb3.9/16, Central Alaska

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BOSO, BOSO4, TATEYAMA, KATSUURA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WAKE ISLAND HY 27.82, WAKE ISLAND HY 28.45, etc.

GUC 23 18:52:24.0-0.4, 38.18S:74.03W, h14km, 7km, ML3.5, 1C,
Off coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like AGOH, CCHI, CCHI, CCHI, etc.

ANF 23 18:58:10.7-0.4, 32.39N:115.30W, h22km, 3km, ML3.0/12,
Error ellipse: s-maj=3.8km s-min=1.9km az=30

SCEDC 23 18:58:11.8-0.2, 32.34N:115.33W, h9km
PAS 23 18:58:11.7-0.0, 32.34N:115.33W, h9km

NEIC 23 18:58:12.2-0.0, 32.31N:115.34W, h5km, ML3.2(PAS),
ML3.4(CEX), After EOX

CEX 23 18:58:12.2-0.6, 32.31N:115.34W, h5km, MD3.2, ML3.4
MX 23 18:58:12.4-0.3, 32.52N:115.20W, h14km, 41km, ML3.8

ISC 23 18:58:10.3-1.0, 32.39N:115.33W, 0.03, h17km, 1km,
n46, e1934/74, 3C-5D, California-Baja California border

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like CPBX, MBIG, MBIG, MBIG, etc.

Table with columns: CPE, Camp Elliot, 1.57 289 ePn Pn 18 58 39.9 +0.9
BELC Belle Mtn. Jos 1.70 341 Pn Pn 18 58 59.8 +1.3

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

SJA 23 19:03:53.9-0.5, 15.75S:70.49W, h217km, 9km, ML3.9,
MM4.3

IDC 23 19:03:56.2-3.1, 15.83S:70.25W, h224km, 32km, mb3.3/1,
mb1 3.6/4, mb1mx3.2/33, mbmtmp3.4/4, MS2.6/1, Ms1 2.6/1,
ms1mx2.1/13, Error ellipse: s-maj=60.4km s-min=21.3km
az=109.0

ISC 23 19:03:54.1-1.3, 15.73S:70.5W, 0.1, h200km, n27,
e1939/37, 4C-1D, Southern Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like LPAZ, LPAZ, PB12, PB12, etc.

SKHL 23 19:07:57.9-0.5, 44.139N:149.43E, h53km, 5km, mb4.5/4
JMA 23 19:08:01.3-0.5, 44.83N:148.46E, h152km, M3.6

ISC 23 19:07:57.4-3.9, 45.0N:152.2-148.7E:0.2, h157km, 19km,
n15, e1968/23, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KUR, KUR, KUR, KUR, etc.

IDC 23 18:50:43.2-6.2, 34.11N:139.20E, h0km, mb3.4/2,
mb1 3.6/3, mb1mx3.2/40, mbmtmp3.4/3, ML2.4/1, Error
ellipse: s-maj=94.2km s-min=24.2km az=76.0

JMA 23 18:50:46.7-0.2, 34.59N:140.26E, h54km, 2km, M3.2
ISC 23 18:50:46.9-1.1, 34.58N:140.27E:0.05, h52km, 9km,

109C Camp Elliot, M 1.57 289 Pn Pn 18 58 39.7 +0.7
bazz=110, SNR=9.9

109C Camp Elliot, M 1.57 289 Pn Pn 18 58 39.7 +0.7
bazz=110, SNR=9.9

Table with columns: Code, Station Name, Az, El, P, S, Res. Includes stations like NEM2 Nemuro 2, JRA Nausu, JNK Nakash, JAK Akkeshi, etc.

IDC 23 19:09:04.9.1.2, 17.67S, 167.25E, h0km, mb4.0/8, mb1 4.3/9, mb1mx3.9/41, mbtmp4.0/9, ML4.2/1, MS3.2/6, Ms1 3.1/6, ms1mx2.9/38, Error ellipse: s-maj=40.0km s-min=21.6km az=138.0

Main table of station data for the first section, including stations like MARNC Mare, Loyalty, DZM Mont Dzumac, DZM 22nm, 0.2s, etc.

NIED 23 19:14:00, 36.90N, 141.40E, h5km, Mw3.7 Best double couple: M4.22000x1014 NP1.393.00000, 846.00000, lambda-112.00000, NP2.344.00000, 848.00000, lambda-68.00000

IDC 23 19:14:54.1.0.8, 36.87N, 141.29E, h0km, mb3.8/12, mb1 3.9/15, mb1mx3.7/58, mbtmp3.7/15, ML3.0/3, MS2.5/4, Ms1 2.5/4, ms1mx2.4/59, Error ellipse: s-maj=20.3km s-min=16.2km az=92.0

Main table of station data for the second section, including stations like ONAJ Iwakimizuishi, ONJF Onaka, ONAK Kawachi, etc.

Table of station data for the third section, including stations like H1N2 WAKE ISLAND Hy 28.11 120 T, H1N1 WAKE ISLAND Hy 28.11 120 T, etc.

DJA 23 19:22:06.0.5.4, 5.13S, 134.4E, h10km, M4.1/3, mb4.3/3, ML4.0/3, Irian Jaya region

Table of station data for the fourth section, including stations like CMAR Chiang Mai Arr 56.17 39 P, ASAR Alice Springs 60.87 103 P, etc.

MAN 23 19:31:26.9, 15.28N, 122.30E, h18km, MS3.6, Philippine Islands region

IDC 23 19:34:39.2.28.0, 2.03N, 122.31E, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.5/43, mbtmp4.0/4, Error ellipse: s-maj=508.8km s-min=127.3km az=132.0

NEIC 23 19:35:15.6.2.0, 0.08S, 122.66E, h172km, 12km, mb4.3/12, Error ellipse: s-maj=20.4km s-min=7.6km az=168.0

Main table of station data for the fifth section, including stations like LUWI Luwuk, MRSI Marisa, KMSI Cibinong, etc.

Table with columns: STKA, CAN, Station Name, Az, El, P, S, Res. Includes STKA Stephens Creek, CAN Canberra.

GUC 23 19:37:52.6.1.0, 20.69S, 69.03W, h100km, 5km, ML4.3, NEIC 23 19:37:52.5.2.20, 68S, 68.95W, h96km, 6km, mb4.4/8, Error ellipse: s-maj=23.1km s-min=8.1km az=93.0

IDC 23 19:37:54.0.1.2, 20.70S, 68.73W, h106km, 13km, mb3.8/5, mb1 3.9/7, mb1mx3.5/31, mbtmp4.2/7, MS2.7/1, Ms1 2.8/1, ms1mx2.4/39, Error ellipse: s-maj=36.2km s-min=12.5km az=106.0

Main table of station data for the sixth section, including stations like IPOC Station P, IPOC Station E, IPOC Station S, etc.

DJA 23 19:23:22.1.2.9, 27.77S, 65.80E, h0km, mb3.9/7, mb1 4.0/7, mb1mx3.7/63, mbtmp3.9/7, Error ellipse: s-maj=89.3km s-min=31.6km az=50.0

IDC 23 19:23:23.1.2.8, 27.8S, 65.46E, h10km, n8, c0827/8, mb3.9/7, Indian Ocean Triple Junction

Main table of station data for the seventh section, including stations like CMAR Chiang Mai Arr 56.17 39 P, ASAR Alice Springs 60.87 103 P, etc.

MAN 23 19:31:26.9, 15.28N, 122.30E, h18km, MS3.6, Philippine Islands region

IDC 23 19:34:39.2.28.0, 2.03N, 122.31E, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.5/43, mbtmp4.0/4, Error ellipse: s-maj=508.8km s-min=127.3km az=132.0

NEIC 23 19:35:15.6.2.0, 0.08S, 122.66E, h172km, 12km, mb4.3/12, Error ellipse: s-maj=20.4km s-min=7.6km az=168.0

DJA 23 19:35:15.6.2.0, 0.08S, 122.66E, h172km, 12km, mb4.3/12, mb3.9/3, mb4.6/1, MLV3.9/10, Mw(m)B3.8/1

IDC 23 19:35:15.5.0.7, 0.12S, 122.90E, h0km, n33, mb1.8/4/0, mb4.2/10, Minatona Peninsula, Sulawesi

Main table of station data for the eighth section, including stations like LUWI Luwuk, MRSI Marisa, KMSI Cibinong, etc.

23d 20h

MK01 Makanchi Array 145.00 35 ePKPbc PKPdf 19 57 18.7 +0.8

IDC 23 19:38:25.0\_9.19.475x169.88E,h0km,mb4.0/4, mb1 4.2/5, mb1mx3.7/38, mbtmp4.0/5, ML3.7/1, MS4.2/2, Ms1 4.2/2, ms1mx2.9/37, Error ellipse: s-maj=158.8km s-min=75.5km az=89.0

NEIC 23 19:38:39.0\_2.5, 19.675x168.77E,h36km,21km,mb4.2/5, Error ellipse: s-maj=22.5km s-min=10.2km az=129.0

ISC 23 19:38:37.9\_1.4, 19.935x168.4E:0.1,h10km,n20, r19321.1,mb3.9/4, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like MARE, Loyalty, DZM, Mont Dzumac, etc.

IDC 23 19:47:34.9\_1.3, 3.09N:129.05E,h0km,mb3.7/7, mb1 3.9/7, mb1mx3.6/45, mbtmp3.7/7, MS3.1/1, Ms1 3.1/1, ms1mx2.4/33, Error ellipse: s-maj=68.0km s-min=16.5km az=60.0

ISC 23 19:47:41.0\_1.3, 3.0N:0.2:128.9E:0.4,h44km,n14, r05911/3,mb3.6/7, North of Halmahera

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like TGY, Tagaytay City, FITZ, Fitzroy Crossi, etc.

NEIC 23 19:52:50.7\_2.2, 2.29S:179.93W,h497km,7km,mb4.7/48, Error ellipse: s-maj=15.2km s-min=13.5km az=156.0

IDC 23 19:52:51.1\_2.3, 2.43S:179.92E,h489km,21km, mb3.8/12, mb1 3.9/13, mb1mx3.5/34, mbtmp4.6/13, Error ellipse: s-maj=21.7km s-min=20.8km az=131.0

ISC 23 19:52:51.3\_0.5, 2.441S:0.07:179.95W:0.08,h500km, n78,r1535/79,mb4.6/43, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like NIUE, Niue, MARE, Loyalty, etc.

2013 APR

PMG Port Moresby 34.71 290 eP P 19 58 56.9 -2.0

Main table with columns: Code, Station Name, Az, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like COEN, Coen, BBOO, Buckleboe, etc.

1540

JTS JuntasAbangare 16.57 272 LR LR 20 05 03.6

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like TXAR, Lapjitas Array, etc.

IDC 23 19:54:52.6\_4.6, 15.955x175.77W,h0km,mb4.0/2, mb1 4.0/4, mb1mx3.6/40, mbtmp4.0/2, Error ellipse: s-maj=473.0km s-min=55.5km az=151.0, Tonga Islands

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

IDC 23 19:57:30.1\_1.9, 6.110N:43.71W,h0km,mb3.6/3, mb1 4.0/4, mb1mx3.3/50, mbtmp3.7/4, ML3.6/1, Error ellipse: s-maj=36.8km s-min=29.4km az=50.0

ISC 23 19:57:31.3\_1.7, 6.110N:0.1:44.1W:0.1,h10km,n7,r0583/9, mb3.9/3, Western Kalaallit Nuaat

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

IDC 23 20:04:10.7\_0.5, 49.46S:7.97W,h0km,mb4.3/16, mb1 4.3/16, mb1mx4.2/32, mbtmp4.3/16, MS4.3/6, MS1 4.3/6, ms1mx4.1/11, Error ellipse: s-maj=16.7km s-min=14.3km az=152.0

NEIC 23 20:04:12.3\_1.4, 49.46S:8.02W,h12km,3km,mb4.7/16, Error ellipse: s-maj=17.7km s-min=15.7km az=129.0

GCMT 23 20:04:14.3\_0.3, 0.49:55S:0.04:7.75W:0.03,h22km, MW5.0/88, Moment Tensor Solution. s20,c20; s88,c116; Duration: 0 Moment tensor solution. s20,c101Nm; Mrr-5.38; 29; Mw1.53; 19; Mw3.85; 18; Mw0.54; 41; Mw0.58; 10; Mw0.01; 27; Best double couple: M0.70600x10^16 Np1:0.342,00000; s46,00000; A-96.00000; NP2: 0.171,00000; s44,00000; A-84.00000; Principal axes: T 3.99000, P1g1.00000; Azm77.00000; N 1.43200, P1g4.00000; Azm346.00000; P -5.4220, P1g66.00000; Azm175.00000; P -1.70000, P1g1.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 23 20:04:11.9\_0.4, 49.43S:0.09:8.05W:0.09,h10km,n58, r092/58,mb4.5/24,MS4.4/7, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like VNA1, Neumayer-Stat, etc.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tripoli, Kithira, Drossia, Rilos, etc.

TAP 23:21:30:57.6,24:50N:121:90E,h10km,ML2.4,4C,B, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Suao, Nanan, ENA, EOS1, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YM07, YM10, YM11, etc.

IDC 23:21:31:18.1+1.1,24:87N:123:36E,h0km,mb3.5/6, ms1x2.7/2.3, Error ellipse: s-maj=61.1km s-min=20.5km az=68.0

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

GUC 23:21:34:58.9+0.6,21:04S:69:04W,h118km,2km,ML3.5 SJA 23:21:34:58.8+0.7,21:04S:69:08W,h108km,6km,ML2.9, MW3.3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB01, PB02, PB03, etc.

Table with columns: PB15, IPOC Station P, Azimuth, Phase ID, Time, Res.

ISC 23:21:44:52.7:3.1,44:11N:0:15:43E,0:06,h7km,12km,n7, o051/14,Northwestern Balkan Peninsula

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

I/QO 23:22:12:12.6:1.0,3°S:5°8'2W, h12km,MLV3.5 ISC 23:22:12:12.8:3.4,3:19S:0:09:81.7W,0.2,h35km,n16, o12/17, Near coast of northern Peru

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

JMA 23:22:30:39.1+0.2,23:07N:121:52E,h13km,4km,ML3.3 TAP 23:22:30:40.8,23:11N:121:37E,h20km,ML3.6,B ISC 23:22:30:40.4:1.0,23:07N:0:02:12:44E,0:02,h19km,2km, n15,o08/85/153,3C-22,Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHKT, FULB, TWF1, etc.



Table with columns: TYC, Yuchr, baz, 0.99 327, JIP, Pb, 22 30 58.5, -0.5, etc. Lists various astronomical objects and their properties.

Table with columns: JISG, Ishigakijimah, 3.03 60, P, Pn, 22 31 27.7, +0.3, etc. Lists astronomical objects with detailed coordinates and names.

Table with columns: SOEI, Soe, 0.62 148, P, Pn, 23 04 18.2, +3.5, etc. Lists astronomical objects, including detailed descriptions of some like 'DZM Mont Dzumac'.



23d 23h

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like LBZ, QZH, WKZ, etc.

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Table with columns for station call letters, frequency, power, and signal quality. Includes stations like WHN, MSHR, TEY, etc.

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Table with columns for station call letters, frequency, power, and signal quality. Includes stations like PBKT, BJT, GSI, etc.

CMAR	comp=Z,2.8nm,1.1s,baz=262,slow=4.9,SNR=6.2	PKPPKP P'P'df	23 54 15.1	-4.8	
CMAR	comp=Z,2.3nm,0.9s,baz=291,slow=4.4,SNR=5.0	PK2Pbc	23 54 30.8		
CMMT	Chiang Mai	57.03 295 P	23 24 28.5	+1.0	
CHTO	Chiang Mai	57.04 295 eP	23 24 28.6	+1.1	
CHTO	comp=Z,6.0um,19.0s	LR LR			
CHTO	Chiang Mai	57.04 295 eP	23 24 28.6	+1.1	
CHTO	comp=Z,222nm,1.2s	pmx pmx			
CHTO	comp=Z,6.0um,19.0s	MLR MLR			
CHTO	Chiang Mai	57.04 295 P	23 24 28.8	+1.3	
CHTO	SNR=86	P P	23 24 28.8	+1.3	
CHTO	Chiang Mai	57.04 295 P	23 24 28.6	+1.1	
CD2	CD2	pP pP	23 24 32.0	+0.2	
CD2	CD2	pP pP	23 24 39.6	+0.7	
CD2	CD2	S S	23 32 31.1	+2.0	
CD2	comp=Z,200nm,0.8s	pmx pmx			
CD2	comp=Z,5.0um,6.5s	LR LR			
CD2	comp=Z,5.1um,29.4s	LR LR			
CD2	comp=Z,3.8um,23.5s	LR LR			
CD2	comp=Z,3.5um,27.5s	LR LR			
HHC	HHC	ScS ScS	23 24 34.3	+0.8	
HHC	HHC	sP sP	23 24 40.6	0.0	
HHC	HHC	S S	23 32 36.9	+4.6	
HHC	HHC	ScS ScS	23 34 18.3	-3.5	
HHC	HHC	SS SS	23 36 24.8	+1.1	
HHC	comp=Z,77nm,1.1s	pmx pmx			
HHC	comp=Z,2.0um,6.0s	LR LR			
HHC	comp=Z,1.0um,16.9s	LR LR			
HHC	comp=Z,9.0um,15.9s	LR LR			
HHC	comp=Z,1.4um,16.6s	LR LR			
PPT	Papeete	58.59 108 P	23 24 38.4	-0.1	
PPT	comp=Z,33nm,0.9s,baz=240,slow=20,SNR=2.4	LR LR	23 47 29.0		
PPT2	Papeete2	58.59 108 eP	23 47 42.4	+3.9	
PPT2	comp=Z,12um,18.2s,baz=271,slow=34	LR LR			
PPT2	comp=Z,97nm,1.3s	eS S	23 32 43.9	+2.2	
PPT2	comp=Z,1.9um,30.5s	eLQ LQ	23 39 22.8		
PPT2	comp=Z,60um,29.2s	eLR LR	23 41 50.3		
PPT2	comp=Z,40um,24.5s,baz=284	eLR LR			
BTO	Baotou	58.68 323 eP	23 24 37.3	-1.5	
TIAR	Tiarei	58.80 108 eP	23 24 44.0	+4.0	
TVO	Taravao	58.92 108 eP	23 24 44.6	+3.8	
CMBY	CAMPBELL BAY	59.15 280 eP	23 24 41.1	-1.3	
CMBY	comp=Z,5.0um,7.7s	IAMB IAMB	23 24 43.2		
TBI	Tubuai	59.50 115 eP	23 24 48.6	+3.9	
TBI	comp=Z,348nm,1.2s	eS S	23 32 55.9	+2.8	
TBI	comp=Z,1.8um,31.5s	eLQ LQ	23 39 46.0		
TBI	comp=Z,270um,28.2s	eLR LR	23 42 15.0		
HIA	Hailar	59.92 336 eP	23 24 47.6	+0.5	
HIA	comp=Z,700nm,2.0s	LR LR			
HIA	comp=Z,9.0um,19.0s	eP P	23 24 47.6	+0.5	
HIA	Hailar	59.92 336 eP	23 24 47.6	+0.5	
HIA	comp=Z,700nm,2.0s	MLR MLR			
PMOR	Pomario Rio	59.96 105 eP	23 24 51.8	+3.9	
PMOR	comp=Z,339nm,1.4s	eT T	00 29 03.7		
PMOR	Pomario Rio	59.96 105 eT	00 29 03.7		
PMOR	comp=Z,4.0nm,0.2s	eT T			
LZH	Lanzhou	60.13 316 pP	23 24 49.8	+0.8	
LZH	LZH	pP pP	23 24 55.3	-0.8	
LZH	LZH	sP sP	23 24 57.5	-1.0	
LZH	LZH	PP PP	23 27 05.3	+3.5	
LZH	LZH	pP pP	23 33 02.3	+1.1	
LZH	LZH	sS sS	23 33 10.0	+0.2	
LZH	LZH	SS SS	23 37 00.8	+2.2	
LZH	comp=Z,210nm,1.3s	pmx pmx			
LZH	comp=Z,1.1um,5.4s	LR LR			
LZH	comp=Z,7.0um,16.3s	LR LR			
LZH	comp=Z,9.0um,16.3s	LR LR			
LZH	comp=Z,1.6um,19.5s	LR LR			
VAH	Vaihoo	60.23 105 eP	23 24 53.4	+3.6	
VAH	comp=Z,151nm,1.5s	P P			
ZEZ	Zeya	61.06 343 eP	23 24 55.0	+0.3	
ZEZ	ZEZ	eS eS	23 33 04.0	-8.0	
ZEZ	ZEZ	ePS ePS	23 33 36.0	+8.2	
ZEZ	comp=N,600nm,2.0s	pmx pmx			
ZEZ	comp=Z,1.1um,2.0s	pmx pmx			
ZEZ	comp=N,320nm,1.8s	pmx pmx			
ZEZ	comp=Z,460nm,1.8s	pmx pmx			
ZEZ	comp=Z,2.0um,10.0s	pmx pmx			
ZEZ	comp=Z,2.0um,10.0s	pmx pmx			
ZEZ	comp=Z,600nm,8.0s	smx smx			
PBA	Port Blair	61.10 285 eP	23 24 55.2	-0.5	
PBA	comp=Z,300nm,1.7s	IAMB IAMB	23 25 06.0		
DGPR	DIGLIPUR	61.22 287 eP	23 24 55.2	-1.3	
DGPR	comp=Z,1.1um,3.1s	IAMB IAMB	23 24 58.1		
KIWB	Kanaga Island	61.29 21 eP	23 24 57.1	+0.8	
ADK	Adak	61.49 21 eP	23 24 57.8	+0.1	
ADK	comp=Z,977nm,1.4s	LR LR			
ADK	Adak	61.49 21 eP	23 24 57.8	+0.1	
ADK	comp=Z,20um,21.0s	P P			
ADK	comp=Z,977nm,1.4s	MLR MLR			
MA2	Magadan	63.23 359 P	23 25 08.7	-0.5	
MA2	comp=Z,48nm,0.9s,baz=177,slow=9.8	LR LR	23 33 30.8	-8.4	
MA2	comp=Z,3.3nm,0.5s,baz=163,slow=20,SNR=2.1	LR LR	23 46 48.2		
MA2	comp=Z,10um,22.0s,baz=189,slow=30	LR LR	23 25 08.2	-1.0	
MA2	Magadan	63.23 359 eP	23 25 08.2	-1.0	
MA2	comp=Z,193nm,0.9s	S S	23 33 30.8	-8.4	
MA2	Magadan	63.23 359 dP	23 25 09.0	-0.2	
MA2	comp=Z,125nm,1.3s	MLR MLR			
MA2	comp=Z,9.0um,18.0s	MLR MLR			
GTA	Gaotai	64.55 317 pP	23 25 19.3	+0.8	
GTA	GTA	pP pP	23 25 23.8	-1.8	
GTA	GTA	sP sP	23 25 26.3	-1.7	
GTA	GTA	S S	23 33 58.5	+1.8	
GTA	GTA	sS sS	23 34 06.3	+0.9	
GTA	comp=Z,1.1um,7.3s	LR LR			
GTA	comp=Z,4.0um,20.9s	LR LR			
GTA	comp=Z,5.0um,24.1s	LR LR			

GTA	comp=Z,6.0um,20.9s	LR LR			
CIT	Chita	64.58 335 eP	23 25 20.0	+1.7	
CIT	Chita	eP eP	23 25 36.1		
CIT	Chita	e e	23 25 52.2		
BRDH	Bariadaha	64.69 297 S	23 34 01.8	+3.1	
BRDH	comp=Z,2.9nm,0.3s,baz=90,slow=20,SNR=1.3	LR LR			
ULN	Ulanbatar	64.87 328 eP	23 25 20.9	+0.4	
ULN	comp=Z,315nm,1.5s	LR LR			
ULN	Ulanbatar	64.87 328 eP	23 25 20.8	+0.4	
ULN	comp=Z,8um,21.0s	pP pP			
ULN	Ulanbatar	64.87 328 dP	23 25 20.8	+0.4	
ULN	comp=Z,180nm,2.5s	pmx pmx			
ULN	Ulanbatar	64.87 328 P	23 25 21.1	+0.7	
ULN	comp=Z,4um,19.0s	MLR MLR			
ULN	Ulanbatar	64.87 328 P	23 25 21.1	+0.7	
SONM	Songino Array	65.20 328 P	23 25 22.8	+0.2	
SONM	comp=Z,15nm,0.8s,baz=159,slow=7.7,SNR=73	PP PP	23 27 42.9	-3.3	
SONM	comp=Z,11nm,1.1s,baz=147,slow=4.3,SNR=2.9	S S	23 34 06.9	+2.5	
SONM	comp=Z,0.1nm,0.5s,baz=152,slow=42.6,SNR=2.1	I LR	23 49 48.8		
SONM	comp=Z,5um,21.2s,baz=126,slow=32	LR LR			
SONM	PKPPKP P'P'df		23 54 04.1	-0.3	
SHL	Shilong	65.31 300 eP	23 25 24.2	+0.4	
SHL	Shilong	65.31 300 eP	23 25 24.2	+0.4	
SHL	Shilong	pP pP	23 25 24.2	+0.4	
SHL	Shilong	PMAX PMAX	23 25 24.2	+0.4	
SHL	Shilong	eP eP	23 25 24.2	+0.4	
SHL	Shilong	IAMB IAMB	23 25 26.1		
SHL	comp=Z,447nm,1.7s	IAMS_20 IAMS_20	23 59 00.5		
SEY	Seymchan	66.59 0 P	23 25 30.0	-1.0	
SEY	comp=Z,1.1um,2.5s	P P			
SEY	Seymchan	66.59 0 P	23 25 30.0	-1.0	
SEY	comp=Z,1.8nm,0.9s,baz=169,slow=7.7	LR LR	23 50 08.6		
SEY	comp=Z,6um,21.7s,baz=176,slow=32	LR LR			
SEY	comp=Z,1.0nm,0.2s,baz=229,slow=19,SNR=1.6	LR LR	23 54 01.0	+0.3	
SEY	Seymchan	66.59 0 eP	23 25 31.0	0.0	
UNV	Unalaska Valle	67.00 25 eP	23 25 34.8	+1.0	
UNV	comp=Z,336nm,1.4s	P P			
LSA	Lhasa	67.21 304 P	23 25 37.0	+0.8	
LSA	Lhasa	S S	23 34 27.8	-2.4	
LSA	comp=Z,1um,9.3s	pmx pmx			
LSA	comp=Z,5um,33.8s	LR LR			
LSA	comp=Z,2um,37.3s	LR LR			
LSA	comp=Z,8um,30.2s	LR LR			
LSA	Lhasa	67.21 304 eP	23 25 37.3	+1.1	
LSA	comp=Z,145nm,1.2s	LR LR			
LSA	Lhasa	67.21 304 eP	23 25 37.3	+1.1	
LSA	comp=Z,5um,20.0s	P P			
LSA	Lhasa	67.21 304 eP	23 25 37.3	+1.1	
LSA	comp=Z,145nm,1.2s	pmx pmx			
LSA	comp=Z,1.45nm,1.0s	MLR MLR			
TAOE	Nuku Hiva Isla	67.35 98 eS	23 34 33.4	+1.8	
TAOE	comp=Z,5um,20.0s	eS S			
TAOE	Nuku Hiva Isla	67.35 98 eS	23 34 33.4	+1.8	
TAOE	comp=Z,1.8um,33.0s	eLQ LQ	23 43 04.3		
TAOE	comp=Z,22um,27.2s	eLR LR	23 45 54.2		
TAOE	comp=Z,99um,29.2s	eT T	00 38 23.0		
TAOE	Nuku Hiva Isla	67.35 98 eT	00 38 23.0		
TAOE	comp=Z,47nm,0.2s	eT T			
YAK	Yakutsk	67.92 349 eP	23 25 40.1	+0.9	
YAK	Yakutsk	e'PP e'PP	23 25 50.8	+1.4	
YAK	Yakutsk	eS eS	23 26 07.8		
YAK	Yakutsk	e e	23 34 31.2	-5.3	
YAK	Yakutsk	pmx pmx	23 35 38.7		
YAK	comp=Z,882nm,1.0s	pmx pmx			
YAK	comp=E,181nm,0.9s	pmx pmx			
YAK	comp=N,386nm,0.9s	pmx pmx			
YAK	comp=E,1um,13.3s	pmx pmx			
YAK	comp=Z,6um,14.9s	pmx pmx			
YAK	comp=N,2um,14.9s	pmx pmx			
YAK	comp=N,2um,14.9s	smx smx			
SPIA	Saint Paul Isl	67.97 21 eP	23 25 40.7	+0.9	
SPIA	comp=E,6um,12.9s	eP P			
ZAK	Zakamensk	68.37 329 eP	23 25 42.6	0.0	
ZAK	comp=E,1um,1.4s	pmx pmx			
BOD	Bodaibo	68.69 339 eP	23 25 43.6	-0.7	
BOD	comp=Z,150nm,1.2s	pmx pmx			
CASY	Casey	68.76 197 eP	23 25 44.5	-0.2	
CASY	comp=Z,197nm,1.7s	LR LR			
CASY	comp=Z,298nm,1.8s	LR LR			
CASY	comp=Z,7um,22.0s	LR LR			
TLY	Talaya	68.95 330 eP	23 25 46.3	+0.1	
TLY	comp=Z,108nm,1.3s	LR LR			
TLY	Talaya	68.95 330 dP	23 25 47.3	+1.1	
TLY	comp=Z,4um,19.0s	pmx pmx			
TLY	comp=Z,161nm,2.0s	MLR MLR			
TLY	comp=Z,14um,19.0s	MLR MLR			
TLY	Talaya	68.95 330 P	23 25 47.4	+1.3	
TLY	SNR=42	P P	23 25 44.1	-2.2	
IRK	Irkutsk	68.98 331 eP	23 25 51.1	-2.2	
IRK	comp=Z,236nm,2.5s	pmx pmx			
BOK	Bokaro	70.10 297 eP	23 25 55.3	-2.5	
BOK	comp=Z,1um,3.4s	IAMB IAMB	23 25 56.8		
RAMN	Ramite	70.25 300 eP	23 25 55.2	+0.2	
RAMN	comp=Z,580nm,1.7s	P P			
MOY	Mondy	70.29 329 eP	23 25 55.0	+0.5	
MOY	comp=Z,363nm,2.5s	pmx pmx			
JIRN	Jiri	70.79 301 eP	23 25 58.7	+0.3	
JIRN	comp=Z,951nm,1.5s	P P			
PKI	Pulchoki	71.43 301 eP	23 26 02.3	0.0	
PKI	comp=Z,675nm,1.6s	P P			
PKIN	Pulchoki	71.44 301 eP	23 26 02.2	-0.1	
PKIN	comp=Z,541nm,1.6s	P P			
KKN	Kakani	71.60 301 eP	23 26 03.4	+0.3	
KKN	comp=Z,178nm,0.8s	P P			
DMN	Daman	71.70 301 eP	23 26 04.2	+0.4	
DMN	comp=Z,710nm,1.4s	S S			
PALK	Pallekele	72.20 279 S	23 25 31.7	+3.1	
PALK	comp=Z,3.0nm,0.8s,baz=120,slow=8.1,SNR=3.0	P P	23 26 06.5	-0.3	
PALK	Pallekele	72.20 279 eP	23 26 06.5	-0.3	







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Table with columns: AAM, Ann Arbor, 117.39 44, PFAKE LR, 23 33 40.0 +13, etc. Lists various locations and their associated data points.

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Table with columns: JAVC, Velka Javorina, 120.80 327, ePKP, PKIKP, 23 33 39.2 +5.7, etc. Lists various locations and their associated data points.

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Table with columns: ARSA, Arzberg, 122.90 326, i P, PKIKP, 23 33 41.9 +4.2, etc. Lists various locations and their associated data points.

Table with columns: LVC, MARP, Paez Belalcaza, 131.92, 90, eP, PKIKP, 23 33 57.5 +0.6, etc.

Table with columns: LIS, Lisbon, 141.35 336, ePKPdf, AMS, PKPdf, 23 34 11.4 -0.9, etc.

Table with columns: BKZ, Black Stump Fm, 1.98, 29, P, Pn, 23 16 16.5 -0.8, etc.



ETOR S Sn 00 21 35.5 -3.2

MOTA Moosalm 83.52 326 Pcp P 00 45 58.7 +4.5

KLR KLR 12.37 323i eP Pmax Pn 00 40 29.4 +1.2

IDC 24 00:27:41.4, 0.9, 27.94N:60.74E, h0km, mb3.6/9, ...

IDC 24 06:04:4.2, 1.0, 207.25S:66.20E, h0km, mb3.8/7, ...

CN2 CN2 13.79 292 eP Pmax Pn 00 40 48.9 +1.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Zahaedan-tmp, Zahedan, ZHSHF, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Magadan, Beijing, Taian, etc.

IDC 24 00:33:24.0, 0.7, 19.83S:66.78E, h0km, mb3.9/13, ...

KRSC 24 00:36:54.8:10.0, 49.97N:158.08E, h40km, 10km, ML3.6, ...

H1N2 WAKE ISLAND HY 28.61 128 T T 01 13 22.4

NEIC 24 00:33:25.9, 0.3, 19.84S:66.81E, h10km, mb4.2/3, ...

NIED 24 00:37:00, 39.90N:143.40E, h23km, Mw4.5 Best double couple, ...

H1S1 WAKE ISLAND HY 29.43 130 T T 01 14 26.2

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

IDC 24 00:37:32.4, 0.5, 39.93N:143.36E, h18km, 4km, M4.5 ...

H1S2 WAKE ISLAND HY 29.45 130 T T 01 14 28.1

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

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

24d Oh

Table with columns: PDGK, comp, pmax, pmax, NOA, NORSAR Array B, 72.06 338 P, P, 00 48 56.1 +0.1, etc.

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Table with columns: NOA, NORSAR Array B, 72.06 338 P, P, 00 48 56.1 +0.1, etc.

Table with columns: ASAR, Alice Springs, 62.01 107 P, P, 00 51 28.5 -1.4, etc.

BJI 24 00:41:49.6, 42.94N:122.38E, h6km, ML3.6/16, 1C, Northeastern China

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

ICD 24 00:53:03.18.5, 44.49N:149.32E, h0km, mb3.8/7, mb1 3.9/3, mb1mx3.5/48, mbtmp3.8/7, Error ellipse: s-maj=216.2km s-min=30.7km az=166.0, Kuril Islands

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

DJA 24 00:54:02.70.4, 0'N:3°12'11E, h48km, 11km, M4.4/9, mb4.4/1, MLV4.4/9

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WARRAMUNGA ARR, ASAR ALICE SPRINGS, KSRs KOREA ARR, etc.

JMA 24 00:55:16.2, 0.1, 33.53N:137.32E, h403km, M3.6
IDC 24 00:55:20.6, 1.0, 33.54N:137.10E, h361km, 1.1km
mb3.1/1.1, mb1 3.9/1.7, mb1mx3.1/57, mbtmb3.8/17, Error ellipse: s-maj=15.7km s-min=12.9km az=63.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TONANKAI O.B.S, TONANKAI O.B.S, TONANKAI O.B.S, etc.

IDC 24 00:58:08.9, 3.9, 5.82S:142.53E, h0km, mb3.9/1,
mb1 4.0/4, mb1mx3.6/27, mbtmb3.9/4, ML3.8/3, MS4.1/1,
Ms1 4.3/1, ms1mx3.5/40, Error ellipse: s-maj=114.1km
s-min=25.8km az=86.0, New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAY JAYAPURA, WARRAMUNGA ARR, ASAR ALICE SPRINGS, etc.

ISK 24 01:02:27.8, 37.30N:37.08E, h7km, ML1.6/7
DDA 24 01:02:28.1, 37.32N:37.11E, h6km, 1km, ML2.5
ISC 24 01:02:28.2, 1.0, 37.31N:0.04:37.10E:0.04, h14km, 7km,
n12, c052/17, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KAHRAMANMARA, GAZIANTEP, KHRAMANMARA, etc.

IDC 24 01:06:52.7, 1.9, 3.38S:151.36E, h0km, mb3.6/3,
mb1 3.9/3, mb1mx3.5/32, mbtmb3.6/3, Error ellipse:
s-maj=133.4km s-min=26.6km az=125.0, New Ireland
region

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

IDC 24 01:11:18.2, 0.8, 10.62S:161.71E, h0km, mb4.5/21,
mb1 4.6/25, mb1mx4.4/49, mbtmb4.6/25, ML3.8/3, MS3.0/1,
Ms1 3.0/1, ms1mx2.8/43, Error ellipse: s-maj=20.7km
s-min=14.6km az=125.0

BJJ 24 01:11:23.5, 10.36S:161.67E, h51km, mb4.8/10, MB5.2/1,
Ms5.0/1, Ms7.4/8/1
NEIC 24 01:11:26.8, 2.5, 10.50S:161.51E, h58km, 7km, mb4.8/27,
Error ellipse: s-maj=18.4km s-min=12.1km az=49.0

ISC 24 01:11:26.9, 0.5, 10.53S:0.06:161.53E:0.07, h61km, n66,
c154.66km, mb4.7/41, Bougainville-Solomon Islands

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

MEX 24 01:14:43.7, 0.4, 16.02N:98.60W, h2km, 3km, MD3.8, Near
coast of Guerrero

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

IDC 24 01:21:21.0, 1.0, 3.30S:103.19E, h0km, mb3.5/4,
mb1 3.7/4, mb1mx3.2/52, mbtmb3.5/4, Error ellipse:
s-maj=209.1km s-min=22.1km az=58.0, Sichuan

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

ASAR Alice Springs 61.24 148 P P 01 31 38.1 +0.1
comp=E, 0.2nm, 0.6s, baz=334, slow=7.2, SNR=4.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like UCR 24 01:37:54.3:2.3, 15.57N:87.22W, h1km, 1.3km, ML3.6, HONDURAS, etc.

IDC 24 02:04:18.9, 0.4, 15.51N:87.16W, h40km, mb4.4/35,
mb1 4.5/40, mb1mx4.5/62, mbtmb4.4/40, ML3.1/4, MS4.6/6,
Ms1 4.6/6, ms1mx4.1/17, Error ellipse: s-maj=13.3km
s-min=8.7km az=53.0

UCR 24 02:04:21.3:2.2, 15.83N:87.27W, h39km, 39km, MD4.8,
ML4.5, mb4.7(NEIC)
NEIC 24 02:04:21.4:2.0, 15.39N:87.18W, h10km, mb4.7/208,
Error ellipse: s-maj=5.5km s-min=3.6km az=54.0
NEIC Felt at Jutupa, La Ceiba, San Pedro Sula and Tela.
GCMT 24 02:04:23.4:0.4, 15.58N:0.04:87.23W:0.03, h18km, 1km,
MMV5:370, Moment Tensor Solution: s13:c13, s70:c92,
Duration: 150 Moment tensor: Scale 10^17Nm,
Mw=0.94±0.8; Mw0.06±0.04; Mw0.87±0.6; Mw0.23±.12;
Mw0.13±0.3; Mw0.18±.11; Best double couple:
λ=107.00000°; λ=107.00000°; NP2±175.00000°; δ51.00000°,
λ=7.000000°. Principal axes: T 9.100, P165.0000°,
Az=277.0000°; N 0.1030, P13.0000°, Az=186.0000°;
-1.0120, P176.0000°, Az=26.0000°; nsta1 refers to body
waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-tensor function

ISC 24 02:04:21.9, 2.5, 15.59N:0.03:87.19W:0.04, h15km, 15km,
n735, c151/729, mb4.8/198, 1.1km, Honduras

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



Table with columns: Call ID, Name, Time, Power, Modulation, Frequency, and other parameters. Includes entries like 452A Marianna, PTBC PUERTO BERRIO, etc.

Table with columns: Call ID, Name, Time, Power, Modulation, Frequency, and other parameters. Includes entries like X48A Hartselle, W48A Hartselle, W48A White Oak Lake, etc.

Table with columns: Call ID, Name, Time, Power, Modulation, Frequency, and other parameters. Includes entries like U50A Jamestown, V55A Taylorsville, U49A Red Wing Sp, etc.

Q50A	Georgetown	23.34	6	P	P	02 09 30.2 +0.6
T60A	Surry	23.39	21	P	P	02 09 30.6 +0.5
Q49A	Aurora	23.42	4	P	P	02 09 30.9 +0.5
Q42A	Golden Eagle	23.42	353	P	P	02 09 30.9 +0.5
R55A	Marlinton	23.45	14	eP	P	02 09 35.6 +4.8
R55A	Marlinton	23.45	14	P	P	02 09 32.0 +1.2
BLO	Bloomington	23.50	1	eP	P	02 09 35.2 +3.9
Q51A	Peebles	23.59	7	eP	P	02 09 33.8 +1.6
Q51A	Peebles	23.59	7	P	P	02 09 32.5 +0.4
Q52A	Bidwell	23.68	10	P	P	02 09 33.4 +0.4
Q53A	Leroy	23.71	11	P	P	02 09 33.6 +0.3
R58B	Mineral	23.76	19	P	P	02 09 34.7 +1.0
P44A	Sand Creek, Wi	23.82	357	P	P	02 09 35.3 +0.9
P47A	Martinsville	23.82	2	P	P	02 09 32.4 -1.9
P48A	Milroy	23.84	3	P	P	02 09 32.5 -1.9
P46A	Rosedale	23.94	360	P	P	02 09 33.7 -1.7
P49A	Miami Univ. Ec	23.96	5	P	P	02 09 35.7 +0.1
Q54A	Coxs Mills	23.97	12	eP	P	02 09 39.5 +3.8
Q54A	Coxs Mills	23.97	12	P	P	02 09 36.6 +0.9
P43A	Skaggs, Pawnee	24.05	356	P	P	02 09 37.0 +0.6
P51A	Williamsport	24.08	8	eP	P	02 09 40.1 +3.4
P51A	Williamsport	24.08	8	P	P	02 09 37.7 +1.0
P50A	Jamestown	24.12	6	P	P	02 09 37.6 +0.6
Q55A	Buckhannon	24.14	14	P	P	02 09 37.0 -0.4
ATAH	Atahualpa	24.20	158	P	P	02 09 38.7 +0.2
P53A	Whipple	24.35	11	P	P	02 09 40.1 +0.8
P52A	Corning	24.36	9	P	P	02 09 39.4 +0.1
Q44A	Mansfield	24.50	358	P	P	02 09 40.1 -0.5
Q47A	Sheridan	24.57	2	P	P	02 09 41.0 -0.3
Q45A	Potomac	24.58	359	P	P	02 09 41.3 0.0
P54A	Burton	24.64	13	P	P	02 09 43.1 +1.2
Q49A	Covington	24.64	5	eP	P	02 09 45.0 +3.2
Q49A	Covington	24.64	5	P	P	02 09 42.1 +0.2
Q48A	Farmland	24.64	4	P	P	02 09 40.7 -1.2
Q42A	Bath	24.65	355	P	P	02 09 42.6 +0.7
Q41A	Passleys Farm,	24.65	353	P	P	02 09 41.9 -0.1
Q50A	Cable	24.67	7	P	P	02 09 42.2 +0.1
Q43A	Sugar Creek Fa	24.68	356	P	P	02 09 42.8 +0.6
P55A	Reedsville	24.69	14	P	P	02 09 43.2 +0.8
SFIN	Lafayette	24.70	0	eP	P	02 09 44.2 +1.8
SFIN	Lafayette	24.70	0	P	P	02 09 41.2 -1.2
O51A	Pataskala	24.80	8	P	P	02 09 42.2 -1.0
ACSO	Alum Creek Sta	24.83	8	eP	P	02 09 46.8 +3.2
ACSO	Alum Creek Sta	24.83	8	P	P	02 09 43.0 -0.6
MCWV	W Mont Chateau	24.83	14	P	P	02 09 42.7 -0.9
O52A	Adamsville	24.88	10	eP	P	02 09 45.2 +1.2
O52A	Adamsville	24.88	10	P	P	02 09 44.1 0.0
HDIL	Hopedale	24.95	356	eP	P	02 09 44.2 -0.4
HDIL	Hopedale	24.95	356	P	P	02 09 44.0 -0.6
O53A	New Philadelphia	25.12	11	P	P	02 09 46.3 +0.1
N44A	Piper City	25.13	358	P	P	02 09 45.1 -1.2
N45A	Kentland	25.17	359	P	P	02 09 45.8 -0.8
121A	Cookes Peak, D	25.19	316	P	P	02 09 46.1 -1.0
O54A	Aveila	25.21	12	P	P	02 09 47.5 +0.5
N46A	Monticello	25.22	1	P	P	02 09 47.6 +0.5
N41A	Harden Midland	25.23	353	eP	P	02 09 49.1 +1.9
N41A	Harden Midland	25.23	353	P	P	02 09 47.4 +0.2
N47A	Urbana	25.24	3	P	P	02 09 46.3 -1.0
N48A	Decatur	25.25	4	P	P	02 09 47.6 +0.2
N43A	Stutzman Famil	25.32	356	P	P	02 09 48.0 0.0
N49A	Columbus Grove	25.38	5	eP	P	02 09 49.5 +1.0
N49A	Columbus Grove	25.38	5	P	P	02 09 47.9 -0.6
BNM	Barren Site	25.46	320	eP	P	02 09 48.9 -0.8
O55A	Ligonier	25.48	14	P	P	02 09 47.9 -1.6
N40A	Mertquake, Sal	25.49	352	P	P	02 09 50.0 +0.4
319A	Douglas	25.57	312	eP	P	02 09 52.0 +1.5
N51A	Ashland	25.59	8	P	P	02 09 51.6 +1.2
N52A	McGinn's Farm,	25.59	10	P	P	02 09 50.9 +0.5
Y22D	IRIS PASSCAL I	25.60	320	eP	P	02 09 50.9 +0.1
Y22D	IRIS PASSCAL I	25.60	320	P	P	02 09 50.7 -0.1
CBKS	Cedar Bluff	25.64	337	eP	P	02 09 49.6 -1.4
LENM	Lemitar	25.69	320	eP	P	02 09 54.2 +2.5
O56A	Blue Knob Stat	25.71	15	P	P	02 09 51.9 +0.2
M44A	Midewin, Midew	25.72	359	P	P	02 09 51.0 -0.6
N53A	Lisbon	25.73	11	eP	P	02 09 54.2 +2.5
N53A	Lisbon	25.73	11	P	P	02 09 51.5 -0.3
M43A	Waltham Townsh	25.80	357	P	P	02 09 52.4 0.0
M41A	Milan	25.86	354	P	P	02 09 52.6 -0.4
M42A	Sheffield	25.87	356	P	P	02 09 53.3 +0.2
ANMO	Albuquerque	25.90	322	P	P	02 09 55.1 +1.6
ANMO	Albuquerque	25.90	322	eP	P	02 09 55.2 +1.6
ANMO	Albuquerque	25.90	322	P	P	02 09 53.3 -0.2
TASM	ASL Pad, Albuq	25.90	322	P	P	02 09 54.1 +0.5
TASM	ASL Pad, Albuq	25.90	322	P	P	02 09 52.9 -0.7
M49A	Liberty Center	25.95	6	P	P	02 09 54.2 +0.5

LAZ	Ladron	25.95	320	eP	P	02 09 57.4 +3.3
M50A	Fremont	25.98	7	eP	P	02 09 57.4 +3.5
M50A	Fremont	25.98	7	P	P	02 09 54.0 +0.1
M40A	Post Highland	26.00	353	P	P	02 09 53.7 -0.5
M51A	Elyria	26.02	9	P	P	02 09 54.5 +0.1
N54A	Moraine State	26.05	12	P	P	02 09 54.1 -0.5
N55A	Marion Center	26.10	14	P	P	02 09 55.1 0.0
M39A	Webster	26.16	351	P	P	02 09 55.5 -0.2
PAGS	Pennsylvania G	26.19	18	eP	P	02 10 00.1 +4.1
T25A	Trinidad	26.35	328	eP	P	02 10 01.3 +3.6
M53A	WI Miller and	26.37	11	P	P	02 09 57.1 -0.5
L42A	Oliver, Polo	26.41	356	P	P	02 09 58.0 +0.1
L41A	Preston	26.55	354	P	P	02 09 59.0 -0.1
L40A	Anamosa	26.61	353	eP	P	02 10 02.1 +2.4
L40A	Anamosa	26.61	353	P	P	02 09 59.1 -0.6
L39A	Vinton	26.77	352	P	P	02 10 00.0 -1.1
KSCO	Kaye Shedlock	26.99	333	P	P	02 10 04.0 +0.7
K41A	Shullsburg	27.06	355	P	P	02 10 04.0 +0.3
TUC	Tucson	27.14	312	eP	P	02 10 06.2 +1.4
TUC	Tucson	27.14	312	P	P	02 10 04.6 -0.2
K42A	Prairie Point,	27.16	357	P	P	02 10 04.6 -0.1
K40A	Colesburg	27.23	354	P	P	02 10 05.4 +0.1
K48A	Perry	27.25	5	P	P	02 10 05.4 0.0
K39A	Delwin	27.32	352	P	P	02 10 06.1 0.0
JFWS	Jewell Farm	27.36	355	P	P	02 10 06.5 +0.1
SDCO	Great Sand Dun	27.37	327	eP	P	02 10 11.6 +4.6
SDCO	Great Sand Dun	27.37	327	P	P	02 10 07.8 +0.8
J42A	Columbus	27.69	357	P	P	02 10 08.8 -0.6
J43A	Natural Harves	27.72	358	P	P	02 10 08.3 -1.4
J41A	Lodgepole	27.79	356	P	P	02 10 10.0 -0.3
X18A	Snowflake	27.83	317	eP	P	02 10 15.4 +4.4
J40A	Soldiers Grove	27.88	354	P	P	02 10 11.4 +0.3
W18A	Petrified Fore	28.05	318	P	P	02 10 13.5 +0.5
S22A	4UR Ranch, Cre	28.08	326	eP	P	02 10 17.4 +4.0
S22A	4UR Ranch, Cre	28.08	326	P	P	02 10 14.1 +0.8
I43A	Langenfeld Bro	28.22	359	P	P	02 10 14.8 +0.7
I42A	Draeger Farm,	28.25	357	P	P	02 10 15.2 +0.9
OGNE	Ogallala	28.36	336	P	P	02 10 14.6 -0.9
I39A	Houston	28.42	353	eP	P	02 10 15.7 -0.2
I39A	Houston	28.42	353	P	P	02 10 14.6 -1.3
214A	Organ Pipe Nat	28.45	309	P	P	02 10 14.7 -1.6
I41A	Arkdale	28.47	356	eP	P	02 10 18.8 +2.5
I41A	Arkdale	28.47	356	P	P	02 10 15.6 -0.7
MVCO	Mesa Verde	28.65	323	eP	P	02 10 20.3 +2.0
MVCO	Mesa Verde	28.65	323	P	P	02 10 17.3 -1.0
X16A	Lo Mia Camp, P	28.76	315	eP	P	02 10 20.9 +1.6
H43A	Windswept, Lu	28.79	359	P	P	02 10 19.2 -0.1
ISCO	Idal Springs	29.00	330	eP	P	02 10 25.4 +3.9
H40A	Chili	29.07	355	P	P	02 10 20.4 -1.2
ECSD	EROS Data Cent	29.18	346	eP	P	02 10 23.8 +1.1
ECSD	EROS Data Cent	29.18	346	P	P	02 10 21.8 -0.9
H39A	Augusta	29.21	354	P	P	02 10 23.0 +0.1
H38A	Maiden Rock	29.32	353	P	P	02 10 23.2 -0.7
WUAZ	Wupatki	29.36	317	eP	P	02 10 23.1 -1.4
PV13	Radium Mtn., P	29.48	324	eP	P	02 10 30.5 +4.8
PV03	Paradox Valley	29.57	324	eP	P	02 10 28.5 +2.0
G41A	Antelope	29.58	357	P	P	02 10 24.8 -1.4
PV12	Saucer Basin,	29.59	324	eP	P	02 10 24.5 -2.1
PV11	David Mesa, Pa	29.61	324	eP	P	02 10 27.5 +0.7
PV16	Nyswonger Mesa	29.64	324	eP	P	02 10 26.1 -1.0
PV17	East Wray Mesa	29.65	324	eP	P	02 10 32.3 +5.1
PV04	Paradox Valley	29.70	324	eP	P	02 10 30.6 +3.0
G40A	Rib Lake	29.70	356	P	P	02 10 26.0 -1.2
G46A	Potkey	29.70	3	P	P	02 10 26.1 -1.2
PV14	Lion Creek, Pa	29.75	324	eP	P	02 10 32.7 +4.6
G38A	Ridgeland	29.75	353	P	P	02 10 26.1 -1.6
G39A	Holcombe	29.80	354	P	P	02 10 26.9 -1.2
SADO	Sadowa	29.88	12	P	P	02 10 29.9 +1.1
SADO	Sadowa	29.88	12	eP	P	02 10 29.9 +1.1
SPMN	Marine on St.	29.92	352	eP	P	02 10 30.7 +1.5
SPMN	Marine on St.	29.92	352	P	P	02 10 28.4 -0.8
N23A	Red Feather La	30.01	331	eP	P	02 10 36.2 +5.8
G53A	Haliburton	30.32	12	P	P	02 10 32.6 -0.1
F40A	Park Falls	30.48	31	P	P	02 10 32.4 -0.5
F39A	Loretta	30.40	355	P	P	02 10 33.7 +0.3
BUKO	Buck Lake	30.48	11	P	P	02 10 33.6 -0.6
U15A	North Rim	30.49	318	eP	P	02 10 37.3 +2.6
F38A	Pierce - Schro	30.53	354	P	P	02 10 33.7 -0.9
O20A	White River C1	30.58	327	eP	P	02 10 33.5 -1.9
W13A	Hualapai Mount	30.82	314	eP	P	02 10 42.3 +4.7
E39A	Mellen	30.83	355	P	P	02 10 36.2 -1.0
LONL	Lake Ozonia	30.85	18	P	P	02 10 37.8 +0.4
E40A	Wakefield	30.85	356	P	P	02 10 36.7 -0.7
SWSC	Sam W. Stewart	31.14	309	P	P	02 10 38.8 -1.3

E38A	The Farm, Brul	31.14	354	eP	P	02 10 39.8 -0.2
E38A	The Farm, Brul	31.14	354	P	P	02 10 40.0 0.0
BC3	Big Buckwall	31.21	310	P	P	02 10 40.1 -0.8
IRM	Iron Mountain	31.23	311	P	P	02 10 39.2 -1.8
RWWY	Rawlins	31.23	330	eP	P	02 10 43.2 +2.1
D41A	Chassel	31.40	358	P	P	02 10 42.6 +0.3
PTGA	Pitlinga	31.41	119	P	P	02 10 42.4 -0.3
PTGA	Pitlinga	31.41	119	eP	P	02 10 43.1 +0.5
K22A	Casper	31.66	332	eP	P	02 10 47.6 +2.7
K22A	Casper	31.66	332	P	P	02 10 45.1 +0.3
ALFO	Alfred	31.69	17	P	P	02 10 44.8 +0.1
BELC	Belle Mtn. Jos	31.77</				

24d 2h

Table of station data for the 24d 2h period, including call signs, frequencies, and various parameters.

25 APR

Table of station data for the 25 APR period, including call signs, frequencies, and various parameters.

1558

Table of station data for the 1558 period, including call signs, frequencies, and various parameters.

IDD 24 02:09:10.7z 1.6, 15:89N:86:95W, h0km, mb3.9/7, mb1 4.1/8, mb1mx3.8/49, mbmtbp4.0/8, ML4.0/1, Error ellipse: s-maj=31.1km s-min=31.4km az=6.0

NEIC 24 02:09:12.7z 0.5, 15:71N:86:99W, h10km, mb4.4/11, Error ellipse: s-maj=12.4km s-min=8.3km az=76.0

UCR 24 02:09:16.5z 1.4, 15:56N:87:44W, h35km, 442km, ML4.0, mb2.0/4(NEIC)

Code Station Name Az AzZ Phase ID Time Res Code Station Name Az AzZ Phase ID Time Res

Table of station data for the 1558 period, including call signs, frequencies, and various parameters.

IDD 24 02:05:08.0z 0.8, 15:65N:87:21W, h0km, mb4.3/16, mb1 4.5/17, mb1mx4.2/58, mbmtbp4.3/17, ML2.9/1, Error ellipse: s-maj=29.3km s-min=12.8km az=54.0

NEIC 24 02:05:11.7z 0.4, 15:34N:87:22W, h10km, mb4.8/22, Error ellipse: s-maj=13.2km s-min=7.1km az=221.0

ISC 24 02:05:14.8z 0.6, 15:64N:08:87.08W, h0.08, h35km, n70, i1561/69, mb4.7/31, Honduras

Table of station data for the 25 APR period, including call signs, frequencies, and various parameters.

1559

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like FRB Froebisher Bay, YKA Yellowknife Ar, etc.

IDC 24 02:15:47.9-0.7, 15:52N-87:07W, h0km, mb4.1/16, mb1 4/3.20, mb1mx4.2/43, mbtmp4.1/20, ML3.9/3, MS3.7/3, Ms1 3.7/3, ms1mx3.3/38, Error ellipse: s-maj=17.6km, s-min=13.1km az=34.0

NEIC 24 02:15:51.0-0.3, 15:53N-87:17W, h10km, mb4.5/16, Error ellipse: s-maj=6.4km s-min=4.4km az=65.0

ISC 24 02:15:50.1-0.4, 15:58N-0:03-87:15W-0.04, h10km, n421, n140/432, mb4.5/88, Honduras

Main station list table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like TGUH Tegucigalpa, UN, CAHU Cacacuatique, etc.

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Main station list table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like 156A Sylwania, 435B Jarrell, 157A Early Branch, etc.

24d 2h

Main station list table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like U51A La Follette, U52A Thorn Hill, V56A Mocksville, etc.

24d 2h

P46A	Rosedale	23.95	360	P	P	02 21 03.8	-0.7
P49A	Miami Univ. Ec	23.96	5	P	P	02 21 05.0	+0.4
Q54A	Coxs Mills	23.97	12	eP	P	02 21 06.8	+2.1
Q54A	Coxs Mills	23.97	12	P	P	02 21 05.2	+0.5
P43A	Skaggs, Pawnee	24.06	356	P	P	02 21 05.9	+0.4
P50A	Jamestown	24.12	6	P	P	02 21 06.0	-0.2
R59A	King George, V	24.21	20	P	P	02 21 07.0	0.0
P53A	Whipple	24.35	11	eP	P	02 21 10.2	+2.0
P53A	Whipple	24.35	11	P	P	02 21 09.7	+1.5
P52A	Corning	24.36	9	P	P	02 21 09.2	+0.9
O44A	Mansfield	24.51	358	P	P	02 21 10.2	+0.5
O47A	Sheridan	24.58	2	P	P	02 21 10.0	-0.3
O49A	Covington	24.64	5	eP	P	02 21 11.8	+0.9
O49A	Covington	24.64	5	P	P	02 21 11.6	+0.7
O48A	Farmland	24.65	4	P	P	02 21 11.3	+0.3
O41A	Passleys Farm,	24.66	353	P	P	02 21 10.5	-0.5
O50A	Cable	24.67	7	P	P	02 21 11.9	+0.8
P55A	Reedsville	24.69	14	P	P	02 21 12.0	+0.7
OF1A	Lafayette	24.71	0	P	P	02 21 11.4	-0.1
5F1A	Pataskala	24.80	8	P	P	02 21 12.4	+0.1
ACSO	Alum Creek Sta	24.83	8	eP	P	02 21 14.1	+1.5
ACSO	Alum Creek Sta	24.83	8	P	P	02 21 13.2	+0.6
KSU1	Kansas State U	24.86	342	P	P	02 21 13.6	+0.7
O52A	Adamsville	24.88	10	eP	P	02 21 14.5	+1.4
O52A	Adamsville	24.88	10	P	P	02 21 13.8	+0.8
HD1L	Hopedale	24.95	356	P	P	02 21 13.8	+0.1
O53A	New Philadelph	25.12	11	P	P	02 21 15.3	+0.1
N45A	Kentland	25.18	359	P	P	02 21 15.5	-0.2
O54A	Avella	25.21	12	P	P	02 21 16.3	+0.2
N46A	Monticello	25.23	1	P	P	02 21 16.2	0.0
N47A	Urbana	25.24	3	P	P	02 21 16.1	-0.2
N48A	Decatur	25.25	4	P	P	02 21 16.4	0.0
N43A	Stutzman Famil	25.33	356	P	P	02 21 17.0	-0.1
N50A	Nevada	25.34	7	P	P	02 21 16.6	-0.6
N49A	Columbus Grove	25.38	5	P	P	02 21 17.4	-0.1
N40A	Mertquake, Sal	25.50	352	P	P	02 21 18.6	-0.1
N51A	Ashland	25.59	8	P	P	02 21 19.5	+0.1
N52A	McGinn's Farm,	25.59	10	P	P	02 21 19.6	+0.1
319A	Douglas	25.59	312	eP	P	02 21 21.9	+2.1
LENM	Lemitar	25.71	320	eP	P	02 21 23.7	+2.8
M44A	Midewinter, Midew	25.73	358	P	P	02 21 21.3	+0.6
N53A	Lisbon	25.73	11	P	P	02 21 21.8	+1.0
M46A	Old House Field	25.74	1	P	P	02 21 21.3	+0.5
M43A	Walham Townsh	25.81	357	P	P	02 21 22.0	+0.6
M41A	Milan	25.87	354	P	P	02 21 22.1	+0.1
ANMO	Albuquerque	25.92	322	P	P	02 21 24.0	+1.2
ANMO	Albuquerque	25.92	322	eP	P	02 21 24.0	+1.2
ANMO	Albuquerque	25.92	322	P	P	02 21 24.4	+1.6
TASM	ASL Pad, Albuq	25.92	322	P	P	02 21 24.4	+1.6
TASM	ASL Pad, Albuq	25.92	322	P	P	02 21 24.4	+1.6
M49A	Liberty Center	25.95	5	P	P	02 21 23.5	+0.8
M50A	Fremont	25.98	7	P	P	02 21 23.6	+0.6
M40A	Post Highland	26.01	353	P	P	02 21 23.2	-0.1
L47A	Sherwood	26.36	3	P	P	02 21 27.3	+0.9
L42A	Oliver, Polo	26.42	356	P	P	02 21 27.1	+0.2
L41A	Preston	26.56	354	P	P	02 21 28.1	-0.1
L40A	Anamosa	26.62	353	eP	P	02 21 28.9	+0.1
L40A	Anamosa	26.62	353	P	P	02 21 28.7	-0.1
L39A	Vinton	26.78	352	P	P	02 21 29.6	-0.6
K41A	Shullsburg	27.07	355	P	P	02 21 33.1	+0.3
TUC	Tucson	27.17	312	eP	P	02 21 35.3	+1.3
TUC	Tucson	27.17	312	P	P	02 21 34.3	+0.2
K40A	Colesburg	27.24	354	P	P	02 21 33.6	-0.8
K39A	Delwien	27.34	352	P	P	02 21 34.3	-1.0
JFWS	Jewell Farm	27.37	355	P	P	02 21 35.4	-0.1
SDCO	Great Sand Dun	27.40	327	P	P	02 21 37.0	+0.8
J42A	Columbus	27.47	351	P	P	02 21 38.1	-0.3
J41A	Loganville	27.80	356	P	P	02 21 39.3	-0.1
S22A	JUR Ranch, Cre	28.11	325	P	P	02 21 43.6	+1.1
I42A	Draeger Farm,	28.26	357	P	P	02 21 42.9	-0.6
I39A	Houston	28.43	353	eP	P	02 21 44.8	-0.2
I39A	Houston	28.43	353	P	P	02 21 44.4	-0.6
I41A	Arkdale	28.48	356	eP	P	02 21 45.5	+0.1
I41A	Arkdale	28.48	356	P	P	02 21 45.0	-0.4
X16A	Lo Mia Camp, P	28.79	315	eP	P	02 21 50.5	+1.9
H38A	Maiden Ridge	29.32	353	P	P	02 21 52.3	-0.6
WUAZ	Wupatki	29.38	317	eP	P	02 21 56.5	+2.7
WUAZ	Wupatki	29.38	317	P	P	02 21 55.6	+1.8
G41A	Antigo	29.59	357	P	P	02 21 54.7	-0.6
G42A	Mountain	29.59	358	P	P	02 21 54.4	-0.9
G40A	Rib Lake	29.70	356	P	P	02 21 56.3	-0.1
G38A	Ridgefield	29.76	353	P	P	02 21 55.9	-0.9
G39A	Holcombe	29.80	354	P	P	02 21 56.5	-0.7
SADO	Sadowa	29.88	11	P	P	02 21 58.0	+0.1
SADO	Sadowa	29.88	11	eP	P	02 21 58.0	+0.1

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SPMN	Marine on St.	29.93	352	eP	P	02 21 57.5	-0.8
SPMN	Marine on St.	29.93	352	P	P	02 21 57.4	-0.9
G53A	Haliburton	30.32	12	P	P	02 21 01.5	-0.2
F39A	Loretta	30.41	355	P	P	02 22 01.5	-1.0
F38A	Pierce - Schro	30.54	354	P	P	02 22 02.9	-0.8
E41A	Kenton	30.83	358	P	P	02 22 05.5	-0.7
E39A	Wakefield	30.84	355	P	P	02 22 05.6	-0.8
E40A	Wakefield	30.86	356	P	P	02 22 05.8	-0.7
E38A	The Farm, Brul	31.15	354	eP	P	02 22 08.9	-0.2
E38A	The Farm, Brul	31.15	354	P	P	02 22 08.2	-0.9
E54A	Lac Daplat, Po	31.87	13	P	P	02 22 14.6	-0.8
GMRC	Granite Mounta	31.95	312	P	P	02 22 16.3	0.0
PFO	Pinyon Flats O	31.96	310	P	P	02 22 15.6	-1.0
EYMN	Ely	32.47	355	P	P	02 22 19.6	-1.1
D54A	Lac Fusel, La	32.67	13	P	P	02 22 22.0	-0.4
BW06	Boulder Array	33.21	329	P	P	02 22 27.4	-0.1
PD31	Pinedale Array	33.21	329	eP	P	02 22 27.3	-0.2
PDAR	Pinedale Array	33.21	329	P	P	02 22 27.3	-0.2
PDAR	Pinedale Array	33.21	329	eP	P	02 22 29.4	+1.9
AGMN	Agassiz Nation	33.41	349	eP	P	02 22 28.3	-0.5
AGMN	Agassiz Nation	33.41	349	P	P	02 22 27.8	-1.0
R11A	Troy Canyon, C	33.77	318	P	P	02 22 33.9	+1.6
REDW	Red Top Meadow	34.29	329	eP	P	02 22 38.6	+1.7
SNOW	Snow King Moun	34.31	329	eP	P	02 22 39.1	+2.0
LOHW	Long Hollow	34.35	329	eP	P	02 22 39.1	+1.7
TPAW	Teton Pass	34.43	329	eP	P	02 22 39.9	+1.8
MOOV	Moose Ponds	34.52	329	eP	P	02 22 40.0	+1.2
FXWY	Fox Creek	34.58	329	eP	P	02 22 40.5	+1.1
IMW	Indian Meadow	34.72	329	eP	P	02 22 42.2	+1.5
FLWY	Flagg Ranch	34.74	330	eP	P	02 22 42.6	+1.9
RLMT	Red Lodge	34.85	332	eP	P	02 22 42.9	+1.2
RLMT	Red Lodge	34.85	332	P	P	02 22 44.3	+0.6
H17A	Grant Village	34.91	330	eP	P	02 22 46.3	+0.4
H17A	Grant Village	34.91	330	P	P	02 22 44.5	+2.2
LKWY	Lake	34.95	330	eP	P	02 22 45.3	+2.6
ELK	Elko	34.96	321	eP	P	02 22 45.0	+2.3
PKM	Mpherson Peak	35.02	309	P	P	02 22 44.7	+1.5
ULM	Lac du Bonnet	35.29	350	P	P	02 22 43.7	-1.5
NV01	Nevada	35.61	316	eP	P	02 22 50.4	+2.0
NVAR	Mina Array Bay	35.61	316	P	P	02 22 49.2	+0.8
QLMT	Earthquake Lak	35.64	330	eP	P	02 22 51.9	+3.3
KVN	Kaiserville	35.80	317	eP	P	02 22 52.0	+2.0
HLID	Hailey	36.29	326	eP	P	02 22 55.8	+1.7
HLID	Hailey	36.29	326	P	P	02 22 55.5	+1.5
BOZ	Bozeman (W)	36.30	331	eP	P	02 22 56.1	+2.0
BOZ	Bozeman (W)	36.30	331	P	P	02 22 55.7	+1.6
MCMT	McMurry Canyon	36.34	329	eP	P	02 22 57.3	+2.7
PNTR	Pine Nut	36.82	316	eP	P	02 23 01.8	+3.1
PAHR	Pah Ranch Range	36.99	317	eP	P	02 23 01.7	+1.7
WVOR	Wild Horse Val	38.01	321	eP	P	02 23 10.3	+1.6
M50	Missoula	38.30	330	P	P	02 23 12.1	+1.1
M50	Missoula	38.30	330	P	P	02 23 12.3	+1.3
J08A	Circle Bar Ran	38.45	322	eP	P	02 23 14.1	+1.8
MNMC	Miny Miney	38.58	315	eP	P	02 23 15.5	+1.8
BMO	Blue Mountains	38.71	325	eP	P	02 23 15.0	+0.6
GO01	Chusznica	39.23	153	eP	P	02 23 21.5	+2.1
F10A	Beach Ranch, E	39.38	327	eP	P	02 23 20.8	+0.7
I07A	Izeze	39.48	323	eP	P	02 23 21.9	+0.9
PALN	Waterton Lakes	39.91	333	eP	P	02 23 25.0	+0.6
WINE	Pine Mountain	40.17	321	eP	P	02 23 27.8	+1.0
J04D	Umpqua Nationa	40.59	320	P	P	02 23 31.3	+1.0
NEW	Newport	40.85	329	eP	P	02 23 33.0	+0.9
NEW	Newport	40.85	329	P	P	02 23 32.8	+0.7
D08A	Wollman Farm,	40.98	327	eP	P	02 23 34.6	+1.5
C09A	Chrisman Ranch	41.12	328	eP	P	02 23 35.7	+1.4
G05D	Wamic, OR	41.21	323	P	P	02 23 36.0	+0.9
H04A	Detroit Lake	41.41	322	eP	P	02 23 38.0	+1.1
I03D	Drain, OR	41.59	320	eP	P	02 23 38.7	+0.4
H04D	Lebanon	41.65	321	P	P	02 23 39.1	+0.3
B08A	Colville Reser	42.02	328	eP	P	02 23 42.7	+0.9
LOH	Longmire	42.36	325	eP	P	02 23 46.1	+1.5
FCC	Fort Churchill	42.43	355	eP	P	02 23 52.2	-0.6
D03D	Eldon	43.53	325	P	P	02 23 54.4	+0.5
LLBL	Lillooet	44.73	329	eP	P	02 24 05.2	+1.6
FRB	Fraser Bay	49.81	11	P	P	02 24 41.0	-1.8
YKA	Yellowknife Ar	50.69	344	P	P	02 24 49.6	0.0
YKA	Yellowknife Ar	50.69	344	eP	P	02 26 05.7	-1.1
YKBS	Yellowknife Ar	50.69	344	eP	P	02 24 48.2	-1.2
YKBS	Yellowknife Ar	50.69	344	eP	P	02 26 05.7	-1.1
YKWS	Yellowknife Ar	50.75	344	eP	P	02 24 49.7	-0.3
DLBC	Dease Lake	53.24	333	eP	P	02 25 10.5	+1.7
RES	Resolute Bay	59.26	358	eP	P	02 25 18.8	+0.4
INK	Inuvik	60.33	342	P	P	02 25 58.4	-0.4
INK	Inuvik	60.33	342	eP	P	02 25 59.1	+0.3
DOT	Dot Lake	61.73	335	eP	P	02 26 09.5	+1.0
HDA	Harding Lake	61.99	335	eP	P	02 26 18.7	+0.4
HDA	Harding Lake	61.9					





24d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like RZN, VRI, BOOM, PLOK, OTUK, ULHL, TESR, MLR, etc.

2013 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like JIRN, GEAO, GECZ, GERES, KHC, etc.

1562

Table with columns for station name, frequency, power, and other technical details. Includes stations like BPWA, CAST, SCRK, YKA, YKBS, DLBC, etc.







24h 6h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KHMZ, HATD, ASHO, and SOHO.

2013 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like KKAR, KKRK, SIM, and MANT.

1566

Table with columns for station name, frequency, power, and other technical details. Includes stations like DGZ, MYKA, UPC, and ZAAO.

comp=2.0,4nm,0.7s,baz=313,slow=4.3,SNR=4.6
WRI Warramunga Arr 93.70 111 eP P 06 18 10.3 +0.8
ASAR Alice Springs 94.33 114 eP P 06 18 14.2 -1.7

IDC 24 06:05:20.3;16.0,21.61S;176.72W,h110km,154km,
mb3.5/3,mb1.3.8/3,mb1mx3.4/37,mbtmp3.8/3,Error
ellipse: s-maj=463.0km s-min=38.1km az=156.0,Fiji
islands region

IDC 24 06:07:04.3;1.3,36.83N;21.55E,h0km,mb3.5/5,
mb1.3.6/7,mb1mx3.4/53,mbtmp3.4/7,ML3.4/2,Error
ellipse: s-maj=26.0km s-min=24.6km az=78.0

IDC 24 06:07:08.7;36.59N;21.44E,h12km,1km,ML3.3/20,Error
ellipse: s-maj=2.8km s-min=1.1km az=54.0

IDC 24 06:07:05.2;1.4,36.50N;0.04;21.28E;0.04,h25km,11km,
n96,e1980/112,mb3.5, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for various locations like Methoni, Pylos, Ithomi, etc.

Table with columns: PVO, AML, AML, 06 08 29.9, Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for various locations like Keratoli, Lefkada island, etc.

Table with columns: IDC, BUI, JMA, Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for various locations like Chengdu, Lanzhou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for various locations like Zalesovo, Kurchatov, etc.

NIED 24 06:21:00,32.50N,139.30E,h200km,Mw5.0 Best
double couple: Mo4.2100x1016 NP1.9,97.00000,
852.00000, 1.61.00000. NP2.9,199.00000, 875.00000,
1.40.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Contains station data for various locations like Aogashimamukai, Hachioji, etc.





CMAR	comp=Z,4.0nm,0.6s,baz=53,slow=6.6,SNR=2.3	pP	06 29 07.2 -0.3	
CMAR	comp=Z,1.3nm,0.4s,baz=46,slow=2.6,SNR=3.0	PcP	06 30 28.0 -0.7	
CMAR	comp=Z,1.3nm,0.3s,baz=64,slow=2.1,SNR=7.4	ScP	06 33 54.5 -0.5	
ATKA	Atka Island	38.88 45 eP	06 28 23.1 +0.4	
BILL	Bilibino	38.93 16 eP	06 28 24.2 +1.3	
BILL	Bilibino	38.93 16c iP	06 28 24.1 +1.2	
BILL		e iPP	06 29 08.6 -1.1	
BILL		e	06 29 59.2	
BILL		e	06 30 28.8	
BILL		pmax		
SBUM	Sibu	39.16 226 eP	06 28 23.4 -2.0	
SBUM	Sibu	39.18 226 P	06 28 24.0 -1.4	
TIXI	Tiksi	39.66 355 P	06 28 29.5 +0.7	
TIXI	comp=Z,9.8nm,0.4s,baz=144,slow=6.2,SNR=23	S	06 34 14.6 +0.1	
TIXI	comp=Z,1.6nm,0.6s,baz=210,slow=8.1,SNR=8.8	Tiksi	39.66 355 eP	06 28 28.9 +0.1
TIXI	comp=Z,1.8nm,0.6s	eP	06 28 29.6 +0.7	
TIXI	Tiksi	39.66 355 deP	06 28 29.7 +0.8	
TIXI		iPP	06 29 13.3 -2.5	
TIXI		pmax		
UTHA	Uthaitani	39.76 255 P	06 28 30.3 -0.1	
UMPA	Umpang Tak	39.90 256 P	06 28 33.8 +2.2	
MTKI	Muara Teweh, K	40.38 219 P	06 28 36.3 +0.8	
SRDT	SRDT	40.68 253 P	06 28 37.6 -0.3	
BNSI	Bone	40.89 210 P	06 28 39.3 -0.3	
LNSA	Lhasa	40.99 279 eP	06 28 41.5 +0.5	
LNSA	Lhasa	40.99 279 eP	06 28 41.5 +0.5	
PHET	Kaeng Krachan	41.07 251 P	06 28 41.2 +0.1	
KSM	Kuching	41.10 227 eP	06 28 41.5 +0.1	
KSM	Kuching	41.10 227 P	06 28 41.0 -0.3	
WMQ	Urumqi	41.48 301 P	06 28 44.6 +0.3	
WMQ		pP	06 29 36.8 +1.3	
WMQ		pmax		
WMQ	comp=Z,190nm,0.7s	pmax		
WMQ	comp=Z,870nm,4.1s	pmax		
WMQ	comp=Z,590nm,24.1s	LR LR		
SHL	Shillong	41.69 273 P	06 28 44.9 -1.4	
SHL	Shillong	41.69 273 eP	06 28 45.5 -0.8	
DGZ	Jazzator, Alta	41.78 310 d iP	06 28 47.4 +0.7	
DGZ		pmax		
SPIA	Saint Paul Isl	42.23 39 eP	06 28 50.9 +1.0	
BRDH	Bariadhala	42.99 269 P	06 28 55.1 -1.4	
UNV	Unalaska Valle	43.73 44 eP	06 29 01.7 -0.3	
SKLT	Songkhla	43.78 243 P	06 29 02.7 -0.3	
ZALV	Zalesovo Beam	43.82 316 P	06 29 02.7 0.0	
ZALV	comp=Z,9.7nm,0.5s,baz=99,slow=2.9,SNR=6.6	ScP	06 34 13.9 -0.8	
TRTT	Trang	44.07 245 P	06 29 04.9 -0.3	
SOEI	Soe	44.32 201 P	06 29 17.1 +1.0	
NVS	Novosibirsk	44.84 317 iPP	06 29 11.3 +0.5	
NVS		e iPP	06 29 59.7 +1.5	
NVS		eS	06 35 28.9 -1.6	
NVS		eSS	06 38 41.2 -1.9	
NVS		pmax		
NVS	comp=E,22nm,0.7s	pmax		
NVS	comp=Z,27nm,0.7s	pmax		
NVS	comp=Z,9.0nm,0.8s	pmax		
NVS		smax		
KULM	Kulim	44.99 241 P	06 29 12.0 -0.5	
MYKOM	Kota Tinggi	45.11 235 P	06 29 13.0 -0.4	
MK31	Makanchi Array	45.18 306 eP	06 29 13.8 +0.1	
MK31	Makanchi Array	45.18 306 eP	06 29 13.8 +0.1	
MK31		pmax		
MKAR	Makanchi Array	45.18 306 P	06 29 14.0 +0.3	
MKAR	comp=Z,7.5nm,0.6s,baz=89,slow=10,SNR=725	PcP	06 30 50.2 +0.5	
MKAR	comp=Z,2.5nm,0.4s,baz=82,slow=3.3,SNR=2.3	ScP	06 34 19.3 -1.2	
MKAR	comp=Z,7.5nm,0.7s,baz=77,slow=5.5,SNR=13	S	06 35 34.3 -1.4	
MKAR	comp=Z,2.1nm,0.9s,baz=93,slow=18,SNR=4.4	P	06 29 13.6 0.0	
MAKZ	Makanchi	45.39 306 eP	06 29 15.5 +0.2	
MAKZ	Makanchi	45.39 306 eP	06 29 15.5 +0.2	
RAMN	Ramite	45.66 277 eP	06 29 17.4 -0.6	
JIRN	Jiri	45.77 278 eP	06 29 18.9 0.0	
TPJ	Tanjung Pandan	46.04 227 P	06 29 19.9 -0.8	
PKI	Pulchoki	46.45 279 eP	06 29 23.3 -0.9	
PKIN	Pulchoki	46.45 279 eP	06 29 23.3 -0.9	
KKN	Kakani	46.48 279 eP	06 29 23.9 -0.4	
PPBI	Pangkal Pinang	46.53 229 P	06 29 23.4 -1.1	
DMN	Daman	46.69 279 eP	06 29 25.3 -0.7	
NRKI	Noril'sk	46.74 338 P	06 29 26.3 +0.9	
NRKI	comp=Z,27nm,0.8s,baz=116,slow=3.8,SNR=16	ScP	06 34 26.7 +0.2	
NRKI		S	06 35 57.5 +0.2	
GKN	Gorkha	46.95 280 eP	06 29 27.3 -0.6	
SDPT	Sand Point	47.35 42 eP	06 29 30.6 +0.2	
PDGK	Podgornoye	47.46 301 P	06 29 30.6 -1.0	
KURK	Kurchatov	47.47 311 eP	06 29 31.1 -0.2	
KURK	Kurchatov	47.47 311 d iP	06 29 30.8 -0.5	
KURK		pmax		
KURK	comp=Z,115nm,1.0s	SNR=37	06 29 30.9 -0.5	
DANN	Dangsing	47.56 280 eP	06 29 32.7 0.0	
KOLN	Koldana	47.89 280 eP	06 29 34.7 -0.5	
PSI	Prapat	47.92 240 eP	06 29 33.9 -1.5	
PSI	Prapat	47.92 240 eP	06 29 33.9 -1.5	
PWJI	Pagerwojo	47.98 218 P	06 29 34.6 -1.0	
BKNI	Bangkitan	48.11 236 P	06 29 35.1 -1.6	
PYUN	Pluthan	48.29 280 eP	06 29 38.0 -0.2	
LEM	Lembang	49.03 223 P	06 29 44.9 -0.9	
GSI	Gunungsitoli	49.92 240 P	06 29 49.5 -0.9	
ULHL	Ultho	49.99 300 P	06 29 51.2 +0.2	

TKM2	Tokmak 2	50.34 301 P	06 29 54.0 +0.5	
KSH	Kashi	50.74 297 P	06 29 59.6 +3.2	
KSH		pP	06 30 53.8 +4.1	
KSH		PP	06 36 54.4 +8.6	
KSH		ScS	06 39 23.6 +0.2	
KSH		SS	06 40 36.0 +4.5	
KSH		pmax		
KSH	comp=Z,160nm,0.7s	pmax		
KSH	comp=Z,150nm,6.0s	LR LR		
KSH	comp=Z,510nm,8.6s	LR LR		
KSH	comp=Z,410nm,7.4s	LR LR		
KSH	comp=Z,270nm,8.5s	LR LR		
KZA	Kyzart	50.75 300 P	06 29 57.8 +1.0	
KBK	Karagaybulak	50.86 301 P	06 29 57.7 +0.3	
SLI	Sitikan Island	50.91 41 eP	06 29 59.0 +1.7	
CHMS	Chumysh	50.94 302 P	06 29 57.6 -0.2	
USP	Ospenovka	51.07 302 P	06 29 58.4 -0.4	
AAK	Ala-Archa	51.19 301 P	06 29 59.8 0.0	
AAK	Ala-Archa	51.19 301 eP	06 29 59.7 0.0	
AAK	Ala-Archa	51.19 301 i P	06 29 59.7 0.0	
AAK	Ala-Archa	51.19 301 d iP	06 29 59.5 -0.3	
AAK		pmax		
AAK	comp=Z,27nm,0.7s	SNR=11	51.19 301 P	06 29 59.7 -0.1
UCH	Uchter	51.26 301 P	06 30 01.2 +0.6	
EKSZ	Erkin-Say	51.71 301 P	06 30 03.4 -0.1	
KDAK	Kodiak Island	51.76 39 eP	06 30 04.7 +1.2	
KDAK	Kodiak Island	51.76 39 i P	06 30 04.3 +0.9	
KDAK	Kodiak Island	51.76 39 P	06 30 05.7 +0.6	
AML	Almayashu	51.87 301 P	06 30 04.8 -0.2	
FITZ	Fitzroy Crossi	51.91 196 eP	06 30 05.7 -0.2	
WRAB	Tennant Creek	52.28 186 deP	06 30 05.9 -1.9	
WRAB		pmax		
WRAB	comp=Z,8.0nm,0.5s	SNR=40	52.29 186 eP	06 30 06.1 -1.7
W2	Warramunga Arr	52.30 186 P	06 30 06.1 -1.8	
WRA	Warramunga Arr	52.30 186 P	06 30 06.1 -1.8	
WRA	comp=Z,1.1nm,0.4s,baz=0.8,slow=7.8,SNR=186	PcP	06 31 14.2 -1.7	
WRA	comp=Z,4.9nm,0.7s,baz=360,slow=4.3,SNR=8.2	ScP	06 34 51.1 +0.1	
WRA	comp=Z,6.3nm,0.9s,baz=359,slow=6.6,SNR=8.3	S	06 37 10.1 -5.3	
BVA0	Borovoye Array	52.42 315 i P	06 30 08.1 -0.3	
BVA0		pmax		
BRVK	Borovoye	52.48 315 eP	06 30 08.9 +0.1	
BRVK	Borovoye	52.48 315 d iP	06 30 08.7 -0.2	
BRVK		iPP	06 30 57.3 -0.4	
BRVK		pmax		
BRVK	comp=Z,13nm,0.9s	SNR=8.3	52.48 315 P	06 30 08.7 -0.2
JBP	Jabalpur	52.63 276 eP	06 30 10.2 -0.2	
JBP		eS	06 31 03.6 +4.6	
CTAO	Charters Tower	52.66 172 eP	06 30 10.4 -0.2	
CTAO	Charters Tower	52.66 172 eP	06 30 10.4 -0.2	
CTAO		pmax		
TOLK	Toolik Lake	53.38 26 P	06 30 17.5 +2.2	
TCOL	CIGU, UAF Yank	53.93 30 P	06 30 21.4 +2.2	
COLA	College	53.93 30 eP	06 30 21.2 +2.0	
COLA	College	53.93 30 d iP	06 30 21.3 +2.0	
COLA		pmax		
KK31	Karatay Array	53.96 302 i P	06 30 19.6 -0.2	
KK31		pmax		
POKR	Poker Plat Res	54.11 30 P	06 30 22.4 +1.8	
HDA	Harding Lake	54.33 31 P	06 30 22.9 +0.8	
ILAR	Eielson Array	54.35 30 P	06 30 23.1 +0.8	
ILAR	comp=Z,2.7nm,0.8s,baz=278,slow=6.0,SNR=196	PcP	06 31 23.2 +0.2	
ILAR	comp=Z,6.9nm,0.6s,baz=278,slow=3.5,SNR=7.4	ScP	06 34 59.0 0.0	
NIL	Nilore	54.43 291 eP	06 30 23.7 +0.3	
NIL	comp=Z,129nm,0.7s	SNR=12	54.43 291 eP	06 30 23.7 +0.3
NIL		pmax		
ASAR	Alice Springs	56.02 186 P	06 30 33.4 -1.3	
ASAR	comp=Z,6.0nm,0.6s,baz=19,slow=11,SNR=101	ScP	06 35 07.6 +0.4	
ASAR	comp=Z,2.0nm,0.8s,baz=15,slow=4.7,SNR=4.8	S	06 38 00.3 -4.9	
HYB	Hyderabad	56.34 270 i P	06 30 36.5 -0.7	
HYB		eP	06 31 26.5 +0.1	
HYB		e iPP	06 31 33.0 +1.3	
MBWA	Marble Bar	56.46 202 eP	06 30 36.5 -1.3	
KBL	Kabul	57.45 293 eP	06 30 44.4 -0.6	
KBL	Kabul	57.45 293 eP	06 30 44.4 -0.6	
SVE	Sverdlovsk	57.45 320 i iP	06 30 45.1 +0.8	
SVE		pmax		
KHLH	Kahului Airpor	57.89 84 eP	06 30 49.8 +1.8	
ARU	Arti	58.66 320 eP	06 30 52.7 0.0	
ARU	Arti	58.66 320 d iP	06 30 52.5 -0.2	
ARU		iPP	06 31 43.1 +0.7	
ARU		S	06 33 03.0	
ARU		SS	06 34 41.2 +2.5	
ARU		pmax		
POHA	Pohakuloa	59.15 85 eP	06 30 58.9 +2.0	
INK	Inuvik	59.20 26 P	06 30 58.4 +1.5	
INK	comp=Z,60nm,0.6s,baz=293,slow=5.9,SNR=603	S	06 38 48.4 +1.9	
AB31	Akbulak array	59.52 312 i P	06 30 58.5 -0.6	
AB31		pmax		
PUH	Pauahi	59.59 85 eP	06 31 01.9 +2.2	
PALK	Pallekele	59.65 259 eP	06 30 59.7 -0.4	
PALK	Pallekele	59.65 259 i P	06 30 59.8 -0.4	
PALK	Pallekele	59.65 259 eP	06 30 59.7 -0.4	
DZM	Mont Dzumac	60.13 151 eP	06 31 03.3 0.0	
AKTO	Aktyubinsk	60.45 313 P	06 31 04.0 -1.1	
AKTO		pmax		
CRAG	Craig	62.71 40 eP	06 31 21.1 +1.1	
DLBC	Deas Lake	63.37 36 P	06 31 27.0 +2.6	
ARMA	Armidade	63.61 168 eP	06 31 27.3 +1.0	

PRGR	Pernogore	63.66 328 eP	06 31 25.4 -0.7
PRGR		pmax	06 33 45.7
FORT	Forrest	63.76 191 eP	06 31 26.5 -0.5
DIB	Dawson Inlet	63.80 42 eP	06 31 27.7 +0.6
STKA	Stevens Creek	64.01 178 P	06 31 28.2 -0.5
STKA	Stevens Creek	64.01 178 eP	06 31 28.4 -0.3
STKA	Stevens Creek	64.01 178 eP	06 31 28.4 -0.3
GEYT	Alibek	64.52 300 P	06 31 32.4 +0.2
SPAO	Spitsbergen Arr	64.67 349 eP	06 31 34.5 +2.0
HSPB	Hingsund (broa	65.55 348 eP	06 31 39.8 +1.5
TMCR	Tamitsa	65.92 332 eP	06 31 40.9 +0.3
APA	Apaitty	66.14 336 iPP	06 31 42.1 +0.2
APA		i	06 32 15.4
APA		iPP	06 32 36.0 -0.7
APA		pmax	
APA	comp=Z,9.0nm,1.3s	MLR	MLR
BBB	Bella Bella	66.64 42 P	06 31 46.8 +1.4
KLMR	Klimovskoe	66.69 328 eP	06 31 44.6 -0.9
KLMR		e	06 34 13.6
KLMR		pmax	
KLMR	comp=Z,13nm,0.7s	AMP	06 31 44.6 -0.9
KLMR		ePP	06 34 13.7 -1.3
RES	Resolute Bay	67.48 13 P	06 31 51.8 +1.5
HAMF	Hammerfest	67.56 341 eP	06 31 51.6 +0.8
ARCES	ARCES Array B	67.66 340 P	06 31 52.5 +1.0
AREO	ARCES Array S	67.86 340 eP	06 31 52.6 +1.1
KTK1	KTK1	68.62 340 eP	06 31 53.0 +1.5
YKA	Yellowknife Arr	68.69 29 P	06 31 59.1 +1.2
TRO	Tromso	69.47 341 eP	06 32 03.6 +1.0
VRH	Vokhovoporsky	69.78 318 eP	06 32 03.9 -1.0
DAG	Danmarks Havn	70.18 355 i iP	06 32 08.2 +1.3
DAG	Danmarks Havn	70.18 355 i iP	06 32 08.2 +1.3
DAG		pmax	
LPSR	Galich ya Gora	70.67 321 eP	06 32 09.9 -0.4
LPSR		pmax	
OBNS	Obninsk	70.70 324 i P	06 32 09.2 -1.1
OBNS		e iPP	06 32 25.3
OBNS		ePP	06 32 59.4 -2.5
OBNS		pmax	06 34 48.6
SEKA	Sheki	70.86 307 P	06 32 12.0 +0.3
LKRN	Lenkeran, Azer	70.89 304 P	06 32 12.0 +0.2
SHME	Shamm	71.04 289 P	06 32 13.3 +0.3
VSR	Storozhevoye	71.20 319 eP	06 32 12.4 -1.1
A04D	Lummi Island	71.25 44 P	06 32 16.1 +2.3
D03D	Eldon	71.58 45 P	06 32 18.7 +2.8
STEI	Stein		

24d 6h

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other parameters. Includes stations like K04D Chiloquin, OR and N02D Trinity Center.

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Table with columns: Call Sign, Location, Frequency, Power, Mode, and other parameters. Includes stations like CIS Catalina Islan and GSC Goldstone, Bar.

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Table with columns: Call Sign, Location, Frequency, Power, Mode, and other parameters. Includes stations like TUC Tucson and TUC Tucson.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CMU Biological, Jewell Farm, M39A Webside, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like M49A Liberty Center, P46A Rosedale, Q45A Warren Harvey, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like OTAV Otavalo, OTAV Otavalo, SNAAP Sanae, etc.

DC 24 06:35:31.9, 1.5, 15.54N:87.37W, h0km, mb3.5/3, mb1 3.7/6, mb1mx3.4/38, mb1mp3.5/6, ML3.2/3, MS2.8/4, Ms1 2.6/4, ms1mx2.5/30, Error ellipse: s-maj=30.2km, s-min=20.0km, Az=106.9

ISC 24 06:35:36.7, 1.0, 15.54N:01:87.4W:0:1, h35km, n10, c146g, MS2.8/3, Honduras

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

MEX 24 06:49:02.8:0.5, 15.08N:91.82W, h174km, 7km, MD3.8, Mexico-Guatemala border region

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

SJA 24 06:53:20.3:0.6, 21:10S:68:50W, h154km, 5km, ML2.5, MW3.4

DC 24 06:53:20.9:0.7, 21:10S:68:30W, h141km, 9km, mb3.3/3, mb1 3.5/7, mb1mx3.3/25, mb1mp3.3/7, Error ellipse: s-maj=22.7km, s-min=10.0km, Az=102.0

GUC 24 06:53:22.1:0.7, 21:08S:68:52W, h145km, 6km, ML3.5, ISC 24 06:53:20.9:0.8, 21:03S:0:74C, h144km, 8km, n33, c140/56, mb3.6/3, 7C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PB01 IPOC Station P, PB01 IPOC Station P, PB01 IPOC Station P, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WARRAMUNGA ARR, ALICE SPRINGS, WAKE ISLAND HY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Array, ZAA1 Galois Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TOA1 Torodi Ar. Sit, GUMO Guam, WRA Warramunga Arr, etc.

NIED 24 08:18:00, 27.00N, 126.50E, h130km, Mw4.2 Best double couple: M2:19000x1015 NP1:356,000000, 84.7 0.00007, 3: -15.00000. NP2:96.00000, 87.9 0.00000, 1: 136.00000.

NEIC 24 08:18:04.7, 1.8, 26.94N, 126.46E, h141km, 8km, mb4.5/2, Error ellipse: s-maj=16.4km s-min=10.0km az=183.0

JMA 24 08:18:04.9, 0.3, 27.01N, 126.49E, h143km, 4km, M4.3, IDC 24 08:18:04.8, 0.9, 27.03N, 126.59E, h143km, 9km, mb4.0/2.1, mb1.4/1.2, mb1mx3.9/4.6, mbtmp4.4/2.2, Error ellipse: s-maj=16.1km s-min=8.9km az=68.0

ISC 24 08:18:04.8, 0.6, 26.96N, 126.51E, 0.05, h144km, 6km, n89, r1921/117, mb4.3/4.1, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARAO ARCESS Array S, ARCES ARCESS Array B, INK Inuvik, etc.

ISC 24 08:50:02.0, 1.1, 6.75S, 103.66E, 0.1, h35km, n8, n89, r1921/117, mb3.7/7.7, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LEM Lembang, LEM 2.6nm, 0.3s, baz=176, slow=19, SNR=2.3, etc.

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

IDC 24 08:21:46.0, 1.0, 3.90S, 152.29E, h0km, mb3.9/7, mb1.4/1.9, mb1mx3.8/3.5, mbtmp3.9/9, ML1.7/1, MS3.4/1.1, Ms1.3/4/1.1, ms1mx3.2/3.0, Error ellipse: s-maj=28.9km s-min=19.1km az=103.0

NEIC 24 08:21:47.7, 0.8, 3.87S, 152.30E, h10km, mb4.2/7, Error ellipse: s-maj=16.3km s-min=10.0km az=87.0

ISC 24 08:21:51.0, 0.9, 3.96S, 107.152E, 0.1, h35km, n32, r1940/27, mb4.1/1.1, MS3.3, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

IDC 24 08:58:02.9, 2.1, 36.39S, 73.05W, h0km, mb4.2/6, mb1.4/2/1.1, mb1mx4.0/2.9, mbtmp4.2/1.1, ML4.3/5, MS2.8/3, Ms1.2/7/3, ms1mx2.6/2.5, Error ellipse: s-maj=65.0km s-min=15.9km az=97.0

SJA 24 08:58:07.3, 0.8, 36.52S, 72.57W, h14km, 8km, ML4.0, MW4.5

NEIC 24 08:58:12.3, 2.5, 36.55S, 72.44W, h84km, 8km, mb4.2/7, ML4.6(GUC), Error ellipse: s-maj=49.2km s-min=14.5km az=95.0

NEIC Felt [I] at Cabrero, Cauquenes, Cobquecura, [Constitucion], La Laja, Linares and San Ignacio; [III] at Chanco, Chiguayante, Chillan, Chillan Viejo, Concepcion, Los Angeles, Parari, Peltuhue, Quilhue, Ranquil, Talca and Talcahuano; [II] at Curico and Hualqui

GUC 24 08:58:13.6, 0.4, 36.63S, 71.93W, h61km, 2km, ML4.6, n53, r1999/74, mb4.3/5, 4C-5D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCHI Chillan, AGCH Angol, G005 Huala, etc.







24d 9h

Table with columns: PRGR, Name, Value, Unit, Type, Status, Date, Time, etc. Includes entries like Permogore, Umpang Tak, Utaradit, etc.

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Table with columns: HARR, Name, Value, Unit, Type, Status, Date, Time, etc. Includes entries like Harsova, Arta Tunnel, Pinarhisar, etc.

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Table with columns: VTS, Name, Value, Unit, Type, Status, Date, Time, etc. Includes entries like Vitosh, Vitosha, Athens Univer, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like PSZ, DIVS, FRGS, LK2D, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like UPCC, UPCA, UCON, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like CLL, CLM, CLN, etc.



Table with columns: Code, Station Name, Frequency, Power, Direction, and other technical details. Includes entries like PPLA Purkeypale, TRF Thorofore Moun, MCK McKinley, etc.

Table with columns: Code, Station Name, Frequency, Power, Direction, and other technical details. Includes entries like SNAEA Sanae, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, etc.

ISC 24 09:25:38.6i.0.4.34:59Nk:70.26E, hOkM, mb5.4/43, mb1 5.4/48, mb1mx5.4/60, mb1mp5.4/48, MLS.0/5, Error ellipse: s-maj=10.7km s-min=9.1km az=11.0

Table with columns: Code, Station Name, Frequency, Power, Direction, and other technical details. Includes entries like KK31 Karatay Array, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Frequency, Power, Direction, and other technical details. Includes entries like GNI Goni, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.



24d 9h

Table with columns for station name, frequency, power, and other technical details. Includes stations like TRI Trieste, CLL Collm, WATA Walderalm, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like NRS Narsarsuaq, DBIC Dimbokro, COLA College, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like F52A Sundridge, F51A Arnsstein, H56A Elg, etc.

Additional technical information and notes at the bottom right of the page, including coordinates and error ellipse data.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIJUE, RAO, URZ, STKA, WB2, WR1, WRA, AS31, ASAR, NVO1, NVAR, LEM, PD31, PDAR, CM31, CMAR, ECSD, W50A.

PRU 24 10:09:18.4±0.0, 50.252N, 19.01E, h0km, Poland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OJC, QKC, MORC, LANS, KRLC, DPC, VYHS, VYHS.

NEIC 24 10:09:11.0±1.8, 1.37N, 126.92E, h73km, 8km, mb4.2/12, Error ellipse: s-maj=2.4, 1km s-min=15.4km az=55.0

ICD 24 10:09:10.6±2.8, 1.46N, 127.06E, h77km, 22km, mb3.9/8, mb1.4/1.3, mb1mx3.744, mbtmp4.2/9, Error ellipse: s-maj=64.4km s-min=13.0km az=66.0

ISC 24 10:09:13.8±0.6, 1.22N, 0.08E, 126.93E±0.09, h100km, n34, ±187/39, mb4.3/18, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TNTI, LUWI, FAKI, KAPI, FITZ, WRAB, WR1, WRA, WB2, AS31, ASAR, ASAR, CMAR, EIDS, STKA, SONA, SONM, MK01, MK31, MK32, MKAR, MAK2, KDJ, ZALV, ZAA1, KURK, KIWB, GEYT, ABKAR, VUNZ, VNDV.

ICD 24 10:43:01.2±0.9, 31.33N, 103.92E, h0km, mb3.7/11, mb1.3/1.3, mb1mx3.740, mbtmp3.7/13, ML3.6/2, MS3.3/1, Ms1.3/1, ms1mx2.6/45, Error ellipse: s-maj=28.9km s-min=17.1km az=56.0

BUI 24 10:43:05.2, 31.35N, 103.85E, h20km, ML3.6/13, Ms3.5/6, Ms7.3/3/4

ISC 24 10:43:03.3±0.6, 31.32N, 104.00E, 103.63E±0.07, h14km, n19, ±187/27, mb3.6/10, 1C, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CD2, LZH, LZH, LZH, LZH, XAN, XAN, XAN, XAN.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like XAN, XAN, XAN, GYA, GYA, GYA, GYA, KMI, KMI, KMI, CMAR, SONM, SONM, WMQ, WMQ, WMQ, WMQ, KRSR, MKAR, ZALV, KURB, ARCES, AKASO, WRA, ASAR, NOA, ILAR, YKA.

GUC 24 10:55:00.6±0.6, 21.82S, 68.76W, h108km, 3km, ML3.6

ICD 24 10:55:19.8±8.3, 20.25S, 68.18W, h224km, 54km, mb3.1/2, mb1.3/1.3, mb1mx2.9/21, mbtmp3.5/3, Error ellipse: s-maj=59.1km s-min=45.9km az=26.0

ISC 24 10:55:00.9±1.0, 21.35S, 0.04E, 68.81W±0.09, h106km, gkm, n15, ±187/23, 8C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB09, PB09, LVC, PB03, PB03, PB01, PB07, PB07, PB02, PB02, PB04, PB04, PB15, PB08, GO01, LPAZ, LPAZ, YKA.

WEL 24 10:55:40.7±0.7, 32.58S, 18.0E±1.9, h30km, ML4.5/17, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLKZ, MXZ, WMGZ, HAZ, PKGZ, PKGZ, PUKZ, RUGZ, RUGZ, TWGZ, TWGZ, OPRZ, MWZ, MWZ, CNZ, TKGZ, URZ, URZ, RIGZ, MUGZ, MUGZ, SNGZ, PRRZ, PRGZ, TLZ, RAHZ, RAHZ, MTHZ, MRHZ, MRHZ, ARHZ, BKZ, KWHZ.

ISK 24 10:55:46.5, 38.85N, 26.93E, h11km, ML2.1/10

ISC 24 10:55:46.9±0.9, 38.85N, 0.03E, 26.94E±0.03, h12km, 7km, n19, ±187/27, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAND, ZEDA, FOCM, BLCB, URLA, URLA, AKHS, AKHS, ZEY, GMLD, DGB, STEP, STEP, CHOS, SIGR, BAYC, BAYC, AYDB, BOZC, DURS, DURS, LKPK, GELI.

ICD 24 10:56:32.2±10.0, 53.81N, 166.67W, h0km, mb3.3/7.6, mb1.4/1.6, mb1mx3.6/47, mbtmp3.7/6, Error ellipse: s-maj=178.1km s-min=43.4km az=79.0

NEIC 24 10:56:43.8±0.0, 53.63N, 165.17W, h34km, mb4.2/17, ML3.7(AEIC), After AEIC

ISC 24 10:56:43.8±1.6, 53.64N, 0.07E, 165.10W±0.04, h35km, 7km, n86, ±123/89, mb4.3/18, Fox Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKSA, AKSA, AKUT, ZRO, AKMO, AKMO, AKRB, AKRB, UNV, UNV, WESP, WESP, MSW, MSW, MCIR, MCIR, FALS, FALS, OKAK, DRIA, DTI, NIKH, DOL, PS4A, SDPT, VNW, SP1A, CHGN, ATKA, ADK, KIWB, OHAK, KDOK, SVWZ, RSO, BRM, GAMB, ANM, SAA, NCH, PPLA, KNK, GHO, CAST, TRF, YAK, BPAW, DIV, KLU, KLU, HMT, MLY, HAR, BALM, ILAR.

ICD 24 10:55:46.4, 38.86N, 26.95E, h7km, 2km, ML2.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MENT, CTGM, SCRR, HYT, DAW, CRAG, EPYK, DLBC, DLBC, INK, INK, YKA, YKA, VCNR, PNTR, YERR, WAKR, NVAR, MDPB, OMMB, PDAR, O20A, H1N2, H1N3, H1N1, PV13.

24d 11h

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like WAKE ISLAND Hy 41.28 223 T, WAKE ISLAND Hy 41.30 223 T, WAKE ISLAND Hy 41.30 223 T, etc.

IDC 24 11:08:34.9.3.2, 3.08N:127.78E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/37, mbtms3.6/4, Error ellipse: s-maj=100.8km s-min=54.2km az=83.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi 21.15 186 P, WRA Warramunga Arr 23.77 165 P, ASAR Alice Springs 27.24 168 P, etc.

NSSP 24 11:16:48.9, 38.43N:45.50E, h8km, Ms3.1 TEH 24 11:16:51.0, 38.37N:45.46E, h8km, ML3.0 ISC 24 11:16:50.6, 1.4, 38.39N:0.05, 45.44E:0.08, h10km, n6, #053/10, 1C-1D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like IMRD Marand 0.39 32 ePg, ITBZ Tabriz 0.58 105 IAMB, IAZR Azarshahr 0.82 149 eSg, etc.

NEIC 24 11:18:33.0.0.0, 17.34N:95.52W, h102km, MD4.0(MEX), After MEX. MEX 24 11:18:33.0.0.6, 17.34N:95.52W, h102km, 8km, MD4.0, Oaxaca

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like CMIG Matias Romero 0.65 112 ePn, HUIG Huatulco 1.66 200 eS, LVIG Laguna Verde 2.52 340 ePn, etc.

IDC 24 11:23:15.8.0.7, 12.06S:165.36E, h0km, mb4.4/16, mb1 4.6/18, mb1mx4.4/37, mbtms4.4/18, ML4.4/2, MS3.6/7, Ms1 3.6/7, ms1mx3.2/31, Error ellipse: s-maj=21.3km s-min=15.5km az=133.0

NEIC 24 11:23:17.5.1.6, 11.38S:165.28E, h10km, 2km, mb4.6/48, Error ellipse: s-maj=15.2km s-min=10.0km az=113.0

ISC 24 11:23:21.0.4.5, 12.01S:165.28E:0.07, h35km, n95, #1501/10, mb4.9/60, MS3.8/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like HNR Honiara 5.83 296 Pn, HNR Honiara 5.83 296 P, HNR Honiara 5.83 296 ePn, etc.

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Main table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like SNZO South Karori 30.34 166 eP, THZ Topouse 30.38 169 eP, WC3 Warramunga Arr 30.70 251 eP, etc.

1582

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like ZAA1 Zalesovo Array 94.07 324 eP, PD31 Pinedale Array 94.54 47 eP, PDAR Pinedale Array 94.54 47 P, etc.

NEIC 24 11:45:34.3.0.0, 17.04N:101.37W, h10km, MD4.0(MEX), After MEX. MEX 24 11:45:35.9.0.5, 17.10N:101.30W, h15km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like ZIIG Zihuatanejo 0.53 342 ePg, ZIIG Zihuatanejo 0.53 342 eSg, ZIIG Zihuatanejo 0.53 342 eP, etc.

IDC 24 11:45:50.6.0.8, 27.62S:176.47W, h0km, mb4.0/6, mb1 4.3/7, mb1mx4.0/27, mbtms4.0/7, ML4.2/1, MS3.7/9, Ms1 3.7/9, ms1mx3.4/29, Error ellipse: s-maj=34.7km s-min=22.4km az=148.0

ISC 24 11:45:55.0.7, 27.9S:0.1x176.5W:0.2, h34km, n27, #1905/20, mb4.0/6, MS3.7/8, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like RAO Raoul Island 1.80 223 Op, RAO Raoul Island 1.80 223 Pn, RAO Raoul Island 1.80 223 eP, etc.

IDC 24 11:47:14.8.2.4, 16.87S:172.42W, h0km, mb4.3/4, mb1 4.4/4, mb1mx3.8/34, mbtms4.3/4, Error ellipse: s-maj=454.0km s-min=154.6km az=72.0, Samoa Islands region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC. Includes stations like CTA Charters Tower 39.26 259 P, STKA Stephens Creek 44.15 241 P, WRA Warramunga Arr 45.25 258 P, etc.

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

IDC 24 11:52:02.0:1.5,35:24S:178:74E,h0km,mb4.4/5, mb1.4,5/6,mb1mx4.1/1.0,mbtmp4.3/6,ML3.3/1,MS3.7/6, Ms1.3/7.6,ms1mx3.3/2.1,Error ellipse: s-maj=35.3km s-min=27.0km az=51.0

NEIC 24 11:52:02.4:0.4,35:10S:178:40E,h10km,3km,mb4.1/7, Error ellipse: s-maj=26.2km s-min=16.3km az=215.0

ISC 24 11:52:06.1:1.35:21S:008:178:5E:0.1,h35km,n26, 170/20,mb4.3/7,MS3.8/6,Off east coast of North Island

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

IDC 24 12:05:26.0:0.9,21:80S:68:11W,h116km,14km,mb3.7/3, mb1.3/8.5,mb1mx3.4/2.5,mbtmp4.1/5, Error ellipse: s-maj=38.2km s-min=21.8km az=122.0

GUC 24 12:05:26.0:0.6,21:66S:68:61W,h128km,4km,ML3.5

ISC 24 12:05:26.2:0.9,21:68S:004:68:46W:0.09,h126km,9km, n21,1,0:093/37,mb3.9/3,9C-4D,Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IPOC Station P, Limon Verde, etc.

SOME 24 12:08:34.6,44:72N:82:02E,h0km NNC 24 12:08:37.0:1.1,44:74N:81:91E,h0km,mb3.5,mpv3.4, Error ellipse: s-maj=12.9km s-min=3.7km az=120.0

ISC 24 12:08:34.7,44:72N:004:82:05E:0.06,h7km,16km, n26,1:29/42,2C-4D,Northern Xinjiang

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

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

NEIC 24 12:25:50.6:0.0,17:08N:101:29W,h17km,MD4.0(MEX), After MEX.

MEX 24 12:25:50.5:0.5,17:07N:101:29W,h16km,7km,MD4.0, Near coast of Guerrero

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

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

NEIC 24 12:40:55.7:0.0,17:09N:101:32W,h16km,MD4.1(MEX), After MEX.

MEX 24 12:40:55.8:0.5,17:11N:101:31W,h16km,8km,MD4.1, Near coast of Guerrero

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

IDC 24 12:50:11.0:3.7,2:20N:127:27E,h238km,31km,mb3.3/4, mb1.3/5.4,mb1mx3.0/3.4,mbtmp3.9/4, Error ellipse: s-maj=126.6km s-min=17.8km az=65.0,Northern Molucca Sea

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

IDC 24 13:19:15.0:1.6,5:57S:130:08E,h0km,mb4.2/2, mb1.3/5.4,mb1mx3.5/4.1,mbtmp3.9/4,ML3.4/2.0, Error ellipse: s-maj=85.0km s-min=28.3km az=70.2,Banda Sea

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

IDC 24 13:23:36.0:0.6,28:33N:142:66E,h0km,mb4.1/2.2, mb1.4/2.24,mb1mx4.1/4.5,mbtmp4.1/24,ML3.1/2,MS3.2/6, Ms1.3/2.6,ms1mx2.9/3.7, Error ellipse: s-maj=18.8km s-min=14.2km az=85.0

MOS 24 13:23:39.2:1.1,28:33N:142:62E,h31km,mb4.5/1.5, Error ellipse: s-maj=13.3km s-min=6.4km az=114.1

NEIC 24 13:23:41.2:0.3,28:35N:142:61E,h35km,mb4.6/1.9, Error ellipse: s-maj=6.6km s-min=5.7km az=76.0

ISC 24 13:23:39.7:0.5,28:23N:008:142:58E:0.02,h25km,n99, 1:52/100,mb4.3/4.0,MS3.4/4,9C-6D,Bonin Islands region

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















IDC 24 14:14:43.0.0.27.695s:176.44W,h0km,mb3.9/6, mb1 4.2/7, mb1mx3.9/59, mbmp3.0/77, ML4.5/1, Error ellipse: s-maj=30.6km s-min=22.3km az=131.0

NEIC 24 14:14:44.4.0.5.27.695s:176.55W,h10km,mb4.5/9, Error ellipse: s-maj=10.8km s-min=8.9km az=102.0

ISC 24 14:14:48.2.0.7.27.785s:0.09:176.6W,0.1,h34km,n28, r1330/30,mb3.9/7, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAO Raoul Island, RAO Rewa, RAO Raulo Island, ONTNC Owen Toro, THZ Tophouse, DZM Mont Dzumac, KHZ Kahutara, OXZ Oxford, FOZ Fox Glacier, LBZ Lake Benmore, AS31 Alice Springs, ASAR Alice Springs, WR1 Warramunga Arr, WRA Warramunga Arr, GSPA South Pole Qui, SNAAS Gnaas, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, PLCA Paso Flores, PLCA Paso Flores, NVAR Mina Array Bea, ILAR Eielson Array, MK32 Makanchi Array, MKAR Makanchi Array, AKASG Malin Array Be, TORD Torodi Arr, TOA1 Torodi Arr.

DDA 24 14:26:57.0, 40.88N:30.42E, h7km,2km, ML2.2

ISK 24 14:26:57.2, 40.86N:30.36E, h6km, ML1.9/18, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SAUV Serdivan-Sakar, KAND Kocaeli-Kandir, GEVY SAKARYA, SAHE Sakarya, GULT Gulverner, HRT Hereke, SILT Site, ADVT Abdulvahap, MDUB Mudurnu, CAVI Cavusko, VLV Yalova, Ozeo, BRUK Saricakaya, SRY Buyukada, BORA Eskisehir, KAVV Kandilli-Istan, ISK Istanbul-Kandi, KLYT Klyves, ARMT Armutlu, BGKT Bogazkoy, AMUH MHALICIK, CTKS Kastanelik??a, CTYL Yastikoy Yolu.

IDC 24 14:32:53.9.0.9.28.29N:51.66E, h0km, mb3.8/4, mb1 4.0/16, mb1mx3.8/52, mbtp3.8/16, ML2.5/3, MS2.7/1, Ms1 2.7/1, ms1mx2.5/30, Error ellipse: s-maj=20.9km s-min=18.2km az=165.0

TEH 24 14:32:56.4.0.28.42N:51.59E, h20km, ML3.7

THR 24 14:32:56.8.0.0.28.44N:51.59E, h30km

NEIC 24 14:32:56.4.0.0.28.42N:51.59E, h20km, mb4.1/8, ML3.6(THR), MN3.7(TEH), After TEH.

OMAN 24 14:32:59.9.2.1.28.42N:52.01E, h15km, Error ellipse: s-maj=32.2km s-min=16.3km az=48.0

DSN 24 14:33:01.2.1.28.41N:52.03E, h15km, ML3.6/8, Error ellipse: s-maj=21.4km s-min=5.6km az=14.0

ISC 24 14:32:57.6.0.6.28.40N:0.05:51.65E, h24km, n88, r1338/98, mb3.9/18, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GHIR Ghir-Karzin, IKAZ Kazeroun, SHI Shiraz, JHRM Jahrom, IPAR Pars, IRAM Ramesheh, ISAD Sadrabad, IMEH Mehriz, ROKH ROKH, IGAR Garnehr, ICHK Chekchek, IZEF Zefreh, UMQ Um Al-Quwin, NGRK Negar Kerman, SHME Shamm, SHME.

Table with columns: SHME Shamm, KHGB Koh Gabri, YZKH Yazd, YZKH Yazd, TVBK Yazd, ALJ Aljerman, IKLH Kizilirmak, NAZ Nazahood, NAZ Nawza, NAZ Nawza, ASUD Al Ashush, ASUD Al Ashush, ASUD Al Ashush, MSFE Esma-Masafi, MSFE Esma-Masafi, MSFE Esma-Masafi, FAQ Al Faqa, FAQ Al Faqa, FAQ Al Faqa, ANAR Anarak, HATD Hatta, HATD Hatta, HATD Hatta, HATD Hatta, ASHO Ashiyah, ASHO Ashiyah, ASHO Ashiyah, KHMZ Khomayn, KHMZ Khomayn, KRSH Karshahi, MZR Muzera, ALNE Al Ain, ALNE Al Ain, ALNE Al Ain, SOHO Soho, SOHO Soho, SOHO Soho, TPRV Parvadeh, HGO HGO, TKDS Koohdash, BIDO Bidbid, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, JMDO Jabal Madar, JMDO Jabal Madar, JMDO Jabal Madar, MHTO MHTO, MHTO MHTO, JLJN Jalan Bani Buh, GEYT Alibek, BR101 Keskin Array, BRTR Keskin Array, BRTR Keskin Array, BRTR Keskin Array, GAR Garm, BTK Batken, ARSB Arslanbob, ABKAR Akbulak array, AKTO Aktyubinsk, AAK Ala-Arta, BVAR Borovoye Array, KURBS Kurchatov Arr, MK32 Makanchi Array, MKAR Makanchi Array, MKOR Moravsky Berou, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, FJAO FINESS Array, FINES FINESS Array, CMAR Chiang Mai Arr, TOA1 Torodi Arr, TORD Torodi Arr, DBIC Dimbokro, DBIC Dimbokro, ILAR Eielson Array, YKA Yellowknife Arr, YKBS Yellowknife Arr, WRA Warramunga Arr, WR1 Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs.

NEIC 24 14:55:06.9.0.0.17.67N:102.20W, h10km, MD4.2(MEX), After MEX.

MEX 24 14:55:07.9.0.5.17.70N:102.21W, h16km,9km, MD4.2, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ZIG Zihuatanejo, ZIG Zihuatanejo, ZIG Zihuatanejo, MMIG Aquila, MMIG Aquila, ARIG Puente Sto Nin, ARIG Puente Sto Nin, ARIG Puente Sto Nin, CAIG El Cayaco, CAIG El Cayaco, PLIG Platanillo, PLIG Platanillo, ZIG Zihuatanejo, ZIG Zihuatanejo, ZIG Zihuatanejo, MMIG Aquila, MMIG Aquila, ARIG Puente Sto Nin, ARIG Puente Sto Nin, ARIG Puente Sto Nin, CAIG El Cayaco, CAIG El Cayaco, PLIG Platanillo, PLIG Platanillo, ZIG Zihuatanejo, ZIG Zihuatanejo, ZIG Zihuatanejo, MMIG Aquila, MMIG Aquila, ARIG Puente Sto Nin, ARIG Puente Sto Nin, ARIG Puente Sto Nin, CAIG El Cayaco, CAIG El Cayaco, PLIG Platanillo, PLIG Platanillo.

ISC 24 15:18:40.4.37.32N:37.13E, h9km, ML1.8/5

DDA 24 15:18:40.8.37.32N:37.10E, h3km,2km, ML2.5

ISC 24 15:18:41.1.0.9.37.30N:0.04:37.1E:0.03, h10km,7km, n15, r0556/21, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GAZ Gaziantep, HCB Kahramanmara, HCB Kahramanmara, AYKD Aykinkavak, KMRS Kahramanmara, KMRS Kahramanmara.

ISC 24 15:18:40.4.37.32N:37.13E, h9km, ML1.8/5

DDA 24 15:18:40.8.37.32N:37.10E, h3km,2km, ML2.5

ISC 24 15:18:41.1.0.9.37.30N:0.04:37.1E:0.03, h10km,7km, n15, r0556/21, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GAZ Gaziantep, HCB Kahramanmara, HCB Kahramanmara, AYKD Aykinkavak, KMRS Kahramanmara, KMRS Kahramanmara.

Table with columns: KAMA Osmaniye, KAMA Osmaniye, GZT Gaziantep, GZT Gaziantep, KUZU Kuzuni, KUZU Kuzuni, ANDN Andirin, ANDN Andirin, ATAB Bozova, ELBS KAHRAMANMARAS, KOZT Kozan, TAHT Tahtakoprui-Hat, AKCD Akcadag, SURC SANLIURFA, URFA Urfa.

MEX 24 15:29:5.0.5.17.36N:101.46W, h16km,14km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ZIG Zihuatanejo, CAIG El Cayaco, ARIG Puente Sto Nin, ARIG Puente Sto Nin, PLIG Platanillo.

MEX 24 15:29:11.3:0.4, 17.94N:100.04W, h60km,5km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MEIG Mezcala, ARIG Puente Sto Nin, ARIG Puente Sto Nin, PLIG Platanillo, CAIG El Cayaco.

WBNET 24 15:47:34.7, 50.26N:12.44E, h9km, MI1.1, 7C-5D, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studeneec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy, LAOW.

PRU 24 15:47:36.6:0.0, 50.28N:12.53E, h0km, West Bohemia Swarm

WBNET 24 15:47:36.2, 50.26N:12.44E, h9km, MI1.4, 4C-4D, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LBCW Luby, NKCC Novy Kostel, VAC Vackov, STCW Studeneec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny, ZHC Zelena Hora, LACW Lazy, LAOW.

WBNET 24 15:47:40.8, 50.26N:12.44E, h9km, MI0.5, 3D, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LBCW Luby, NKCC Novy Kostel, STCW Studeneec, POCW Potky, KVC Kvetna, KRCW Kraslice, SKC Skalna, KACW Kaceov, KOCW Kopaniny.

MEX 24 15:47:51.7:0.6, 16.73N:94.90W, h102km,7km, MD4.2, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CMIG Matias Romero, HUIG Huatulco, HUIG Huatulco, HUIG Huatulco, PLIG Platanillo.

PRU 24 15:48:04.6:0.0, 50.29N:12.47E, h1km, West Bohemia Swarm

WBNET 24 15:48:04.2, 50.26N:12.44E, h9km, MI1.1, 12C-12D, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CMIG Matias Romero, HUIG Huatulco, HUIG Huatulco, HUIG Huatulco, PLIG Platanillo.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBCW Luby, NKC Novy Kostel, NKC Comp=Z,90nm,0.2s, etc.

PRU 24 15:55:16.3-0.7, 51.49N-16.11E, h1km, ML3.0/7, Error ellipse: s-maj=7.8km s-min=3.3km az=26.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSP Ksiaz, DPC Dobruska-Polom, PVCC Panska Ves, etc.

IDC 24 16:05:44.3-1.8, 178N-123.76E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/36, mbtmp3.5/4, Error ellipse:

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

IDC 24 16:14:08.5-10.0, 179N-125.65E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.3/41, mbtmp3.5/3, Error ellipse: s-maj=220.5km s-min=160.2km az=69.0, Northern

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

JMA 24 16:20:32.8-0.2, 24.81N-122.38E, h2km, 3km, M2.7 TAP 24 16:20:32.8, 24.90N-122.38E, h15km, ML2.9, C

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EOS1 EOS1, TWB1 Santiao Chiao, TWB1, etc.

IDC 24 16:21:49.5-1.1, 24.86N-122.429E, h0km, mb3.0/2, mb1 3.3/3, mb1mx3.1/44, mbtmp3.1/3, ML3.1/1, Error ellipse: s-maj=395.0km s-min=41.0km az=93.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WFSB Wu-fen Shan, YJNG Yonagunijimaku, YJNG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF Shilin, CHGB Renai, CHGB, etc.

TAP 24 16:21:50.3, 24.90N-122.41E, h15km, ML3.2 C JMA 24 16:21:51.1, 24.94N-122.43E, h42km, 2km, M2.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EOS1, TWB1, TWB1, etc.



24d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TAP, TATO, NDT, ANP, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TWB1, EGS, NTC, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WHYT, FULB, CHN5, etc.

JMA 24 16:40:14.8,0.1,24.81N,122.38E,h10km,4km,M2.5
TAP 24 16:40:14.9,24.87N,122.42E,h13km,ML2.9,C
ISC 24 16:40:13.7-1.1,24.86N,0.003,122.41E,0.02,h11km,11km,
n70,c058/107,1D,Taiwan region



Table with columns: ZHN, comp, Az, El, P, S, Pn, Lg, Lg, Time, Res. Includes stations like CEP Cherat, NCHP Chirah Chowk, NIL Nilore, etc.

Table with columns: LZH, comp, Az, El, P, S, Pn, Lg, Lg, Time, Res. Includes stations like LZH comp=Z,18nm,1.1s, LZH comp=Z,52nm,4.8s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DUNU Dundret, MASU Masugnubyn, etc.

BER 24 17:09:41.6: 1.5, 66:78N:21:24E, hOkm, ML1.7, Suspected explosion
UPP 24 17:09:41.6: 0.1, 67:06N:20:95E, hOkm, ML2.0, Explosion
IDC 24 17:09:41.9: 1.2, 67:08N:21:05E, hOkm, mb1 3.0/4.

mb1mx2.9/54, mbtmp2.9/4, ML1.6/4, Error ellipse: s-maj=20.3km s-min=9.5km az=113.0
HEL 24 17:09:42.0: 0.0, 67:06N:20:95E, hOkm, ML2.2, ML2.0(U)/Explosion
ISC 24 17:09:41.4: 0.8, 67:07N:20:02:20:94E:0.02, hOkm, m55, o=877/0, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DUNU Dundret, MASU Masugnubyn, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KBK Karagaybak, ULHL Ulahol, BOOM Boomsokoye usch, CHMS Chumysh, TKM2 Tokmak 2, etc.

IDC 24 17:20:13.8:1.3,30:29N:103:27E, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.3/46, mbtmp3.4/5, Error ellipse: s-maj=46.8km s-min=25.0km az=64.0

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CD2 Chengdu, KMI Kunming, WMO Urumiq, etc.

IDC 24 17:25:30.0:4.5,3:55S:151:66E, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.4/40, mbtmp3.7/4, ML1.5/1, Error ellipse: s-maj=106.2km s-min=59.3km az=138.0, New Ireland region

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

ASAR Alice Springs 26.35 219 P P 17 31 07.8 -0.2
STKA Stephens Creek 29.73 197 P P 17 31 37.5 -0.5

IDC 24 17:48:17.9:2.3,0:44S:129:19E, h0km, mb3.3/3, mb1 3.6/4, mb1mx3.3/33, mbtmp3.4/4, ML3.2/1, MS2.7/1, Ms1 2.7/1, ms1mx2.4/18, Error ellipse: s-maj=119.1km s-min=27.6km az=72.0, Halmahera

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

MEX 24 17:48:19.7:0.4,18:49N:100:65W, h48km, gkm, MD3.9, Guerrero

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like ARIG Puente Sto Nin, PLIG Platanillo, ZIIG Zihuatanejo, etc.

IDC 24 17:50:38.7:6.7,30:48S:178:72W, h0km, mb3.3/2, mb1 3.6/2, mb1mx3.4/23, mbtmp3.3/2, Error ellipse: s-maj=267.4km s-min=61.8km az=155.0, Kermadec Islands

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, FINES Fines Array B, etc.

NEIC 24 18:04:22.2:2.0,35:69N:97:09W, h5km, ML3.3(TUL), After TUL

NEIC Felt at Spencer and Wellston. ANF 24 18:04:22.3:1.0,35:67N:97:08W, h5km, ML3.7/12, Error ellipse: s-maj=15.8km s-min=6.5km az=157.0

TUL 24 18:04:22.2,35:69N:97:09W, h5km, ML3.3

ISC 24 18:04:22.0:0.6,35:72N:0:04:97:08W:0:03, h10km, n33, 22:14:40, Oklahoma

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like OK005 Luther M Schoo, OK002 Wiishire Harra, OK009 Okdale Elemen, etc.

WHTX Lake Whitney, baz=4.6

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like ABTX Abilene, Hawle, AMTX Amarillo, WHAR Woolly Hoolah, etc.

IDC 24 18:09:26.4:1.1,1:82N:125:98E, h0km, mb3.8/6, mb1 3.9/7, mb1mx3.6/50, mbtmp3.8/7, ML2.7/1, Error ellipse: s-maj=97.4km s-min=16.2km az=69.0

NEIC 24 18:09:27.3:0.5,1:92N:126:29E, h10km, mb4.3/4, Error ellipse: s-maj=34.2km s-min=7.3km az=66.0

ISC 24 18:09:27.5:0.9,1:9N:0:2:126:2E:0:3, h10km, n15, 0:87/16, mb4.0/10, Northern Molucca Sea

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like TMTI Ternate, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 24 18:43:36.9:2.6,33:47N:141:27E, h71km, 18km, mb3.3/7, mb1 3.5/11, mb1mx3.3/48, mbtmp3.7/11, Error ellipse: s-maj=35.9km s-min=17.3km az=83.0

JMA 24 18:43:37.9:0.1,33:55N:141:03E, h78km, 3km, M3.8

ISC 24 18:43:37.4:1.4,33:51N:0:04:141:11E:0:10, h72km, 10km, n41, 1:30/49, mb3.7/7, Off east coast of Honshu

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like BSO1 Boso 1, JHJ Hachijo jima 2, JHJC Hachiojimakas, etc.

IDC 24 18:51:26.2:2.9,5:07S:151:60E, h0km, mb4.2/3, mb1 4.4/4, mb1mx3.6/50, mbtmp4.2/4, ML1.8/1, Error ellipse: s-maj=105.3km s-min=36.7km az=124.0

NEIC 24 18:51:36.0:0.8,5:16S:151:27E, h5km, 12km, mb4.2/3, Error ellipse: s-maj=78.0km s-min=9.6km az=130.0

ISC 24 18:51:35.4:1.2,4:8S:0:3:150:9E:0:3, h35km, n11, 0:179/12, mb4.2/5, New Britain region

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like RABL Rabaul, PMG Port Moresby, WB2 Warramunga Arr, etc.

IDC 24 18:58:24.1:43.0,59:10S:150:58E, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.7/33, mbtmp3.9/3, Error ellipse: s-maj=768.0km s-min=269.7km az=143.0, West of Macquarie Island

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like STKA Stephens Creek, H01W1 Cape Leeuwin H, etc.

IDC 24 19:00:15.7:0.8,50:65S:160:15E, h0km, mb3.6/10, mb1 3.9/11, mb1mx3.6/59, mbtmp3.6/11, ML2.5/1, MS3.7/2, Ms1 3.7/2, ms1mx2.6/52, Error ellipse: s-maj=21.2km s-min=19.7km az=154.0

KRSC 24 19:00:18.2:10.0,50:73N:160:11E, h2km, 10km, ML3.9

ISC 24 19:00:21.0:0.8,50:71N:0:07:160:14E:0:07, h35km, n31, 0:584/41, mb3.7/11, East of Kuril Islands

Code Station Name Az AzZ Phase ID Time Res h m s ISC. Includes stations like KDRH Khodutka, KDRR Kuril, KURK Kurchatov, etc.



Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like BSO1 Boso 1, BSO3 Boso 3, JAG Ashikaga, etc.

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like MGNA Meganis, MGNA Meganis, MGNA Meganis, etc.

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like KUR KUR, KUR KUR, KUR KUR, etc.

IDC 24 19:39:23.2, 5.2, 20.28Sx178.18W, h553km, 51km, mb3.2/8, mb1 3.4/9, mb1mx3.2/30, mbtmp4.2/9, Error ellipse: s-maj=77.2km s-min=27.3km az=147.0

ISC 24 19:39:21.0, 0.9, 20.26Sx178.00W, 0.2, h534km, n16, e089/17, mb3.9/8, Fiji Islands region

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like AMT Artemida-Makis, ALIK Alik, KLV Kalavryta, etc.

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, etc.

IDC 24 19:45:31.0, 0.2, 7.352S, 138.74E, h92km, 29km, mb3.3/4, mb1 3.4/8, mb1mx3.2/33, mbtmp3.6/8, Error ellipse: s-maj=33.4km s-min=14.2km az=105.0

ISC 24 19:45:29.1, 1.0, 3.55S, 0.1, 138.6E, 0.1, h71km, n8, e073/10, mb3.6/3, Irian Jaya

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like JAY Jayapura, WRA Warramunga Arr, WRA Warramunga Arr, etc.

KRSC 24 19:58:09.4, 10.0, 48.02N, 153.03E, h240km, 10km, ML4.9 SKHL 24 19:58:11.1, 1.0, 48.33N, 152.38E, h176km, 4km, mb5.2/3, h4.5/5

NEIC 24 19:58:11.5, 0.5, 48.55N, 152.03E, h178km, 5km, mb4.4/6.5, Error ellipse: s-maj=7.9km s-min=2.9km az=146.0

MOS 24 19:58:11.8, 0.9, 48.50N, 152.34E, h185km, mb4.3/19, Error ellipse: s-maj=10.6km s-min=3.9km az=61.3

IDC 24 19:58:13.9, 0.6, 48.59N, 152.02E, h201km, 5km, mb3.6/25, mb1 3.8/30, mb1mx3.6/73, mbtmp4.2/30, Error ellipse: s-maj=12.2km s-min=6.7km az=146.0

ISC 24 19:58:12.2, 0.5, 48.36N, 152.28E, 0.05, h196km, 4km, h195km, p-P, n269, e1974/323, mb4.2/98, 6C-9D, Kuril Islands

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

GRPR Tuman 6.29 228 i/P Pn 19 59 43.0 -0.1 GRPR 6.29 228 i/P Pn 19 59 44.0

GRPR 6.29 228 i/S Pn 19 59 55.5 +0.6 GRPR 6.29 228 i/S Pn 19 59 43.7 +0.6

GRPR 6.29 228 i/S Pn 19 59 44.9 +0.6 GRPR 6.29 228 i/S Pn 19 59 44.9 +0.6

GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8 GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8

GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8 GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8

GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8 GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8

GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8 GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8

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GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8 GRPR 6.29 228 i/S Pn 19 59 45.1 +0.8

ATH 24 19:51:48.5, 38.35N, 20.55E, h16km, 1km, ML2.7/12, Error ellipse: s-maj=2.2km s-min=0.8km az=262.0

THE 24 19:51:48.9, 38.36N, 20.57E, h8km, ML2.8/10, Error ellipse: s-maj=0.8km s-min=0.4km az=167.0

ISC 24 19:51:48.0, 0.9, 38.35N, 20.50E, 0.04, h16km, 6km, n48, e075/65, Greece

Table with columns: Code, Station Name, Az, El, S, P, Sn, Time, Res, h, m, s, ISC. Includes stations like VLS Valsamata, VLS Valsamata, VLS Valsamata, etc.

PAU Pauzhetka 4.27 42 eP Pn 19 59 16.7 -0.3 PAU 4.27 42 eP Pn 19 59 16.7 -0.3

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

PAU Pauzhetka 4.27 42 i/P Pn 19 59 16.8 -0.3 PAU 4.27 42 i/P Pn 19 59 17.5

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0

YSS Yuzh-Sakhalins 6.59 261 eP Pn 19 59 48.0 +1.0 YSS 6.59 261 eP Pn 19 59 48.0 +1.0





Table with columns: Station, Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like KUR Kuril'sk, YUK Yuzh-Kuril'sk, LAGR Lagunnoye, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like TLY Talaya, CAST Castle Rocks, GAT Gaotai, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like KSH Damsay, KKN Kakani, PKI Pulchoki, etc.



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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZKR Zakros, PAIG Paliouri, SGR SIGRI, etc.

2013 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KORT comp=Z,1um,0.5s, ULC Ulcinj, FASA Fasano, etc.

24d 20h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MMA0B Mount Meron ar, MMAI Mount Meron ar, SMTI Salit, etc.

















Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CLL, PRU, MORH, FRGS, FCC, etc.

ATH 25 00:07:53.7, 36°51'N-26°80'E, h130km, ekm, ML2.5/4, Error ellipse: s-maj=6.4km s-min=1.8km az=136.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DAT, KARP, TH1, etc.

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

ATH 25 00:12:55.8, 35°84'N-27°02'E, h26km, 2km, ML2.5/3, Error ellipse: s-maj=2.6km s-min=1.0km az=150.0

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

IDC 25 00:26:26.4-29.3, 0.36°09'N-115°37'W, h0km, Error ellipse: s-maj=125.2km s-min=61.2km az=18.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I57U, I56U, I10CA, etc.

IDC 25 00:29:17.6-1.4, 3°15'S-135°96'E, h0km, mb3.5/3, Ms1 3.6/1, ms1mx2.6/2.1, Error ellipse: s-maj=37.3km s-min=26.0km az=90.0

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

IDC 25 00:37:29.6-37.0, 24°97'S-179°96'W, h533km, 155km, mb3.6/4, mb1 3.7/5, mb1mx3.6/2.9, mbtmp3.6/6, ML2.3/MS3.6/1, Ms1 3.6/1, ms1mx2.6/2.1, Error ellipse: s-maj=37.3km s-min=26.0km az=90.0

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

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

UCR 25 00:46:36.0-2.0, 9°38'N-84°48'W, h14km, 7km, MD3.9, 1D, Costa Rica

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

IGQ 25 00:46:53.0-0.7, 2°S-4°7'W, h66km, MLV3.9, IDC 25 00:46:53.0-1.6, 1.61°S-77°73'W, h162km, 17km, mb3.6/14, mb1 3.8/2.0, mb1mx3.7/3.3, mbtmp4.1/2.0, Error ellipse: s-maj=10.4km s-min=10.4km az=67.0

ISC 25 00:46:53.0-0.6, 1.725°S-0°04'77.8'W, h172km, 5km, n100, r1906/107, mb4.0/16, Ecuador

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







25d 4h

Table with columns: YOJ, TWE, SLBB, NANB, ENA, YMO7, ENTT, NHDH, YMO8, YMO8, YMO1, YMO1, YMO11, YMO11, YMO10, PCYT, NWLT, TWY, NDT, ANP, TWS1, YHNB, NSK, NNS, ETLH, TWD, WHF, TWT, TDCB, IRIF, CHGB, OWD, WHP, HATJ, JKRS, VVDT, HGSD, HGSD, JIJ, EHL, SMLT, SSSLB, SSSLB, TYC, TYC, YULB, ALS, CHNS, CHNS, CHNS, CHN4, TWK, TWK. Includes station names, codes, and coordinates.

2013 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes station names like LVC, PB05, PB06, PB07, HJA, YJA, PB14, SLA, AZAP, PB08, FSA, GO01, GO01, PB11, MNMC, AHML, LPAZ, GO04, CFA, SIV, RO01, CPUP, TRQA, GO06, PLCA, PLCA, PLCA, BDFB, GO07, EFI, VNA3, VNA2, SNA4, DBIC, DBIC, SYOC, ULM, TOA1, TOA1, MAW, NRS, YKA, YKBS, KARS, ASAR, AS31, WR1, WRA, MKK32. Includes station names, codes, and coordinates.

1612

Table with columns: MKAR, TLY, ATH, GVDS, GVD, GVD, GVD, GVD, IMMV, IMMV, IMMV, IMMV, KERA, KERA, KERA, CHAN, CHAN, PRNS, SIVA, SIVA, SIVA, ANKY, LAST, KYTH, KTHR, MEX, PNIG, PNIG, ISK, CSS, CSS, CSS, AKIN, AKIN, MAMM, LFK, LFK, LEF, LEF, LEF, SZAC, SZAC, AKDN, AKDN, ALFC, ALFC, ALFC, EREN, EREN, AKK2, GULN, GULN, ALFC, PPHY, EREN, EREN, AKK2, GULN, GULN, SHBL, GULE, GULE, MMA0B, MMA0B, GEM, GEM, KSDI, KSDI, NATI, NATI, NATI, YUREG, YUREG, KARA, KARA, TAHT, TAHT, CEYNT, CEYNT, KONT, KONT, MMLI, KOZI, HMDT, HMDT, KAMA, KAMA, HCB, DSB, FETY, FETY, YTHR, YTHR, MZDA. Includes station names, codes, and coordinates.

SJA 25 03:51:54.1, 0.7, 22:95S:68:14W, h186km, 8km, ML3.2, MW3.3
IDC 25 03:51:55.7, 0.8, 23:11S:67:88W, h132km, 9km, mb3.9/6, mb1 3.9/1.1, mb1mx3.6/29, mbtmp4.2/11, MS3.1/1, Ms1 3.1/1, ms1mx2.4/19, Error ellipse: s-maj=18.0km s-min=17.7km az=76.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MZDA, DALY, TAVA, PRNI, KRMI, MBRI.

KRSC 25 04:07:08.6±10.0, 49.94N:158.03E, h60km±10km, ML3.6, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SKR, PAU, ALID, KDTR, ASAK, RUS, MUTVR, KRMR, DALK, UGLR, AVH, SMAR, SLDL, KRER, KBTR.

SJA 25 04:17:22.5±0.6, 20.98S:69.66W, h97km±3km, ML2.4, MW3.5

GUC 25 04:17:24.8±0.7, 21.04S:69.69W, h84km±4km, ML3.7

ISC 25 04:17:23.5±1.5, 20.99S:03.6971W, h95km±10km, n20, c0562/37, 9C-3D, Northern Chile

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IPOC, SMAR, PB01, PB02, PB07, PB09, PB08, PB03, PB11, PB04, GO01, PSGCX, PSB06, PB05, PB15, HJA, JMA.

JMA 25 04:19:34.0±2.4, 31.1N:125.24E, h40km, M3.5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JOGS, JIRB, JTJ, JIKM, JISG, JIJ, JKRS, HATJ, IRIF.

NEIC 25 04:30:27.9±0.0, 17.77N:102.28W, h12km, MD4.0 (MEX), After MEX

MEX 25 04:30:27.9±0.0, 17.77N:102.28W, h12km±7km, MD4.0, Near coast of Michoacan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ZIIG, MMIG, ARIG, CAIG, NNC.

az-169.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KK31, AAK, TKM2, AB31, AKTO.

DDA 25 04:46:14.6, 42.27N:40.86E, h6km±4km, ML2.8

ISK 25 04:46:15.3, 42.34N:40.98E, h10km, ML2.9/5

TIF 25 04:46:15.2, 42.41N:40.96E, h38km, 3km

NORS 25 04:46:16.0±0.2, 42.49N:41.20E, h9km, MPVA3.9

ISC 25 04:46:15.0±1.2, 42.41N:0.02±0.10E, h0.03, h6km±11km, n32, c0955/57, Western Caucasus

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BATM, BACA, BOCB, ARXR, CHOM, TKB, DAGI, NEY, SOCI, POSOF, TRABZON, GUZUR, MACK, ONI, LZR, DIGR, KIV, KRIK, BEYR, ZEY, BAYB, LSNR, KBTC, KORR, LACR, KELT, SNOR, DIKM.

IDC 25 04:57:05.4±0.6, 6.49S:154.70E, h0km, mb4.4/13, mb1.4/5/13, mb1mx4.3/35, mbmp4.3/13, MS3.5/6, Ms1.4/5/6, ms1mx3.2/27, Error ellipse: s-maj=26.0km s-min=15.6km az=102.0

NEIC 25 04:57:15.2±2.1, 6.57S:154.72E, h74km±5km, mb4.6/18, Error ellipse: s-maj=17.7km s-min=12.0km az=78.0

ISC 25 04:57:07.8±2.6, 6.51S:154.69E, h0.08, h14km±15km, n68, c0997/71, mb4.6/30, MS3.5/4, 1C

Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RABL, HNR, COEN, PATS, DZM, GUMO, WB2, WR1, WRA, ARMA, MTN, AS31, ASAR, ASAR, H11S3, H11S2, H11S1, STKA, STKA, FORT.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TAU, URU, BKZ, RAR, KSRS, KRSR, KS15, PETK, PE1A, KMI, CM31, CMAR, SONAO, SONM, SHL, SHL, VHL, RAMN, JIRN, PKI, PKIN, KKN, DMN, GKN, KOLN, DANN, PYUN, MK32, MKAR, ILAR, ILAR, ILB, MAKZ, QSPA, ZALV, ZAA1, MAW, KDJ, KSH, KSH, KSH, KSH, KSH, KSH, NV01, NVAR, R11A, YKA, YKB5, BOSA, BDFB, TORO, TORO, TORO, TOA1, TOA1.

SJA 25 04:58:30.1±0.7, 31.149S:68.64W, h26km±2km, ML2.5, MW3.7, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ZON, RTLL, RTVC, AMOG, RTLS, AUCP, AUCP, ASAL, ARCO, ACVD, ACVD, APLL, MRA, VCA, TCA, CYA.

UCR 25 05:10:34.9±1.6, 13.15N:89.23W, h43km±21km, MD3.7, ML3.7, AD, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like UESV, UESV, LFRS, SNET, SNET, UESS, OPAM, UESV, UESV, BOOS, SNVI.

250 5h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like LFU La Fuente, LBRS Las Brisas, PAVA Las Pavas, CEVE Cerro Verde, SBLs San Blas, SNUJE San Jose, RTRR El Retiro, UNIC Santa Ana, PACA Pacaya, LCV Lacayo, VICT Victoria, LLGN La Laguna, CAHU Cacacuatiue, MTO3 Montecristo, LCND La Caada, CNCH Conchagua, IXC Ixcap, CSGN Cosiguina Volc, NIG Las Nubes, PCG Pacaya, FUG Fuego 3, TGUH Tegucigalpa, UN CRIN San Cristobal, CNGN Cerro Negro, SOMN Somoto, ESTN Estel, RCN San Juan de Ri, MATN Matagalpa.

IDC 25 05:25:50.0:3.0,9:64S:119:77E,h0km,mb3.6/1, mb1 3.8/3,mb1mx3.5/34,mbtms3.6/3,ML3.5/2,MS2.8/1, Ms1 3.1/1,ms1mx2.4/39,Error ellipse: s-maj=268.4km s-min=27.8km az=50.0, DJA 25 05:25:53.0:6.0,10:5:4\*11:9E:1,h10km,ML2.8,mb4.5/2, MLV4,1/8, ISC 25 05:25:53.2:1.0,10:29S:0:08:119:48E:0:06,h35km,n18, s=306/19,Sumba region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like WSI Waingapu, WSI WSI, PLAI Plampang, BSSI Bau Bau, SRBI Singaraja, SOEI Soeja, BKSI Bulukumba, BKSI BKSI, JAGI Jajug, BNSI Bone, SPSI Sidrap, TTSI Tana Toraja, WRA Warramunga, WRA WRA, ASAR Alice Springs, ASAR ASAR, CMAR Chiang Mai, H0S2 Diego Garcia, H0S3 Diego Garcia, H0S1 Diego Garcia, KSH Kashi, MKAR Makanchi Array.

IDC 25 05:29:28.4:2.3,34:18N:4:95W,h0km,mb3.4/2,mb1 3.8/3, mb1mx3.4/33,mbtms3.5/3,ML4.2/1,Error ellipse: s-maj=60.6km s-min=14.4km az=89.0, INMG 25 05:29:31.9:2.3,34:16N:4:96W,h19km,ML2.9, Error ellipse: s-maj=7.3km s-min=4.1km az=71.0, IGLI 25 05:29:31.8,34:16N:4:88W,h12km LDG 25 05:29:32.0:0.6,34:25N:4:77W,h2km,M3.2/3,Error ellipse: s-maj=11.5km s-min=5.1km az=177.0, MDD 25 05:29:33.6:1.3,34:34N:5:16W,h0km,mb4.4/30,Error ellipse: s-maj=12.9km s-min=7.1km az=180.0, PRXIMO SFS 25 05:29:36.0,34:50N:5:40W,ML4.4,TEROVAL (MARRUECOS) ISC 25 05:29:30.4:0.8,34:13N:0:03:5:06W:0:03,h15km,n98, s=191/162,2C-3D,Morocco

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IFR Ifrane, IFR IFR, MDT Midelt, MDT MDT, CEU Ceuta, CEU Ceuta, ECEU Ceuta, MELI Melilla, MELI Melilla, MELI Melilla, AVE Averroes, EMIN Mijas, EMIJ Mijas, ALJ Aljibe, ALJ Aljibe, EMAL Malaga-Limoner, EMAL Malaga-Limoner, LJA Lijar, LJA Lijar, LJA Lijar, ESPR Espera, ESPR Espera, ELGU Los Guajares, ELGU Los Guajares, EGOR Sierra Gorda, EGOR Sierra Gorda, EGOR Sierra Gorda, EBER Berja, EBER Berja, EBER Berja.

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Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like QUANTAR, GORA Gora, EMIN Mina Concepcio, PBDV Barranco-do-Ve, PBDV Barranco-do-Ve, PVAQ Vaqueiros, PVAQ Vaqueiros, EGRO El Granado, EGRO El Granado, ECAB El Cabril, ECAB El Cabril, ECAB Ouedasa, EQES Ouedasa, EADA Adamuz, EADA Adamuz, PCVE Castro Verde, PCVE Castro Verde, PVFI Vila Bisbo, PVFI Vila Bisbo, PVFI Vila Bisbo, MORF Marlete, MORF Marlete, SESP Marlete, PBEJ Beja, PBEJ Beja, PBEJ Beja, PTEO Sao Teotonio, PTEO Sao Teotonio, PTEO Sao Teotonio, EMUR La Murta, EMUR La Murta, PNCL Nicolau J Gran, PNCL Nicolau J Gran, PNCL Nicolau J Gran, EBAD Badajoz, EBAD Badajoz, PESTR Estremoz, PESTR Estremoz, ETOB Tobarra, ETOB Tobarra, PAB San Pablo, PAB San Pablo, PMTG Montargil, PMTG Montargil, PMTG Montargil, ESCD Sonseca Array, ESCD Sonseca Array, ESCD Sonseca Array, PMRV Marv??o, PMRV Marv??o, PMRV Marv??o, ALMR Almerir, ALMR Almerir, PMAFR Mafr, PMAFR Mafr, PCBR Castelo Branco, PCBR Castelo Branco, PCBR Castelo Branco, PTOM Tomar, PTOM Tomar, PTOM Tomar, PCAS Casimilo, Conde, PCAS Casimilo, Conde, GTE Guadarrama, GTE Guadarrama, MTE Manteigas, MTE Manteigas, PVIS Viseu, PVIS Viseu, PVIS Viseu, MTO Torere, MTO Torere, MVO Moncorvo, MVO Moncorvo, MVO Moncorvo, MVO Moncorvo.

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Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like EMOS Mosqueruela, PTO Porto, PTO Porto, POLO Lamas de Olo, POLO Lamas de Olo, PBRG Braganca, PBRG Braganca, ECAL Calabor, ECAL Calabor, PCAB Cabril, PCAB Cabril, PCAB Cabril, ERTA Horta de San J, ERTA Horta de San J, ELOB Lobos, ELOB Lobos, PGAV Gavieira, Arco, PGAV Gavieira, Arco, ETSF Etsaut, ETSF Etsaut, ETSF Etsaut, SJPF Ste Jean, SJPF Ste Jean, SJPF Ste Jean, EALK Alkurruntz, EALK Alkurruntz, CSOR Sort, CSOR Sort, EPF Esparros, EPF Esparros, EPF Esparros, CLLI Llivia, CLLI Llivia, GERES GERRS Array B, GERES GERRS Array B, TORD Torodi Ar. Bea, TORD Torodi Ar. Bea, IDC 25 05:42:06.9:2.4,34:17N:4:80W,h0km,mb3.3/2,mb1 3.7/3, mb1mx3.3/43,mbtms3.4/3,ML4.0/1,MS3.1/1,MS1 3.1/1, ms1mx2.3/22,Error ellipse: s-maj=68.8km s-min=15.3km az=93.0, CNRM 25 05:42:08.3:4:34:05N:5:02W,h13km,ml4.0, MDD 25 05:42:08.9:1.8,34:01N:5:37W,h116km=27km,mb2.9/20, Error ellipse: s-maj=21.5km s-min=15.8km az=175.0, SFS 25 05:42:10.0,34:20N:5:60W,ML3.2,SIDI KACEM (MARRUECOS) INMG 25 05:42:12.1:1.8,34:34N:4:90W,h19km,10km,ML2.8, Error ellipse: s-maj=8.0km s-min=5.7km az=153.0, ISC 25 05:42:08.1:1.0,34:13N:0:02:5:03W:0:03,h17km,n8km, s=1100, s=197/163,2C-1D,Morocco

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ECAB, EQES, EADA, PCVE, PFVI, MORF, PBAR, SESP, SESP, PBEJ, PTEO, TTIG, EMUR, PNCL, PNCL, PNCL, PNCL, EBAD, PESTR, PESTR, PESTR, PESTR, PAB, PAB, PMTG, PMTG, PMTG, PMTG, ESDC, ESDC, ESDC, PMRV, PMRV, PMRV, PMRV, PCBR, PCBR, PCBR, PCBR, PTOM, PTOM, PTOM, PTOM, ECHE, PCAS, PCAS, PCAS, MTE, MTE, MTE, PVIS, PVIS, ETOR, ETOR, MVO, MVO, MVO, PVRL, PVRL, PVRL, PVRL, POLO, POLO, POLO, PBRG, PBRG, PBRG, PCAB, PCAB, ERTA, ELOB, PGAV, PGAV, GERS, GERS, TORD, TORD, DBIC, DBIC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, CTA, JAY, ASAR, ASAR, ASAR, WRA, WRA, FITZ, VDA, JOW, MJAR, QSPA, ASAJ, PETK, KSRK, USRK, NVAR, KLR, TXAR, ILAR, SNA, SNA, VNA3, VNA2, CMAR, PDAR, PLCA, SOMN, YKA, MKAR, BVAR, AKTO, ARCES, FINES, FINES, AKIN, BZK, BRTR, BURAR, BIF, BIZ, CBR, VRR, PLO, HARR, TLB, TRPA, DOPH, MLR, CLL, CLL, DPC, DPC, KRC, KRC, MRO, BRG, VOIR, PRU, GPC, WRAC, JAVC, KRUC, SIRR, GZR, KHC, BZS, GERS, HERR, MCON, MCON, WTS, WTTA, SOTA, FETA, ESDC, TORD, TORD, MEX, MEX, MEX, THIG, THIG, PCIG, PCIG, CCIG, CCIG, NDI, PYUN, KOLN, DMN, PKI, JIRN.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAMN, MKAR, MMAR, SOMN, OPO, WRA, ASAR, LPZA, IDC, KHEH, KHEH, KHEH, WSAR, WSAR, KUDL, KUDL, KUDL, SONA, SONA, SONA, SHME, MSFE, HATD, ASHO, BHPL, DHRM, DHRM, DHRM, SMLA, SMLA, SMLA, NAZ, FAQ, ALNE, JOSI, JOSI, JOSI, GEYT, PYUN, KOLN, DANN, DMN, PKI, JIRN, AAK, AAK, RAMN, MKAR, BVAR, MMAR, CMAR, FINES, FINES, ARCES, KLR, TORD, ASAR, INK, YKA, IDC, DZM, STKA, WRA, ASAR, ILAR, YKA, ARCES, IDC, DZM, STKA, WRA, ASAR.

IDC 25 05:42:40.4, 0.5, 20:25S, 0:10, 178.95W, 0:10, h665km, n73, c=075/76, mb3.9/23, 20C-2D, Fiji Islands region

IDC 25 05:57:34.5, 3.7, 23:13N, 70:03E, h0km, mb3.5/4, mb1.3/74, mb1mx3.4/41, mbtmp3.5/4, MS3.5/3, Ms1 3.5/3, ms1mx2.7/45, Error ellipse: s-maj=113.4km s-min=31.3km az=86.0

IDC 25 06:38:17.8, 5.5, 12:29S, 168:68E, h617km, 69km, mb3.0/3, mb1.3/4.5, mb1mx2.8/32, mbtmp4.1/4, Error ellipse: s-maj=85.5km s-min=30.8km az=156.0, Santa Cruz Islands region







25d 8h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WSAR Wadi Sarin, WSAR Kazeroun, ISAD Sadrabad, SMDO Samad, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NIED 25:07:51.00, 41.70N, 143.90E, h20km, Mw4.0, etc.

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Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like RES Resolute Bay, FIAO FINESS Array S, GERES GERES Array B, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PB11 AGUA GUANDACOL, AGUA AGUA, MIMC Minye Minye, etc.

257A	baz=162	58.60 347	P	P	09 01 41.3 +0.3
251A	Midway baz=165	58.63 342	P	P	09 01 40.6 -0.6
153A	Fort Valley baz=162,SNR=9.7	58.73 343	P	P	09 01 41.4 -0.5
250A	Grady comp=Z,12nm,0.8s	58.78 341	eP	P	09 01 42.4 +0.2
250A	Grady baz=159	58.78 341	P	P	09 01 41.8 -0.4
Z56A	Williston baz=164	58.78 346	P	P	09 01 42.3 +0.1
Y60A	Bolivia baz=168	58.81 349	P	P	09 01 41.6 -0.7
152A	Waverly Hall comp=Z,9.6nm,1.0s	58.98 343	eP	P	09 01 42.7 -0.9
152A	Waverly Hall baz=166	58.98 343	P	P	09 01 43.1 -0.5
Y58A	Scranton baz=166	58.98 346	P	P	09 01 43.8 +0.3
151A	Opelika baz=160	59.02 342	P	P	09 01 43.3 -0.5
Z54A	Sparta baz=163,SNR=5.4	59.03 345	P	P	09 01 43.6 -0.3
249A	Camden baz=158	59.03 340	P	P	09 01 43.7 -0.3
SNA4	Snae 59.21 161	P	P	09 01 45.1 +0.3	
SNA4	Snae 59.21 161	P	P	09 01 45.3 +0.5	
SNA4	Snae comp=Z,7.9nm,0.6s,baz=284,slow=8.0,SNR=45	59.21 161	eP	P	09 01 43.6 -1.2
SNA4	Snae comp=Z,9.3nm,0.8s	59.21 161	iP	P	09 01 44.5 -0.3
Y56A	Pelion baz=164	59.21 346	P	P	09 01 45.1 0.0
Z53A	Monticello baz=162	59.26 344	P	P	09 01 45.0 -0.5
150A	Eclectic baz=159,SNR=7.0	59.29 341	P	P	09 01 45.2 -0.5
GOGA	Godfrey baz=162	59.35 344	P	P	09 01 45.7 -0.4
Z52A	Williamson baz=161,SNR=5.1	59.39 343	P	P	09 01 45.9 -0.5
X59A	McDuffie Farm, baz=167	59.43 349	P	P	09 01 46.2 -0.5
Y55A	Galuda baz=164	59.47 346	P	P	09 01 47.0 0.0
149A	Jones baz=158	59.51 341	P	P	09 01 46.5 -0.7
X58A	Rowland baz=166	59.55 348	P	P	09 01 46.9 -0.6
Y54A	Tignall baz=163	59.59 345	P	P	09 01 47.6 -0.2
J5C	Jenkinsville comp=Z,9.7nm,0.7s	59.67 346	eP	P	09 01 48.6 +0.3
J5C	Jenkinsville comp=Z,9.7nm,0.7s	59.67 346	eP	P	09 01 48.6 +0.3
Z51A	Franklin baz=160	59.72 342	P	P	09 01 48.7 +0.1
W60A	Pink Hill baz=168	59.75 350	P	P	09 01 48.8 0.0
Y53A	Monroe baz=162	59.81 344	P	P	09 01 49.1 -0.1
X56A	White Oak baz=165	59.83 347	P	P	09 01 49.5 +0.1
HODGE	Hodges comp=Z,7.7nm,1.1s	59.85 345	eP	P	09 01 49.6 +0.1
BIRD	Birdtown, Kers comp=Z,15nm,0.9s	59.86 347	eP	P	09 01 49.5 0.0
Z50A	Ashland comp=Z,18nm,0.9s	59.87 342	eP	P	09 01 49.6 -0.1
Z50A	Ashland comp=Z,18nm,0.9s	59.87 342	P	P	09 01 49.1 -0.6
X55A	Gracelyn & Ava baz=164	59.94 346	P	P	09 01 50.2 +0.1
Y52A	Liburn comp=Z,16nm,1.0s	59.94 344	eP	P	09 01 50.1 0.0
Y52A	Liburn baz=162,SNR=5.2	59.94 344	P	P	09 01 49.6 -0.5
LRAL	Lakeview Retre comp=Z,1nm,1.0s	59.98 341	P	P	09 01 50.2 -0.2
LRAL	Lakeview Retre baz=158,SNR=5.5	59.98 341	P	P	09 01 49.8 -0.6
W58A	Raeoford baz=167	59.98 348	P	P	09 01 49.8 -0.6
Z49A	Columbiana baz=159	59.99 341	P	P	09 01 49.8 -0.7
X54A	Belton baz=163,SNR=5.4	60.18 345	P	P	09 01 51.9 +0.2
Y51A	Rockman baz=160,SNR=7.2	60.23 343	P	P	09 01 51.6 -0.6
W57A	Gilead baz=166	60.26 348	P	P	09 01 52.4 +0.2
PAULI	Pauline comp=Z,8.9nm,0.9s	60.31 346	eP	P	09 01 52.9 +0.2
X53A	Estanolee baz=162	60.35 345	P	P	09 01 52.6 -0.3
W56A	Indian Trail baz=165	60.35 347	P	P	09 01 52.9 0.0
VBMS	Vicksburg baz=155	60.39 337	P	P	09 01 53.2 0.0
Y50A	Piedmont baz=160	60.41 342	P	P	09 01 52.7 -0.6
HKT	Hockley comp=Z,32nm,1.3s	60.50 331	iP	P	09 01 53.8 -0.1
KM5C	Kings Mountain comp=Z,4nm,1.3s	60.52 347	eP	P	09 01 54.2 +0.2
KM5C	Kings Mountain baz=164	60.52 347	P	P	09 01 54.1 0.0
Y49A	Blount Mountai comp=Z,9.2nm,0.9s	60.57 341	eP	P	09 01 54.2 -0.2
Y49A	Blount Mountai baz=159	60.57 341	P	P	09 01 53.8 -0.7
X52A	Dahlonega baz=162,SNR=5.1	60.60 344	P	P	09 01 54.3 -0.3
W54A	Cherokee Point baz=164,SNR=6.0	60.65 346	P	P	09 01 55.3 +0.3
833A	Chaparral WMA, comp=Z,38nm,0.9s	60.79 327	eP	P	09 01 57.3 +1.3
833A	Chaparral WMA, baz=146,SNR=7.4	60.79 327	P	P	09 01 56.7 +0.6
X51A	Calhoun comp=Z,33nm,0.9s	60.81 343	eP	P	09 01 55.8 -0.2
X51A	Calhoun baz=161,SNR=8.8	60.81 343	P	P	09 01 55.7 -0.4
Y48A	Jasper baz=158	60.85 341	P	P	09 01 55.5 -0.8
X50B	Fort Payne baz=160,SNR=5.1	60.92 342	P	P	09 01 56.3 -0.5
V57A	Coltrane Farms baz=166	60.93 348	P	P	09 01 56.5 -0.3
W53A	Cullowhee baz=163,SNR=5.0	60.96 345	P	P	09 01 57.0 -0.2
V56A	Mocksville comp=Z,20nm,1.0s	60.99 347	eP	P	09 01 57.4 +0.1
V56A	Mocksville baz=165,SNR=6.3	60.99 347	P	P	09 01 57.6 +0.4
W52A	Murphy comp=Z,8.8nm,0.9s	61.07 344	eP	P	09 01 57.6 -0.2
W52A	Murphy baz=162	61.07 344	P	P	09 01 57.6 -0.2
X49A	Woodville baz=159	61.16 342	P	P	09 01 57.9 -0.5
V55A	Taylorsville baz=165,SNR=5.6	61.18 347	P	P	09 01 58.8 +0.3
V54A	Nebo baz=164,SNR=5.0	61.26 346	P	P	09 01 59.0 -0.1
X48A	Hartselle comp=Z,23nm,1.0s	61.31 341	eP	P	09 01 59.1 -0.4
X48A	Hartselle baz=159,SNR=10	61.31 341	P	P	09 01 59.0 -0.4
W51A	Cleveland baz=161	61.35 343	P	P	09 01 59.4 -0.2
V53A	Saluda comp=Z,12nm,1.0s	61.35 345	eP	P	09 01 59.3 -0.4
V53A	Saluda baz=163	61.35 345	P	P	09 01 59.3 -0.4
W50A	Signal Mountai comp=Z,16nm,0.9s	61.53 343	eP	P	09 02 00.4 -0.5
W50A	Signal Mountai baz=160,SNR=8.3	61.53 343	P	P	09 02 00.6 -0.3
CPCT	Cooper Cave comp=Z,12nm,1.1s	61.56 344	eP	P	09 02 00.9 -0.2
NATX	Nacogdoches comp=Z,24nm,1.0s	61.57 333	eP	P	09 02 02.6 +1.4
NATX	Nacogdoches baz=162	61.57 333	P	P	09 02 01.9 +0.7

TKL	baz=151	61.57 345	eP	P	09 02 00.9 -0.2
TKL	Tuckaleechee C comp=Z,12nm,1.0s	61.57 345	eP	P	09 02 00.9 -0.2
TKL	Tuckaleechee C comp=Z,12nm,1.0s	61.57 345	eP	P	09 02 00.9 -0.2
X47A	Russellville baz=158,SNR=7.5	61.62 340	P	P	09 02 00.6 -0.9
V52A	Sevierville comp=Z,9nm,0.9s	61.70 345	P	P	09 02 01.7 -0.3
V52A	Sevierville baz=162	61.70 345	P	P	09 02 01.5 -0.5
SWET	Sewanee comp=Z,9nm,0.9s	61.71 342	eP	P	09 02 02.0 -0.2
W49A	Belvidere baz=160	61.71 342	P	P	09 02 01.6 -0.5
U55A	TA2, Sparta baz=162	61.77 347	P	P	09 02 02.6 0.0
V51A	Loudon comp=Z,13nm,1.1s	61.85 344	eP	P	09 02 02.4 -0.6
V51A	Loudon baz=162	61.85 344	P	P	09 02 03.0 0.0
X46A	Booneville baz=157	61.88 340	P	P	09 02 02.1 -1.1
V50A	Pikeville baz=161,SNR=8.2	61.92 343	P	P	09 02 03.1 -0.3
W48A	Pulaski baz=159,SNR=7.7	61.92 342	P	P	09 02 02.9 -0.6
U54A	Nelsons Funny baz=164	61.95 347	P	P	09 02 03.5 -0.3
U53A	Fall Branch baz=164	61.96 346	P	P	09 02 03.2 -0.6
435B	Jarrell comp=Z,7.4nm,0.9s	61.99 330	eP	P	09 02 04.2 +0.2
OXF	Oxford comp=Z,26nm,1.0s	62.10 339	eP	P	09 02 03.8 -0.9
OXF	Oxford comp=Z,26nm,1.0s	62.10 339	eP	P	09 02 03.8 -0.9
OXF	Oxford comp=Z,26nm,1.0s	62.10 339	eP	P	09 02 03.9 -0.7
PLAL	Pickwick Lake comp=Z,13nm,1.0s	62.12 340	eP	P	09 02 04.2 -0.6
Z41A	Richland Creek comp=Z,14nm,1.1s	62.16 336	eP	P	09 02 05.9 +0.9
V49A	Nicholsville baz=160,SNR=6.0	62.22 343	P	P	09 02 04.6 -0.9
W47A	Westpoint baz=158,SNR=8.5	62.22 341	P	P	09 02 04.6 -0.9
T55A	Pulaski baz=165	62.31 348	P	P	09 02 06.5 +0.4
U51A	La Follette baz=162	62.31 345	P	P	09 02 06.2 +0.1
TZTN	Tazewell comp=Z,13nm,1.1s	62.36 345	eP	P	09 02 06.0 -0.4
TZTN	Tazewell baz=162	62.36 345	P	P	09 02 05.8 -0.5
V48A	Smith Brothers comp=Z,11nm,0.7s	62.45 342	eP	P	09 02 06.9 -0.1
V48A	Smith Brothers baz=159,SNR=6.0	62.45 342	P	P	09 02 06.2 -0.7
T53A	Wise baz=164	62.55 346	P	P	09 02 07.0 -0.7
U50A	Janestown baz=161,SNR=5.5	62.55 344	P	P	09 02 06.9 -0.7
X43A	Marvell comp=Z,33nm,1.0s	62.60 338	eP	P	09 02 08.4 +0.5
WLAR	White Oak Lake comp=Z,43nm,1.0s	62.66 336	eP	P	09 02 09.7 +1.5
V47A	Nunnely baz=158,SNR=5.7	62.73 341	P	P	09 02 07.9 -1.2
T52A	Halle baz=163	62.77 346	P	P	09 02 09.1 0.0
JCT	Junction City comp=Z,17nm,0.8s	62.77 328	eP	P	09 02 10.0 +0.7
JCT	Junction City comp=Z,17nm,0.8s	62.77 328	eP	P	09 02 10.0 +0.7
JCT	Junction City baz=146,SNR=5.3	62.77 328	P	P	09 02 09.6 +0.3
T51A	Gray baz=162	62.86 345	P	P	09 02 09.0 -0.6
V46A	Holladay baz=158	62.89 341	P	P	09 02 09.1 -0.7
U49A	Red Boiling Sp baz=166	62.89 343	P	P	09 02 09.1 -0.7
S55A	Lewisburg baz=166	62.89 348	P	P	09 02 10.0 +0.1
WHTX	Lake Whitney, comp=Z,15nm,0.9s	62.96 331	eP	P	09 02 11.1 +0.6
WHTX	Lake Whitney, baz=148	62.96 331	P	P	09 02 10.7 +0.3
HPIG	comp=Z,5.5nm,0.9s	63.03 321	eP	P	09 02 12.2 +0.9
U48A	Cassidy Pea, Po baz=160	63.09 342	P	P	09 02 10.7 -0.6
WVT	Waverly comp=Z,24nm,0.8s	63.11 341	eP	P	09 02 10.7 -0.6
WVT	Waverly comp=Z,24nm,0.8s	63.11 341	eP	P	09 02 10.7 -0.6
WVT	Waverly baz=158	63.11 341	P	P	09 02 10.5 -0.8
T50A	Nancy baz=161	63.13 344	P	P	09 02 10.5 -0.9
S53A	Williamson baz=164	63.13 347	P	P	09 02 10.9 -0.6
U47A	Clarksville baz=159,SNR=14	63.24 342	P	P	09 02 11.4 -0.7
X40A	Basin Creek Fa baz=153	63.27 336	P	P	09 02 12.9 +0.5
R54A	Victor baz=165	63.38 348	P	P	09 02 13.1 0.0
T49A	Edmonton comp=Z,8.8nm,0.4s	63.38 343	eP	P	09 02 12.6 -0.5
T49A	Edmonton baz=161,SNR=6.6	63.38 343	P	P	09 02 12.2 -0.9
S51A	Beattyville baz=163	63.42 345	P	P	09 02 13.4 +0.1
U46A	Springville baz=158	63.42 341	P	P	09 02 12.7 -0.7
MIAR	Mount Ida comp=Z,14nm,1.0s	63.60 336	eP	P	09 02 14.8 +0.3
MIAR	Mount Ida comp=Z,14nm,1.0s	63.60 336	eP	P	09 02 14.8 +0.3
MIAR	Mount Ida baz=152,SNR=6.7	63.60 336	P	P	09 02 14.3 -0.3
UTMT	University of comp=Z,61nm,0.9s	63.62 340	eP	P	09 02 14.6 -0.1
T48A	Bowling Green baz				

25d 8h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like AMTX Amarillo, M47A Crowell, O42A Bath, etc.

2013 APR

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

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BBRC Big Bear Solar, EYMN Ely, EYMN Ely, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Columbia Colle, Dagmar, Earthquake Lak, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Khabaz, Bilbino, Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like EOS1, Santiao Chiao, Toucheng, etc.

NEIC 25 08:55:44.3, 0.2, 27.835; 113.111W, h10km, mb4.74, Error ellipse: s-maj=78.4km s-min=32.5km az=105.0

IDC 25 08:55:43.6, 7.5, 27.595; 113.26W, h0km, mb4.0, 5, mb1 4.4/5, mb1mx3.9/4.2, mbmt4.0/5, MS3.3/5, Ms1 3.4/5, ms1mx3.2/1.7, Error ellipse: s-maj=212.3km s-min=177.4km az=112.0, Easter Island region

IDC 25 09:00:17.3, 2.8, 17.535; 178.94W, h528km, 30km, mb3.5/1.1, mb1 3.7/12, mb1mx3.4/4.0, mbmt4.4/12, Error ellipse: s-maj=24.7km s-min=14.5km az=142.0

ISC 25 09:00:18.2, 0.8, 17.735; 0.2, 179.10W, 0.1, h539km, n15, <0.82/16, mb4.0/1.2, Fiji Islands region

TAP 25 08:56:30.0, 24.91N; 122.36E, h14km, ML3.2, C JMA 25 08:56:30.0, 2, 24.81N; 122.39E, h12km, M2.7

MEX 25 09:03:17.3, 0.6, 16.86N; 95.14W, h106km, 7km, MD4.0, Oaxaca





Table with columns: EQUZ, EQES, EMIN, EMIN, OUK, OUK, ECAB, ECAB, EADA, EADA, PBDV, PBDV, PBDV, PBDV, EGRO, EGRO, PVAQ, PVAQ, PVAQ, PVAQ, SESP, SESP, PCVE, PCVE, PCVE, PCVE, PBEJ, PBEJ, PTEO, PTEO, PTEO, PTEO, EAH, EAH, EAH, EAH, EBAD, EBAD, EBAD, EBAD, PNCL, PNCL, PNCL, PNCL, ETOB, ETOB, PESTR, PESTR, PAB, PAB, PAB, PAB, PMTG, PMTG, PMTG, PMTG, PMRV, PMRV, PMRV, PMRV, PCBR, PCBR, PCBR, PCBR, PTOM, PTOM, PTOM, PTOM, MVO, MVO, POLO, POLO, POLO, POLO

JMA 25 11:30:55.0,0.3,43.71N:147.99E,h18km,M3.7
SKHL 25 11:30:56.9,0.2,43.87N:148.06E,h65km,2km,mb4.4/4
ISC 25 11:30:58.2,2.6,44.0N:0.1x147.9E:0.2,h70km,n12,
#082/20,Kuril Islands

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

Table with columns: JNK, JAR, JCH, JNK, JCH, JKB, IDC 25 11:44:52.7,1.4,13.98N:93.20E,h0km,mb3.8/6,
m1 4.0/6,mb1mx3.6/49,mbtmp3.8/7,ML3.7/1,MS3.3/5,
Ms1 3.4/5,ms1mx2.9/41,Error ellipse: s-maj=57.0km
s-min=18.5km az=63.0
ISC 25 11:45:54.6,1.2,14.1N:0.1x93.3E:0.1,h10km,n17,
#192/10,mb4.0/6,MS3.7/3,Andaman Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC

IDC 25 12:08:21.5,3.5,12.98N:88.58W,h0km,mb3.7/4,
m1 4.0/6,mb1mx3.6/31,mbtmp3.7/6,ML3.0/2,MS3.0/2,
Ms1 3.0/2,ms1mx2.5/25,Error ellipse: s-maj=86.9km
s-min=43.6km az=25.0
ISC 25 12:08:28.6,2.9,13.1N:0.4x88.9W:0.3,h35km,n8,#192/7,
mb3.6/4,El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC

IDC 25 12:14:15.3,2.4,21.08S:179.06W,h591km,28km,
mb3.4/10,mb1 3.6/12,mb1mx3.4/24,mbtmp4.3/12,Error
ellipse: s-maj=29.4km s-min=16.8km az=155.0
ISC 25 12:14:17.5,0.9,21.2S:0.2x179.1W:0.1,h619km,n14,
#192/13,mb3.8/10,Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC

Table with columns: BRRR, BRRR, BRRR, GIRC, GIRC, PRAC, PRAC, PRAC

NEIC 25 13:05:37.7,0.9,7.86S:104.14E,h10km,mb4.4/5,Error
ellipse: s-maj=22.4km s-min=9.9km az=50.0
IDC 25 13:05:37.4,1.6,7.67S:104.18E,h0km,mb4.1/8,
mb1 4.2/9,mb1mx3.9/49,mbtmp4.1/9,ML3.8/1,Error
ellipse: s-maj=43.5km s-min=19.1km az=44.0
ISC 25 13:05:42.1,1.1,7.75S:0.1x104.2E:0.1,h35km,n30,
#094/27,mb4.3/13,Southwest of Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC

PRU 25 13:12:45.6,0.0,51.43N:16.09E,h0km
BGR 25 13:12:45.4,0.6,51.41N:16.10E,h1km,M3.1/9,Error
ellipse: s-maj=7.8km s-min=3.3km az=21.0
IDC 25 13:12:45.3,0.8,51.45N:16.02E,h0km,mb3.5/1,
mb1 3.6/6,mb1mx3.6/2,mbtmp3.4/6,ML3.0/5,Error
ellipse: s-maj=19.3km s-min=7.6km az=101.0
ISC 25 13:12:43.6,0.7,51.52N:0.03x16.12E:0.02,h0km,n47,
#098/93,Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC



Table with columns: WHF, TDCB, CHGB, CHGB, OWD, OWD, WHP, WHP, SSSL, SSSL, SSSL. Includes station names like Tech, Renal, Taichung City, Suanglung and various parameters.

MEX 25 15:42:00.8-0.5, 18.30N x 103.22W, h4km, g99km, MD3.6. Near coast of Michoacan. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 25 15:48:23.5-8.5, 24.11S-174.88W, h0km, mb3.8/3, mb1.4/1.3, mb1mx3.6/3.3, mbtp3.8/3, MS3.2/3, Ms1 3.2/3, ms1mx2.8/2.4, Error ellipse: s-maj=380.2km, s-min=59.0km. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 25 15:49:18.2-0.8, 51.146N-16.07E, h0km, mb1 3.4/6, mb1mx3.2/5.1, mbtp3.3/6, ML2.8/6, Error ellipse: s-maj=14.3km, s-min=7.7km. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 25 15:49:16.5-1.3, 51.51N-0.04-16.10E, h4km, j01km, n32, r123/63, Poland. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP, UPC, DPC, PVCC, BRG, KRLC, GOC, PRU, CLL, MORC, OKC, VRAC, TRAC, KRUC, NKC, OJC, JAVC, KHC, GERES, SMOL, LANS, MODS, VYHS, CONA, MOA, MOA, MOA, ARSA, AKASG, HFS, FINESS, ARCES.

UCR 25 16:01:23.8-1.9, 10.34N-86.36W, h8km, 11km, MD4.1, ML4.6. IDC 25 16:01:25.0-0.7, 11.41N-85.40W, h0km, mb3.8/7, mb1 4.1/9, mb1mx3.9/3.3, mbtp3.8/9, ML3.4/2, MS3.3/2.

Ms1 3.3/2, ms1mx2.7/32, Error ellipse: s-maj=39.9km, s-min=10.3km, az=64.0. NEIC 25 16:01:28.4-1.5, 10.61N-86.01W, h34km, 3km, mb4.5/7.0, Error ellipse: s-maj=22.8km, s-min=9.1km, az=203.0. ISC 25 16:01:25.1-2.0, 10.38N-10.08-86.25W, 0.06, h11km, 12km, n261, r166/205, mb4.6/66, 3C, Off coast of Costa Rica

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NY14, GBS3, BUEV, GBS1, GBS2, GBS3, GBS4, GBS5, GBS6, GBS7, GBS8, GBS9, GBS10, GBS11, GBS12, GBS13, GBS14, GBS15, GBS16, GBS17, GBS18, GBS19, GBS20, GBS21, GBS22, GBS23, GBS24, GBS25, GBS26, GBS27, GBS28, GBS29, GBS30, GBS31, GBS32, GBS33, GBS34, GBS35, GBS36, GBS37, GBS38, GBS39, GBS40, GBS41, GBS42, GBS43, GBS44, GBS45, GBS46, GBS47, GBS48, GBS49, GBS50, GBS51, GBS52, GBS53, GBS54, GBS55, GBS56, GBS57, GBS58, GBS59, GBS60, GBS61, GBS62, GBS63, GBS64, GBS65, GBS66, GBS67, GBS68, GBS69, GBS70, GBS71, GBS72, GBS73, GBS74, GBS75, GBS76, GBS77, GBS78, GBS79, GBS80, GBS81, GBS82, GBS83, GBS84, GBS85, GBS86, GBS87, GBS88, GBS89, GBS90, GBS91, GBS92, GBS93, GBS94, GBS95, GBS96, GBS97, GBS98, GBS99, GBS100.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X46A, X53A, X52A, JSC, X55A, X56A, PLAL, W49A, W48A, PAUL, BG3, W52A, W51A, W50A, SWET, W47A, W54A, X58A, UALR, LTX, TXAR, TXAR, TXAR, MIAR, MIAR, CPCT, KMSC, KMSC, W56A, V50A, TKL, TKL, V49A, W41B, W57A, ABTX, ABTX, V47A, V46A, V51A, V53A, WHAR, V52A, X37A, V54A, W39A, W39A, WVT, W55A, V56A, U50A, V57A, U53A, T47A, U40A, T46A, T53A, T52A, WMOK, WMOK, T54A, S51A, S51A, S44A, SIUC, WCI, WCI, S55A, R51A, MSTX, R54A, R55A, Q48A, Q51A, Q51A, Q53A, Q52A, Q54A, Q54A, Q55A, P51A.

25d 16h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like P53A Whipple, P52A Corning, AC50 Alum Creek Sta, etc.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, JMA 25 16:03:49.6, etc.

1626

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TORD Torodi Ar. Bea, YKA Yellowknife Arr, ASAR Alice Springs, etc.









25d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BURAR Bucovina Array, MILM Milestii Mici, etc.

TEH 25 17:15:37.5, 27.93N, 61.28E, h46km, ML4.1
IDC 25 17:15:37.9, 31.28, 00N, 61.13E, h69km, 3.1km, mb3.8/24, mb1.3/8/26, mb1mx2.3/4.7, Error ellipse: s-maj=18.6km

NEIC 25 17:15:38.1, 0.0, 27.98N, 61.19E, h85km, mb4.1/11, ML4.1 (THR), MN4.3 (TEH), After TEH.

THR 25 17:15:38.1, 0.0, 27.91N, 61.00E, h83km
OMAN 25 17:15:44.0, 0.2, 27.43N, 61.07E, h61km, 2.7km, m4.5/9, Error ellipse: s-maj=3.3km s-min=1.7km az=230.0

DSN 25 17:15:46.4, 1.9, 27.40N, 60.70E, h30km, ML4.6/9, Error ellipse: s-maj=67.2km s-min=16.5km az=158.0

ISC 25 17:15:36.1, 0.1, 32.26N, 0.02, 61.18E, 0.02, h35km, n145, 25:44/130, mb4.1/30, Southern Iraq

Main table for 25d 18h section, listing station codes, names, and coordinates for various seismic events.

2013 APR

Main table for 2013 APR section, listing station codes, names, and coordinates for various seismic events.

1630

Table for 1630 section, listing station codes, names, and coordinates for various seismic events.

VIE 25 17:59:51.0, 0.2, 47.34N, 111.02E, h2km, 4.4km, mb0.3/1, m1/0.7, Error ellipse: s-maj=2.1km s-min=1.2km az=36.0, Austria

Table for 1630 section, listing station codes, names, and coordinates for various seismic events.

ROM 25 18:01:34.3, 0.1, 43.502N, 0.003, 12.373E, 0.004, h8km, ML1.3/2, Error ellipse: s-maj=0.3km s-min=0.1km az=2.0, Central Italy

Table for 1630 section, listing station codes, names, and coordinates for various seismic events.

MOS 25 18:02:08.8, 0.8, 17.40N, 147.12E, h2km, mb5.1/68, Error ellipse: s-maj=8.5km s-min=5.1km az=105.5
IDC 25 18:02:08.7, 0.8, 17.42N, 147.24E, h29km, 4.4km, mb4.4/26, mb1.4/5/27, mb1mx4.5/34, mbtmp4.5/27, ML3.2/1, MS3.9/28, Ms1.3/26, ms1mx3.8/42, Error ellipse: s-maj=16.1km s-min=11.4km az=88.0

BUL 25 18:02:11.0, 17.40N, 147.20E, h50km, mb4.8/46, mb5.0/31, Ms4.5/28, Ms7.4/3/23

NEIC 25 18:02:11.2, 0.0, 17.38N, 147.14E, h51km, 5.6km, mb5.0/145, Error ellipse: s-maj=3.3km s-min=3.0km az=94.0

GCMT 25 18:02:12.0, 2.4, 17.40N, 0.03, 147.51E, 0.02, h24km, 1km, MW4.9/65, Moment Tensor Solution, s25, c27, s65, c91; Duration: 0 Moment tensor: Scale 1016N; Mr, 2.23E-19; Mw, 0.15E-10; Mw-2.09E-11; Mw-0.39E-16; Mw, 0.66E-16; Mr, 1.28E-13; Best double couple: M0 628000x10^16 NP1: 0.343, 0.00000, 0.660, 0.00000, 0.900, 0.00000. NP2: 0.163, 0.00000, 0.330, 0.00000, 0.190, 0.00000. Principal axes: T 2.5950, Plg75.0000, Azm25.0000; N 0.0570, Plg0.0000, Azm163.0000; N2 -2.6600, Plg15.0000; Azm73.0000; n1, n2 refers to body waves, cutoff=40s. n1a2 refers to surface waves, cutoff=50s. Triangular

ISC 25 18:02:10.1, 0.3, 17.37N, 0.05, 147.25E, 0.06, h39km, 3km, h39km, pp-P, n147, n1923/440, mb4.9/217, MS4.0/42, 15C-3D, Mariana Islands

Table for 1630 section, listing station codes, names, and coordinates for various seismic events.

1631

Table with columns: MAT, Station, Time, Status, Altitude, Azimuth, Elevation, SNR, etc. Includes stations like Matsushiro, Jayapura, Nakatsue, Rabaul, etc.

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Table with columns: LZH, Station, Time, Status, Altitude, Azimuth, Elevation, SNR, etc. Includes stations like Sadao Pong, Alice Springs, ASAR, etc.

25d 18h

Table with columns: KKN, Station, Time, Status, Altitude, Azimuth, Elevation, SNR, etc. Includes stations like Kakani, Daman, Gorkha, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BR101 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array B, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, GERES GERES Array B, NV01 Mina Array Sit, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIIG Pinotepa, PNIIG Tlapa, TLIG Tlapa, etc.

ISC 25 18:07:41.0:52.0, 13.88S:168:30E, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.5/32, mbtmp3.8/3, Error ellipse: s-maj=685.4km s-min=111.9km az=65.0, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRA Warrungarra Arr, ASAR Alice Springs, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, BUJ 25 18:21:05.0:27.37N:103.08E, h5km, mb3.9/5, ML3.8/19, Ms3.7/8, Ms7.3/6.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMI Kunming, KMI Kunming, KMI Kunming, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, NEIC 25 18:21:08.7:0.8, 27.48N:103.26E, h39km, mb4.3/13, Error ellipse: s-maj=6.8km s-min=5.6km az=65.0, ISC 25 18:21:04.0:4.0, 27.39N:103.003:103.14E:0.05, h10km, n59, s=1933/67, mb4.1/31, 1C, Yunnan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RZN Rozhen, KZD Kurdzhali, PLD Plovdiv, etc.

ISC 25 18:18:43.6:0.9, 5.08N:92.89E, h0km, mb4.0/10, mb1 4.2/12, mb1mx3.8/49, mbtmp4.1/12, MLD 4.1/2, Error ellipse: s-maj=35.9km s-min=16.4km az=42.0, NEIC 25 18:18:44.8:2.3, 5.08N:92.86E, h9km, 14km, mb4.5/6, Error ellipse: s-maj=9.0km s-min=4.7km az=220.0, ISC 25 18:18:46.9:0.6, 4.98N:109.92:88E:0.07, h25km, n59, s=1517/52, mb4.3/16, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LSHI Lhok Sumawe, GMI Gunungsitoli, PKDT Phuket, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, SONAO Songino Array, SONMI Songino Array, WMQ Urumqi, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SLVN Son La, ENH Songo Array, XAN Xian, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, ROM 25 18:35:20.5:0.0, 43.48N:12.44E, h8km, MLO.6/2, Error ellipse: s-maj=0.4km s-min=0.0km az=326.0, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMB Musoniste, PGB Pangyurichte, ALN Alexandroupoli, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, MAK Makanchi Array, MAK Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PSI Prapat, PSI Prapat, PSI Prapat, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, NIL Nilore, AAK Ala-Archa, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NILO Nilore, AAK Ala-Archa, ZALV Zalesovo Beam, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, BARS Barje, BARS Barje, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BARS Barje, BARS Barje, BARS Barje, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, BTK Batken, ARSB Arslanbob, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTK Batken, ARSB Arslanbob, AAK Ala-Archa, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, MAN 25 18:59:55.2, 9.00N:121.99E, h32km, mb3.9, ML2.6, MS2.2, 1C, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MAN 25 18:59:55.2, MAN 25 18:59:55.2, MAN 25 18:59:55.2, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

ISC 25 18:21:02.7:0.6, 27.38N:103.13E, h0km, mb3.9/18, mb1 4.1/18, mb1mx3.9/48, mbtmp4.0/18, Error ellipse: s-maj=24.8km s-min=12.7km az=61.0, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, etc.



25d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMDR Van-Muradiye, VANB Van, TVAN TVAN, AKDM Akdamar-Van, etc.

IDC 25 19:48:22.8, 2.8, 23.01N, 93.83E, h71km, 29km, mb3.3/4, mb1 3.6/6, mb1mx3.1/43, mbmp3.6/6, MS2.1/1, Ms1 2.1/1, ms1mx2.0/20, Error ellipse: s-maj=32.6km s-min=15.4km az=33.0

ISC 25 19:48:21.3, 0.9, 23.19N, 0.09, 93.69E, 0.09, h58km, n17, az=245/27, mb3.6/4, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BRDH Brihadhala, SHL Shillong, CMAR Chiang Mai Arr, RAMN Ramite, JIRN Jiri, etc.

MAN 25 19:50:02.6, 13.24N, 124.88E, h18km, mb4.2, ML2.7, MS3.0, 2C-1D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CNP Catarman, PVCP Virac, BESP Borongan, etc.

JMA 25 19:55:48.9, 0.3, 24.88N, 122.42E, h3km, 4km, M2.5, TAP 25 19:55:49.4, 24.92N, 122.44E, h19km, ML2.9, C

ISC 25 19:55:49.1, 1.1, 24.89N, 0.03, 122.43E, 0.02, h12km, 11km, n63, az=52/94, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TWB1 Santiao Chiao, EOS1 Eos1, EGS Egs, etc.

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Main table with columns: YMO7, YMO8, YMO1, YMO11, ENT1, ENT2, NHDH, YMO10, TWY, NWLT, TAP, TATO, ANP, NDT, NDT, TWS1, YHNB, YHNB, NSK, NSK, NACB, NNS, NNS, ETLH, ETLH, TWD, TWD, WHF, WHF, IRIF, IRIF, TDCB, CHGB, CHGB, OWK, OWK, WHP, WHP, HATJ, HATJ, JKRS, JKRS, WYD, WYD, JIJ, JIJ, HGSD, HGSD, SMLT, SMLT, JNSG, JNSG, SSSL, SSSL, TYC, TYC, YULB, YULB, WHYT, WHYT, FULB, FULB, ALS, ALS, ELN5, ELN5, CHN4, CHN4, TPUB, TPUB, STYT, STYT, WTK, WTK, TWK, TWK, SLGT, SLGT

IDC 25 20:19:22.8, 1.6, 4.08S, 154.04E, h418km, 16km, mb3.6/12, mb1 3.8/15, mb1mx3.5/27, mbmp4.4/15, Error ellipse: s-maj=15.7km s-min=11.2km az=87.0

ISC 25 20:19:20.8, 0.6, 4.02S, 0.09, 154.1E, 0.1, h398km, n20, az=144/27, mb4.0/12, Bougainville-Solomon Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG, JAY Jayapura, CTA Charters Tower, DZM Mont Dzumac, WRA Warramunga Arr, WRA, WRA, ASAR Alice Springs, ASAR, ASAR, ASAR, URZ Urewera, PETK Petroflovsk

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Table with columns: SONM, VANDA, MKAR, ILAR, ZALV, YKA, BOSA, GERES, LPAZ, BDFB, TORD, TORD

MEX 25 20:35:23.4, 0.3, 15.65N, 94.10W, h57km, 19km, MD3.6, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCIG Matias Romero, HUIG Huatulco, CCIG Comitan

IDC 25 20:42:06.2, 1.9, 64.70S, 177.12E, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.8/23, mbmp3.7/4, ML3.5/1, MS3.2/3, Ms1 3.2/3, ms1mx3.1/18, Error ellipse: s-maj=78.6km s-min=27.9km az=70.0

ISC 25 20:42:07.9, 1.7, 64.3S, 0.2, 176.8E, 0.4, h10km, n17, az=15/29, mb3.7/3, Balleny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANDA Vanda, GSPA South Pole Qui, PMSA Palmer Station, RAR Rarotonga, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, ASAR Alice Springs, WRA Warramunga Arr, H08S2 Diego Garcia H, H08S1 Diego Garcia H, H08S3 Diego Garcia H, ILAR Eielson Array, KURBB Kurbatov Arra, AKTO Aktyubinsk, KBZ Khabz, BRTR Berekh Array B

MEX 25 20:44:25.0, 2.5, 16.73N, 94.28W, h142km, 6km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMIG Matias Romero, PCIG Huatulco, HUIG Huatulco

IDC 25 20:52:43.5, 2.1, 24.74N, 122.02E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.2/53, mbmp3.4/4, MS3.0/2, Ms1 3.1/2, ms1mx2.5/23, Error ellipse: s-maj=15.7km s-min=24.7km az=63.0

JMA 25 20:52:44.2, 0.1, 24.83N, 122.38E, h0km, M2.8, TAP 25 20:52:44.2, 24.88N, 122.41E, h17km, ML3.6, C

ISC 25 20:52:43.5, 1.1, 24.89N, 0.02, 122.43E, 0.02, h7km, 8km, n89, az=79/160, mb3.2/4, 1C, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TWB1 Santiao Chiao, EOS1 Eos1, EGS Egs, NTC Toucheng, TIPB Shuangxi, TWK Suao, TWK Suao, NWF Wu-fen Shan, WFSB Wu-fen Shan, WFSB, ILA ilan, ILA ilan, JYNG Yonagunijimaku, JYNG Yonagunijimaku, YOJ Yonaguni jima, YOJ Yonaguni jima, TWE Neicheng, TWE Neicheng, NANB Nanao, NANB Nanao, TWA Mucha, TWA Mucha, ENA Nanao, ENA Nanao





h24km:pP-P,n996,e160/1052,mb4.9/322,MS4.8/56,  
3C2-25D,Kuril Islands

Code	Station Name	A° AZ	Phase	ID	Time	Res
Code	Station Name	A° AZ	Op	ISC	h m s	ISC
SKR	Severo-Kuril's	1.29 297	eP	Sb	22 23 20.5	-1.1
SKR	Severo-Kuril's	1.29 297	eS	Sb	22 23 39.9	+0.9
SKR	Severo-Kuril's	1.29 297	iP	Pn	22 23 22.3	+0.9
SKR	10um,2.0s		AMB	AMB	22 23 23.7	
SKR	8um,0.8s		eS	A	22 23 39.3	+0.3
SKR	75um,0.6s		A	A	22 23 45.2	
SKR	57um,0.6s		AMS	AMS	22 24 07.6	
SKR	48um,13.0s		AMS	AMS	22 24 07.6	
SKR	55um,13.0s		AMS	AMS	22 24 07.6	
SKR	67um,13.0s		AMS	AMS	22 24 07.6	
SKR	Severo-Kuril's	1.29 297	ePN	Pn	22 23 20.7	+0.9
SKR	comp-Z,10um,2.2s		pmax	pmax		
PAU	comp-Z,8um,0.8s		pmax	pmax		
PAU	comp-Z,8um,0.8s	1.53 333	eP	Pn	22 23 25.7	+0.8
PAU	comp-Z,8um,0.8s	1.53 333	eS	Sb	22 23 48.9	+3.1
PAU	comp-Z,8um,0.8s	1.53 333	iP	Pn	22 23 25.9	+1.0
PAU	comp-Z,3um,0.5s		eS	A	22 23 48.1	+2.3
PAU	comp-Z,10um,0.5s		A	A	22 23 52.0	
PAU	comp-Z,9um,0.5s		AMS	AMS	22 24 23.0	
PAU	comp-Z,36um,11.0s		AMS	AMS	22 24 23.0	
PAU	comp-Z,29um,11.0s		AMS	AMS	22 24 23.0	
PAU	comp-Z,29um,11.0s		AMS	AMS	22 24 23.0	
PAU	comp-Z,29um,11.0s	1.53 333	PN	Pn	22 23 25.7	+0.8
ALID	Alaid	1.70 297	eP	Pn	22 23 27.1	+0.3
ALID	Alaid	1.70 297	PN	Pn	22 23 27.1	+0.3
ASAK	Asacha	2.27 360	eP	Pn	22 23 36.8	+1.6
ASAK	Asacha	2.27 360	PN	Pn	22 23 36.8	+1.6
RUS	Russkaya	2.35 9	eP	Pn	22 23 35.9	+0.3
RUS	Russkaya	2.35 9	eS	Sb	22 24 06.0	+1.8
RUS	Russkaya	2.35 9	PN	Pn	22 23 35.9	+0.3
RUS	Russkaya	2.35 9	S	Sb	22 24 06.0	+1.8
MTRV	Mutnovka	2.38 4	eP	Pn	22 23 37.3	+0.6
MTRV	Mutnovka	2.38 4	PN	Pn	22 23 37.3	+0.6
GRL	Gorelyy	2.44 2	P	Pb	22 23 40.7	+1.8
GRL	Gorelyy	2.44 2	PN	Pb	22 23 40.7	+1.8
KRMR	Karymshinskiy	2.72 3	eP	Pn	22 23 42.7	+1.4
KRMR	Karymshinskiy	2.72 3	PN	Pn	22 23 42.7	+1.4
APC	Apacha	2.85 351	eP	Pn	22 23 44.6	+1.5
APC	Apacha	2.85 351	PN	Pn	22 23 44.6	+1.5
PET	Petropavlovsk	2.95 9	eP	Pn	22 23 45.1	+0.7
PET	Petropavlovsk	2.95 9	eS	Sb	22 24 46.0	+1.6
PET	Petropavlovsk	2.95 9	eS	Sb	22 23 43.0	-1.4
PET	Petropavlovsk	2.95 9	iP	Pn	22 23 43.0	-1.4
PET	comp-Z,355nm,0.5s		eS	A	22 24 20.0	+1.1
PET	comp-Z,2um,0.5s		A	A	22 24 30.0	
PET	comp-Z,1um,0.5s		AMS	AMS	22 25 05.0	
PET	comp-Z,22um,12.0s		AMS	AMS	22 25 05.0	
PET	comp-Z,6um,12.0s		AMS	AMS	22 25 05.0	
PET	Petropavlovsk	2.95	9ePN	Pn	22 23 45.0	+0.7
PET	Petropavlovsk	2.95	eS	Sb	22 24 21.4	+2.5
PET	comp-Z,900nm,4.0s		pmax	pmax		
PET	comp-Z,408nm,0.7s		smax	smax		
PET	comp-N,2um,0.5s		smax	smax		
PET	comp-E,3um,0.8s		smax	smax		
DALK	Dalny	2.96 10	eP	Pn	22 23 45.0	+0.4
DALK	Dalny	2.96 10	eS	Sb	22 24 21.9	+2.6
DALK	Dalny	2.96 10	PN	Pn	22 23 45.0	+0.4
DALK	Dalny	2.96 10	S	Sb	22 24 21.9	+2.6
PEA08	Petropavlovsk-	3.00 357	eP	Pn	22 23 47.5	+2.4
PETK	Petropavlovsk-	3.00 357	eS	Sb	22 23 45.3	+0.2
PETK	comp-E,12nm,0.3s,baz=152,slow=15,SNR=82		LR	LR	22 25 12.9	
UGLR	comp-E,3um,18.4s,baz=161,slow=46		Pn	Pn	22 23 49.5	+2.3
UGLR	Uglovaya	3.15 10	PN	Pn	22 23 49.5	+2.3
NLC	Nalytchevo	3.19 16	eP	Pn	22 23 49.3	+1.7
NLC	Nalytchevo	3.19 16	PN	Pn	22 23 49.3	+1.7
AVH	Avacha	3.19 9	eP	Pn	22 23 50.4	+2.5
AVH	Avacha	3.19 9	PN	Pn	22 23 50.4	+2.5
GRL	Somma	3.20 9	eP	Pn	22 23 50.9	+2.9
SMAR	Somma	3.20 9	PN	Pn	22 23 50.9	+2.9
KOK	Koryaka	3.21 8	eP	Pn	22 23 49.7	+1.6
KOK	Koryaka	3.21 8	PN	Pn	22 23 49.7	+1.6
SDLR	Sedlovina	3.22 10	PN	Pn	22 23 49.2	+0.9
SDLR	Sedlovina	3.22 10	PN	Pn	22 23 49.2	+0.9
KRER	Koryakskii	3.23 9	PN	Pn	22 23 51.1	+2.6
KRER	Koryakskii	3.23 9	PN	Pn	22 23 51.1	+2.6
SPN	Mys Shipunskii	3.26 23	eP	Pn	22 23 49.3	+0.6
SPN	Mys Shipunskii	3.26 23	PN	Pn	22 23 49.3	+0.6
KRX	Arik	3.28 8	eP	Pn	22 23 52.5	+3.4
KRX	Arik	3.28 8	PN	Pn	22 23 52.5	+3.4
MKZ	Mys Kozlova	5.02 26	P	Pn	22 24 12.2	-0.6
MKZ	Mys Kozlova	5.02 26	PN	Pn	22 24 12.2	-0.6
KZV	Kizimen	5.21 15	eP	Pn	22 24 18.7	+3.1
KZV	Kizimen	5.21 15	PN	Pn	22 24 18.7	+3.1
TUMD	Tumrok D	5.31 15	eP	Pn	22 24 18.2	+1.6
TUMR	Tumrok	5.35 14	PN	Pn	22 24 18.2	+1.6
ESO	Esso	5.84 4	eP	Pn	22 24 26.6	+2.5
ESO	Esso	5.84 4	PN	Pn	22 24 26.6	+2.5
KPT	Kopyto	6.02 12	eP	Pn	22 24 29.5	+2.8
KPT	Kopyto	6.02 12	PN	Pn	22 24 29.5	+2.8
KIRR	Kirishev	6.03 13	PN	Pn	22 24 30.6	+3.8
KIRR	Kirishev	6.03 13	PN	Pn	22 24 30.6	+3.8
BZMR	Bezymyannaya	6.03 14	eP	Pn	22 24 28.9	+2.0
BZMR	Bezymyannaya	6.03 14	PN	Pn	22 24 28.9	+2.0
BZWR	Bezymyanniy-We	6.06 14	eP	Pn	22 24 29.9	+2.6
BZWR	Bezymyanniy-We	6.06 14	PN	Pn	22 24 29.9	+2.6
KOZ	Kozyrevsk	6.07 10	eP	Pn	22 24 30.8	+3.6
KOZ	Kozyrevsk	6.07 10	PN	Pn	22 24 30.8	+3.6
BZGR	Bezymyanniy-Gr	6.07 15	eP	Pn	22 24 29.6	+2.3
BZGR	Bezymyanniy-Gr	6.07 15	PN	Pn	22 24 29.6	+2.3
LGNR	Loginova	6.20 14	eP	Pn	22 24 33.3	+3.9
LGNR	Loginova	6.20 14	PN	Pn	22 24 33.3	+3.9
CIRR	Tsirik	6.25 15	eP	Pn	22 24 32.0	+2.2
CIRR	Tsirik	6.25 15	PN	Pn	22 24 32.0	+2.2
SRDR	Sredinnyy	6.30 9	eP	Pn	22 24 33.3	+2.8
SRDR	Sredinnyy	6.30 9	PN	Pn	22 24 33.3	+2.8
KLY	Klyuchi	6.42 14	PN	Pn	22 24 36.2	+4.2
KLY	Klyuchi	6.42 14	PN	Pn	22 24 36.2	+4.2
BDR	Baidarnaya	6.42 16	eP	Pn	22 24 38.4	+1.7
BDR	Baidarnaya	6.42 16	PN	Pn	22 24 38.4	+1.7
KBTR	Krutoberegovo	6.77 24	eP	Pn	22 24 37.6	+0.7
KBTR	Krutoberegovo	6.77 24	PN	Pn	22 24 37.6	+0.7
KBG	Krutoberegovo	6.79 23	eP	Pn	22 24 40.2	+3.2
KBG	Krutoberegovo	6.79 23	PN	Pn	22 24 40.2	+3.2
SMKR	Semkarok	6.81 17	eP	Pn	22 24 40.4	+2.9
SMKR	Semkarok	6.81 17	PN	Pn	22 24 40.4	+2.9
SMKR	Semkarok	6.83 15	eP	Pn	22 24 40.9	+3.2
SMKR	Semkarok	6.83 15	PN	Pn	22 24 40.9	+3.2
BKI	Bering	7.06 41	PN	Pn	22 24 39.5	-1.3
BKI	Bering	7.06 41	PN	Pn	22 24 39.5	-1.3
KUR	Kuril'sk	8.36 238	iP	Pn	22 24 58.2	+0.5
KUR	comp-E,124nm,0.6s		AMB	AMB	22 25 13.0	
KUR	comp-E,546nm,2.0s		AMB	AMB	22 25 18.5	
KUR	comp-E,927nm,2.0s		eS	A	22 27 09.9	
KUR	comp-E,927nm,2.0s		A	A	22 27 09.9	

KUR	comp-E,475nm,2.0s		AMS	AMS	22 28 05.0	
KUR	comp-E,8um,14.0s		AMS	AMS	22 28 05.0	
KUR	comp-E,4um,14.0s		AMS	AMS	22 28 05.0	
KUR	comp-E,4um,14.0s	8.36 238	ePN	Pn	22 24 57.4	-1.3
KUR	Kuril'sk	8.36 238	S	Smx	22 26 34.5	+2.3
KUR	comp-E,47nm,0.6s		pmax	pmax		
KUR	comp-Z,126nm,0.6s		pmax	pmax		
KUR	comp-N,32nm,0.7s		smax	smax		
KUR	comp-E,134nm,0.7s		smax	smax		
KUR	comp-N,84nm,0.5s		MLR	MLR		
KUR	comp-N,10um,16.0s		MLR	MLR		
KUR	comp-Z,6um,16.0s		MLR	MLR		
KUR	comp-E,6um,12.0s		MLR	MLR		
OSSR	Ossora	9.62 16	eP	Pn	22 25 17.3	+1.4
OSSR	Ossora	9.62 16	PN	Pn	22 25 17.3	+1.4
OSSR	Tymovskoe	9.77 280	iP	Pn	22 25 19.9	+1.9
TYV	comp-E,7.0nm,0.4s		AMB	AMB	22 25 20.9	
TYV	comp-E,757nm,4.0s		eS	A	22 27 09.1	+2.4
TYV	comp-E,15nm,0.5s		A	A	22 27 20.0	
TYV	comp-E,9.0nm,0.5s		AMS	AMS	22 28 54.0	
TYV	comp-E,2um,14.0s		AMS	AMS	22 28 54.0	
TYV	comp-E,3um,14.0s		AMS	AMS	22 28 54.0	
TYV	comp-E,3um,14.0s		AMS	AMS	22 28 54.0	
OKH	Okha	9.90 296	ePN	Pn	22 25 25.7	+6.0
OKH	comp-Z,300nm,11.5s		MLR	MLR		
OKH	comp-Z,10um,15.0s		MLR	MLR		
YUK	Yuzh-Kuril'sk	10.23 238	iP	Pn	22 25 24.4	+0.1
YUK	Yuzh-Kuril'sk	10.23 238	AMB	AMB	22 25 30.9	
YUK	comp-Z,189nm,0.4s		AMB	AMB	22 25 46.0	
YUK	comp-Z,416nm,2.0s		eS	A	22 27 16.4	-1.7
YUK	comp-Z,723nm,2.0s		A	A	22 27 47.4	
YUK	comp-Z,582nm,2.0s		A	A	22 27 47.4	
YUK	comp-Z,3um,17.0s		AMS	AMS	22 29 19.0	
YUK	comp-Z,5um,17.0s		AMS	AMS	22 29 19.0	
YUK	comp-Z,3um,17.0s		AMS	AMS	22 29 19.0	
YUK	Yuzh-Kuril'sk	10.23 238	iPN	Pn	22 25 27.9	+3.6
YUK	Yuzh-Kuril'sk	10.23 238	eS	Sb	22 27 24.9	+6.8
YUK	comp-E,128nm,0.4s		pmx	pmx		
YUK	comp-Z,189nm,0.4s					



DLMT	Dillon	comp=Z,16nm,1.1s	56.85	57	eP	P	22 32 43.1 +1.5
PNRV	Pine Nut	comp=Z,25nm,1.6s	56.89	67	eP	P	22 32 42.2 +0.2
KIROV	Kirov	baz=32,37nm,1.7s	56.99	324	LR	LR	22 59 50.8
HLID	Hailey	comp=Z,631nm,18.9s	57.00	60	eP	P	22 32 44.7 +2.0
HLID	Hailey	comp=Z,12nm,1.4s	57.00	60	P	P	22 32 43.5 +0.8
MCMT	McKenzie Canyo	baz=310,SNR=6.8	57.05	58	eP	P	22 32 43.5 +0.3
SUMG	Summit	comp=Z,62nm,1.0s	57.07	6	eP	P	22 32 43.4 +0.4
SUMG	Summit	comp=Z,25nm,0.8s	57.07	6	iP	P	22 32 45.6 +2.6
SUMG	Summit		57.07	6	iP	P	22 32 55.7
SUMG	Summit		57.07	6	eP	P	22 32 43.4 +0.4
SUMG	Summit		57.11	69	eP	P	22 32 44.7 +1.3
CMB	Columbia Colle	comp=Z,6.6nm,1.2s	57.16	299	eP	P	22 32 41.5 -2.2
KK31	Karatay Array	comp=Z,6.6nm,1.0s	57.16	299	eP	P	22 32 41.5 -2.2
KK31	Karatay Array		57.16	299	eP	P	22 32 41.5 -2.2
KK31	Karatay Array		57.16	299	eP	P	22 32 41.5 -2.2
KKAR	Karatay Array	comp=Z,7.0nm,0.9s	57.16	299	eP	P	22 32 41.5 -2.2
KKAR	Karatay Array	comp=Z,6.9nm,0.9s	57.16	299	eP	P	22 32 41.5 -2.2
KKAR	Karatay Array		57.16	299	eP	P	22 32 41.5 -2.2
YERR	Yerington	comp=Z,7.0nm,0.9s	57.17	67	eP	P	22 32 45.6 +1.6
BOZ	Bozeman (W)	comp=Z,14nm,1.2s	57.22	57	eP	P	22 32 44.3 +0.1
BOZ	Bozeman (W)	comp=Z,15nm,1.4s	57.22	57	eP	P	22 32 44.3 +0.1
BOZ	Bozeman (W)		57.22	57	eP	P	22 32 44.3 +0.1
BOZ	Bozeman (W)		57.22	57	eP	P	22 32 44.3 +0.1
WAKR	Walker	comp=Z,15nm,1.4s	57.22	57	P	P	22 32 45.6 +1.4
WAKR	Walker	baz=310,SNR=5.4	57.27	68	eP	P	22 32 47.4 +2.0
BMN	Battle Moutai	comp=Z,8.4nm,1.1s	57.42	64	eP	P	22 32 47.6 +1.9
BMN	Battle Moutai	comp=Z,11nm,1.2s	57.42	64	eP	P	22 32 47.6 +1.9
BMN	Battle Moutai		57.42	64	eP	P	22 32 47.6 +1.9
KVN	Kaiserville	comp=Z,11nm,1.2s	57.80	66	eP	P	22 32 49.9 +1.5
KVN	Kaiserville	comp=Z,11nm,1.1s	57.80	66	eP	P	22 32 49.9 +1.5
KVN	Kaiserville		57.80	66	eP	P	22 32 49.9 +1.5
QLMT	Earthquake Lak	comp=Z,11nm,1.1s	57.82	57	eP	P	22 32 50.5 +2.0
BRDH	Barriadaha	57.83 267	LR	LR		22 58 28.7	
RYN	Ryan	comp=Z,435nm,19.4s	57.83	67	eP	P	22 32 50.4 +1.8
JIRN	Jiri	comp=Z,5.7nm,0.9s	57.84	276	eP	P	22 32 47.1 -1.9
YHB	Yorba Butte	comp=Z,5.8nm,0.7s	58.00	57	eP	P	22 32 52.0 +2.2
RAMN	Ramite	comp=Z,14nm,0.9s	58.07	275	eP	P	22 32 48.8 -1.7
NVAR	Minna Array	comp=Z,7.4nm,0.8s	58.09	67	P	P	22 32 50.8 +0.3
NVAR	Minna Array	comp=Z,3.5nm,0.8s, baz=287, slow=7.9, SNR=15	58.09	67	P	P	22 56 42.7
MDPB	Devils Postpil	comp=Z,8.9nm,1.1s	58.25	58	eP	P	22 32 53.3 +2.3
YHH	Holmes Hill	comp=Z,8.0nm,1.2s	58.16	57	eP	P	22 32 52.1 +1.1
NV11	Minna Array Sit	comp=Z,7.2nm,0.9s	58.18	67	eP	P	22 32 52.4 +1.4
OMMB	Old Mammoth Mi	comp=Z,5.5nm,1.2s	58.21	68	eP	P	22 32 53.7 +2.2
YNR	Norris Junctio	comp=Z,5.5nm,1.2s	58.30	57	eP	P	22 32 53.1 +1.2
KKN	Kakan	comp=Z,18nm,1.5s	58.33	277	eP	P	22 32 50.3 -2.0
ELK	Elko	comp=Z,37nm,0.7s	58.36	63	eP	P	22 32 53.6 +1.2
ELK	Elko	comp=Z,3.3nm,0.8s	58.36	63	eP	P	22 32 53.6 +1.2
PKI	Pulchoki	comp=Z,3.0nm,0.8s	58.40	276	eP	P	22 32 51.6 -1.3
PKIN	Pulchoki	comp=Z,34nm,0.9s	58.41	276	eP	P	22 32 51.6 -1.3
H17A	Grant Village	comp=Z,31nm,0.9s	58.57	57	eP	P	22 32 55.9 +2.1
H17A	Grant Village	comp=Z,12nm,0.9s	58.57	57	P	P	22 32 56.1 +2.3
DMN	Daman	comp=Z,7.4nm,0.8s	58.57	276	eP	P	22 32 52.7 -1.3
GKN	Gorkha	comp=Z,7.4nm,0.8s	58.60	277	eP	P	22 32 52.8 -1.3
AB31	Akbulak array	comp=Z,1.9nm,0.9s	58.70	311	iP	P	22 32 50.0 -2.3
AB31	Akbulak array	comp=Z,15nm,0.9s	58.70	311	eP	P	22 32 53.0 -1.3
RLMT	Red Lodge	comp=Z,19nm,0.9s	58.79	56	eP	P	22 32 56.7 +1.4
RLMT	Red Lodge	comp=Z,23nm,1.4s	58.79	56	P	P	22 32 57.0 +1.7
FXWY	Fox Creek	comp=Z,4.9nm,0.9s	58.82	58	eP	P	22 32 57.2 +1.7
AKTO	Aktyubinsk	comp=Z,14nm,1.3s	58.84	313	LR	LR	23 01 00.0
KLMR	Klimovskoe	comp=Z,146nm,18.6s	58.85	330	eP	P	22 32 54.0 -1.1
KLMR	Klimovskoe		58.85	330	eP	P	22 32 54.0 -1.1
KLMR	Klimovskoe	comp=Z,18nm,1.1s	58.85	330	eP	P	22 32 54.0 -1.1
KLMR	Klimovskoe		58.85	330	eP	P	22 32 54.0 -1.1
MOOV	Moose Ponds	comp=Z,18nm,1.1s	58.90	58	eP	P	22 32 57.2 +1.1
DANN	Dangsing	comp=Z,9.3nm,1.3s	58.92	278	eP	P	22 32 55.4 -1.1
TPAW	Teton Pass	comp=Z,6.0nm,0.7s	58.98	58	eP	P	22 32 58.0 +1.5
BTK	Batken	comp=Z,40nm,1.7s	58.98	297	eP	P	22 32 54.8 -1.7
BTK	Batken	comp=Z,14nm,0.8s	58.98	297	eP	P	22 32 54.8 -1.7
BTK	Batken		58.98	297	eP	P	22 32 54.8 -1.7
LOHW	Long Hollow	comp=Z,14nm,0.8s	59.07	58	eP	P	22 32 59.7 +2.5
HVU	Hansel Valley	comp=Z,14nm,1.3s	59.08	61	eP	P	22 32 59.2 +2.0
HVU	Hansel Valley	comp=Z,4.9nm,1.1s	59.08	61	eP	P	22 32 59.2 +2.0
HVU	Hansel Valley		59.08	61	eP	P	22 32 59.2 +2.0
ILULI	Ilulissat	comp=Z,5.0nm,1.1s	59.08	12	eP	P	22 32 58.7 +2.1
ILULI	Ilulissat	comp=Z,25nm,0.8s	59.08	12	eP	P	22 32 58.7 +2.1
ILULI	Ilulissat		59.08	12	eP	P	22 32 58.7 +2.1
SNOW	Snow King Moun	comp=Z,25nm,0.8s	59.09	58	eP	P	22 32 58.5 +1.1
REDW	Red Top Meadow	comp=Z,8.8nm,0.6s	59.10	58	eP	P	22 32 59.2 +1.8
SMMC	Simmler	comp=Z,42nm,1.7s	59.14	71	P	P	22 32 59.2 +1.6
DGMT	Dagmar	comp=Z,12nm,1.1s	59.17	50	P	P	22 32 58.8 +1.1
SRDT	SRDT	baz=312	59.23	255	P	P	22 33 04.6 +6.2
LAO	LASA Array	comp=Z,12nm,1.1s	59.34	53	P	P	22 32 59.7 +0.8
KOLN	Koldanda	comp=Z,14nm,0.7s	59.42	278	eP	P	22 32 59.2 -0.7
BGU	Big Grassy Mou	comp=Z,3.4nm,1.1s	59.50	62	eP	P	22 33 02.4 +2.2
PKM	Mpherson Peak	comp=Z,3.4nm,1.1s	59.53	71	P	P	22 33 01.5 +1.0
CWC	Cottonwood Cre	comp=Z,12nm,1.1s	59.54	68	P	P	22 33 01.5 +1.0
SPUT	South Promonto	comp=Z,12nm,1.1s	59.57	61	eP	P	22 33 02.4 +1.7
PYUN	Pyuthan	comp=Z,9.2nm,1.1s	59.58	278	eP	P	22 33 00.9 -0.1
SCO	Scoresbysund	comp=Z,7.4nm,0.9s	59.71	360	eP	P	22 33 02.3 +1.3
SCO	Scoresbysund	comp=Z,12nm,1.1s	59.71	360	iP	P	22 33 02.1 +1.2
SCO	Scoresbysund		59.71	360	iP	P	22 33 02.1 +1.2

SCO	Troy Canyon, C	comp=Z,6.6nm,1.1s	59.74	65	eP	P	22 33 13.0
R11A	Troy Canyon, C	comp=Z,6.6nm,1.1s	59.74	65	eP	P	22 33 03.0 +1.0
R11A	Troy Canyon, C	comp=Z,6.6nm,1.1s	59.74	65	eP	P	22 33 04.2 +0.5
HWUT	Hardware Ranch	comp=Z,4.4nm,0.8s	59.87	60	eP	P	22 33 02.5 +1.7
DAC	Darwin (Calif)	comp=Z,3.0nm,1.6s	59.94	68	eP	P	22 33 04.2 +0.9
DAC	Darwin (Calif)		59.94	68	eP	P	22 33 04.2 +0.9
DUG	Dugway, Tooele	comp=Z,9.0nm,1.6s	60.11	62	eP	P	22 33 06.4 +2.0
DUG	Dugway, Tooele	comp=Z,24nm,1.5s	60.11	62	eP	P	22 33 06.4 +2.0
DUG	Dugway, Tooele		60.11	62	eP	P	22 33 06.4 +2.0
DUG	Dugway, Tooele		60.11	62	eP	P	22 33 06.4 +2.0
DUG	Dugway, Tooele	comp=Z,24nm,1.5s	60.11	62	P	P	22 33 05.1 +0.8
MPMC	Manual Prospect	comp=Z,313,SNR=9.8	60.15	68	P	P	22 33 04.9 +0.2
BW06	Boulder Array	comp=Z,313,SNR=9.8	60.20	58	P	P	22 33 06.0 +0.9
PD31	Pinedale Array	comp=Z,9.5nm,0.9s	60.20	58	eP	P	22 33 05.8 +0.8
PDAR	Pinedale Array	comp=Z,9.5nm,0.9s	60.20	58	P	P	22 33 05.5 +0.4
SCZ2	Santa Cruz Isl	comp=Z,6.2nm,0.8s, baz=302, slow=2.0, SNR=48	60.24	72	P	P	22 33 06.1 +0.9
FURC	Furnace Creek	comp=Z,313,SNR=5.0	60.25	68	P	P	22 33 06.4 +1.3
LRMC	Laurel Mtn Rad	comp=Z,313,SNR=5.0	60.43	69	P	P	22 33 06.9 +0.3
JLU	Jordanelle	comp=Z,14nm,1.6s	60.61	61	eP	P	22 33 10.2 +2.3
PSUT	Pine Spring	comp=Z,14nm,1.6s	60.63	64	eP	P	22 33 09.6 +1.6
EDW2	Edwards Air Fo	comp=Z,14nm,1.6s	60.64	70	P	P	22 33 08.6 +0.6
NLU	North Lily Min	comp=Z,6.5nm,1.0s	60.69	62	eP	P	22 33 10.2 +1.8
SNCO	Satocoyas Is	comp=Z,6.5nm,1.0s	60.82	72	P	P	22 33 09.7 +0.6
MPU	Maple Canyon	comp=Z,36nm,1.9s	60.90	62	eP	P	22 33 12.2 +2.4
MWC	Mount Wilson	comp=Z,22nm,1.4s	61.05	70	eP	P	22 33 12.4 +1.5
GSC	Goldstone, Bar	comp=Z,5.4nm,0.6s	61.07	69	eP	P	22 33 12.2 +1.3
GSC	Goldstone, Bar		61.07	69	eP	P	22 33 12.2 +1.3
GSC	Goldstone, Bar	comp=Z,5.0nm,0.6s	61.07	69	P	P	22 33 11.4 +0.5
GSC	Goldstone, Bar	baz=313	61.07	69	P	P	22 33 11.4 +0.5
SHPR	Sheep Range	comp=Z,14nm,1.5s	61.23	67	eP	P	22 33 14.2 +2.1
BFSO	Mount Baldy Ra	comp=Z,14nm,1.5s	61.28	70	P	P	22 33 14.3 +1.0
CIS	Catalina Islan	comp=Z,14nm,1.5s	61.39	71	P	P	22 33 14.3 +1.3
TUQ	Turquoise Moun	comp=Z,14nm,1.5s	61.51	68	P	P	22 33 14.4 +0.5
CCUT	Cedar City	comp=Z,14nm,1.5s	61.58	65	eP	P	22 33 16.2 +1.7
MSU	Marysvale	comp=Z,14nm,1.5s	61.61	63	eP	P	22 33 16.8 +2.2
TMUT	Trail Mountain	comp=Z,6.4nm,1.0s	61.63	62	eP	P	22 33 16.6 +1.7
P17A	Butcher Ranch	comp=Z,7.3nm,1.0s	61.77	61	eP	P	22 33 16.6 +0.9
NIL	Nilore	comp=Z,7.3nm,1.0s	61.85	290	eP	P	22 33 16.0 -0.1
NIL	Nilore		61.85	290	eP	P	22 33 16.0 -0.1
ULM	Lac du Bonnet	comp=Z,3.1nm,0.9s, baz=346, slow=10, SNR=4.1	61.93	63	eP	P	22 33 16.1 +0.1
MTPU	Mount Pierson	comp=Z,4.3nm,0.9s	61.93	63	eP	P	22



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MNTX	cornu=Z,30nm,1.6s	70.35	64	P	P	22 34 11.5	+0.8
L41A	Preston baz=321	70.45	47	P	P	22 34 11.6	+0.5
AKASG	Malin Array Be comp=Z,4.5nm,0.4s,baz=33,slow=6.5,SNR=14	70.45	328	P	P	22 34 08.9	-2.1
AKASG	Malin Array Be AKASG	70.45	328	P	P	22 34 08.8	-2.2
KIEV	comp=Z,5.0nm,0.4s	70.45	328	eP	P	22 34 08.9	-2.0
KIEV	comp=Z,12nm,1.0s	70.47	328	eP	P	22 34 08.7	-2.3
KIEV	Kiev	70.47	328	iP	P	22 34 09.6	-1.4
KIEV	Kiev	70.47	328	iP	P	22 34 09.6	-1.4
M40A	Post Highland baz=320	70.48	48	P	P	22 34 11.6	+0.3
H45A	Beulah	70.49	43	P	P	22 34 11.8	+0.5
LSQQ	Label-sur-Quev baz=326	70.56	35	P	P	22 34 12.1	+0.5
GDL2	Guadalupe Moun	70.57	63	eP	P	22 34 13.5	+1.3
KIV	Kislovodsk	70.67	316	eP	P	22 34 10.8	-1.8
KIV	Kislovodsk	70.67	316	eP	P	22 34 10.8	-1.8
KBZ	comp=Z,12nm,1.1s	70.75	316	P	P	22 34 11.6	-1.3
KBZ	comp=Z,2.0nm,0.6s,baz=57,slow=7.3,SNR=6.2	70.75	316	P	P	22 34 11.6	-1.3
CHGO	Chibougamau baz=328	70.77	37	P	P	22 34 12.9	-0.1
ZEI	Tsey	71.04	315	eP	P	22 34 17.1	+2.1
VLDO	comp=Z,10.0nm,0.9s	71.16	36	eP	P	22 34 15.4	+0.1
NEY	comp=Z,18nm,1.1s	71.21	316	iP	P	22 34 14.8	-1.2
NEI	Neytrino	71.21	316	iP	P	22 34 14.8	-1.2
E50A	comp=Z,1.0nm,1.1s	71.28	39	P	P	22 34 15.6	-0.5
N41A	Harden Midland baz=321	71.33	48	P	P	22 34 16.8	+0.3
M43A	Waltham Townsh baz=322	71.67	47	P	P	22 34 18.5	0.0
WMOK	Wichita Moun	71.81	58	eP	P	22 34 20.0	+0.5
WMOK	Wichita Moun	71.81	58	eP	P	22 34 20.0	+0.5
WMOK	Wichita Moun	71.81	58	eP	P	22 34 20.0	+0.5
HDIL	Hopedale	72.20	48	eP	P	22 34 22.0	+1.1
HDIL	Hopedale	72.20	48	eP	P	22 34 22.1	+0.4
SOC	Sochi	72.27	318	ePPP	PPP	22 34 17.6	-4.5
SOC	Sochi	72.27	318	ePPP	PPP	22 34 17.6	-4.5
SOC	Sochi	72.27	318	ePPP	PPP	22 34 17.6	-4.5
SOC	Sochi	72.27	318	ePPP	PPP	22 34 17.6	-4.5
SOC	Sochi	72.27	318	ePPP	PPP	22 34 17.6	-4.5
TUL1	Leonard baz=320	72.52	55	P	P	22 34 24.0	+0.3
J48A	Bridge Port baz=324	72.53	42	P	P	22 34 26.3	+2.7
N44A	Piper City baz=322	72.56	47	P	P	22 34 23.6	-0.3
GNI	Garni comp=Z,273nm,19.6s,baz=14,slow=39	72.71	312	LR	LR	23 09 54.7	
GNI	Garni	72.72	37	P	P	22 34 25.2	+0.2
ALGO	Algonquin Park baz=326	72.72	37	P	P	22 34 24.9	+0.2
WRAB	Tennant Creek	72.80	203	iP	P	22 34 23.1	-2.2
WB2	Warramunga Arr comp=Z,17nm,1.2s	72.81	203	eP	P	22 34 23.6	-1.7
N45A	Kentland baz=322	72.81	46	P	P	22 34 26.2	+0.9
WRA	Warramunga Arr comp=Z,5.0nm,0.8s,baz=17,slow=6.3,SNR=20	72.81	203	P	P	22 34 23.1	-2.3
WRA	Warramunga Arr	72.81	203	P	P	22 34 24.0	-1.4
Q42A	Golden Eagle baz=321	72.88	49	P	P	22 34 26.3	+0.5
O44A	Mansfield baz=322	72.91	47	P	P	22 34 26.2	+0.3
LVV	L'vov	72.91	331	eP	P	22 34 24.6	-1.2
ABTX	Abilene, Hawle comp=Z,13nm,0.9s	72.92	60	eP	P	22 34 27.4	+1.3
ABTX	Abilene, Hawle baz=319	72.92	60	eP	P	22 34 26.6	+0.4
R41A	Rosebud	72.94	50	P	P	22 34 26.3	+0.1
TX31	Lajitas Ar, Si comp=Z,13nm,0.8s	73.09	65	eP	P	22 34 27.3	0.0
TXAR	Lajitas Array comp=Z,9.4nm,0.7s,baz=299,slow=3.9,SNR=99	73.09	65	P	P	22 34 27.2	-0.1
BCA	Borcka 73.14 315	73.14	315	iP	P	22 34 26.9	-0.4
CCM	Cathedral Cave comp=Z,11nm,1.0s	73.20	50	eP	P	22 34 28.5	+0.8
CCM	Cathedral Cave	73.20	50	eP	P	22 34 28.5	+0.8
CCM	Cathedral Cave	73.20	50	eP	P	22 34 28.5	+0.8
CCM	Cathedral Cave	73.20	50	eP	P	22 34 28.5	+0.8
HHAR	Hobbs	73.20	53	eP	P	22 34 28.0	+0.2
S41A	Jilico Fams, baz=321,SNR=5.7	73.31	51	P	P	22 34 28.1	-0.3
P44A	Sand Creek, WI baz=322	73.37	48	P	P	22 34 29.2	+0.5
SIM	Simeferopol'	73.48	322	eP	P	22 34 30.2	+1.0
SIM	Simeferopol'	73.48	322	eP	P	22 34 30.2	+1.0
KWP	Kalwaria Pacia comp=Z,488nm,1.3s	73.49	331	eP	P	22 34 29.6	+0.4
KWP	Kalwaria Pacia	73.49	331	eP	P	22 34 28.8	-0.5
KWP	Kalwaria Pacia	73.49	331	eP	P	22 34 28.8	-0.5
FITZ	Fitzroy Crossi comp=Z,12nm,1.0s	73.66	212	eP	P	22 34 29.2	-1.2
FVM	French Village comp=Z,8.8nm,0.9s	73.66	50	eP	P	22 34 30.7	+0.3
FVM	French Village	73.66	50	eP	P	22 34 30.7	+0.3
U40A	Yellville baz=321,SNR=8.5	73.70	53	P	P	22 34 30.6	-0.1
EKA	Eskdalemuir Ar baz=327	73.74	349	P	P	22 34 29.2	-1.4
P45A	Graceland, Par baz=323	73.74	47	P	P	22 34 31.2	+0.3
KIS	Kishinev	73.75	326	ePKP	P	22 34 20.0	-1.1
KIS	Kishinev	73.75	326	ePKP	P	22 34 20.0	-1.1
OJC	Ojcow	73.83	333	eP	P	22 34 31.6	+0.3
OJC	Ojcow	73.83	333	eP	P	22 34 30.2	-1.0
OJC	Ojcow	73.83	333	eP	P	22 34 30.2	-1.0
N48A	Decatur baz=324	73.94	45	P	P	22 34 31.9	-0.1
DELO	Deloro Mine baz=327	74.09	38	P	P	22 34 33.4	+0.5
R44A	Waltonville baz=322	74.11	49	P	P	22 34 33.2	+0.2
W39A	Magazine comp=Z,5.5nm,0.8s	74.12	54	eP	P	22 34 33.8	+0.6
W39A	Magazine	74.12	54	eP	P	22 34 33.4	+0.2
ALFO	Alfred baz=328	74.21	36	P	P	22 34 34.0	+0.6
KSP	Ksiaz	74.23	336	eP	P	22 34 34.5	+0.9
O48A	Farmland baz=324	74.36	45	P	P	22 34 34.5	+0.9
LEOM	Leova	74.40	326	iP	P	22 34 33.3	-1.3
LEOM	Leova	74.40	326	iP	P	22 34 32.6	-1.3
NIE	Niedzica	74.40	333	eP	P	22 34 35.5	+0.9

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BUR08	Bucovina Ar. S comp=Z,9.5nm,0.9s	74.43	329	eP	P	22 34 33.6	-1.4
JCT	Junction City	74.45	61	eP	P	22 34 36.1	+0.9
JCT	Junction City	74.45	61	eP	P	22 34 36.1	+0.9
JCT	Junction City	74.45	61	eP	P	22 34 35.5	+0.3
BURAR	Bucovina Array	74.45	329	iP	P	22 34 33.5	-1.6
BURAR	Bucovina Array	74.45	329	iP	P	22 34 34.1	-1.6
S44A	Carbondale	74.46	49	P	P	22 34 35.5	+0.5
UZH	Uzhgorod	74.50	331	eP	P	22 34 32.8	-2.3
UZH	Uzhgorod	74.50	331	eP	P	22 34 34.9	0.0
H56A	Elgin	74.56	37	iP	P	22 34 35.8	+0.2
WHXT	Lake Whitney, baz=320	74.61	59	P	P	22 34 36.3	+0.2
UPC	Ujice	74.61	336	AMS	AMS	23 13 00.0	
CLL	Colim	74.64	338	eP	P	22 34 35.0	-0.9
CLL	Colim	74.64	338	eP	P	22 34 34.9	-0.9
CLL	Colim	74.64	338	eP	P	22 34 46.7	+0.4
CLL	Colim	74.64	338	eP	P	22 34 46.7	+0.4
CLL	Colim	74.64	338	eP	P	22 34 46.7	+0.4
CLL	Colim	74.64	338	eP	P	22 34 46.7	+0.4
OKC	Ostrava-Krasne	74.64	334	eP	P	22 34 35.7	-0.2
OKC	Ostrava-Krasne	74.64	334	eP	P	22 34 47.3	+0.9
OKC	Ostrava-Krasne	74.64	334	eP	P	22 34 35.7	-0.2
OKC	Ostrava-Krasne	74.64	334	eP	P	22 34 47.3	+0.9
OKC	Ostrava-Krasne	74.64	334	eP	P	22 34 35.7	-0.2
OKC	Ostrava-Krasne	74.64	334	eP	P	22 34 47.3	+0.9
DPC	Dobruska-Polom	74.67	336	eP	P	22 34 35.9	-0.3
DPC	Dobruska-Polom	74.67	336	eP	P	22 34 47.5	+0.9
DPC	Dobruska-Polom	74.67	336	eP	P	22 34 35.9	-0.3
DPC	Dobruska-Polom	74.67	336	eP	P	22 34 47.5	+0.9
DPC	Dobruska-Polom	74.67	336	eP	P	22 34 35.9	-0.3
DPC	Dobruska-Polom	74.67	336	eP	P	22 34 47.5	+0.9
MIAR	Mount Ida	74.73	54	eP	P	22 34 36.7	0.0
MIAR	Mount Ida	74.73	54	eP	P	22 34 36.7	0.0
MIAR	Mount Ida	74.73	54	eP	P	22 34 36.7	0.0
MIAR	Mount Ida	74.73	54	eP	P	22 34 36.7	0.0
MIAR	Mount Ida	74.73	54	eP	P	22 34 36.7	0.0
MIAR	Mount Ida	74.73	54	eP	P	22 34 36.7	0.0
BIZ	Bicaz	74.74	328	iP	P	22 34 35.5	-1.1
O49A	Covington baz=324	74.79	45	P	P	22 34 37.4	+0.4
KRLC	Krailky	74.80	335	eP	P	22 34 38.2	+1.3
KRLC	Krailky	74.80	335	eP	P	22 34 49.1	+1.7
KRLC	Krailky	74.80	335	eP	P	22 34 38.2	+1.3
KRLC	Krailky	74.80	335	eP	P	22 34 49.1	+1.7
S45A	Carrier Mills	74.80	49	P	P	22 34 37.6	+0.6
BRG	Berggiesshubel	74.81	337	eP	P	22 34 37.8	+0.9
BRG	Berggiesshubel	74.81	337	eP	P	22 34 47.9	+0.6
BRG	Berggiesshubel	74.81	337	eP	P	22 34 37.8	+0.9
BRG	Berggiesshubel	74.81	337	eP	P	22 34 47.9	+0.6
BRG	Berggiesshubel	74.81	337	eP	P	22 34 37.8	+0.9
BRG	Berggiesshubel	74.81	337	eP	P	22 34 47.9	+0.6
WHAR	Woolly Hollow comp=Z,11nm,1.2s	74.82	53	eP	P	22 34 38.6	+1.3
Q47A	Bedord North L baz=323	74.83	47	P	P	22 34 38.0	+0.8
MORC	Moravsky Berou comp=Z,55nm,1.4s	74.86	335	eP	P	22 34 36.6	-0.7
MORC	Moravsky Berou	74.86	335	eP	P	22 34 36.7	-0.7
MORC	Moravsky Berou	74.86	335	eP	P	22 34 36.6	-0.7
MORC	Moravsky Berou	74.86	335	eP			

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like CUALT, Q53A, BCLA, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like FUORN, KDHN, 149A, KERG, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like VILL, LMR, LTK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like DDA, ZEDA, AYVA, etc.

BUJ 25 22:32:47.6, 50.25N, 157.75E, h20km, mb4.9/54, mb5.0/36, Ms5.0/47, Ms7.4/45, IDC 25 22:32:47.5, 50.14N, 157.65E, h0km, mb4.5/29, mb1.4/636, mb1mx4.5/44, mbtmp4.4/36, ML3.6/6, MS4.1/10, Ms1.4/110, ms1mx3.8/42, Error ellipse: s-maj=13.2km s-min=10.0km az=143.0, MOS 25 22:47.9, 1.2, 49.85N, 157.88E, h46km, mb5.1/81, MS4.7/17, Error ellipse: s-maj=8.1km s-min=3.2km az=84.9, KRSC 25 22:32:48.1, 10.0, 49.90N, 158.18E, h5km, 10km, MLS.1 SKHL 25 22:32:50.6, 0.7, 49.85N, 157.87E, h52km, 6km, mb5.0/171, Ms4.8/6, ms15.8/2, NEIC 25 22:32:53.4, 1.2, 50.16N, 157.52E, h34km, 8km, mb5.0/173, Error ellipse: s-maj=4.6km s-min=2.5km az=161.0, GCMT 25 22:32:55.4, 0.5, 50.10N, 0.4, 158.10E, 0.4, h26km, MW4.9/61, Moment Tensor Solution. s26.c28: s61.c88; Duration: 0 Moment tensor: Scale 10^19Nm; Mr:2.81±.20; Mw:1.28±.13; Mv:1.53±.12; Mw-0.25±.26; Mw-1.24±.07; Mw:0.83±.19; Best double couple: M2:85300x1016 NP1:29.00000°, 851.00000°, 173.00000°. NP2: 235.00000°, 842.00000°, 110.00000°. Principal axes: T:3.0160, P1g78.0000, Azm241.0000, N: -0.3290, P1g13.0000, Azm40.0000, P: 2.6890, P1g6.0000, Azm131.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like SKR, SSK, SSB, etc.





Table with columns for station call letters, frequency, and other details. Includes stations like OBN, ISCO, VSU, MVCO, PBA, S22A, LPSR, VRH, W18A, OGNE, NC405, NR201, SDCO, NB2, NOA, NB000, ECSD, VSR, E38A, F38A, T25A, SPMN, E39A, F39A, E40A, ANMO, GEYT, GYA0B, KONO, KONO, COWI, G40A, 319A, H40A, 139A, SCH0, SUW, SUW, L39A, HYB, AKASG, AKKB, MNTX, MNTX, KIEV, KIEV, KIEV, KIEV, ZKTA, KIV, KIV, KEV, SEKA, KBZ, CHG0, ZEI, ZEI, NEY, NEY, GANJ, LKRN, GNI, GNI, GNI, GNI, GNI, WRAB, WB2, WRA, LVV, LVV, LVV, LVV, NAX, KARS, BCA.

Table with columns for station call letters, frequency, and other details. Includes stations like TX31, TXAR, SIM, SIM, KWP, KWP, KIS, KIS, KIS, KIS, KIS, KIS, EKA, OJC, OJC, OJC, KSP, PRAR, LEM, LEM, BUR08, BURAR, BURAR, UZH, UZH, UZH, IDGL, UPC, UPC, OKK, OKK, OKK, CLL, CLL, CLL, DPC, DPC, DPC, BIZ, BIR, BIR, KRLC, KRLC, BRG, BRG, BRG, BRG, TRPA, TRPA, MORC, MORC, MORC, MORC, LANS, LANS, LANS, TESCA, PANSKA, PANSKA, ARCR, TLR, TLR, PETR, ODBI, VRI, VRI, PRU, PRU, PRU, PRU, GOPC, GOPC, GOPC, PLOR, PLOR, CFR, CFR, VRAC, VRAC, VRAC, WCI, OZUR, VYHS, VYHS, JAVC, DIKM, DIKM, LTWH, LTWH, CJR, CJR, NKC.

Table with columns for station call letters, frequency, and other details. Includes stations like NKC, NKC, DOPR, KRUC, PSZ, PSZ, PSZ, PSZ, SIRT, TREC, TREC, TREC, ERBA, ERBA, TNCL, TNCL, BZK, DRGR, HAVZ, HAVZ, MDB, MDB, HARR, HARR, REFA, REFA, SMOL, SMOL, MRLR, MRLR, TIRR, TIRR, TIRR, TIRR, TLB, TLB, PALK, PALK, ISR, ISR, MODS, MODS, MODS, MODS, VOIR, VOIR, ZST, ZST, ZST, SRO, SRO, SRO, SRO, KHC, KHC, KHC, KHC, BUD, BUD, GRA1, GRA1, GRF, GRF, ICOR, GRFO, GRFO, GRFO, ARR, SULL, SULL, HEBN, HEBN, GEC2, GEC2, GEC2, GEC2, SIRS, SIRS, PELI, PELI, LOT, CSK, MEM, ILGA, ILGA, COAL, COAL, CONA, CUAL, CUAL, SOP, SGRR, CUSAR, BCLA, GZR, GZR, AKCD, AKCD, TIH, BZS, BZS, SHME, SHME, MOU, MOU, DOU, DOU, DELI.











Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like SWET Sewanee, V48A Smith Brothers, VNA3 Neumayer Olymp, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, AS31 Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like STKA Stephens Creek, QIS Mount Isa, BBOO Bucklebo, etc.

IDC 26 01:28:25.4; 1.1, 2.203X, 142.90E, h0km, mb3.9/6, mb1 4.2/6, mb1mx3.6/47, mbmtmp3.6/0, Error ellipse: s-maj=50.3km s-min=-29.2km az=105.0, Volcano Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like WRA Warramunga Arr, ILAR Eielson Array, YKA Yellowknife Arr, etc.

IDC 26 02:03:17.0; 1.6, 17.905X, 178.60W, h555km, 17km, mb3.7/20, mb1 3.9/21, mb1mx3.8/31, mbmtmp4.6/21, Error ellipse: s-maj=12.2km s-min=10.3km az=139.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like NIUE Niue, DZM Mont Dzumac, URZ Urewera, etc.

IDC 26 02:03:17.0; 1.7, 17.865X, 178.59W, h560km, 9km, mb4.3/26, Error ellipse: s-maj=12.5km s-min=5.7km az=162.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like NIUE Niue, DZM Mont Dzumac, URZ Urewera, etc.

IDC 26 01:36:35.4; 0.7, 27.795X, 176.41W, h0km, mb2.4/14, mb1 4.4/14, mb1mx4.3/25, mbmtmp4.1/14, MS3.6/6, Ms1 3.6/6, ms1mx3.4/30, Error ellipse: s-maj=23.8km s-min=17.2km az=143.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like RAO Raoul Island, RAO Raoul Island, URZ Urewera, etc.

IDC 26 02:03:18.9; 1.9, 17.925X, 0.09, 178.57W, h0.08h, h579km, n149, -0.974/154, mb4.3/46, 5C-11D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like NIUE Niue, DZM Mont Dzumac, URZ Urewera, etc.

IDC 26 02:03:18.9; 1.9, 17.925X, 0.09, 178.57W, h0.08h, h579km, n149, -0.974/154, mb4.3/46, 5C-11D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Code, Station Name, Az, Az2, Phase ID, Time Res. Includes stations like NIUE Niue, DZM Mont Dzumac, URZ Urewera, etc.

26d 2h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TLY Talaya, MKAR Makanchi Array, ARCES ARCES Array B, etc.

ADC 26:02:05:26.6:2.5, 41.163S:87.79W, h0km, mb3.9/7, mb1.4/1.9, mb1mx4.0/2.3, mbtmp3.9/9, ML3.8/2, MS4.2/18, Ms1.4/1.18, ms1mx4.1/2.1, Error ellipse: s-maj=69.4km s-min=27.0km az=5.0

GCMT 26:02:05:28.6:0.3, 41.37S:0.01:87.89W:0.02, h14km±1km, MW5.0/87, Moment Tensor Solution. s41.c53; s87.c136; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.75±.12; Mw=0.93±.11; Mb=0.18±.11; M1=0.14±.21; Mb=0.39±.10; Mw=0.04±.20; Best double couple: M4.00100±.016 Np1±266.00000; S90.00000; A178.00000; Np2: 6±356.00000; S80.00000; A10.00000; Principal axes: T 4.3780, P1g1.0000; Azm221.0000; N -0.7500; P1g8.0000; Azm82.0000; P -3.6250, P1g1.0000; Azm311.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 26:02:05:28.6:0.6, 41.20S:87.69W, h10km, mb4.4/16 Error ellipse: s-maj=15.2km s-min=7.9km az=185.0

ISC 26:02:05:29.4:0.8, 41.05S:0.1:87.7W:0.1, h10km, n50, e1942/37, mb4.1/17, MS4.1/19, 1D, West Chile Rise

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like G006 Curarrehue, PLCA Paso Flores, PLCA 0.1nm, 0.3s, baz=281, slow=17, SNR=4.4, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SYO Syowa Base, MAW Mawson, LTX Lajitas, TXAR Lajitas Array, etc.

ADC 26:02:17:38.7:3.8, 2.33S:102.03E, h0km, mb3.5/4, mb1.3/7.4, mb1mx3.4/5.1, mbtmp3.5/4, Error ellipse: s-maj=161.0km s-min=23.2km az=57.0, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, etc.

MEX 26:02:40:13.5:0.6, 18.18N:103.39W, h14km±14km, MD3.7, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MMIG Aquila, MMIG 0.12, 22, 1 P, etc.

TEH 26:02:51:03.3:28.60N:52.35E, h9km, ML4.2 ADC 26:02:51:03.4:0.7, 28.74N:52.37E, h0km, mb4.0/24, mb1.4/1.29, mb1mx4.0/4.8, mbtmp4.0/29, ML3.7/6, MS3.5/7, Ms1.3/5.7, ms1mx3.1/5.0, Error ellipse: s-maj=15.8km s-min=12.3km az=177.0

MOS 26:02:51:04.2:1.2, 28.70N:52.41E, h15km, mb4.3/19, Error ellipse: s-maj=17.7km s-min=5.8km az=101.8 THR 26:02:51:05.2:28.54N:52.47E, h17km, ML4.1 NEIC 26:02:51:05.2:28.54N:52.47E, h17km, mb4.1/24, ML4.1 (THR), MN4.2 (TEH), After THR. DSN 26:02:51:09.5:0.7, 28.51N:52.68E, h15km, ML4.0/8, Error ellipse: s-maj=17.4km s-min=6.3km az=49.0

OMAN 26:02:51:37.8:15.0, 27.02N:54.09E, h84km, m3.4/7, Error ellipse: s-maj=166.0km s-min=36.0km az=136.0

ISC 26:02:51:05.6:0.4, 28.59N:0.05:52.40E:0.04, h16km, n220, e1942/223, mb4.1/159, MS3.9/14, 1D, Southern Iran

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GHIR Ghir-Karzin, GHIR Ghir-Karzin, GHIR Ghir-Karzin, etc.

1650

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FAQ Al Faqa, DUBAI, HATD Hatta, DUBAI, HATD Hatta, DUBAI, etc.



Table with columns: AAK, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like Ala-Archa, Anoyia, Alexandroupoli, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like NORSAR Subarra, NORSAR Array, Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like Las Melosas, El Yeso, Antumapu, etc.





Table with columns: Station ID, Name, Frequency, Power, Direction, and other details. Includes stations like PD31 Pinedale Array, PDAR Pinedale Array, SHOC Shoshone, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other details. Includes stations like WUAZ Wupatki, WUAZ Wupatki, Y14A Wickburg, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other details. Includes stations like F42A Maple Grove Fa, LZH Lanzhou, LZH Wickburg, etc.

26d 3h

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like SFIN Lafayette, U41A Viola, K49A Clarkson, etc.

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Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like S49A Springfield, P51A Williamsport, L54A Sinclairville, etc.

1654

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like U53A Fall Branch, Y50A Piedmont, X51A Calhoun, etc.

Table with columns: LSA, Y56A, X57A, 155A, V59A, W58A, ABKAR, Z56A, Y57A, 453A, X58A, Z57A, 255A, 255A, KK31, KK31, KKAR, KKAR, Y58A, 553A, 355A, KSH, KSH, KSH, KSH, KSH, 157A, 256A, W60A, NH30, Z58A, 455A, 356A, 554A, 357A, 555A, 555A, 456A, OBN, OBN, OBN, OBN, 556A, 457A, 656A, SHL, SHL, SHL, SHL, 757A, 658A, 857A, CMAR, CMAR, CMAR, 758A, JIRN, 859A, RAMN, 058A, KKN, PPT, 959A, PKI, DMN, DANN, EKA, KOLN, PYUN, AKASG, AKASG, AKASG, AKKB, KIEV, KIEV, KIEV, KIEV, KWP

Table with columns: KWP, DPC, DPC, GEYT, GEYT, KIV, KIV, BAIF, BAIF, KBZ, KBZ, TRPA, KHC, KHC, BUR08, NEY, TGUH, BURAR, ZEI, ZEI, VYHS, VYHS, GERES, BIZ, TBLG, TBLG, FLN, FLN, LDF, LDF, CDF, CDF, GRR, GRR, SGMF, SGMF, OZUR, VRI, VRI, PLOR, PLOR, ODBI, ODBI, DOPR, TLCH, TLCH, CFR, CFR, CFR, MOTA, MLR, MLR, MLR, WTTA, KBA, VOIR, SOKA, FETA, ARR, LOR, LOR, PERS, HARR, HARR, TLB, TLB, TIRR, TIRR, TIRR, OBKA, SSF, SSF, GZR, GZR, AVF, AVF, SMF, SMF, WRA, WRA, VISS, TCF, TCF, MDVR, BOJS, PSI, PSI, PSI, RFJ, RFJ, ILGA, ORIF, ORIF, LFF, LFF, CAF, CAF, MBDF, MBDF, VTS, VTS, VTS, HYB, SBF, SBF, BR131, BRTR, BRTR, PDG, TTG, TTG, TTG, MTLF, MTLF

Table with columns: GSI, SJPF, SJPF, ASAR, ETSF, ETSF, BANI, PGF, PGF, IGT, ESDC, STKA, SDV, TORD, DBIC, DBIC, PLCA, QSPA, MSAW, MAW, MAW, LBTB, BOS, BOS, BOS, SYO, Code, Station Name, Phase ID, Time, Res

TEH 26 03:39:11.6, 33°54'N, 48°92'E, h10km, ML3.9
THR 26 03:39:11.8, 33°47'N, 49°02'E, h18km, ML3.9
ISC 26 03:39:11.8-0.9, 33°57'N, 0°04.48, 98E:0.03, h13km, n50,
@1955/52, Western Iran

26d 4h

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TIBP Shuangxi, JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YULB Yu-li, TWF1 Yuli, FULB Ful, etc. Includes a large block for SJA 26:03:50:35.9,0.5,32:06S:66:97W, h19km, 1km, ML3.3.

1656

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GIRON Santand, BARC Barichara, PAMC Pamplona, etc. Includes a large block for THR 26:04:44:43.7, 28:37N-51:54E, h24km, ML3.3.

Table with columns: IPAR, comp-Z, IAMB, IAMB, 04 45 48.0, IAMB, IAMB, 04 45 38.8, 04 45 53.3, 3.53, 12f, ePn, IAMB, Pn, IAMB, 04 45 43.4, 04 45 45.8, 4.02, 4.04, 4.02, 4.04, 4.07, 6, ePn, Pn, 04 45 46.9, 04 46 01.4, 4.59, 8, ePn, Pn, 04 45 53.7, 04 46 50.4, 4.61, 32, ePn, Pn, 04 45 53.9, 04 46 50.4, 4.75, 6.4, ePn, Pn, 04 45 55.3, 04 45 57.0, 4.82, 3.2, ePn, Pn, 04 45 57.0, 04 45 57.0, 4.82, 3.2, Pn, Pn, 04 45 57.0, 04 45 57.0, 4.97, 131, P, P, 04 45 58.1, 04 45 58.1, 5.01, 137, S, S, 04 46 55.2, 04 45 59.6, ASUD, SNR=18, S, S, 04 47 06.2, 04 46 03.5, 04 46 07.1, 04 46 07.1, 5.55, 346, ePn, Pn, 04 46 07.1, 04 46 07.1, 5.55, 346, Pn, Pn, 04 46 07.1, 04 46 13.5, 5.13, 132, P, P, 04 46 13.5, 04 46 13.5, SOHO, SNR=11, S, S, 04 47 22.2, 04 46 29.3, 7.23, 3, ePn, Pn, 04 46 29.3, 04 46 35.8, 7.64, 330, ePn, Pn, 04 46 35.8, 04 46 37.5, WSAR, SNR=13, P, P, 04 46 40.5, 04 46 40.5, MHTO, SNR=5.4, P, S, 04 46 58.0, 04 48 36.4, MHTO, S, S, 04 48 36.4, 04 48 36.4

IDC 26 05:08:56.8:1.4, 24.92N:127.77E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.5/35, mbmp3.7/5, MS2.7/1, Ms1 2.7/1, ms1mx2.1/37, Error ellipse: s-maj=56.1km s-min=25.3km az=81.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, h m s, ISC, JTT3, Tamagusuku3, 1.29, 357, P, Op, 05 09 21.8, +0.1, JTT3, eS, 05 09 37.4, -1.6, JNTH, Nagatoyohara, 1.67, 5, S, S, 05 09 46.7, -1.4, JKE, Kume jima 2, 1.76, 327, P, Pn, 05 09 28.3, +0.5, JAGN, Aguni-jima, 1.82, 342, P, S, 05 09 29.1, +0.5, JAGN, S, 05 09 49.4, -2.4, JOW, Kunigami, 2.01, 11, Pn, 05 09 31.6, +0.3, JOW, 1.6nm, 0.3s, baz=147, slow=1.1, SNR=12, S, Sn, 05 09 53.0, -3.6, JOW, 8.0nm, 0.3s, baz=115, slow=1.4, SNR=12, Kunigami, 2.01, 11, P, Pn, 05 09 31.5, +0.3, JOW, eS, 05 09 55.6, -0.9, JIH, Iheya, 2.18, 3, S, Sn, 05 09 59.1, -1.5, JIGS, Guskubue, 2.23, 268, eS, Pn, 05 09 27.2, -0.7, JYRO, Yoronjima, 2.23, 14, eS, Sn, 05 10 00.7, -1.2, JIKM, Ikemajima, 2.27, 272, P, S, 05 09 36.2, +0.1, JIKM, S, 05 10 03.8, -1.5, JIRB, Irabujima, 2.44, 270, P, S, 05 09 37.4, +0.3, JIRB, 0.9nm, 0.5s, baz=102, slow=9.8, SNR=6.3, Pn, 05 09 28.3, +2.5, JOKE, Okinoerabujima, 2.59, 14, P, Pn, 05 09 40.9, +1.8, JTJ, Tarama, 2.88, 267, P, Pn, 05 09 43.4, +0.3, JTJ, eS, 05 10 15.1, -2.6, JTK, Tokunoshima, 3.09, 18, P, S, 05 09 47.4, +1.4, JTK, eS, 05 10 19.5, -3.5, JMJ, Minamidaito 2, 3.19, 72, P, S, 05 09 46.1, -1.1, JISG, Ishigakijimah, 3.23, 266, P, Pn, 05 09 48.3, +0.3, JISG, S, 05 10 22.3, -4.3, JIJ, Ishigaki jima, 3.41, 263, P, S, 05 09 51.5, +1.0, JIJ, S, 05 10 27.2, -3.8, JIAMN, Amanishikomi, 3.58, 19, P, Pn, 05 09 54.5, +1.7, JAM, Amami Oshima, 3.88, 23, P, Pn, 05 09 57.9, +1.0, JKRS, Kora Army, 12.57, 0, LR, LR, 05 16 50.8, +0.5, MKAR, Makanchi Array, 4.22, 313, P, P, 05 17 14.6, +1.9, WRA, Warramunga Arr, 44.96, 171, P, P, 05 20 33.0, +0.8, FINES, FINES Array B, 73.90, 331, P, P, 05 20 33.0, +0.8, AKASG, Malin Array Be, 76.36, 320, P, P, 05 21 08.8, +0.9, NOA, NORSTAR Array B, 80.40, 334, P, P, 05 21 08.8, +0.9

ANF 26 05:13:39.5:0.1, 33.77N:82.38W, ML3.5/83, Error ellipse: s-maj=1.2km s-min=1.0km az=162.0

CERI 26 05:13:40.6:0.3, 33.78N:82.38W, h12km, mbL2.6(NEIC) NEIC 26 05:13:40.6:0.0, 33.78N:82.38W, h12km, MN2.8, After CERI

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, h m s, ISC, Y54A, Tignal, 0.28, 289, P, Op, 05 13 45.7, +0.4, Y54A, baz=109, SNR=1000, P, S, 05 13 49.1, +0.1, Y55A, Saluda, 0.66, 69, P, S, 05 13 49.0, +0.2, Y55A, baz=250, SNR=363, S, S, 05 13 54.9, +0.1, HODGE, Hodges, 0.47, 12, ePn, Pn, 05 13 49.2, +0.3, HODGE, eSg, 05 13 55.0, -0.1, Z55A, Blythe, 0.59, 160, P, P, 05 13 51.6, +0.4, Z55A, baz=340, S, S, 05 13 59.1, +0.3, Z54A, Sparta, 0.66, 216, P, P, 05 13 52.6, -0.1, Z54A, baz=35, SNR=85, S, S, 05 14 01.5, +0.2, X54A, Belton, 0.77, 360, P, P, 05 13 54.8, 0.0, X54A, baz=181, SNR=123, S, S, 05 14 04.4, -0.4, Y56A, Pelion, 0.89, 89, P, P, 05 13 57.0, 0.0, Y56A, baz=269, SNR=72, S, S, 05 14 08.3, -0.3, X55A, Gracelyn & Ava, 0.93, 41, P, P, 05 13 57.3, -0.4, X55A, baz=222, SNR=37, S, S, 05 14 10.1, +0.3, Z56A, Williston, 0.95, 118, P, P, 05 13 58.3, +0.2, Z56A, baz=298, S, S, 05 14 10.7, +0.2, GOGA, Godfrey, 0.98, 249, ePn, Pn, 05 13 58.2, -0.6, GOGA, eSg, 05 14 11.1, -0.4, GOGA, Godfrey, 0.98, 249, P, P, 05 13 58.1, -0.6, GOGA, baz=68, SNR=191, S, S, 05 14 11.0, -0.4, Y53A, Monroe, 1.01, 275, P, P, 05 13 58.8, -0.9, Y53A, baz=94, SNR=51, S, S, 05 14 11.8, -0.6, Y53A, baz=94, S, S, 05 14 11.8, -0.6

Table with columns: JSC, Jenkinsville, 1.05, 61, ePb, Pn, 05 13 59.6, -0.9, JSC, eS, 05 14 13.4, -1.1, X53A, Estanollee, 1.06, 314, P, S, 05 13 59.6, -1.0, X53A, baz=134, S, S, 05 14 13.3, -1.3, Z53A, Monticello, 1.11, 244, P, P, 05 14 00.5, -1.0, Z53A, baz=63, SNR=125, S, S, 05 14 14.5, -1.7, PAULI, Pauline, 1.14, 24, ePb, Pn, 05 14 01.2, -0.7, PAULI, eS, 05 14 16.2, -0.8, 155A, Kite, 1.15, 184, P, S, 05 14 01.5, -0.6, 155A, baz=3.4, S, S, 05 14 16.4, -0.8, BG3, Lake Jocassee, 1.30, 339, ePn, Pn, 05 14 03.9, -0.6, BG3, ePn, 05 14 05.7, +0.9, BG3, eS, 05 14 21.4, -0.2, 154A, Montrose, 1.31, 208, ePn, Pn, 05 14 04.5, -0.2, 154A, eS, 05 14 21.7, -0.1, 154A, Montrose, 1.31, 208, P, P, 05 14 04.4, -0.2, W54A, Cherokee Point, 1.32, 7, P, Pn, 05 14 04.5, -0.2, W54A, baz=187, SNR=169, S, S, 05 14 20.9, -1.2, X56A, White Oak, 1.32, 57, P, Pn, 05 14 04.5, -0.3, 156A, Sylvania, 1.34, 146, P, Pn, 05 14 05.2, +0.2, 156A, baz=327, SNR=12, S, S, 05 14 22.3, -0.3, 152A, Libburn, 1.41, 274, ePn, Pn, 05 14 05.8, -0.1, Y52A, eS, 05 14 25.0, +0.3, Y52A, Lilburn, 1.41, 274, P, Pn, 05 14 05.8, -0.1, Y52A, baz=93, SNR=36, S, S, 05 14 23.3, -1.5, Z57A, Bowman, 1.47, 108, P, Pn, 05 14 07.3, +0.5, Z57A, baz=289, S, S, 05 14 26.3, -0.1, X52A, Dahlonega, 1.51, 304, P, Pn, 05 14 07.7, +0.3, W53A, Cullowhee, 1.54, 335, P, Pn, 05 14 08.1, +0.2, 157A, Early Branch, 1.59, 133, P, Pn, 05 14 09.5, 0.0, KMSC, Kings Mountain, 1.61, 32, ePn, Pn, 05 14 09.4, +0.6, KMSC, Kings Mountain, 1.61, 32, P, Pn, 05 14 09.3, +0.6, 153A, Fort Valley, 1.66, 228, P, Pn, 05 14 10.4, -0.3, Y57A, Sumter, 1.67, 81, P, Pn, 05 14 10.9, 0.0, Z52A, Williamson, 1.81, 252, P, Pn, 05 14 12.9, -0.3, 256A, Glennville, 1.83, 167, P, Pn, 05 14 13.5, -0.2, W52A, Murphy, 1.84, 316, ePn, Pn, 05 14 13.4, -0.5, W52A, eS, 05 14 13.6, -0.3, 255A, Murphy, 1.84, 316, P, Pn, 05 14 12.9, +0.1, 255A, Hazlehurst, 1.84, 183, ePn, Pn, 05 14 12.8, +0.8, 255A, Hazlehurst, 1.84, 183, P, Pn, 05 14 12.8, +0.8, V53A, Saluda, 1.93, 349, ePn, Pn, 05 14 14.6, -0.8, V53A, eS, 05 14 38.2, +0.5, V53A, Saluda, 1.93, 349, P, Pn, 05 14 14.4, +1.3, NHSC, baz=169, SNR=97, Pn, 05 14 14.5, +1.1, NHSC, New Hope, 1.95, 109, P, Pn, 05 14 14.3, +0.9, NHSC, baz=290, SNR=18, S, S, 05 14 42.4, -0.2, 254A, Abbeville, 1.98, 203, P, Pn, 05 14 14.5, +0.7, 254A, baz=22, SNR=28, S, S, 05 14 42.9, -0.6, W56A, Indian Trail, 2.01, 47, P, Pn, 05 14 14.8, +0.6, X57A, Johnson Farm, 2.01, 69, P, Pn, 05 14 15.0, +0.7, RGRS, Roger Stewart, 2.02, 115, ePn, Pn, 05 14 14.5, +0.2, W54A, Metts, 2.03, 10, P, Pn, 05 14 15.4, +0.8, CSU, Charleston Sou, 2.08, 112, ePn, Pn, 05 14 16.1, +0.9, 158A, Hollywood, 2.10, 119, P, Pn, 05 14 16.0, +0.5, 257A, Skidaway Island, 2.12, 147, ePn, Pn, 05 14 16.0, +0.3, 257A, Skidaway Island, 2.12, 147, P, Pn, 05 14 16.6, +0.8, Z58A, St. Stephen, 2.18, 101, P, Pn, 05 14 17.7, +1.1, TKL, Tuckaleechee C, 2.21, 329, ePn, Pn, 05 14 18.1, +1.2, X51A, Calhoun, 2.21, 292, ePn, Pn, 05 14 17.9, +1.0, X51A, Calhoun, 2.21, 292, P, Pn, 05 14 17.9, +1.0, 152A, Waverly Hall, 2.25, 241, ePn, Pn, 05 14 19.1, +1.5, 253A, Americus, 2.26, 221, ePn, Pn, 05 14 18.7, +1.0, 253A, Americus, 2.26, 221, P, Pn, 05 14 18.6, +1.0, Y58A, Scranton, 2.26, 86, P, Pn, 05 14 17.9, +0.3, Y58A, baz=97, S, S, 05 14 18.8, +0.8, V55A, Taylorsville, 2.28, 26, P, Pn, 05 14 18.8, +0.8, V55A, baz=205, S, S, 05 14 19.3, +1.1, V52A, Sevierville, 2.29, 334, ePn, Pn, 05 14 19.4, +1.3, V52A, baz=154, SNR=82, S, S, 05 14 19.8, +0.4, Z51A, Franklin, 2.38, 260, P, Pn, 05 14 19.8, +0.4, W57A, Gilead, 2.40, 54, P, Pn, 05 14 20.1, +0.5, W51A, Cleveland, 2.41, 306, P, Pn, 05 14 20.8, +1.1, W51A, baz=125, SNR=102, S, S, 05 14 55.4, -2.0, CPCT, Cooper Cave, 2.44, 314, ePn, Pn, 05 14 21.2, +1.1, 355A, Pearson, 2.46, 190, P, Pn, 05 14 21.0, +0.7, TIGA, Tifton, 2.54, 204, ePn, Pn, 05 14 22.6, +1.0, V56A, Mocksville, 2.55, 37, P, Pn, 05 14 22.6, +0.9, V51A, Loudon, 2.60, 322, ePn, Pn, 05 14 22.8, +0.5, V51A, Loudon, 2.60, 322, P, Pn, 05 14 23.0, +0.7, X58A, Rowland, 2.63, 72, P, Pn, 05 14 23.6, +0.8, 252A, Lumpkin, 2.66, 229, P, Pn, 05 14 23.9, +0.7, U52A, Thorn Hill, 2.74, 343, P, Pn, 05 14 25.2, +0.9, 151A, Opelika, 2.77, 244, P, Pn, 05 14 25.7, +1.0, U54A, Nelsons Funny, 2.78, 9, P, Pn, 05 14 25.8, +0.9, Y50A, Piedmont, 2.80, 273, P, Pn, 05 14 26.2, +1.1, X50B, Fort Payne, 2.80, 285, P, Pn, 05 14 25.9, +0.7, W50A, Signal Mountai, 2.81, 301, ePn, Pn, 05 14 26.4, +1.1, W50A, Signal Mountai, 2.81, 301, P, Pn, 05 14 26.1, +0.8, 353A, Camilla, 2.88, 213, P, Pn, 05 14 26.8, +0.6, W58A, baz=92, SNR=8.4, S, S, 05 14 26.4, +0.2, Z57A, Tazewell, 2.93, 341, ePn, Pn, 05 14 27.7, +0.8, Z57A, Tazewell, 2.93, 341, P, Pn, 05 14 28.1, +1.3, U51A, Follate, 2.93, 333, P, Pn, 05 14 27.5, +0.6, W51A, baz=152, S, S, 05 14 28.1, +1.1, V50A, Pikeville, 2.94, 311, P, Pn, 05 14 28.1, +1.1, V57A, Coltrane Farm, 3.00, 45, P, Pn, 05 14 28.2, +0.3, Z50A, Ashland, 3.01, 261, P, Pn, 05 14 29.3, +1.3, 352A, Midway, 3.05, 238, P, Pn, 05 14 30.0, +1.4, 251A, Blakely, 3.14, 224, ePn, Pn, 05 14 30.4, +0.6, 352A, Blakely, 3.14, 224, P, Pn, 05 14 30.0, +0.2, T53A, Wise, 3.20, 358, P, Pn, 05 14 31.8, +1.1, X59A, McDuffie Farm, 3.23, 75, P, Pn, 05 14 31.8, +0.8, X59A, baz=257, S, S, 05 14 31.8, +0.8

Table with columns: SWET, Swanee, 3.27, 297, ePn, Pn, 05 14 32.9, +1.3, T54A, Tazewell, 3.34, 11, P, Pn, 05 14 33.9, +1.2, 453A, Whigham, 3.34, 210, ePn, Pn, 05 14 33.2, +0.6, X49A, Woodville, 3.36, 284, P, Pn, 05 14 33.3, +0.5, Y49A, Blount Mountai, 3.36, 273, ePn, Pn, 05 14 34.0, +1.2, Y49A, Blount Mountai, 3.36, 273, P, Pn, 05 14 33.8, +1.0, T52A, Hall, 3.36, 352, P, Pn, 05 14 33.9, +1.1, W49A, Belvidere, 3.48, 294, P, Pn, 05 14 34.9, +0.4, 555A, McAlpin, 3.68, 188, ePn, Pn, 05 14 37.9, +0.8, 250A, Grady, 3.73, 242, ePn, Pn, 05 14 39.4, +1.5, 250A, Grady, 3.73, 242, P, Pn, 05 14 39.5, +1.5, 452A, Marianna, 3.76, 220, P, Pn, 05 14 39.2, +0.9, BLA, Blacksburg, 3.78, 24, ePn, Pn, 05 14 40.1, +1.5, 557A, Orange Park, 3.79, 171, P, Pn, 05 14 39.7, +1.0, U49A, Red Belling Sp, 3.91, 315, P, Pn, 05 14 41.2, +0.9, X48A, Hartsville, 3.93, 281, ePn, Pn, 05 14 42.1, +1.5, LRLAL, Lakeview Retre, 3.94, 260, ePn, Pn, 05 14 42.0, +1.2, LRLAL, eS, 05 15 28.4, +1.3, V59A, Middlesex, 3.94, 59, P, Pn, 05 14 41.1, +0.4, CNNC, Cliffs of the, 3.98, 67, ePn, Pn, 05 14 43.3, +2.0, CNNC, eS, 05 15 27.4, -0.9, S51A, Beattyville, 3.98, 346, ePn, Pn, 05 14 42.5, +1.2, V48A, Smith Brothers, 4.15, 299, ePn, Pn, 05 14 45.2, +1.4, U48A, Cassie Pea, Po, 4.37, 310, P, Pn, 05 14 47.5, +0.8, T58A, Grand View Acr, 4.46, 44, P, Pn, 05 14 48.3, +0.4, S56A, Nature Bridge, 4.51, 30, P, Pn, 05 14 49.9, +1.2, U59A, Littleton, 4.55, 54, P, Pn, 05 14 49.7, +0.5, X47A, Russellville, 4.61, 281, P, Pn, 05 14 49.9, -0.1, PLAL, Pickwick Lake, 4.67, 286, ePn, Pn, 05 14 54.5, +1.0, V46A, Holladay, 5.14, 295, P, Pn, 05 14 57.4, +0.1, V61A, Ripley, 5.18, 65, P, Pn, 05 14 58.1, +0.4, Q51A, Peebles, 5.30, 352, ePn, Pn, 05 15 00.4, +0.9, Q51A, eS, 05 16 01.0, +0.2, Q54A, Coxs Mills, 5.35, 13, ePn, Pn, 05 15 00.7, +0.6, P53A, Whipple, 5.76, 8, ePn, Pn, 05 15 06.2, +0.4, P53A, eS, 05 16 11.4, -0.6

KRSC 26 05:45:33.4:10.0, 52.98N:169.41E, h40km, 10km, ML3.9, South of Aleutian Islands

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, h m s, ISC, BKI, Bering, 3.01, 319, eP, Op, 05 48 23.6, +5.1, BKI, Op, 05 48 56.5, +3.3, MKZ, Mys Kozulova, 4.82, 292, eS, S, 05 47 44.0, +6.1, SPN, Mys Shipunski, 4.67, 275, eS, S, 05 46 59.2, +4.2, SPN, S, 05 48 02.5, +3.8, KZY, Kizimen, 5.78, 295, eS, S, 05 46 53.9, +3.2, NLC, Nalychchevo, 6.07, 276, eP, S, 05 47 05.0, +4.5, NLC, S, 05 48 13.1, +4.5, SDLR, Sedlovina, 6.35, 277, eP, S, 05 47 09.1, +4.7, UGLR, Uglovaya, 6.38, 276, eP, S, 05 47 10.0, +5.1, SMAR, Somma, 6.40, 277, eP, S, 05 47 08.9, +4.7, KKR, Koryakskii, 6.43, 277, eP, S, 05 47 10.2, +4.6, AVH, Avacha, 6.43, 277, eP, S, 05 47 10.6, +5.0, DALK, Dalny, 6.44, 275, eS, S, 05 48 24.2, +6.6, RUS, Russkaya, 6.65, 270, eP, S, 05 47 14.1, +5.7, RUS, S, 05 49 27.5, +4.7, KRMR, Karmyshinskiy, 6.83, 273, eS, S, 05 47 15.6, +4.7, KRMR, S, 05 48 31.7, +4.4, MTRV, Mutnovka, 6.84, 270, eS, S, 05 48 32.3, +4.5, ASAK, Asacha, 7.03, 270, eP, S, 05 47 19.2, +5.5, KDTR, Khodutka, Kamc, 7.04, 265, eP, S, 05 47 18.4, +4.7, KDTR, S, 05 48 37.1, +4.7

NIED 26 05:49:00.20:60N:122:40E, h32km, Mw4.0, Best double couple: M1, 0.70000:1015, NP1:34.00000, R53.00000, 1.12.00000, NP2:36.00000, R80.00000, 1.143.00000

IDC 26 05:49:26.2:0.9, 20:08N:122:40E, h0km, mb3.7/8, mb1 3.9/9, mb1mx3.7/40, mbmp3.7/9, ML3.7/1, MS3.1/5, Ms1 3.1/5, ms1mx2.8/53, Error ellipse: s-maj=51.0km s-min=16.0km az=72.0

JMA 26 05:49:30.7:9.20:55N:122:35E, h103km, M3.9, ISC 26 05:49:30.7:9.20:55N:122:35E:0.1, h31km, n28, r194627, mb3.6/8, MS3.2/4, Philippine Islands region

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC, h m s, ISC, HATJ, Hateruma jima, 3.92, 17, Op, P, 05 50 29.0, +0.2, HATJ, eS, 05 51 11.8, -2.0, JKRS, Kuro-shima, 4.15, 19, P, S, 05 50 32.7, +0.7, JKRS, S, 05 51 18.4, -1.1, JYNG, Yonagunijimaku, 4.16, 5, P, S, 05 51 16.9, -2.7, IRIF, Iriomote-Funau, 4.17, 15, P, S, 05 50 31.8, -0.8, IRIF, eS, 05 51 18.1, -0.4, YOJ, Yonaguni jima, 4.17, 6, P, S, 05 50 32.4, +0.1, JIJ, Ishigaki jima, 4.31, 20, P, S, 05 50 34.4, +0.2, JIJ, S, 05 51 21.1, -2.3, JISG, Ishigakijimah, 4.57, 20, P, S, 05 50 38.1, +0.3, JISG, S, 05 51 28.5, -1.4, JTJ, Tarama, 4.76, 24, P, S, 05 50 41.3, +0.9, JTJ, eS, 05 51 32.7, -1.8, JIRB, Irabujima, 5.12, 28, eS, P, 05 50 46.4, +0.4, JIRB, S, 05 51 42.0, -1.4, JOGS, Guskubue, 5.17, 30, P, S, 05 50 47.5, +1.5, KSRS, Kora Army, 17.73, 14, P, S, 05 53 37.8, +2.0, KRSR, 0.2nm, 0.3s, baz=193, slow=12, SNR=4.3, LR, LR, 06 00 36.5, CMAR, Chiang Mai Arr, 22.36, 269, LR, LR, 06 03 01.5, SONM, Songino Array, 30.44, 338, P, P, 05 55 40.8, +0.2, FITZ, Fitzroy Crossi, 38.27, 175, P, P, 05 56 46.0, -2.3, H11N1, WAKE ISLAND Hy 41.56, 83, T, T, 06 42 27.0, H11N2, WAKE ISLAND Hy 41.56, 83, T, T, 06 42 19.0, H11S3, WAKE ISLAND Hy 41.57, 85, T, T, 06 42 29.1, H11S1, WAKE ISLAND Hy 41.58, 85, T, T, 06 42 24.6, H11N3, WAKE ISLAND Hy 41.58, 83, T, T, 06 42 27.5, H11S2, WAKE ISLAND Hy 41.59, 85, T, T, 06 42 24.5, WRA, Warramunga Arr, 41.61, 163, P, P, 05 57 14.4, -1.7, MKAR, Makanchi Array, 42.05, 318, P, P, 05 57 20.7, +1.1, PALK, Palkelele, 42.53, 258, LR, LR, 06 15 59.7, ZALV, Zalesovo Beam, 44.21, 329, P, P, 05 57 37.6, +0.7, ZALV, 0.4nm, 0.4s, baz=133, slow=10.0, SNR=2.7, LR, LR, 06 17 18.7, comp-Z, 1.8nm, 18.6s, baz=70, slow=38, ASAR, Alice Springs, 45.06, 165, P, P, 05 57 43.6, -0.4, 0.5nm, 0.4s, baz=349, slow=7.3, SNR=8.7, KURBB, Yellowknife Arr, 45.93, 322, P, P, 05 57 51.0, +0.5, 0.4nm, 0.4s, baz=118, slow=7.7, SNR=3.7, AKTO, Aktyubinsk, 58.47, 317, LR, LR, 06 27 20.1, comp-Z, 2.2nm, 18.0s, baz=53, slow=39, YKA, Yellowknife Ar, 86.05, 23, P, P, 06 02 09.7, +1.7, 0.2nm, 0.6s, baz=308, slow=4.5, SNR=5.1

SJA



26d 6h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, etc.

26d 06:00:50.4-1.2, 30.26N; 102.93E, h0km, mb3.5/7, mb1 3.6/8, mb1mx3.4/64, mbtm3.5/8, ML3.7/1, Error ellipse: s-maj=42.7km s-min=20.7km az=58.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chengdu, Guiyang, Xian, etc.

KRSC 26 06:03:12.0, 10.0, 49.78N; 157.82E, h41km, 10km, ML3.8 SKHL 26 06:03:12.3, 0.2, 49.50N; 157.38E, h35km, mb4.8/2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Severo-Kuril's, Severo-Kuril's, etc.

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Table with columns: AVH, Avacha, 3.54 11 eP, Pn, 06 04 09.7 +1.6, etc.

IDC 26 06:05:51.8, 2.0, 24.21S; 178.99E, h564km, 19km, mb3.5/7, mb1 3.6/8, mb1mx3.3/22, mbtm3.4/5.8, Error ellipse: s-maj=24.8km s-min=16.2km az=37.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Raoul Island, DZM, URZ, etc.

IDC 26 06:40:06.5, 2.4, 54.10N; 86.39E, h0km, mb1 3.3/2, mb1mx3.0/37, mbtm3.3/2, ML3.0/2, Error ellipse: s-maj=18.7km s-min=12.0km az=55.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, ZAAO, ZALV, etc.

MOS 26 06:53:28.0, 6.0, 28.55S; 178.96W, h351km, mb5.9/48, Error ellipse: s-maj=7.9km s-min=5.6km az=111.0

NEIC 26 06:53:28.9, 1.9, 28.68S; 178.92W, h351km, mb5.8/234, MW6.1, MW6.2, MW6.1, Error ellipse: s-maj=13.7km s-min=12.1km az=124.0, Moment Tensor Solution. s62

Moment tensor: Scale 10^18Nm; Mr:0.42; Mw:1.63; Ms:1.20; Me:1.31; Mv:0.33; Mw:1.41; Best double couple: M2.40000x10^18 NP1:220.00000, 836.00000, 1.169.00000

Principal axes: T 2.3600, Plg40.0000, Azm101.0000; N 0.1500, Plg35.0000, Azm229.0000; P -2.5100, Plg30.0000, Azm394.0000

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Mn=0.38; Mw=1.27; Ms=0.89; Me=0.99; Mv=0.50; Mw:1.17; Best double couple: M2.00000x10^18 NP1:120.00000, 836.00000, 1.169.00000

ISC 26 06:53:28.9, 0.2, 28.73S; 178.90W, 0.03, h355km, 1km, h356km; p-P, N1759, r1552/2042, mb5.8/296, 79C-48D, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Raoul Island, Green Lake, Great Barrier, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like Baring Head, Palliser, PINNC, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like PMOR Pomariorio Ree, VAH Vaihoo, CTA Charters Tower, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like FITZ Fitzroy Crossi, FAKI Fak Fak, HMH Humu'ula Sheep, etc.

26d 6h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Kota Kinabalu, Cisi, TGy, LEM, SBUM, etc.

2013 APR

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SISI, SSSI, SSSI, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PAGR, MCMC, SRIG, etc.

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003E	Paynes Creek	86.74	40	P	P	07 05 34.3 +0.8
MDJ	Mudanjiang	86.81	326	P	P	07 05 35.0 +1.3
MDJ				pP	pP	07 06 57.0 +1.2
MDJ				sP	sP	07 07 32.5 -0.1
MDJ				pp	pp	07 09 05.5 +3.0
MDJ	comp=Z,84nm,1.7s			pmax	pmax	
MDJ	comp=Z,2um,8.2s			pmax	pmax	
MDJ	Mudanjiang	86.81	326	eP	P	07 05 34.9 +1.3
IRM	Iron Mountain	86.86	48	P	P	07 05 36.1 +1.9
RUBR	Rubicon Trail	86.86	42	eP	P	07 05 35.0 +0.7
M02C	Callahan	86.90	39	P	P	07 05 36.0 +1.8
GMRC	Granite Mounta	86.91	47	P	P	07 05 36.0 +1.4
WAKR	Walker	86.92	43	eP	P	07 05 35.7 +1.1
113A	Mohawk Valley	86.93	50	eP	P	07 05 36.1 +1.6
L02E	Cave Junction	87.02	38	P	P	07 05 36.4 +1.7
Y12C	Blythe	87.02	49	eP	P	07 05 36.5 +1.6
Y12C	Blythe	87.02	49	eP	P	07 05 36.7 +1.8
214A	Organ Pipe Nat	87.09	51	P	P	07 05 37.2 +1.9
TUQ	Turquoise Moun	87.14	47	P	P	07 05 37.0 +1.4
FURC	Furnace Creek	87.19	45	P	P	07 05 36.8 +1.2
DL2	Dailian	87.19	318	iP	P	07 05 36.5 +0.9
DL2				pP	pP	07 06 56.5 -1.3
DL2				sP	sP	07 07 40.0 -0.2
DL2				SKS	SKS	07 09 02.0 -3.7
DL2				sS	sS	07 15 45.8 +1.4
DL2				sS	sS	07 18 04.5 -4.3
DL2	comp=Z,96nm,1.1s			pmax	pmax	
SHOC	comp=Z,1um,3.8s			pmax	pmax	
SHOC	Ghostnot Ranc	87.21	46	P	P	07 05 37.0 +1.2
YBH	Yreka Blue Hor	87.21	39	eP	P	07 05 36.9 +1.2
YBH	Yreka Blue Hor	87.21	39	eP	P	07 05 36.9 +1.2
PNTR	Pine Nut	87.21	42	eP	P	07 05 36.9 +0.9
GRAC	Grapevine Rang	87.21	45	P	P	07 05 37.2 +1.4
SKNT	Sakolnakorn	87.22	291	P	P	07 05 37.7 +1.5
BEKR	Beckworth	87.28	41	eP	P	07 05 36.9 +0.7
VNCR	Virginia City	87.32	42	eP	P	07 05 37.2 +0.8
YERR	Yerington	87.36	42	eP	P	07 05 37.3 +0.6
K02D	comp=Z,295nm,1.8s	87.36	37	P	P	07 05 37.9 +1.5
LHMI	Lhok Sumawe	87.38	277	P	P	07 05 36.9 -0.2
LDFC	Landfair	87.44	47	eP	P	07 05 38.9 +1.9
PKDT	Phuket	87.46	280	P	P	07 05 39.7 +2.3
J01E	Myrtle Point	87.54	37	P	P	07 05 38.7 +1.6
RYN	Ryan	87.55	43	eP	P	07 05 38.0 +0.5
NV01	Mina Array Sit	87.55	43	eP	P	07 05 37.8 +0.2
NVAR	Mina Array Bay	87.55	43	eP	P	07 05 37.8 +0.2
NVAR	comp=Z,4.3nm,0.7s,baz=220,slow=8.3,SNR=1.7			sP	sP	07 06 58.8 -1.0
NVAR	comp=Z,1.1nm,0.9s,baz=222,slow=6.5,SNR=2.8			pP	pP	07 07 31.3 -5.2
NVAR	comp=Z,1.6nm,0.7s,baz=108,slow=4.8,SNR=11			PKKPPbc	PKKPPbc	07 23 26.1 +0.7
NVAR	comp=Z,0.7nm,0.6s,baz=74,slow=4.3,SNR=7.7			PKKPPK P'pdf	PKKPPK P'pdf	07 31 30.0 -0.3
N2E2	Needles Airpor	87.57	48	P	P	07 05 39.2 +1.7
PMDCI	Parker Dam,Lak	87.61	49	P	P	07 05 39.5 +1.9
NV11	Mina Array Sit	87.64	43	eP	P	07 05 38.6 +0.7
M04C	Madcoel	87.72	39	P	P	07 05 39.4 +1.2
L04D	Klamath Falls	87.76	38	P	P	07 05 39.5 +1.1
SNY	Shenyang	88.01	321	iP	P	07 05 40.0 +0.7
SNY				pP	pP	07 07 00.0 -1.8
SNY				sP	sP	07 07 38.0 -0.5
SNY				pp	pp	07 09 09.5 -2.6
SNY	comp=Z,1um,7.7s			pmax	pmax	
SNY	comp=Z,940nm,16.7s			LR	LR	
SNY	comp=Z,440nm,17.1s			LR	LR	
SNY	comp=Z,1um,24.6s			LR	LR	
I03D	Drain, OR	88.22	37	P	P	07 05 41.7 +1.5
I02D	Swishome	88.24	36	P	P	07 05 42.1 +1.8
TIA	Taian	88.26	313	P	P	07 05 42.0 +1.3
TIA				pP	pP	07 07 03.0 -0.3
TIA				sP	sP	07 07 42.0 +2.6
TIA	comp=Z,44nm,0.6s			pmax	pmax	
TIA	comp=Z,1um,3.3s			LR	LR	
TIA	comp=Z,770nm,21.6s			LR	LR	
TIA	comp=Z,960nm,21.0s			LR	LR	
K04D	Chiloquin, OR	88.34	38	P	P	07 05 42.3 +1.2
CN2	Changchun	88.34	323	iP	P	07 05 41.5 +0.6
CN2				sP	sP	07 07 39.5 -0.5
CN2				eS	eS	07 15 32.3 -2.6
CN2				sS	sS	07 15 56.3 +1.6
CN2	comp=Z,80nm,1.2s			pmax	pmax	
CN2	comp=Z,1um,3.0s			pmax	pmax	
GRNR	Gornyy	88.45	333	eP	P	07 05 42.6 +1.4
J04D	Umpqua Nationa	88.56	38	P	P	07 05 43.6 +1.4
TUC	Tucson	88.69	52	eP	P	07 05 44.9 +2.0
TUC	Tucson	88.69	52	eP	P	07 05 45.2 +2.3
I04C	Tendick Farm,	88.78	37	P	P	07 05 44.0 +1.1
NKL	Nikolayevsk	88.80	337	iP	P	07 05 43.5 +0.8
NKL				pp	pp	07 07 05.0 -0.6
NKL				e	e	07 07 42.0 -0.3
NKL				eS	eS	07 15 33.5 -3.5
NKL				e	e	07 16 03.0 +0.3
NKL				pmax	pmax	07 17 40.0
NKL	comp=Z,1um,8.0s			pmax	pmax	
NKL	comp=Z,360nm,1.0s			smax	smax	
NKL	comp=N,200nm,2.0s			smax	smax	
NKL	comp=N,2um,6.0s			smax	smax	
COR	Corvallis	88.85	36	eP	P	07 05 44.6 +1.4
COR	comp=Z,226nm,1.4s			eP	eP	07 05 44.6 +1.4

COR	comp=Z,226nm,1.4s			pmax	pmax	
K05A	Summer Lake	88.88	39	eP	P	07 05 44.8 +1.2
KDAK	Kodiak Island	88.97	14	P	P	07 05 44.0 +0.6
KDAK	comp=Z,25nm,0.9s,baz=169,slow=3.8,SNR=6.7			pP	pP	07 07 09.8 +0.7
KDAK	comp=Z,42nm,1.1s,baz=188,slow=12,SNR=5.1			pP	pP	07 07 47.7 +4.3
J05D	Fort Rock, OR	89.06	38	P	P	07 05 45.9 +1.4
MOIG	Morelia	89.08	67	eP	P	07 05 46.1 +0.9
H04D	Lebon	89.10	36	P	P	07 05 45.9 +1.5
R11A	Troy Canyon, C	89.16	45	eP	P	07 05 45.5 +0.4
R11A	Troy Canyon, C	89.16	45	P	P	07 05 45.9 +0.8
KLR	Kul'dur	89.20	330	P	P	07 05 45.1 +0.4
KLR	comp=Z,42nm,0.9s,baz=121,slow=3.2,SNR=4.2			pp	pp	07 07 08.6 +1.1
KLR	comp=Z,46nm,1.3s,baz=142,slow=4.3,SNR=2.9			iP	iP	07 05 45.7 +1.0
KLR	comp=Z,143nm,1.5s			pmax	pmax	
319A	Douglas	89.20	53	eP	P	07 05 47.3 +1.9
G03D	McMinville, O	89.30	36	P	P	07 05 46.7 +1.4
HPIG	comp=Z,329nm,1.9s	89.39	59	eP	P	07 05 47.1 +0.6
X16A	Lo Mia Camp, P	89.47	50	eP	P	07 05 48.1 +1.5
BMN	Battle Mountai	89.48	42	eP	P	07 05 47.3 +0.8
BMN	Battle Mountai	89.48	42	eP	P	07 05 47.3 +0.8
BMN	comp=Z,196nm,1.4s			pmax	pmax	
PBKT	Sadao Pong	89.50	289	P	P	07 05 49.2 +2.4
H04A	Detroit Lake	89.50	37	eP	P	07 05 47.0 +0.7
SKS	comp=Z,300nm,1.5s			SKS	SKS	07 05 48.1 +1.3
PINE	Pine Mountain	89.56	38	eP	P	07 05 48.1 +1.3
ZAIG	Zacatecas	89.57	64	eP	P	07 05 48.8 +1.3
I05D	Terebonne, OR	89.71	37	P	P	07 05 48.5 +1.2
GO04	Tololo Observa	89.83	125	eP	P	07 05 49.0 +0.3
WVOR	Wild Horse Val	89.94	40	eP	P	07 05 49.4 +0.9
WVOR	Wild Horse Val	89.94	40	eP	P	07 05 49.4 +0.9
WVOR	comp=Z,218nm,1.5s			pmax	pmax	
SRDT	SRDT	89.94	286	P	P	07 05 51.8 +2.8
ENH	Enshi	90.01	305	eP	P	07 05 50.2 +1.2
F04D	Rainier, OR	90.03	35	P	P	07 05 50.6 +1.9
GUYA	Guiyang	90.04	300	iP	P	07 05 50.8 +1.4
GUYA				pP	pP	07 07 10.0 +1.6
GUYA				sP	sP	07 07 49.5 +1.5
GUYA				pp	pp	07 09 32.8 +4.1
GUYA				SKS	SKS	07 15 48.8 +2.9
GUYA				sS	sS	07 16 12.8 +1.2
GUYA				sS	sS	07 18 37.9 +0.4
GUYA				SS	SS	07 22 24.5 +4.2
GUYA	comp=Z,40nm,1.5s			pmax	pmax	
GUYA	comp=Z,430nm,9.1s			pmax	pmax	
GUYA	comp=Z,1um,26.7s			LR	LR	
GUYA	comp=Z,940nm,24.3s			LR	LR	
CCUT	Cedar City	90.06	46	eP	P	07 05 50.9 +1.5
U15A	North Rich	90.09	48	eP	P	07 05 51.1 +1.5
WUAZ	Wupatki	90.15	49	P	P	07 05 51.3 +1.6
TLIG	Tiipa	90.16	70	eP	P	07 05 51.7 +1.6
G05D	Wamic, OR	90.33	37	P	P	07 05 51.3 +1.2
I07A	Izeze	90.53	38	eP	P	07 05 52.2 +1.0
LCO	Las Campanas	90.54	124	eP	P	07 05 52.9 +0.9
LCO	Las Campanas	90.54	124	eP	P	07 05 52.9 +0.9
LCO	comp=Z,231nm,1.4s			pmax	pmax	
LCO	comp=Z,345nm,1.9s			pmax	pmax	
LCO	comp=Z,345nm,1.9s			pmax	pmax	
E04D	Cinebar	90.58	35	P	P	07 05 52.8 +1.6
G05A	Carlson Farm	90.69	37	eP	P	07 05 52.7 +0.9
F06D	Longme	90.69	36	P	P	07 05 52.6 +0.9
G06A	White Salmon	90.85	43	eP	P	07 05 53.5 +0.6
ELK	Elko	90.85	43	eP	P	07 05 53.5 +0.6
ELK	comp=Z,97nm,1.4s			pmax	pmax	
ELK	comp=Z,97nm,1.4s			pmax	pmax	
CFA	Coronel Fontan	90.86	127	P	P	07 05 54.3 +1.1
CFA	comp=Z,53nm,0.9s,baz=241,slow=4.2,SNR=8.3			pp	pp	07 07 14.0 -1.7
D04E	Lakebay	90.90	35	P	P	07 05 54.8 +2.1
121A	Cookes Peak, D	90.91	51	P	P	07 05 55.1 +1.8
D03D	Eldon	90.99	34	P	P	07 05 54.5 +1.5
W18A	Petrified Rock	91.02	50	eP	P	07 05 55.1 +1.4
W18A	Petrified Fore	91.02	50	eP	P	07 05 55.2 +1.4
LON	Longme	91.09	35	eP	P	07 05 54.1 +0.4
BJT	Baijiatuu	91.18	316	eP	P	07 05 55.1 +0.9
D05A	Enumclaw	9				

Table with columns for station name, frequency, power, and other technical details. Includes stations like MSO Missoula, SDCO Great Sand Dun, MOOW Moose Ponds, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LPAZ Cedar Bluff, GCUF Volcan Galeras, SONMO Songo Array, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like 151A Opelika, X49A Woodville, P45A Gracefield, etc.

BLA	Blacksburg	113.04	59	P	PKIKP	07 11 24.1	-0.2
P53A	Whipple	113.06	56	P	PKIKP	07 11 23.8	-0.5
M51A	Elyria	113.08	54	P	PKIKP	07 11 24.0	-0.3
V57A	Coltrane Farms	113.09	61	P	PKIKP	07 11 24.0	-0.4
E46A	Sault Ste Mari	113.18	49	P	PKIKP	07 11 24.0	-0.3
W58A	Raeoford	113.22	62	P	PKIKP	07 11 24.1	-0.6
N52A	McGinn's Farm,	113.27	55	P	PKIKP	07 11 24.2	-0.5
T56A	Rocky Mt	113.27	59	P	PKIKP	07 11 24.3	-0.5
Q54A	Coxs Mills	113.31	57	P	PKIKP	07 11 24.2	-0.5
O35A	New Philadelphia	113.43	56	P	PKIKP	07 11 24.4	-0.6
DGZ	Jazzator, Alta	113.59	315	P/IKIKP	PKIKP	07 11 25.2	0.0
R55A	Marlington	113.61	58	P	PKIKP	07 11 24.9	-0.6
P54A	Burton	113.76	57	P	PKIKP	07 11 25.1	-0.6
T57A	Hurt	113.85	60	P	PKIKP	07 11 25.2	-0.7
Q55A	Buckhannon	113.86	57	P	PKIKP	07 11 25.2	-0.7
N53A	Lisbon	113.88	55	P	PKIKP	07 11 25.3	-0.5
E47A	Iron Bridge	113.89	49	P	PKIKP	07 11 25.1	-0.6
O44A	Avella	114.02	56	P	PKPfd	07 11 25.5	-0.6
X60A	Albert Glenn T	114.05	63	P	PKPfd	07 11 25.6	-0.7
F48A	Evansville	114.14	50	P	PKPfd	07 11 25.8	-0.3
D47A	Chapleau	114.18	48	P	PKPfd	07 11 25.8	-0.4
M35A	WI Miller and	114.19	55	P	PKPfd	07 11 25.9	-0.6
U58A	Oxford	114.19	60	P	PKPfd	07 11 25.9	-0.7
P55A	Reedeville	114.21	57	P	PKPfd	07 11 25.9	-0.7
CNNC	Cliffs of the	114.33	62	P	PKPfd	07 11 26.0	-0.8
T58A	Grand View Acr	114.38	60	P	PKPfd	07 11 26.3	-0.6
W60A	Pink Hill	114.40	62	P	PKPfd	07 11 26.2	-0.8
N54A	Moraine State	114.54	55	P	PKPfd	07 11 26.5	-0.6
ZSN	Zaisan	114.58	312	ePKIKP	PKPfd	07 11 26.1	-0.9
ZSN	Zaisan	114.58	312	ePKIKP	PKPfd	07 11 26.1	-0.8
E48A	Lockeyer	114.63	49	P	PKPfd	07 11 26.6	-0.5
L53A	Girard	114.64	54	P	PKPfd	07 11 26.7	-0.6
BWLO	Walkerton	114.65	52	P	PKPfd	07 11 26.7	-0.5
PTGA	Pitinga	114.76	105	ePKIKP	PKPfd	07 11 28.7	+0.3
O55A	Ligonier	114.81	56	P	PKPfd	07 11 27.5	-0.2
M54A	Oil Creek Stat	114.93	55	P	PKPfd	07 11 27.5	-0.4
S58A	Poland Farm, P	114.95	59	P	PKPfd	07 11 27.6	-0.4
V60A	Jim Taylor Roa	114.98	61	P	PKPfd	07 11 27.6	-0.5
W61A	Ground Anchor	115.00	62	P	PKPfd	07 11 27.5	-0.6
D48A	Paudash Townsh	115.06	48	P	PKPfd	07 11 27.4	-0.5
T59A	Double "B" Far	115.13	60	P	PKPfd	07 11 27.8	-0.5
R58B	Mineral	115.19	59	P	PKPfd	07 11 27.4	-1.0
BDFB	Brasilia	115.19	126	PKP	PKPfd	07 11 29.4	+0.1
BDFB	comp=1.9nm,0.6s,baz=317,slow=5.8,SNR=4						
BDFB	PKKPbc						
R58A	Rapidan	115.20	59	P	PKPfd	07 11 27.7	-0.7
N55A	Marion Center	115.21	56	P	PKPfd	07 11 27.7	-0.7
OPO	Ambohadratomp	115.24	229	PKP	PKPfd	07 11 30.3	+0.9
TYNO	Tyneside	115.25	53	P	PKPfd	07 11 27.8	-0.6
O56A	Blue Knob Stat	115.37	56	ePKPfd	PKPfd	07 11 28.3	-0.5
O56A	Blue Knob Stat	115.37	56	P	PKPfd	07 11 28.0	-0.7
D49A	Seulah Townshi	115.38	48	P	PKPfd	07 11 27.8	-0.7
L54A	Sinclairville	115.39	54	P	PKPfd	07 11 27.8	-0.9
V61A	Roper	115.52	62	P	PKPfd	07 11 28.1	-1.0
E50A	Wahnapiitae	115.57	49	P	PKPfd	07 11 28.5	-0.3
M55A	Ridgway	115.57	55	P	PKPfd	07 11 28.4	-0.7
S59A	Mechanicsville	115.57	59	P	PKPfd	07 11 28.3	-0.8
H52A	Wyevale	115.66	51	P	PKPfd	07 11 28.4	-0.7
T60A	Surry	115.81	60	P	PKPfd	07 11 29.3	-0.3
R59A	King George, V	115.83	59	P	PKPfd	07 11 29.3	-0.3
RES	Resolute Bay	115.89	17	PKP	PKPfd	07 11 27.9	-0.7
RES	comp=2.5,2nm,0.9s,baz=247,slow=2.3,SNR=20						
RES	PKKPbc						
SSPA	Standing Stone	115.97	56	P	PKPfd	07 11 29.2	-0.7
SSPA	Standing Stone	115.97	56	P	PKPfd	07 11 29.6	-0.2
F51A	Arnstein	115.99	50	P	PKPfd	07 11 29.6	0.0
L55A	Hinsdale	116.00	54	P	PKPfd	07 11 29.6	-0.3
S60A	Water View	116.04	60	P	PKPfd	07 11 29.8	-0.2
PKRO	Pickering	116.04	52	P	PKPfd	07 11 29.6	-0.3
MK31	Makanchi Array	116.10	311	ePKPfd	PKPfd	07 11 29.4	-0.5
MK32	Makanchi Array	116.10	311	ePKIKP	PKPfd	07 11 29.4	-0.5
MK33	Makanchi Array	116.10	311	ePKPfd	PKPfd	07 11 29.7	-0.3
IKAR	Makanchi Array	116.10	311	PKP	PKPfd	07 22 02.9	+1.0
IKAR	comp=2.8,5nm,0.5s,baz=219,slow=1.7,SNR=76						
IKAR	PKKPbc						
BK40	Appleton	116.16	53	P	PKPfd	07 11 30.0	0.0
J50A	Buck Lake	116.21	51	P	PKIKP	07 11 30.3	-0.1
ZAAO	Zalesovo Array	116.27	319	ePKPfd	PKPfd	07 11 29.0	-1.0
ZALV	Zalesovo Beam	116.27	319	ePKPfd	PKPfd	07 11 29.4	-0.5
ZALV	comp=2.5,0nm,0.5s,baz=161,slow=1.3,SNR=17						
ZALV	PKP						
ZAA1	Zalesovo Array	116.27	319	ePKPfd	PKPfd	07 11 29.4	-0.5
MAK2	Makanchi	116.31	311	ePKPfd	PKPfd	07 11 29.6	-0.7
MAK2	Makanchi	116.31	311	ePKIKP	PKPfd	07 11 29.7	-0.7
SDMD	Soldier's Deli	116.39	58	ePKPfd	PKPfd	07 11 30.3	-0.4
SUR	Sutherland	116.42	199	PKP	PKPfd	07 11 32.3	+0.9
SUR	comp=2.26nm,0.6s,baz=125,slow=1.3,SNR=87						
SUR	PKP						
SUR	comp=2.5,8nm,0.7s,baz=146,slow=8.0,SNR=40						
SUR	PKKPbc						
SUR	comp=2.5,8nm,0.8s,baz=271,slow=3.7,SNR=5.8						
SUR	Sutherland	116.41	199	ePKPfd	PKPfd	07 11 32.0	+0.6
SUR	G1948 Merrick	116.43	50	P	PKIKP	07 11 30.1	-0.5
WLVO	Wesleyville	116.50	53	P	PKPfd	07 11 30.1	-0.6
D51A	Lot 18 Range I	116.64	49	P	PKPfd	07 11 30.2	-0.8
G53A	Haliburton	116.66	51	P	PKPfd	07 11 30.3	-0.7
J55A	Hilton	116.74	53	P	PKPfd	07 11 30.6	-0.6
MVLA	Millersville	116.92	57	ePKPfd	PKPfd	07 11 31.2	-0.5

E52A	Mattawa	116.92	50	P	PKPfd	07 11 31.0	-0.5
I55A	Frankford	117.08	52	P	PKPfd	07 11 31.2	-0.6
SHLS	Shalkode	117.10	306	ePKIKP	PKPfd	07 11 30.9	-1.2
SHLS	Shalkode	117.10	306	ePKP	PKPfd	07 12 43.3	
SHLS	Shalkode	117.10	306	ePKP	PKPfd	07 11 31.0	-1.2
SHLS	Shalkode	117.10	306	ePKP	PKPfd	07 12 43.4	-5.1
ALGO	Bancroft	117.11	51	P	PKPfd	07 11 31.3	-0.6
BALNO	Algonquin Park	117.25	50	P	PKPfd	07 11 31.5	-0.6
D52A	ZEK Kipawa Sen	117.25	49	P	PKPfd	07 11 31.5	-0.6
NVS	Novosibirsk	117.36	320	ePKIKP	PKPfd	07 11 31.8	-0.2
NVS	Novosibirsk					07 17 51.3	
NVS	comp=E,12nm,0.7s			pmax	pmax		
NVS	comp=Z,26nm,0.7s			pmax	pmax		
NVS	comp=N,6.0nm,0.5s						
UZB	Plevna	117.41	306	ePKIKP	PKPfd	07 11 32.4	-0.3
UZB	Uzynbulak	117.41	306	ePKP	PKPfd	07 12 45.4	-0.3
UZB	Uzynbulak	117.41	306	ePKP	PKPfd	07 12 48.5	-2.1
UZB	Uzynbulak	117.41	306	ePKP	PKPfd	07 11 32.5	-0.1
H55A	Tweed	117.50	52	P	PKPfd	07 11 32.5	-0.1
N58A	State Game Lan	117.59	56	ePKPfd	PKPfd	07 11 32.8	-0.2
N58A	State Game Lan	117.59	56	P	PKPfd	07 11 32.7	-0.3
E53A	Dumoine, Ponti	117.61	50	P	PKPfd	07 11 31.1	-1.7
PLVO	Plevna	117.70	52	P	PKPfd	07 11 32.1	-0.9
KPKS	Kokpek	117.73	307	ePKIKP	PKPfd	07 11 32.6	-0.7
KPKS	Kokpek	117.73	307	ePKP	PKPfd	07 12 48.2	-4.5
KPKS	Kokpek	117.73	307	ePKP	PKPfd	07 12 48.2	-4.5
PEMO	Pembroke	117.73	51	P	PKPfd	07 11 32.2	-0.8
KSPA	Keystone Cole	117.76	56	ePKPfd	PKPfd	07 11 33.1	-0.1
BRNY	Binghamton	117.77	55	P	PKPfd	07 11 32.4	-0.9
NRIK	Notk	117.80	336	PKP	PKIKP	07 11 32.7	+0.2
NRIK	comp=N,14nm,0.7s,baz=110,slow=2.7,SNR=19						
NRIK	PKP						
NRIK	comp=N,5.2nm,0.9s,baz=104,slow=6.6,SNR=6.9						
NRIK	PKKPbc						
NRIK	comp=N,0.8nm,0.3s,baz=263,slow=5.7,SNR=7.5						
LUPA	Lehigh Univer	117.80	57	ePKPfd	PKPfd	07 11 33.0	-0.3
SATY	Saty	117.83	306	ePKIKP	PKPfd	07 11 32.6	-0.9
SATY	Saty	117.83	306	ePKP	PKPfd	07 11 32.6	-0.9
SATY	Saty	117.83	306	ePKP	PKPfd	07 12 45.5	-5.0
ZHN	Zhinishe	117.83	306	ePKIKP	PKPfd	07 12 49.4	-1.2
ZHN	Zhinishe	117.83	306	ePKP	PKPfd	07 11 32.4	-1.2
ZHN	Zhinishe	117.83	306	ePKP	PKPfd	07 12 49.4	-1.2
ZHN	Zhinishe	117.83	306	ePKP	PKPfd	07 11 32.8	-0.7
E54A	Lac Daplat, Po	117.95	50	P	PKPfd	07 11 32.7	-0.9
G55A	Calabogie	117.99	51	P	PKPfd	07 11 32.7	-0.9
SJG	San Juan	118.08	84	ePKPfd	PKPfd	07 11 33.5	-1.0
SJG	San Juan	118.08	84	ePKIKP	PKPfd	07 11 33.5	-1.0
H56A	Elgin	118.16	52	P	PKPfd	07 11 33.0	-0.9
SEM	Semipalatinsk	118.25	314	ePKIKP	PKPfd	07 11 31.9	-2.3
SEM	Semipalatinsk	118.25	314	ePKP	PKPfd	07 12 54.6	-2.3
HUMP	Col San Antoni	118.36	84	ePKPfd	PKPfd	07 11 34.5	-0.6
D54A	Lac Fusel, La	118.46	49	P	PKPfd	07 11 33.4	-1.0
BOSA	Boshof	118.47	204	ePKP	PKIKP	07 11 36.3	+0.9
BOSA	comp=N,16nm,0.6s,baz=151,slow=2.2,SNR=7.7						
BOSA	PKKPbc						
BOSA	comp=N,2.3nm,0.7s,baz=297,slow=7.7,SNR=4.0						
BOSA	Boshof	118.47	204	ePKPfd	PKIKP	07 11 36.1	+0.7
KDJ	Kajisay	118.48	305	ePKPfd	PKPfd	07 11 34.1	-0.8
KDJ	Kajisay	118.48	305	ePKPfd	PKPfd	07 11 34.1	-0.8
MTP	Monte Pirata	118.60	84	ePKPfd	PKPfd	07 11 34.9	-0.6
LSQ1	Lebel-sur-Quev	118.65	47	P	PKPfd	07 11 33.6	-1.1
KSH	Kashi	118.71	302	PKP	PKIKP	07 11 36.5	+1.1
KSH	Kashi			PKP	PKPfd	07 12 03.0	+0.4
KSH	Kashi			ePKP		07 13 37.3	
KSH	Kashi			PKS		07 15 11.0	
KSH	Kashi			SKKS		07 19 21.5	
KSH	Kashi			SS		07 28 55.8	-4.0
KSH	Kashi			AMB			
KSH	comp=N,620nm,4.1s			LR	LR		
KSH	comp=N,450nm,6.5s			LR	LR		
KSH	comp=N,390nm,7.1s			LR	LR		
KSH	comp=N,340nm,14.7s						





FETY	Fethiye	155.23 296	P	PKPdf	07 12 39.2 -1.0
MANT	Manisa	155.23 300	ePKPdf	PKPdf	07 12 39.9 -0.5
MANT			ePKPab	PKPab	07 12 08.7 +1.3
OKC	Ostrava-Krasne	155.25 333	ePKP2	PKPab	07 13 07.1 +0.3
OKC	Ostrava-Krasne	155.25 333	ePKPAB	PKPab	07 13 07.1 +0.3
OKC			ePKP	PKPbc	07 14 19.8 +3.8
OKC			ePKP	PKPbc	07 26 20.0
DRGR		155.30 323	l/P	PKPdf	07 12 50.8 +1.1
LTWH	Ltavrtes, Hu	155.33 325	ePKPdf	PKPdf	07 12 44.0 +4.1
SZH	Strazhica	155.34 313	P	PKPdf	07 12 39.6 -0.5
UPC	Udice	155.50 337	ePKIKP	PKPdf	07 12 40.5 +0.4
UPC			ePKP	PKPdf	07 12 40.5 +0.4
UPC	Udice	155.50 337	ePKPDF	PKPdf	07 12 40.5 +0.4
UPC			ePKP	PKPbc	07 12 52.6
UPC			ePKPAB	PKPbc	07 13 08.9 +1.0
UPC			ePKP	PKPbc	07 14 20.1 +3.6
UPC			eSKKS	PKPbc	07 22 53.9
UPC	Dobruska-Polom	155.52 336	ePKIKP	PKPdf	07 12 40.7 +0.5
DPC	Dobruska-Polom	155.52 336	ePKPDF	PKPdf	07 12 40.7 +0.5
DPC			ePKP	PKPbc	07 12 52.4
DPC			ePKPAB	PKPab	07 13 09.0 +1.0
DPC			ePKP	PKPbc	07 14 19.3 +2.7
DPC			ePKP	PKPbc	07 17 36.6
DPC			eSKKS	PKPbc	07 22 59.9
MORC	Moravsky Berou	155.53 334	ePKPdf	PKPdf	07 12 39.8 -0.4
MORC	Moravsky Berou	155.53 334	l/P	PKPdf	07 12 41.3 +1.1
MORC	Moravsky Berou	155.53 334	ePKIKP	PKPdf	07 12 39.8 -0.4
MORC	Moravsky Berou	155.53 334	ePKP	PKPdf	07 12 40.2 0.0
MORC			ePKP	PKPdf	07 18 07.9
KRLC	Kraliky	155.58 335	ePKIKP	PKPdf	07 12 40.8 +0.5
KRLC			ePKPDF	PKPdf	07 12 40.8 +0.5
KRLC			ePKPAB	PKPab	07 13 08.7
KRLC	Kraliky	155.58 335	ePKPDF	PKPdf	07 12 40.8 +0.5
KRLC			ePKPAB	PKPab	07 13 08.7 +0.4
CLL	Collm	155.74 342	ePKPdf	PKPdf	07 12 40.4 0.0
CLL			ePKPAB	PKPab	07 13 11.2 +2.3
CLL	Collm	155.74 342	l/PKPDF	PKPdf	07 12 40.1 -0.3
CLL	comp=Z,67nm,1.6s		i	PKPdf	07 12 40.1 -0.3
CLL	comp=Z,42nm,1.2s		i	PKPdf	07 12 50.9
CLL	comp=Z,126nm,1.0s		i	PKPab	07 13 07.9 +0.9
CLL			ePKPdf	PKPdf	07 14 12.0 +4.0
CLL			ePKPdf	PKPbc	07 14 20.0 +3.0
CLL			ePKPAB	PKPab	07 15 08.0 -1.0
CLL			ePKPAB	PKPab	07 15 08.0 -1.0
CLL			ePKP	PKPbc	07 16 44.0 -3.0
CLL	comp=Z,500nm,29.0s		ePKP	PKPbc	07 18 06.0
CLL			ePKP	PKPbc	07 18 06.0
CLL			eSKSDF	SKSDF	07 19 12.0 -0.1
CLL			ePPP	PPP	07 20 18.0
CLL			ePKP	PKPbc	07 21 00.0
CLL			eSKKSac	SKKSac	07 23 01.0 +0.4
CLL			ePKP	PKPbc	07 24 01.0
CLL			eSKSP	SKSP	07 26 28.0
CLL			ePKS	PKS	07 27 12.0
CLL			ePKS	PKS	07 28 48.0
CLL			eSPP	SPP	07 29 19.0
CLL			ePPS	PPS	07 30 06.0
CLL			ePPS	PPS	07 31 16.0
CLL			ePKP	PKPbc	07 32 02.0
CLL			eSS	SS	07 36 00.0 -3.4
CLL			eSSP	SSP	07 37 00.0
CLL			eSSS	SSS	07 38 30.0
CLL			eSSS	SSS	07 42 06.0
CLL			eSSS	SSS	07 43 42.0
CLL			eSSS	SSS	07 46 18.0
CLL			eSSS	SSS	07 48 54.0
CLL			eSSS	SSS	07 50 30.0
CLL			eSSS	SSS	07 54 00.0
CLL	Collm	155.74 342	ePKIKP	PKPdf	07 12 40.4 0.0
CLL	Berggiesshubel	155.85 340	i	PKPdf	07 12 40.6 0.0
BRG			i	PKPdf	07 12 50.6
BRG	comp=Z,62nm,1.4s		i	PKP	07 13 08.0 -1.4
BRG	Berggiesshubel	155.85 340	iPKP	PKPdf	07 14 09.5 +1.4
BRG	comp=Z,63nm,1.5s		i	PKPdf	07 14 17.0
BRG	comp=Z,110nm,1.5s		i	PKPdf	07 14 57.1
BRG	comp=Z,76nm,1.1s		i	PKPdf	07 15 22.3
BRG	comp=Z,70nm,1.3s		i	PKPdf	07 16 40.0 -7.6
BRG			PP	PKP	07 23 01.0
BRG			SS	SS	07 35 49.0 -1.6
BRG	Berggiesshubel	155.85 340	iPKIKP	PKPdf	07 12 40.6 0.0
BRG			i	PKPdf	07 12 50.6
BRG			i	PKPdf	07 13 08.0
BRG			i	PKPdf	07 14 09.5
BRG	comp=Z,86nm,1.5s		i	pmax	pmax
BRG	comp=Z,62nm,1.5s		i	pmax	pmax
PSZ	Piszkesteto	155.94 328	ePKPdf	PKPdf	07 12 40.6 -0.2
PSZ			ePKPAB	PKPab	07 13 10.7 +0.8
PSZ	Piszkesteto	155.94 328	ePKPdf	PKPdf	07 12 41.0 +0.2
PSZ	Panska Ves	155.96 339	ePKP2	PKPab	07 13 11.1 +1.3
PVCC	Panska Ves	155.96 339	ePKPAB	PKPab	07 13 11.1 +1.3
PVCC			ePKP	PKPbc	07 16 41.8 -6.4
PVCC			eSKKS	PKPbc	07 16 41.8 -6.4
VYHS	Vyhne	155.99 330	ePKIKP	PKPdf	07 12 41.5 +0.7
VYHS			ePKP	PKPdf	07 13 11.0
VYHS	Vyhne	155.99 330	ePKP	PKPdf	07 12 41.5 +0.7
VYHS			ePKP	PKPdf	07 13 11.0
CMON	Grota Negra	156.03 61	ePKP	PKPdf	07 12 41.1 -0.2
CMLA	Cha da Macela	156.04 61	ePKP	PKPdf	07 12 40.1 -1.1
PCALD	Caldes da R	156.06 61	ePKP	PKPdf	07 12 40.7 -0.6
GZR	Gura Zlata	156.12 320	l/P	PKPdf	07 12 41.0 -0.2
GZR	Gura Zlata	156.12 320	l/PKIKP	PKPdf	07 12 41.0 -0.2
JVAV	Velka Javorina	156.21 332	ePKP	PKPdf	07 12 42.0 +0.8
JVAV			ePKP	PKPdf	07 12 42.0 +0.8
VRAC	Vranov	156.28 334	ePKP	PKPdf	07 12 40.6 -0.8
VRAC			ePKP	PKPdf	07 13 12.2
ALN	Alexandroupoli	156.28 307	ePKPdf	PKPdf	07 12 40.6 -0.8
ALN			ePKPAB	PKPab	07 13 11.9 +0.3
ALN	Alexandroupoli	156.28 307	ePKPdf	PKPdf	07 12 39.6 -1.8
ALN	Alexandroupoli	156.28 307	ePKIKP	PKPdf	07 13 11.9
ALN			ePKP	PKPbc	07 13 11.9
WTSB	Winterswijk	156.40 351	ePKPdf	PKPab	07 12 40.4 -0.8
WTSB			ePKPbc	PKPab	07 13 11.6 0.0
KDZ	Kurdzhali	156.41 310	P	PKPdf	07 12 44.6 +3.0
GOPC	GO Pecny, Ondr	156.42 338	ePKIKP	PKPdf	07 12 42.1 +0.8
GOPC			ePKP	PKPbc	07 13 11.8
GOPC	GO Pecny, Ondr	156.42 338	ePKPDF	PKPdf	07 12 42.1 +0.8
GOPC			ePKP	PKPbc	07 12 54.3
GOPC			ePKPAB	PKPab	07 13 11.8 -0.1
GOPC			eSKKS	PKPbc	07 23 06.0
PRU	Pruhoniche	156.44 338	ePKIKP	PKPdf	07 12 41.3 0.0
PRU	Pruhoniche	156.44 338	ePKPDF	PKPdf	07 12 41.3 0.0
PRU			ePKP	PKPbc	07 12 51.8
PRU			ePKPAB	PKPab	07 13 12.4 +0.5
PRU			eSKKS	PKPbc	07 23 03.0
EZN	Ezine	156.48 305	P	PKPdf	07 12 40.3 -1.4
PSMA	Santa Maria	156.53 63	ePKP	PKPdf	07 12 42.6 +0.7
BODT	Bodrum	156.53 297	P	PKPdf	07 12 40.3 -1.6
RDO	Rodhopi	156.54 308	P	PKPdf	07 12 40.2 -1.5
KRUC	Moravsky	156.55 334	ePKP	PKPdf	07 12 41.1 -0.4
PSMN	Pico do Norte,	156.58 63	ePKP	PKPdf	07 12 41.2 -0.7
BUD	Budapest	156.66 328	ePKPdf	PKPdf	07 12 41.0 -0.6
MPEP	Malo Peshtene	156.69 315	P	PKPdf	07 12 41.7 -0.2
TREC	Trest	156.70 336	ePKIKP	PKPdf	07 12 42.6 +0.9
TREC	Trest	156.70 336	ePKPDF	PKPdf	07 12 42.6 +0.9
TREC			ePKPAB	PKPab	07 13 15.0 +1.9
MOX	Moxa	156.71 343	PKIKP	PKPdf	07 12 42.1 +0.4
PRK	Paraskevi	156.71 303	P	PKPdf	07 12 41.7 -0.3
SMG	Samos	156.74 299	P	PKPdf	07 12 40.9 -1.2
MODS	Modra-Piesok	156.75 332	ePKIKP	PKPdf	07 12 41.1 -0.7
MODS	Modra-Piesok	156.75 332	ePKP	PKPdf	07 13 13.5
SMTH	Samothraki Isl	156.81 307	P	PKPdf	07 12 40.0 -2.1
PGB	Panagyurishte	156.82 313	P	PKPdf	07 12 41.0 -1.2
NKC	Novy Kostel	156.86 341	ePKP2	PKPab	07 13 14.2 +0.4
NKC	Novy Kostel	156.86 341	ePKPAB	PKPab	07 13 14.2 +0.4
NKC			eSKKS	PKPbc	07 23 03.0
RZN	Rozto	156.86 310	P	PKPdf	07 12 41.0 -1.4
LIC	Latno	156.88 164	ePKIKP	PKPdf	07 12 43.6 +0.6

LIC	Latno	156.88 164	ePKP2	PKPab	07 13 15.7 +1.1
KARP	Karpathos	156.95 294	ePKPAB	PKPab	07 13 13.7 -1.1
KARP	Karpathos	156.95 294	ePKP	PKPdf	07 12 42.2 -0.3
KARP	Bratislava	156.96 332	ePKIKP	PKPdf	07 12 41.8 -0.2
KARP	Bratislava	156.96 332	ePKP	PKPdf	07 13 14.2
ZST			ePKP	PKPdf	07 12 40.9 -1.5
SIGR	SIGRI	157.03 304	P	PKPdf	07 12 43.9 +0.6
KIC	Kosan Boka	157.07 165	ePKIKP	PKPab	07 13 16.6 +1.1
KIC	Kosan Boka	157.07 165	ePKP2	PKPab	07 13 16.6 +1.1
CSKK	Cskako	157.10 329	ePKPdf	PKPdf	07 12 44.0 +1.8
CHOS	Chios Island	157.14 301	P	PKPdf	07 12 41.5 -1.2
LIA	Limnos Island	157.27 306	P	PKPdf	07 12 41.3 -1.4
TIC	Toumoudi	157.28 164	ePKIKP	PKPab	07 13 17.4 +1.0
TIC	Toumoudi	157.28 164	ePKP2	PKPab	07 13 17.4 +1.0
KAVA	Kavala	157.30 309	P	PKPdf	07 12 41.3 -1.4
THAS	Thassos island	157.32 308	P	PKPdf	07 12 41.1 -1.6
DBIC	Dimbokro	157.35 164	ePKP	PKPdf	07 12 44.4 +0.8
DBIC	comp=Z,17nm,0.7s,baz=160,slow=1.2		ePKP	PKPab	07 13 18.3 +1.6
DBIC	comp=Z,26nm,0.6s,baz=152,slow=4.7,SNR=13		ePKP	PKPab	07 12 43.1 -0.5
DBIC	Dimbokro	157.35 164	ePKPdf	PKPdf	07 12 43.1 -0.5
DBIC			ePKP	PKPbc	07 13 18.0 +1.3
VTS	Vitosha	157.39 314	ePKPAB	PKPab	07 12 53.5 -0.0
VTS	Vitosha	157.39 314	ePKPAB	PKPab	07 13 17.9 +1.3
VTS	Vitosha	157.39 314	l/P	PKPdf	07 12 41.8 -1.2
VTS	Vitosha	157.39 314	l/PK2	PKPab	07 13 17.4 +0.9
VTS	Vitosha	157.39 314	P	PKPdf	07 12 42.2 -0.8
VTS	Kasperske Hory	157.49 338	ePKPAB	PKPab	07 13 17.4 +0.9
KHC	Kasperske Hory	157.49 338	ePKIKP	PKPdf	07 12 42.3 -0.5
KHC			ePKP	PKPbc	07 14 43.5
KHC			ePKP	PKPbc	07 16 54.8 -1.9
KHC	Kasperske Hory	157.49 338	ePKPDF	PKPdf	07 12 42.3 -0.5
KHC			ePKP	PKPbc	07 12 53.5 -0.0
KHC			ePKPAB	PKPab	07 13 17.1 +0.5
KHC			ePKP	PKPbc	07 14 14.4 +4.0
KHC			ePKP	PKPbc	07 14 43.5
KHC			ePKP	PKPbc	07 16 54.8 -1.9
KHC			eSKKS	PKPbc	07 22 59.9
MMB	Musomiste	157.57 311	P	PKPdf	07 12 41.5 -1.6
NVR	Nevrokopi	157.59 310	P	PKPdf	07 12 41.4 -1.7
SOP	Sopron	157.59 332	ePKPdf	PKPdf	07 12 42.0 -0.8
TIH	Tihany	157.61 329	ePKPdf	PKPdf	07 12 41.1 -1.8
CONA	Conrad Observa	157.68 333	ePKP	PKPdf	07 12 42.4 -0.7
CONA	comp=Z,15nm,1.4s,SNR=7.5		ePKPAB	PKPab	07 13 19.5 +2.0
HGN	comp=Z,33nm,1.1s,SNR=9.0		ePKP	PKPab	07 12 42.4 -0.5
HGN	Heimansgroeve	157.69 352	ePKPdf	PKPdf	07 13 17.4 +0.1
HGN			ePKPAB	PKPab	07 13 17.4 +0.1
GECC	GERESS Array S	157.70 338	ePKPdf	PKPdf	07 12 42.0 -1.1
GECC			ePKPAB	PKPab	07 13 18.0 +0.5
GECC	GERESS Array S	157.70 338	ePKIKP	PKPdf	07 12 42.0 -1.1
GERES	GERESS Array S	157.70 338	ePKP	PKPdf	07 12 42.7 -0.4
GERES	comp=Z,4.7nm,1.0s,baz=340,slow=1.4,SNR=13		ePKPbc	PKPbc	07 12 55.8
GERES	comp=Z,2.8nm,0.9s,baz=40,slow=4.4,SNR=7.0		ePKP	PKPab	07 13 18.4 +0.9
GERES	comp=Z,24nm,0.9s,baz=40,slow=4.4,SNR=19		ePKPAB	PKPab	

26d 7h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMRV, PESTR, PNCL, PTEO, PBEJ, MORF, etc.

NNC 26 06:57:54.1±0.3, 42.76°N, 71.02°E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=3.5km s-min=1.3km az=22.0

SOME 26 06:57:54.2, 42.77°N, 71.05°E, h5km

KRNET 26 06:57:54.7, 42.72°N, 71.05°E, mb2.5

ISC 26 06:57:53.4, 1.3, 42.72°N, 0.0671, 0.07E, h2km±15km, n30, c1523/55, 24C-18D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KARATAY, ARK, MRKS, ARS, etc.

2013 APR

IDC 26 07:01:12.0±0.8, 15.75°S, 69.31°W, h250km, 5km, mb3.4/6, mb1.3/4.13, mb1mx3.3/5.1, mbmp4.1/1.3, Error ellipse: s-maj=18.5km s-min=14.6km az=59.0

ISC 26 07:01:11.7±0.6, 15.90°S, 0.0669, 46W, 0.07, h250km, n24, c1534/30, mb3.7/5, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LPAZ, MNUMC, PB11, etc.

NNC 26 07:24:39.9±0.2, 50.00°N, 78.71°E, h0km, mb3.5, mpv3.2, 19C-10D, Error ellipse: s-maj=3.4km s-min=1.1km

Kazakhstan suspected Mining explosion, Eastern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KUR07, KUR06, KUR14, etc.

IDC 26 07:29:52.3±0.2, 54.12°N, 87.24°E, h0km, mb1.2/9/2, mb1mx2.8/5/2, mbmp2.9/2, ML2.6/2, Error ellipse: s-maj=27.9km s-min=19.9km az=56.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, etc.

IDC 26 07:31:06.0±0.7, 30.26°N, 102.95°E, h0km, mb4.0/1/7, mb1.4/1/19, mb1mx3.9/48, mbmp3.9/19, ML3.3/1, Error ellipse: s-maj=22.8km s-min=15.3km az=59.0

NEIC 26 07:31:08.5±1.6, 30.29°N, 103.15°E, h10km±4km, mb4.0/10, Error ellipse: s-maj=14.0km s-min=14.9km az=211.1

BUI 26 07:31:10.5, 30.20°N, 103.00°E, h10km, ML3.9/16, Ms3.7/6, Ms7.3/6/5

ISC 26 07:31:08.1±0.4, 30.24°N, 104.00°E, 0.05, h10km, n50, c1515/57, mb3.9/26, 1D, Sichuan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CD2, CD2, CD2, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GYA, KMI, KMI, etc.

NET 26 07:32:22.0±0.0, 12.79°N, 88.47°W, h71km

UCR 26 07:32:22.5±1.7, 12.81°N, 88.43°W, h71km, 12km, MD4.0, ML3.9, mb3.9(NEIC)

IDC 26 07:32:22.7±1.4, 12.91°N, 88.32°W, h94km±17km, mb3.3/6, mb1.3/6/9, mb1mx3.4/33, mbmp3.7/9, MS3.7/1, Ms1.3/7/1, ms1mx3.0/25, Error ellipse: s-maj=47.0km s-min=11.6km az=39.0

NEIC 26 07:32:23.2±1.1, 12.79°N, 88.36°W, h88km±13km, mb3.9/38, MD4.0(SNET), Error ellipse: s-maj=17.2km s-min=4.5km az=8.0

NEIC Felt [I] at Uslutan. ISC 26 07:32:22.4±0.8, 12.84°N, 0.0668, 41W±0.03, h83km±6km, n90, c1543/115, mb4.0/30, 1D, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LCY, VSM, PACA, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SAN SALVADOR, BOQUERON, SAN CRISTOBAL, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZAAO, ZALV, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TLIG, MOIG, SRIG, etc.

ASRS 26 07:41:46.1, 53°81N-91°02E, M3.0, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)







26d 12h

1.4nm,0.2s UZB 1.9nm,0.2s Lg Lg 10 42 59.8

MEX 26 10:49:37.9:0.5,14:30N:91:29W,h49km,177km,MD3.9, Guatemala

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

ISK 26 10:56:10.8,40:42N:29:23E,h4km,ML1.4/5,Turkey

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

IDC 26 11:06:43.5:1.0,0:60N:25:99W,h0km,mb3.8/8,mb1 4.0/8,mb1mx3.7/49,mbtmp3.8/8,MS3.6/11,Ms1 3.6/11,ms1mx3.3/26,Error ellipse: s-maj=34.3km s-min=25.9km az=159.0

NEIC 26 11:06:45.1:1.5,0:67N:26:06W,h10km,mb4.5/6,Error ellipse: s-maj=28.4km s-min=15.3km az=175.0

ISC 26 11:06:45.9:0.8,0:70N:1:01:26:1W:0.1,h14km,n35,0:596/23,mb4.2/12,MS3.6/11,Central Mid-Atlantic Ridge

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

H10N3 ASCENSION HYDRI4.31 127 T T 11 24 53.9

H10N2 ASCENSION HYDRI4.31 127 T T 11 24 56.0

H10N1 ASCENSION HYDRI4.33 127 T T 11 24 49.9

SACV Santiago Islan 14.37 10 ePn Pn 11 10 07.6 -1.6

H10S3 ASCENSION HYDRI4.86 130 T T 11 25 36.2

H10S1 ASCENSION HYDRI4.86 130 T T 11 25 37.5

H10S2 ASCENSION HYDRI4.88 130 T T 11 25 37.7

DBIC comp=Z,154nm,21.6s,baz=214,slow=32 21.95 74 P P 11 11 39.1 -0.3

DBIC comp=Z,154nm,21.6s,baz=214,slow=32 21.95 74 eP P 11 11 40.6 +1.2

MDP Montagnes des 26.91 280 LR LR 11 22 08.4

BDFB Brasilia 27.11 232 LR LR 11 22 01.7

TOAO Torodi Ar. Sit 30.13 65 eP P 11 12 57.0 +1.3

TOA1 Torodi Ar. Sit 30.13 65 eP P 11 12 56.0 +0.4

TOA2 Torodi Ar. Bea 30.13 65 eP P 11 12 56.0 +0.4

TORD comp=Z,165nm,21.3s,baz=245,slow=33 21.95 74 LR LR 11 23 10.9

CPUP Villa Florida 40.41 226 LR LR 11 30 49.9

ESDC Sonseca Array 43.70 25 P P 11 14 51.8 +1.1

LPAZ La Paz 44.83 246 LR LR 11 33 12.6

ROSC El Rosal 48.38 276 LR LR 11 34 52.9

GO04 Tololo Observa 52.50 230 eP P 11 15 59.0 -0.1

PERA Paso Flores 57.73 219 LR LR 11 39 13.8

GLGES GERESS Array B 58.86 30 P P 11 16 43.0 -1.3

GERES comp=Z,35nm,21.4s,baz=264,slow=34 58.86 30 LR LR 11 39 40.5

NOA NORARS Array B 66.54 19 LR LR 11 44 44.5

BRTR Keskin Array B 66.60 47 eP P 11 17 36.3 +0.1

BR101 Keskin Array S 66.61 47 eP P 11 17 36.3 +0.1

BR131 Keskin Array S 66.61 47 eP P 11 17 37.0 +0.7

KIEV Kiev 68.16 34 eP P 11 17 46.3 +0.7

AKASG Malin Array Be 68.18 34 P P 11 17 45.9 +0.2

AKBB Malin Array Si 68.18 34 P P 11 17 46.2 +0.4

LTX Lajitas 78.86 300 eP P 11 18 49.8 +0.5

TXAR Lajitas Array 78.86 300 eP P 11 18 49.8 +0.5

PDAR Pinedale Array 84.75 313 P P 11 19 21.3 +1.1

GEYT Alibeck 84.95 52 LR LR 11 59 49.9

ASAR Alice Springs 150.02 141 PKPbc PKPbc 11 26 36.8 -0.3

WRA Warramunga Arr 152.91 136 PKPbc PKPbc 11 26 43.0 -0.8

WRA comp=Z,154nm,21.6s,baz=214,slow=32 152.91 136 PKPab PKPab 11 26 53.2 -1.6

WR1 Warramunga Arr 152.91 136 ePKPbc ePKPbc 11 26 43.0 -0.8

WR1 comp=Z,154nm,21.6s,baz=214,slow=32 152.91 136 ePKPbc ePKPbc 11 26 53.2 -1.6

IDC 26 11:07:00.8:2.8,54:26N:86:74E,h0km,mb1 3.1/2,mb1mx2.9/54,mbtmp3.1/2,ML2.5/2,Error ellipse: s-maj=22.2km s-min=14.6km az=56.0,Southwestern Siberia

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

H46RU ZALESOVO INFRA 1.18 255 i Op Pn 11 15 35.3

ZALV Zalesovo Beam 1.18 255 Pg Pn 11 07 22.3 -1.0

ZALV 2.4nm,0.3s,baz=72,slow=17,SNR=28 1.18 255 Lg Lg 11 07 38.9

KURBB Kurchatov Arra 6.20 237 Pn Pn 11 08 34.3 +0.8

KURBB 0.1nm,0.3s,baz=61,slow=33,SNR=3 6.20 237 Lg Lg 11 09 45.3 +0.2

KURBB 0.0nm,0.3s,baz=47,slow=18,SNR=2.5 6.20 237 Lg Lg 11 10 18.1

KURBB 0.0nm,0.3s,baz=48,slow=32,SNR=4.2 6.20 237 Lg Lg 11 08 59.3 +1.1

MKAR MKanchi Array 7.79 211 Pn Pn 11 10 28.6 -0.7

MKAR 0.1nm,0.3s,baz=31,slow=25,SNR=3.7 7.79 211 Sn Sn 11 11 14.9

MKAR 0.1nm,0.3s,baz=19,slow=32,SNR=2.7 7.79 211 Lg Lg 11 11 14.9

NNC 26 11:11:28.0:2.7,53:66N:88:34E,h0km,mb3.7,mpv3.3,Error ellipse: s-maj=22.1km s-min=14.8km az=44.0,Suspected Mining explosion.

IDC 26 11:11:29.2:2.6,53:60N:88:17E,h0km,mb1 3.4/4,mb1mx3.1/54,mbtmp3.4/4,ML3.0/4,2C-3D,Error ellipse: s-maj=22.3km s-min=14.5km az=60.0,Southwestern Siberia

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

H46RU ZALESOVO INFRA 2.02 281 i Op Pn 11 24 30.0

ZAAO Zalesovo Array 2.02 281 P Pn 11 12 06.3 +1.0

ZAAO 2.8nm,0.7s 2.02 281 Lg Lg 11 12 35.3

ZALV Zalesovo Beam 2.02 281 Pn Pn 11 12 03.7 -1.6

2013 APR

4.4nm,0.3s,baz=96,slow=14,SNR=40 Lg Lg 11 12 33.8

KURBB Kurchatov Arra 6.65 247 Pn Pn 11 13 08.4 -0.3

KURBB 0.1nm,0.3s,baz=62,slow=14,SNR=17 6.65 247 Sn Sn 11 14 24.4 -0.7

KURBB 0.1nm,0.3s,baz=55,slow=22,SNR=2.9 6.65 247 Lg Lg 11 14 58.5

KURBB Kurchatov Arra 6.65 247 Pn Pn 11 13 08.3 -0.4

KURBB 4.0nm,0.3s 6.65 247 Lg Lg 11 14 26.4 +1.3

KURBB 5.3nm,0.5s 6.65 247 Lg Lg 11 15 03.1

MK31 Makanchi Array 7.79 211 Pn Pn 11 13 25.0 +0.6

MK31 0.7nm,0.4s,baz=32,slow=13,SNR=7.6 7.79 211 Lg Lg 11 15 39.7

MKAR Makanchi Array 7.79 211 Pn Pn 11 13 25.6 +1.1

MKAR 0.4nm,0.3s,baz=30,slow=14,SNR=7.0 7.79 211 Sn Sn 11 14 53.6 +0.3

MKAR 0.1nm,0.3s,baz=32,slow=26,SNR=3.3 7.79 211 Lg Lg 11 15 36.6

BVAR Borovoye Array 10.66 274 Pn Pn 11 14 04.4 +0.7

BVAR 0.2nm,0.3s,baz=83,slow=12,SNR=4.1 10.66 274 Sn Sn 11 15 59.0 -4.7

HLW 26 11:22:38.5,30:00N:36:63E,h10km,11km,M13.8 JSO 26 11:22:45.1:1.0,30:17N:3:6E,h10km,M3.0/9,M13.8/9,ML2.7/6,ML3.2/9

ISC 26 11:22:43.8:1.4,30:06N:0:06:35.93E:0:10,h3km,n13,1:85/14,Dead Sea region

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

HHSJ Maan 0.29 312 P Pn 11 22 53.5 -1.5

JDRJ Daraweish 0.70 341 P Pn 11 23 07.1 -0.7

AQBJ Agaba 0.84 247 P Pn 11 23 02.0 -0.4

EIL Elat 0.94 246 P Pn 11 23 05.1 -0.7

SWQJ Swaqa 1.18 5 P Pn 11 23 09.1 +1.8

GHAJ Ghor Haditha 1.28 346 P Pn 11 23 09.4 +1.1

HBST Basata 1.34 231 P Pg 11 23 09.5 -0.1

HBST baz=246 AMP Pn 11 23 00.0

HBST baz=246 S Sn 11 23 31.8 +4.1

WALJ Wala 1.50 356 P Pg 11 23 12.6 +0.1

HDBH Dhabab 1.76 221 P Pn 11 23 14.0 -2.6

RSH baz=292 2.11 296 P Pn 11 23 21.3 -1.4

ASF Jabal Asfar 2.26 21 P Pn 11 23 23.3 -2.0

HKAT Jabal Katrina 2.29 228 P Pn 11 23 22.1 -0.5

TR2 Tor 2 2.55 230 P Pn 11 23 25.6 -0.5

SJA 26 11:31:07.2:0.7,23:09S:70:10W,h16km,8km,ML1.4, MW3.7,Near coast of northern Chile

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

PB05 IPOC Station P 0.26 339 i Op Pn 11 31 13.3 -0.2

PB15 IPOC Station P 0.59 101 i P Pn 11 31 19.4 +0.1

PB06 IPOC Station P 0.62 52 i P Pn 11 31 19.1 -0.4

PB06 IPOC Station P 0.62 52 i S Pn 11 31 29.2 +0.9

YJYA Yavi 4.33 79 i P Pn 11 32 17.1 +4.2

YJYA comp=Z,0.4nm,0.5s IAML Pn 11 32 23.0

MEX 26 11:52:54.6:0.4,14:46N:91:37W,h82km,7km,MD3.7, Guatemala

IDC 26 11:58:41.2:0.9,19:80S:33:70E,h0km,mb3.9/8,mb1 4.2/14,mb1mx0.044,mbtmp4.1/14,ML1.8/1,MS3.4/4,Ms1 3.4/4,ms1mx3.0/21,Error ellipse: s-maj=26.0km s-min=19.3km az=173.0

NEIC 26 11:58:42.8:1.8,19:80S:33:70E,h10km,1km,mb4.3/6,Error ellipse: s-maj=25.1km s-min=8.0km az=189.0

NEIC Felt at Beira and Chimoio.

EUF 26 11:58:48.6:0.3,19:66S:33:37E,h10km,MD4.1

BAL 26 11:58:50.8:0.4,19:62S:33:34E,h10km,MD4.6

ISC 26 11:58:42.6:0.5,19:93S:0:07:33.50E:0:06,h10km,n43,0:271/47,mb4.2/14,1C,Mozambique

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

MATP Matopo 4.72 263 i P Pn 11 59 58.6 +4.6

MATP 2.6nm,0.3s,baz=78,slow=14,SNR=46 4.72 263 i S Pn 12 00 49.3 +0.4

MATP Matopo 4.72 263 Pn Pn 11 59 57.7 +3.7

MATP 8.4nm,0.3s,baz=12,slow=18,SNR=6 4.72 263 Lg Lg 12 00 48.7 -0.2

MATP 34nm,0.3s,baz=168,slow=21,SNR=5.3 4.72 263 Lg Lg 12 01 12.7

MATP comp=Z,312nm,18.6s,baz=129,slow=41 4.72 263 LR LR 12 02 04.5

MATP Matopo 4.72 263 i P Pn 11 59 58.6 +4.6

MATP 2.6nm,0.3s,baz=78,slow=14,SNR=46 4.72 263 i S Pn 12 00 49.3 +0.4

LSZ Lusaka 6.86 312 i P Pn 12 00 24.8 +1.4

LSZ Lusaka 6.86 312 Pn Pn 12 00 24.1 +0.8

LSZ 1.8nm,0.3s,baz=132,slow=10,SNR=63 6.86 312 Sn Sn 12 01 35.4 -6.2

LSZ 1.8nm,0.3s,baz=90,slow=11,SNR=8.2 6.86 312 Lg Lg 12 02 13.9

LSZ 100nm,0.3s,baz=42,slow=14,SNR=15 6.86 312 Lg Lg 12 00 25.9 +2.5

LSZ Lusaka 6.86 312 eP Pn 12 00 24.8 +1.4

ITZ Itzhi-Tezhi 8.25 299 i P Pn 12 01 36.1 +1.6

ITZ 0.8nm,0.3s,baz=157,slow=13,SNR=3.2 8.25 299 i S Pn 12 02 38.5 -5.5

BOSA Boshof 11.45 219 i P Pn 12 02 38.5 -5.5

BOSA 3.2nm,0.3s,baz=40,slow=13,SNR=39 11.45 219 i P Pn 12 01 30.8 +4.4

BOSA 2.3nm,0.3s,baz=312,slow=14,SNR=6.4 11.45 219 Sn Sn 12 03 29.7 -4.8

BOSA 2.3nm,0.3s,baz=312,slow=14,SNR=6.4 11.45 219 Sn Sn 12 01 30.0 +3.7

BOSA 2.3nm,0.3s,baz=312,slow=14,SNR=6.4 11.45 219 Sn Sn 12 03 32.5 -2.0

BOSA 1.6nm,0.3s,baz=313,slow=12,SNR=3.5 11.45 219 Lg Lg 12 04 39.2

BOSA Boshof 11.45 219 i P Pn 12 01 30.8 +4.4

BOA Ambohiantom 12.98 88 ePn Pn 12 03 29.2 -4.8

OPO Ambohiantom 13.00 86 Pn Pn 12 01 45.6 -1.8

OPO Ambohiantom 13.00 86 Pn Pn 12 01 45.6 -1.8

OPO 1.9nm,0.3s,baz=260,slow=16,SNR=3.4 13.00 86 Sn Sn 12 03 58.4 -1.4

OPO 3.4nm,0.3s,baz=337,slow=6.4,SNR=0.0 13.00 86 Sn Sn 12 03 58.4 -1.4

TSUM Tsumeb 15.02 270 Pn Pn 12 02 15.6 +0.5

TSUM 0.2nm,0.3s,baz=84,slow=11,SNR=5.0 15.02 270 Sn Sn 12 04 55.1 -6.6

TSUM 0.4nm,0.3s,baz=97,slow=16,SNR=2.8 15.02 270 Sn Sn 12 04 55.1 -6.6

TSUM 0.8nm,0.3s,baz=157,slow=13,SNR=3.2 15.02 270 Lg Lg 12 06 35.0

TSUM Tsumeb 15.02 270 ePn Pn 12 02 17.2 +2.0

SUR Sutherland 16.82 220 P Pn 12 02 40.0 -0.5

SUR 1.3nm,0.3s,baz=42,slow=16,SNR=18 16.82 220 P Pn 12 05 40.6 -4.8

SUR 0.9nm,0.3s,baz=88,slow=16,SNR=2.7 16.82 220 Lg Lg 12 07 25.5

SUR 0.9nm,0.3s,baz=136,slow=23,SNR=4.8 16.82 220 LR LR 12 09 27.7

SUR comp=Z,142nm,18.5s,baz=124,slow=38 16.82 220 P Pn 12 02 40.5 -0.1

SUR Sutherland 16.82 220 ePn Pn 12 02 40.5 -0.1

KMBO Kilima Mbogo 19.05 12 Lg Lg 12 08 31.5

MBAR Mbarara 19.40 352 Lg Lg 12 08 36.7

MBAR 0.6nm,0.3s,baz=161,slow=15,SNR=3.8 19.40 352 P Pn 12 07 01.9 +0.3

TORD Torodi Ar. Bea 45.39 314 P Pn 12 07 01.9 +0.3

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2.0nm,0.6s,baz=128,slow=7.6,SNR=10 Lg Lg 12 07 01.9 +0.2

TOA1 Torodi Ar. Sit 45.39 314 eP P 12 07 08.6 +1.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include SIRI, MGR, MTSN, etc.

NEIC 26 12:14:09.0-0.0, 20.070S:69.09W, h101km, mb4.5/49, ML4.5(GUC), After GUC.

NEIC Felt (I) at Pica, Pisagua and Pozo Almonte. IDC 26 12:14:09.9-0.5, 20.045S:68.81W, h133km, mb4.2/12, mb1.4, 3/17, mb1mx4.1/28, mbtmp4.6/17, MS3.3/1, Ms1.3, 3/1, ms1mx2.6/19, Error ellipse: s-maj=14.8km s-min=7.4km az=92.0

VAO 26 12:14:10.9-0.5, 20.035S:68.93W, h126km, mb4.6 GUC 26 12:14:10.2-0.6, 20.063S:69.06W, h105km, mb4.6, ISC 26 12:14:09.1-0.4, 20.045S:69.01W, 0.05, h108km, 3km, h108km:pp-P, n152, e193/177, mb4.5/49, 7C-3D, Northern Chile

Main table for NEIC stations in Chile, listing station names, coordinates, and seismic data.

Main table for NEIC stations in Patos De Minas, listing station names, coordinates, and seismic data.

Main table for NEIC stations in the South of Northern Chile, listing station names, coordinates, and seismic data.

26d 14h

Table with 4 columns: Station Name, Frequency, Power, and SNR. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, and FINES FINESS Array B.

PGC 26 13:54:14.4, 65:02N:138:67W, h1km, ML3.4/11, 112km northeast of Dawson, Y Northern Yukon Territory, Canada, Dawson Yukon Territory

Main table for PGC 26 stations, listing Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like DAWY Dawson, BVCY Beaver Creek, PAX Paxson, and HAARP HAARP.

KRSC 26 14:13:04.6:10.0, 50:41N:157:32E, h90km, 10km, ML4.1, Kuril Islands

Main table for KRSC 26 stations, listing Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, ALID Alaid, and UGLR Uglovaya.

KRNET 26 14:29:59.0:0.1, 39:37N:74:83E, mb3.2, NNC 26 14:30:01.6:3.2, 39:44N:74:76E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=10.9km s-min=6.4km az=163.0

ISC 26 14:30:01.6:3.2, 39:44N:74:80E:0.04, h3km, 25km, n34, +087/49, 26C-7D, Southern Xinjiang

Main table for KRNET 26 and ISC 26 stations, listing Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like ARSB Arslanbob, ARLS Aral, KZA Kyzart, and AML Almayashu.

2013 APR

Main table for 2013 APR stations, listing Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like AAK Ala-Archa, KBK Karagaybulak, TARG Taragay, and KDJ Kajisay.

MAN 26 14:30:24.2, 8:40N:127:01E, h1km, mb5.4, ML4.3, MS4.5 MAN INTENSITY II - BISLIG SURIGAO DEL SUR

NEIC 26 14:30:31.6:1.1, 8:51N:126:70E, h56km, 11km, mb4.3/19, Error ellipse: s-maj=15.8km s-min=5.6km az=75.0

NEIC Felt [II PWS] at Bislig, IDC 26 14:30:33.8:2.6, 8:44N:126:60E, h78km, 25km, mb3.8/15, mbl 3.9/16, mblmx3.8/37, mbtmp4.2/16, MS3.0/5, Msl 3.1/5, msl1mx2.8/34, Error ellipse: s-maj=26.8km s-min=11.0km az=80.0

ISC 26 14:30:25.5:1.7, 8:42N:126:92E:0.06, h8km, 10km, n78, +161/82, mb4.3/29, 3C-2D, Mindanao

Main table for MAN, NEIC, and ISC 26 stations, listing Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like BIPH Bislig, BUTP Butuan, MATI Mati, and DAV Davao City.

1672

Main table for 1672 stations, listing Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like CMAR comp=Z,27nm,18.2s, WRAB Tennant Creek, and WRA Warramunga Arr.

DDA 26 14:42:37.4, 38:74N:26:41E, h7km, 6km, ML2.8, ISK 26 14:42:37.6, 38:73N:26:46E, h4km, ML2.3/13

ATH 26 14:42:38.9, 38:74N:26:46E, h17km, 4km, ML2.2/5, Error ellipse: s-maj=4.2km s-min=1.2km az=252.0

THE 26 14:42:39.2, 38:73N:26:29E, h18km, 1km, ML2.1/5, Error ellipse: s-maj=2.1km s-min=0.4km az=256.0

ISC 26 14:42:37.9:0.9, 38:74N:26:44E:0.03, h12km, 7km, n36, +065/55, Aegean Sea

Main table for DDA, ISK, ATH, THE, and ISC 26 stations, listing Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like KRBN Karaburun, FOCM Foa, URLA Izmir, and CHOS Chios Island.



26d 16h

Table with columns: RES, Station Name, Time, Res, ISC. Includes stations like Resolute Bay, Yellowknife Ar, YKA, etc.

DJA 26 15:58:31.2, 1.2, 2, N:12.1, 2, E:109.7, 1.1, h22km, 15km, M3.5/7, ML3.5/7, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like GSI, SNI, TPTI, etc.

IDC 26 15:59:47.6, 5.4, 9.82S, 159.90E, h19km, 31km, mb3.5/3, mb1 3.8/3, mb1mx3.4/24, mbtmp3.6/3, Error ellipse: s-maj=76.0km s-min=29.3km az=137.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like HNR, WRA, ASAR, etc.

SJA 26 16:02:36.7, 0.5, 17.49S, 69.93W, h170km, 2km, ML3.2, MW3.2

GUC 26 16:02:40.1, 0.6, 17.62S, 69.79W, h156km, 3km, ML3.6, ISC 26 16:02:47.4, 2.5, 17.54S, 69.90W, 0.1, h168km, 13km, n22, c102/33, 6C-3D, Peru-Bolivia border region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PB16, NMCM, PSGC, etc.

JMA 26 16:03:18.4, 0.1, 24.86N, 122.44E, h0km, M2.5, TAP 26 16:03:19.2, 24.89N, 122.44E, h11km, 1km, ML2.3, C, ISC 26 16:03:18.9, 1.3, 24.89N, 0.05, 122.45E, 0.03, h9km, 11km, n25, c08/7/40, Taiwan region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TWB1, EOS1, TIPB, etc.

2013 APR

Table with columns: ENA, YM07, ENTT, ENTT, YM11, NWLT, NWLT, NDT, NDT, YHNB, YHNB, NSK, NACB, ETLL, ETLL, IRIF, HATJ, JKRS, JLU, etc.

IDC 26 16:16:53.4, 5.2, 52.28N, 172.49W, h0km, mb3.7/7, mb1 4.0/9, mb1mx3.6/58, mbtmp3.7/9, ML3.6/2, MS3.8/2, Ms1 3.8/2, ms1mx2.6/45, Error ellipse: s-maj=94.3km s-min=43.6km az=84.0, NEIC 26 16:17:02.5, 0.0, 52.13N, 172.26W, h58km, mb3.8/20, ML3.7(AEIC), After AEIC, ISC 26 16:17:03.1, 1.0, 52.33N, 172.33W, 0.05, h78km, 11km, n61, c11/25/59, mb3.9/16, 1, Xandoro Islands

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like KOPF, ATKA, KOKL, KOWE, NIKH, GSTR, GSTR, ADK, ADK, OKAK, OKTU, TAFP, MSW, UNV, AKRB, SHAI, OPIA, KDAD, KDAD, BPAW, HDA, ILAR, ILB, TGL, DOT, SCRK, EGAK, SIT, INK, DLBC, DLBC, YKA, YKBS, H04A, I07A, H11N2, H11N3, H11N1, WVOR, H11S1, H11S2, H11S3, MCMT, NV01, NVAR, DUG, PD31, PDAR, O20A, PV09, PV17, PV11, PV13, ULM, ULM, LTX, TXAR, LEM, etc.

DJA 26 16:18:02.3, 0.3, 1.1, N:5.5, 1.2, E:106.1, h10km, M4.2/6, mb4.5/2, mb4.5/1, MLV4.0/6, Mw(mb)3.7/7, IDC 26 16:18:03.4, 6.2, 0.83N, 126.36E, h50km, 57km, mb3.7/7, mb1 3.9/8, mb1mx3.5/40, mbtmp4.0/8, ML3.6/1, Error ellipse: s-maj=57.0km s-min=17.2km az=74.0, ISC 26 16:18:02.9, 0.7, 0.87N, 126.57E, 0.06, h39km, n16, c179/20, mb4.1/7, Northern Molucca Sea

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PD31, PDAR, O20A, etc.

1674

Table with columns: TNTI, KMSI, SAGI, SAGI, SAGI, SAGI, MRSI, APST, BNSI, FITZ, WRA, ASAR, ASAR, STKA, STKA, STKA, SONM, PETK, MKAR, MKAR, VNSA, etc.

IDC 26 16:24:54.2, 4.2, 6.57S, 128.50E, h295km, 43km, mb3.3/1, mb1 3.3/5, mb1mx3.0/30, mbtmp4.0/5, Error ellipse: s-maj=51.2km s-min=15.9km az=63.0, Banda Sea

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like BATI, BATI, FITZ, WRA, WRA, ASAR, ASAR, MKAR, etc.

IDC 26 16:25:16.4, 5.2, 25.57N, 140.49E, h158km, 57km, mb3.5/2, mb1 3.5/3, mb1mx2.9/38, mbtmp3.8/3, Error ellipse: s-maj=302.1km s-min=24.9km az=85.0, JMA 26 16:25:17.0, 0.1, 25.67N, 141.08E, h121km, M3.9, ISC 26 16:25:14.5, 1.3, 25.65N, 141.08E, 0.1, h150km, n9, c192/10, mb3.4/3, Volcano Islands region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like JHH2, JHH2, CBIJ, CBIJ, BSO4, JAG, JHO, WRA, YKA, FINES, etc.

MAN 26 16:39:08.5, 9.59N, 127.14E, h34km, mb4.4, ML3.3, MS3.0, 1C, Philippine Islands region

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MATI, DDMF, DDMF, DMPH, DMPH, SKMP, BUKP, etc.

TAP 26 16:48:40.0, 24.64N, 121.93E, h11km, ML3.0, B, JMA 26 16:48:40.0, 0.1, 24.41N, 121.97E, h19km, M2.3, ISC 26 16:48:39.8, 0.8, 24.44N, 0.02, 121.98E, 0.02, h15km, 6km, n65, c059/114, Taiwan

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like EOS1, ENA, ENA, TWE, TWE, EGS, EGS, ENT, ENT, NNT, NNT, NNS, NNS, NWLT, NWLT, LEM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ENLB Shoufeng, TWA Mucha, NWF Wu-fen Shan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OCLP Ormoc, PVPV Virac, MSLP Maasin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CAIG El Cayaco, CAIG EI Cayaco, TLIG Tlapa, etc.

MAN 26 16:49:11.8, 12:38N:125:43E, h1km, mb4.4, ML3.2, MS3.0, 1C-1D, Samar

NEIC 26 17:07:59.0:0.0, 16:66N:99:34W, h16km, MD4.0(MEX), After MEX. MEX 26 17:07:59.9:1.0, 16:66N:99:34W, h16km, MD4.0, Near coast of Guerrero

NNC 26 17:34:15.3:0.5, 43:01N:78:22E, h3km, mb3.0, mpv2.9, Error ellipse: s-maj=5.4km s-min=1.9km az=175.0. KRNET 26 17:34:16.3:0.1, 43:06N:78:22E, h24km, mb2.6. SOME 26 17:34:17.0, 43:07N:78:22E, h15km. ISC 26 17:34:16.7:0.8, 43:07N:78:22E, h15km. N52, r1842/101, 11C-7ZL, Lake Issyk-Kul region





1677

Table with columns: NOA, NORSAR Array B, 76.16 334 P, 19 17 20.8 -1.5, etc.

IDC 26 19:09:15.9,4,3,8:16S:120.05E,h167km,42km,mb3.1/3, mb1 3.1/6,mb1mx2.9/40,mbtmp3.6/6,Error ellipse: s-maj=76.9km s-min=23.6km az=61.0

ISC 26 19:09:16.4,1.5,8.35,0.2:19.8E:0.2,h200km,n6, r157/7,Flores region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

IDC 26 19:23:08.7,2.6,5:66S:149.42E,h144km,23km,mb3.7/11, mb1 3.9/12,mb1mx3.6/37,mbtmp4.2/12,Error ellipse: s-maj=31.0km s-min=15.9km az=106.0

ISC 26 19:23:09.2,0.9,5.65,0.1:1.49,4E:0.2,h147km,n14, r058/15,mb3.8/10,New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

IDC 26 19:27:46.9,2.3,5:89S:145.70E,h107km,21km,mb4.0/14, mb1 4.1/17,mb1mx4.0/31,mbtmp4.1/17,MSJ2/2, Ms1 3.2/2,ms1mx2.7/21,Error ellipse: s-maj=21.3km s-min=12.6km az=86.0

BUI 26 19:27:47.4,0.6,0:00S:145.40E,h106km,mb4.6/30,mb4.9/18 NEIC 26 19:27:48.6,2.3,5:97S:145.51E,h117km,7km,mb4.7/41, Error ellipse: s-maj=17.3km s-min=10.3km az=72.0

ISC 26 19:27:47.8,0.4,5.95S:0.05:145.56E:0.07,h109km,n89, r150/91,mb4.6/52,1,CEastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

2013 APR

Table with columns: NJ2 Nanjing, 45.56 328 eP, 19 35 57.0 +0.2, etc.

IDC 26 19:43:17.0,1.7,1:86N:89.68E,h0km,mb3.4/4,mb1 3.6/6, mb1mx3.4/36,mbtmp3.4/6,ML3.5/2,MS3.0/1,Ms1 3.2/1, ms1mx2.5/23,Error ellipse: s-maj=51.1km s-min=23.7km az=55.0

ISC 26 19:43:17.9,1.4,1.9N:0.2:89.6E:0.2,h10km,n10,r151/7, mb3.4/4,New Indian Ocean

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

IDC 26 19:48:51.1,1.9,16:63S:177.17W,h0km,mb4.0/5, mb1 4.3/5,mb1mx3.9/24,mbtmp4.0/5,MS3.4/6,Ms1 3.4/6, mb1mx3.1/30,Error ellipse: s-maj=117.6km s-min=2.8km az=151.0

NEIC 26 19:48:55.6,0.6,0:16S:177.07W,h33km,7km,mb4.7/9, Error ellipse: s-maj=45.3km s-min=23.8km az=144.0

ISC 26 19:48:55.8,0.7,17:05:0.1:177.0E:0.2,h35km,n33, r0575/24,mb4.5/13,MS3.4/6,Phi Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

IDC 26 19:42:38.7,2.5,20:57S:178.84W,h638km,29km, mb3.1/12,mb1 3.3/13,mb1mx3.2/33,mbtmp4.1/13,Error ellipse: s-maj=35.7km s-min=11.7km az=153.0

ISC 26 19:42:39.1,1.2,20:65:0.3:178.8W:0.2,h645km,n32, r139/33,mb3.5/12,70-Fd,Phi Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

26d 20h

Table with columns: MKAR Makanchi Array, 110.72 313 PKPKP, 19 59 59.5 -0.8, etc.

IDC 26 19:43:17.0,1.7,1:86N:89.68E,h0km,mb3.4/4,mb1 3.6/6, mb1mx3.4/36,mbtmp3.4/6,ML3.5/2,MS3.0/1,Ms1 3.2/1, ms1mx2.5/23,Error ellipse: s-maj=51.1km s-min=23.7km az=55.0

ISC 26 19:43:17.9,1.4,1.9N:0.2:89.6E:0.2,h10km,n10,r151/7, mb3.4/4,New Indian Ocean

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

IDC 26 19:48:51.1,1.9,16:63S:177.17W,h0km,mb4.0/5, mb1 4.3/5,mb1mx3.9/24,mbtmp4.0/5,MS3.4/6,Ms1 3.4/6, mb1mx3.1/30,Error ellipse: s-maj=117.6km s-min=2.8km az=151.0

NEIC 26 19:48:55.6,0.6,0:16S:177.07W,h33km,7km,mb4.7/9, Error ellipse: s-maj=45.3km s-min=23.8km az=144.0

ISC 26 19:48:55.8,0.7,17:05:0.1:177.0E:0.2,h35km,n33, r0575/24,mb4.5/13,MS3.4/6,Phi Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

IDC 26 19:42:38.7,2.5,20:57S:178.84W,h638km,29km, mb3.1/12,mb1 3.3/13,mb1mx3.2/33,mbtmp4.1/13,Error ellipse: s-maj=35.7km s-min=11.7km az=153.0

ISC 26 19:42:39.1,1.2,20:65:0.3:178.8W:0.2,h645km,n32, r139/33,mb3.5/12,70-Fd,Phi Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

ATH 26 20:02:11.5,4:00:4N:25:83E,h30km,1km,ML1.3/7,Error ellipse: s-maj=1.8km s-min=0.9km az=196.0

ISK 26 20:02:11.4,4:00:2N:25:93E,h7km,ML1.7/11 DDA 26 20:02:13.2,4:00:0N:26:11E,h7km,ML2.5

ISC 26 20:02:16.0,0.9,40:0N:0.02:25.91E:0.03,h12km,8km, r22:05/37,Reegan Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like HDA, PV01, TX31, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like OJC, ILGA, BUR08, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H, m, s, ISC. Includes stations like BNI, Bardonecchia, MAN 26, etc.

26d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, SBUM Sibou, ENH Enshi, MK32 Makanchi Array, etc.

IDC 26:20:51:43.5,3.25:27Sx179.81E, h500km, mb3.5/9, mb1 3.7/1.1, mb1mx3.4/3.7, mbtmp3.4/1.1, Error ellipse: s-maj=19.1km az=50.0

ISC 26:20:51:42.8,0.7,25:3S,0.1:179.8E,0.1:h493km,n17,c=129/17,mb3.9/9, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, STKA Stephen Creek, ASAR Alice Springs, etc.

MEX 26:21:07:46.0,0.5,16:25N:98.01W, h2km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, TLIG Tiapa, EI Cayaco, YAIG Yautepac.

IDC 26:21:16:08.0,1.8,15:22S:67.13E, h0km, mb3.6/7, mb1 3.7/7, mb1mx3.5/2.8, mbtmp3.6/7, MS3.6/3, Ms1 3.6/8, ms1mx3.3/2.9, Error ellipse: s-maj=63.3km s-min=25.7km az=45.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

IDC 26:22:18:16.4,0.6,58:66S:25.00W, h0km, mb4.2/9, mb1 4.3/10, mb1mx4.1/2.3, mbtmp4.2/10, ML4.4/1, MS3.7/9, Ms1 3.7/9, ms1mx3.5/2.3, Error ellipse: s-maj=20.8km s-min=19.1km az=40.0

ISC 26:22:18:20.4,0.6,58:7S:0.1:25.0W,0.1:h28km,n35,c=82/24,mb4.2/9,MS3.7/7, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, SNA3 Sanae, etc.

2013 APR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PLCA Paso Flores, PLCA Paso Flores, MAW Mawson, etc.

IDC 26:22:19:36.4,2.8,15:59S:66.87E, h0km, mb3.5/7, mb1 3.6/7, mb1mx3.4/4.4, mbtmp3.5/7, MS3.6/3, Ms1 3.7/3, ms1mx3.7/3.2, Error ellipse: s-maj=96.7km s-min=26.6km az=57.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

IDC 26:22:28:59.1:13.0,2:97N:125.51E, h230km,131km, mb3.3/7, mb1 3.4/7, mb1mx3.0/4.0, mbtmp3.9/7, Error ellipse: s-maj=120.6km s-min=20.8km az=58.0, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warrungarra Arr, ASAR Alice Springs, etc.

IDC 26:22:53:33.8,9.1,3:45S:137.93E, h0km, mb3.2/2, mb1 3.5/3, mb1mx3.3/2.9, mbtmp3.7/3, ML3.4/1, MS3.4/1, Ms1 3.4/1, ms1mx2.6/1.8, Error ellipse: s-maj=399.1km s-min=30.9km az=84.0, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, WRA Warrungarra Arr, ASAR Alice Springs, etc.

1680

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMJK Miki, JMJK Kasai, JWK Kouya, etc.

MAN 26:23:14:13.3,8:36N:126.47E, h148km, mb3.8, ML2.0, MS2.5,1C, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BUTP Butuan, BUTP Mati, BUKP Musuan, etc.

IDC 26:23:26:08.0,0.8,15:20N:144.59E, h0km, mb3.9/15, mb1 4.1/15, mb1mx3.9/4.7, mbtmp3.9/15, MS3.9/33, Ms1 3.9/33, ms1mx3.9/36, Error ellipse: s-maj=27.1km s-min=18.0km az=92.0

GCMT 26:23:26:14.0,0.2,15:46N:102.144:51E,0.1:h12km, MW4.9/10.1, Moment Tensor Solution, s28,c32,s101,c152, Duration: 0 Moment tensor: Scalar 1016Nm; Mw=2.0±0.6; Mo=0.04±0.6; Mo±2.7±0.6; Mo1.39±2.7; Ms=0.0±1.5; Ms±0.0±1.8; Best double couple: λ=120.06900x1016 NP1±0.336.00000, ±49.00000, λ=160.00000. Principal axes: T 2.7680, PG 0.0000, Azm87.0000; N 0.6020, P 0.6020, Azm357.0000; P -3.3690, P 0.6000, Azm177.0000; nsta1 refers to body waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ISC 26:23:26:08.0,9.0,15:1N:101:144.7E,0.2,h10km,n48,c=1948/17,mb3.9/16,MS4.0/37, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), H11S3 WAKE ISLAND Hy 21.30, H11S1 WAKE ISLAND Hy 21.30, etc.



Table with columns: NVAR, KBZ, FINES, PDAR, AKASO, NOA, BRTR, ULM. Includes station names, coordinates, and times.

IDC 27 00:18:25.4-0.9, 52.7S; 011-25.9E, 0.3, h10km, m10, m1 3.9/7, mb1mx3.7/21, mbtmp3.8/7, MS3.5/6, Ms1 3.5/5, ms1mx3.2/26, Error ellipse: s-maj=43.5km s-min=21.2km az=72.0

Table with columns: SUR, SNA, MAW, BOSA, VNSA, DBIC, TORO, ASAR, WRA, PDAR. Includes station names, coordinates, and times.

IDC 27 01:37:10.4-5.2, 6.92S; 130.10E, h191km, 49km, mb3.6/1, m1 3.2/4, mb1mx3.0/27, mbtmp3.7/4, Error ellipse: s-maj=74.7km s-min=22.1km az=71.0, Banda Sea

Table with columns: FITZ, WRA, WRA, ASAR, ASAR, MKAR. Includes station names, coordinates, and times.

IDC 27 01:39:03.0-1.8, 6.22S; 130.38E, h0km, mb4.0/2, m1 3.8/4, mb1mx3.5/25, mbtmp3.7/4, ML2.7/1, MS3.0/2, Ms1 3.0/2, ms1mx2.5/35, Error ellipse: s-maj=149.4km s-min=24.6km az=67.0, Banda Sea

Table with columns: WRA, ASAR, STKA, ASAJ, KLR, MKAR. Includes station names, coordinates, and times.

DJA 27 01:40:28.0-1.0, 3.7N; 121.6E, h96km, 9km, ML4.2/6, mb4.3/3, mb4.8/3, MLV4.2/6, Mw(mB)4.0/3, Talaud Islands

Table with columns: SSGI, MRSI, SANI, APSI. Includes station names, coordinates, and times.

NIED 27 01:58:00.33-0.00N; 137.00E, h5km, Mw3.6 Best double couple: M2:67000x1014 NP1:3x121.00000; 851.00000; 1.138.00000; NP2:0.240.00000; 859.00000; 1.47.00000

JMA 27 01:58:40.6-0.2, 32.97N; 136.97E, h55km, 3km, M3.5, 10D, Southeast of Shikoku

Table with columns: TT01, TT02, TK01, TK03, JWKM, TT04, JMMH, TK02, JKN2, JTNC, JIE, TK04, JWM, JMM, TSUJ, JHE, SHZ3, SHZ3, JIZS, MAT. Includes station names, coordinates, and times.

JMA 27 02:05:40.9-0.1, 38.54N; 142.01E, h17km, 1km, M3.7, Near east coast of eastern Honshu

Table with columns: JIKH. Includes station names, coordinates, and times.

Table with columns: JIKH, JKMT, JIO, OFJU, JMK, JMK, JOU, JOM, JMM. Includes station names, coordinates, and times.

IDC 27 02:15:59.2-3.7, 16.42S; 175.12W, h0km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

Table with columns: DZM, DZM, PPT, PPT2, TBI, WRA, ASAR, VNSA, MJAR, PETK, NVAR, TXAR, PDAR, PLCA, BRTR, MMAI. Includes station names, coordinates, and times.

IDC 27 02:25:26.6-0.9, 35.99N; 70.06E, h0km, mb3.5/14, m1 3.8/19, mb1mx3.7/47, mbtmp3.7/19, ML3.8/6, MS2.9/9, Ms1 3.0/9, ms1mx2.7/34, Error ellipse: s-maj=18.8km s-min=14.9km az=172.0

BUI 27 02:25:31.7, 36.30N; 69.80E, h20km, mb4.2/6, mb4.2/2, ML4.4/2

MOS 27 02:25:32.7-1.4, 36.33N; 69.93E, h49km, mb4.4/2, Error ellipse: s-maj=11.1km s-min=5.2km az=83.2

NEIC 27 02:25:33.6-0.8, 36.89E; h49km, 8km, mb4.0/5, Error ellipse: s-maj=9.3km s-min=7.6km az=145.0

NNC 27 02:25:35.7-2.6, 36.50N; 69.65E, h55km, 8km, mb4.3, mpv4.5, Error ellipse: s-maj=28.0km s-min=12.7km az=154.0

IDC 27 02:25:39.0-5.3, 36.26N; 0.05; 69.88E; 0.04, h50km, n103, z=2011/10, mb3.5/17, MS3.0/6, SC-8D, Hindu Kush region

Table with columns: KBL, KBL, GAR, GAR, CEP, THW, NIL, NIL, CHCP, BTK, BTK, SARP, KSH, KSH, KSH. Includes station names, coordinates, and times.

AML Almayush SNI=41

KK31 Karatay Array 6.86 4 ePn Pn 02 27 11.2 -0.6

KK31 Karatay Array 6.86 4 fPp Pn 02 27 11.7 -0.1

KK31 Karatay Array 6.86 4 ePn Pn 02 27 11.6 -0.1

KKAR Karatay Array 6.86 4 ePn Pn 02 27 11.5 -0.3

KKAR Karatay Array 6.86 4 ePn Pn 02 27 13.7 -0.0

NRN Naryn 7.04 4 ePn Pn 02 27 13.3 -1.2

NRN Naryn 7.04 4 ePn Pn 02 27 13.4 -1.2

EKSZ Erkin-Say 7.07 24 P Pn 02 27 15.4 -0.6

KZA Kyzart 7.15 34 P Pn 02 27 15.9 -0.3

AAK Ala-Archa 7.30 28 Pn Pn 02 27 18.4 +0.4

AAK Ala-Archa 7.30 28 Pn Pn 02 28 41.3 +1.7

AAK Ala-Archa 7.30 28 Pn Pn 02 27 18.6 +0.5

AAK Ala-Archa 7.30 28 ePn Pn 02 27 18.1 0.0

AAK Ala-Archa 7.30 28 ePn Pn 02 27 18.2 +0.2

AAK Ala-Archa 7.30 28 Pn Pn 02 27 18.2 +0.2

Table with columns: GEYT, GEYT, GYA0B, GYA0B, GYA0B, NDI, PDGG, PDGG, PDGG, OTUK, OTUK, OTUK. Includes station names, coordinates, and times.

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

Table with columns: PYUN, PYUN, MK31, MK31, MK31, MKAR, MKAR, DANN, DANN, DANN, AB31, AB31, AB31, GKN, GKN, DMN, DMN, KURBK, KURBK, PKBN, PKBN, PKI, PKI, KURK, KURK, KURK, JIRN, JIRN, AKTO, AKTO, AKTO, AKTO, BVA0, BVA0, BVA0, BVA0, BVAR, BVAR, BRVK, BRVK, BRVK, RAMM, RAMM, GNI, GNI, ZAA0, ZAA0, ZALV, ZALV, ARU, ARU, SHL, SHL, SHL, SHL, KVBZ, KVBZ, KVBZ, KVAR, KVAR, KIV, KIV, KIV, KIV, GTA, GTA, GTA, CD2, CD2, BRTR, BRTR, SONM, SONM, CMAR, CMAR, AKASA, AKASA, NRIK, NRIK, FINES, FINES, ARCES, ARCES, NOB2, NOB2, NOA, NOA, ESDC, ESDC, TORO, TORO, ILAR, ILAR, YKA, YKA, WRA, WRA, ASAR, ASAR, ZIRO, ZIRO, GUWA, GUWA, JORH, JORH, JORH, JORH.

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands

IDC 27 02:30:11.1, 18.3S; 220.50E, h46km, mb3.8/3, m1 4.1/3, mb1mx3.7/31, mbtmp3.8/3, MS3.6/8, Ms1 3.6/8, ms1mx3.4/20, Error ellipse: s-maj=231.6km s-min=28.9km az=151.0, Tonga Islands









Table with columns: CDCA, comp=E, 1180um, 1.2s, AML, AML. Includes rows for BADI, PARC, and other stations.

Table with columns: SLDE, Delcer, 1.95 357 eP, Pn, 06 01 30.3 +0.9. Includes rows for SLB, SLPA, SLW, SLBI, etc.

Table with columns: 553A, Crawfordville, 19.44 1 P, Pn, 06 05 54.8 -0.6. Includes rows for 555A, 557A, SJJ, etc.

IDC 27 05:32:15.8,3.9,3.56S; 101.20E, h0km, mb4.0/5, mb1 4.1/5, mb1mx3.7/37, mbtmp4.0/5, Error ellipse: s-maj=168.3km s-min=20.2km az=54.0

MEX 27 06:01:17.0,0.4, 16.71N:99.29W, h11km, 20km, MD3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes rows for AC2P, CAIG, TLIG, etc.

Table with columns: 449A, Pace, 20.12 354 P, Pn, 06 06 02.0 -1.5. Includes rows for BRAL, 351A, 353A, etc.

IDC 27 06:01:37.0,0.4, 10.42N:85.00W, h162km, 3km, mb4.1/15, mb1 3.6/19, mb1mx3.5/36, mbtmp4.0/19, Error ellipse: s-maj=23.1km s-min=11.9km az=42.0

UCR 27 06:01:38.5, 1.6, 10.66N:84.87W, h154km, 4km, MD4.1, M4.0, mb4.5(N)E(C)

Table with columns: 352A, Blakely, 20.72 360 P, Pn, 06 06 09.2 -1.5. Includes rows for 254A, 252A, 250A, etc.

NEIC 27 06:01:39.3, 1.8, 10.69N:84.81W, h153km, 3km, mb4.5/122, MW4.2(U)C, Error ellipse: s-maj=12.8km s-min=9.9km

NEIC 27 06:01:38.0,0.5, 10.66N:0.05:84.83W, 0.05, h155km, 4km, n484, 1914/495, mb4.4/97, 5C-3D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes rows for PTEN, AMAS, ACAL, CEDE, etc.

Table with columns: 255A, Americus, 21.31 2 P, P, 06 06 14.3 +1.7. Includes rows for 243A, 251A, 256A, etc.

MEX 27 05:50:44.7,0.5, 27.62N:111.57W, h2km, 7km, MD3.8, Gulf of California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes rows for SRIG, GUYB, GUYB, etc.

Table with columns: JTS, JTS, GUAB, GUAB, LIM1, etc. Includes rows for GUAB, LIM1, GP2, etc.

Table with columns: 149A, Jones, 21.91 356 P, P, 06 06 20.6 +1.6. Includes rows for 155A, 148A, 147A, etc.

IDC 27 05:53:48.9, 4.1, 33.19N:37.79W, h0km, mb3.4/5, mb1 3.8/5, mb1mx3.4/45, mbtmp3.4/5, MS3.5/12, Ms1 3.5/12, ms1mx3.3/27, Error ellipse: s-maj=135.4km s-min=26.1km az=0.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes rows for MDT, SCHO, MDP, DBIC, GERES, etc.

Table with columns: HDX, HDX, ESC, ESC, CONN, LCR2, etc. Includes rows for CONN, LCR2, ACON, etc.

Table with columns: 250A, Ashland, 22.51 358 eP, P, 06 06 26.4 +1.5. Includes rows for 250A, 253A, 254A, etc.

TRN 27 06:00:58.1, 11.84N:60.95W, h28km, MD3.5, Windward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes rows for TPR, TOSF, GRHS, etc.

Table with columns: LFRS, El Faro, 5.08 306 eP, Pn, 06 02 54.4 +1.7. Includes rows for RCIP, APG, CMIG, etc.

Table with columns: 494A, Blount Mountain, 23.14 357 eP, P, 06 06 31.7 +1.0. Includes rows for 494A, 495A, 498A, etc.

27d 6h

2013 APR

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X49A	Woodville	23.79	357	P	P	06 06 37.3 +0.9
X51A	Calhoun	23.80	360	eP	P	06 06 38.6 +1.9
X51A	Calhoun	23.80	360	P	P	06 06 37.2 +0.6
X52A	Dahlonega	23.85	2	P	P	06 06 38.0 +0.9
X55A	Gracelyn & Ava	23.88	7	P	P	06 06 38.7 +1.3
X54A	Belton	23.89	5	P	P	06 06 38.4 +1.0
X47A	Russelville	23.91	354	P	P	06 06 38.4 +0.7
X56A	White Oak	23.98	8	P	P	06 06 39.0 +0.8
X46A	Booneville	24.04	352	P	P	06 06 39.7 +1.0
X57A	Johnson Farm,	24.09	10	P	P	06 06 40.3 +1.0
OXF	Oxford	24.11	351	eP	P	06 06 40.7 +1.2
OXF	Oxford	24.11	351	P	P	06 06 40.3 +0.9
WLAR	White Oak Lake	24.15	343	eP	P	06 06 41.0 +1.2
PAUL	Pauline	24.21	6	eP	P	06 06 42.1 +1.8
BG3	Lake Jocassee	24.29	4	P	P	06 06 43.2 +2.1
X58A	Rowland	24.31	11	P	P	06 06 42.3 +1.0
W52A	Murphy	24.34	2	eP	P	06 06 44.1 +2.5
W52A	Murphy	24.34	2	P	P	06 06 42.8 +1.3
W49A	Belvidere	24.39	357	P	P	06 06 42.8 +0.8
W51A	Cleveland	24.39	0	P	P	06 06 43.4 +1.4
W50A	Signal Mountai	24.43	359	P	P	06 06 43.2 +0.8
W54A	Cherokee Point	24.44	5	P	P	06 06 44.0 +1.6
W48A	Pulaski	24.45	356	P	P	06 06 43.4 +0.9
W53A	Cullowhee	24.45	3	P	P	06 06 43.2 +0.6
SWET	Sewanee	24.47	358	eP	P	06 06 44.9 +2.1
W46A	Michie	24.58	353	P	P	06 06 44.1 +0.4
KMSC	Kings Mountain	24.58	7	eP	P	06 06 45.8 +2.0
KMSC	Kings Mountain	24.58	7	P	P	06 06 44.4 +0.7
W47A	Westpoint	24.61	355	P	P	06 06 44.7 +0.7
W56A	Indian Trail	24.67	8	P	P	06 06 45.0 +0.5
CPCT	Cooper Cave	24.68	1	eP	P	06 06 45.9 +1.3
W57A	Gilead	24.78	9	P	P	06 06 46.1 +0.6
V50A	Pikeville	24.90	359	P	P	06 06 47.8 +1.1
TKL	Tuckaleechee C	24.91	2	P	P	06 06 47.5 +0.8
V53A	Saluda	24.97	4	eP	P	06 06 49.1 +1.8
V53A	Saluda	24.97	4	P	P	06 06 47.9 +0.6
V49A	McMinville	25.02	358	P	P	06 06 49.3 +0.3
V48A	Smith Brothers	25.04	356	eP	P	06 06 49.3 +1.4
V48A	Smith Brothers	25.04	356	P	P	06 06 48.6 +0.7
V51A	Loudon	25.04	1	eP	P	06 06 49.6 +1.8
V51A	Loudon	25.04	1	P	P	06 06 48.6 +0.7
MIAR	Mount Ida	25.08	343	eP	P	06 06 49.7 +1.4
MIAR	Mount Ida	25.08	343	P	P	06 06 48.5 +0.2
W59A	Clinton	25.08	12	P	P	06 06 48.7 +0.4
V52A	Sevierville	25.10	2	eP	P	06 06 50.8 +2.4
V52A	Sevierville	25.10	2	P	P	06 06 49.3 +0.9
V54A	Nebo	25.14	6	P	P	06 06 49.6 +0.8
V47A	Nunnally	25.18	355	P	P	06 06 49.5 +0.4
V46A	Holladay	25.21	354	P	P	06 06 49.1 -0.2
W41B	Gary Mavity, V	25.32	346	P	P	06 06 50.4 -0.1
WHAR	Woolly Hollow	25.44	346	eP	P	06 06 52.1 +0.6
WVT	Waverly	25.50	354	eP	P	06 06 52.9 +0.8
WVT	Waverly	25.50	354	P	P	06 06 52.0 0.0
V57A	Coltrane Farms	25.53	10	P	P	06 06 52.9 +0.6
W58A	Windy Hill, Pi	25.56	11	P	P	06 06 53.1 +0.6
TXAR	Lajitas Array	25.59	319	P	P	06 06 51.6 -1.5
U51A	La Follette	25.62	2	P	P	06 06 53.1 0.0
U50A	Jamestown	25.64	360	P	P	06 06 54.2 +0.8
U53A	Fall Branch	25.68	4	P	P	06 06 54.7 +1.0
V59A	Middlesex	25.70	12	P	P	06 06 53.9 +0.1
W39A	Magazine	25.75	343	P	P	06 06 54.0 -0.3
U46A	Springville	25.77	354	P	P	06 06 54.6 +0.2
U47A	Clarksville	25.77	355	P	P	06 06 54.3 -0.1
U48A	Cassie Pea, Po	25.79	357	P	P	06 06 54.7 +0.1
TZTN	Tazewell	25.80	2	eP	P	06 06 56.1 +1.3
V60A	Jim Taylor Roa	25.92	14	P	P	06 06 56.8 +1.0
U55A	TA2, Sparta	25.96	7	P	P	06 06 57.0 +0.7
U44A	Portageville	26.11	351	P	P	06 06 57.9 +0.4
U57A	Blanch	26.14	10	P	P	06 06 58.7 +0.9
U58A	Oxford	26.25	12	P	P	06 06 59.2 +0.4
T53A	Wise	26.29	4	P	P	06 06 59.5 +0.3
T47A	Sharon Grove	26.30	356	eP	P	06 07 00.4 +1.2
T47A	Sharon Grove	26.30	356	P	P	06 06 59.8 +0.7
T49A	Edmonton	26.34	359	eP	P	06 07 01.0 +1.4
T49A	Edmonton	26.34	359	P	P	06 07 00.5 +0.9
U59A	Littleton	26.36	13	P	P	06 07 00.6 +0.8
T48A	Bowling Green	26.37	357	P	P	06 07 00.5 +0.7
T52A	Hallie	26.39	3	P	P	06 07 00.6 +0.6
T46A	Princeton	26.41	354	P	P	06 07 00.6 +0.3
T54A	Tazewell	26.45	6	P	P	06 07 01.2 +0.5
PBMO	Poplar Bluff	26.49	350	eP	P	06 07 02.1 +1.2
U40A	Yellville	26.60	345	P	P	06 07 02.6 +0.7
T56A	Rocky Mt	26.60	9	P	P	06 07 03.1 +1.0
T57A	Hurt	26.70	10	P	P	06 07 03.9 +1.0

T58A	Grand View Acr	26.78	11	P	P	06 07 04.0 +0.5
S47A	Hartford	26.88	356	P	P	06 07 05.0 +0.6
SS1A	Beaverville	26.89	2	eP	P	06 07 05.7 +1.2
SS1A	Beattyville	26.89	2	P	P	06 07 05.0 +0.5
S48A	Wiedeman Farm,	26.91	358	P	P	06 07 05.1 +0.4
SS0A	Richmond	26.91	1	P	P	06 07 05.3 +0.6
S49A	Springfield	27.01	359	P	P	06 07 06.2 +0.5
PTGA	Pitinga	27.20	113	P	P	06 07 06.9 -0.6
PTGA	Pitinga	27.20	113	eP	P	06 07 09.1 +1.5
SIUC	Southern Illin	27.23	352	eP	P	06 07 07.4 -0.1
S55A	Lewisburg	27.28	8	P	P	06 07 09.5 +1.5
USIN	University of	27.31	355	eP	P	06 07 09.0 +0.7
WCI	Wyandotte Cave	27.49	358	P	P	06 07 10.2 +0.5
R50A	Paris	27.51	1	P	P	06 07 10.8 +0.8
R49A	Shelbyville	27.52	359	P	P	06 07 10.5 +0.5
S41A	Jilco Farms,	27.53	348	P	P	06 07 10.9 +0.8
R51A	Hillsboro	27.55	2	P	P	06 07 11.1 +0.8
R47A	Wooly Knot Far	27.56	357	P	P	06 07 11.1 +0.6
R54A	Victor	27.62	7	P	P	06 07 12.1 +1.0
R48A	Northridge Ran	27.64	358	P	P	06 07 12.2 +1.0
R53A	Hurricane	27.68	5	P	P	06 07 12.5 +1.0
R45A	Skylar, Fairfi	27.69	354	P	P	06 07 11.9 +0.2
CCM	Cathedral Cave	27.88	349	eP	P	06 07 14.1 +0.8
CCM	Cathedral Cave	27.88	349	P	P	06 07 13.1 -0.2
R57A	Stanardsville	28.10	11	P	P	06 07 15.6 +0.4
OLIL	Olney	28.11	355	eP	P	06 07 15.9 +0.6
R41A	Rosebud	28.14	349	P	P	06 07 16.4 +0.8
Q47A	Bedord North L	28.20	357	P	P	06 07 16.3 +0.2
Q49A	Aurora	28.23	360	P	P	06 07 16.7 +0.3
Q53A	Lenoxy	28.24	5	P	P	06 07 17.4 +0.9
Q45A	Warren Harvey,	28.28	355	P	P	06 07 16.7 -0.1
MNXX	Cornudas Mount	28.28	321	P	P	06 07 17.4 +0.4
Q52A	Bidwell	28.28	4	P	P	06 07 18.0 +1.1
Q51A	Peebles	28.28	2	eP	P	06 07 18.0 +1.1
Q51A	Peebles	28.28	2	P	P	06 07 17.5 +0.7
Q54A	Coxs Mills	28.43	7	eP	P	06 07 19.0 +0.8
Q54A	Coxs Mills	28.43	7	P	P	06 07 19.2 +1.0
R60A	Leonardtown, M	28.47	14	P	P	06 07 19.9 +1.4
Q55A	Buckhannon	28.54	8	P	P	06 07 20.3 +1.1
Q42A	Golden Eagle	28.59	351	P	P	06 07 20.2 +0.6
P48A	Milroy	28.69	359	P	P	06 07 20.5 0.0
P47A	Martinsville	28.74	358	P	P	06 07 20.6 -0.3
P51A	Williamsport	28.75	3	P	P	06 07 20.8 -0.2
P49A	Miami Univ. Ec	28.76	0	P	P	06 07 20.6 -0.5
P50A	Jamestown	28.85	2	P	P	06 07 22.0 +0.1
P45A	Graceland, Par	28.87	355	P	P	06 07 22.1 0.0
P53A	Whipple	28.87	6	eP	P	06 07 24.0 +1.9
P53A	Whipple	28.87	6	P	P	06 07 23.0 +0.9
P44A	Sand Creek, Wi	28.89	354	P	P	06 07 22.9 +0.7
P52A	Corning	28.96	4	P	P	06 07 23.3 +0.4
P55A	Reedsville	29.07	8	P	P	06 07 25.2 +1.3
P54A	Burton	29.09	7	P	P	06 07 25.1 +1.1
MCWV	Mont Chateau	29.22	8	P	P	06 07 25.9 +0.8
O50A	Cable	29.39	2	P	P	06 07 27.0 +0.3
O51A	Pataskala	29.44	3	P	P	06 07 27.5 +0.4
O52A	Adamsville	29.46	5	eP	P	06 07 28.3 +1.0
O52A	Adamsville	29.46	5	P	P	06 07 27.7 +0.4
O48A	Farmland	29.48	359	P	P	06 07 27.7 +0.2
O47A	Sheridan	29.48	358	P	P	06 07 27.7 +0.2
ACSO	Alum Creek Sta	29.50	3	eP	P	06 07 28.6 +0.9
ACSO	Alum Creek Sta	29.50	3	P	P	06 07 28.0 +0.4
O44A	Mansfield	29.55	354	P	P	06 07 28.2 +0.1
O53A	New Philadelph	29.65	6	P	P	06 07 29.1 +0.2
O54A	Avella	29.67	7	P	P	06 07 29.2 +0.1
SFIN	Lafayette	29.67	357	eP	P	06 07 29.6 +0.5
SFIN	Lafayette	29.67	357	P	P	06 07 28.1 -1.0
O43A	Sugar Creek Fa	29.77	353	P	P	06 07 29.1 -1.0
O42A	Bath	29.78	352	P	P	06 07 29.8 -0.3
O41A	Passleys Farm,	29.82	351	P	P	06 07 29.9 -0.7
O55A	Ligonier	29.84	9	P	P	06 07 30.5 -0.2
O56A	Bluff Knob Stat	30.01	10	eP	P	06 07 35.4 +3.2
N50A	Nevada	30.03	3	P	P	06 07 32.2 -0.1
HDIL	Hopedale	30.04	353	P	P	06 07 32.2 -0.2
N48A	Decatur	30.08	360	P	P	06 07 32.4 -0.3
N47A	Urbana	30.11	359	P	P	06 07 32.9 -0.1
N49A	Columbus Grove	30.15	1	eP	P	06 07 33.8 +0.4
N49A	Columbus Grove	30.15	1	P	P	06 07 33.4 0.0
N44A	Piper City	30.16	355	P	P	06 07 33.5 0.0
N45A	Kentland	30.16	356	P	P	06 07 32.6 -0.9
N52A	McGinn's Farm,	30.16	5	P	P	06 07 32.8 -0.7
N46A	Monticello	30.16	357	P	P	06 07 32.9 -0.5
N51A	Ashland	30.22	4	eP	P	06 07 34.5 +0.5
N51A	Ashland	30.22	4	P	P	06 07 34.0 0.0
N53A	Lisbon	30.24	6	P	P	06 07 33.9 -0.3
N41A	Harden Midland	30.40	351	P	P	06 07 35.1 -0.4

N43A	Stutzman Famil	30.40	353	P	P	06 07 35.5 -0.1
N55A	Marion Center	30.45	9	P	P	06 07 36.8 +0.8
SSPA	Standing Stone	30.48	10	eP	P	06 07 38.2 +1.9
SSPA	Standing Stone	30.48	10	P	P	06 07 37.4 +1.1
N54A	Moraine State	30.48	7	P	P	06 07 37.0 +0.6
M50A	Fremont	30.67	3	P	P	06 07 38.0 +0.1
M49A	Liberty Center	30.70	1	P	P	06 07 38.2 -0.1
M44A	Midewin, Midew	30.74	355	P	P	06 07 38.5 -0.1
M43A	Walham Townsh	30.87	354	P	P	06 07 39.7 0.0
M53A	WI Miller and	30.88	6	P	P	06 07 40.4 +0.7
M52A	Chesterland	30.91	5	P	P	06 07 40.4 +0.3
M42A	Sheffield	30.98	353	P	P	06 07 40.6 -0.1
M41A	Milan	31.01	3			

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like F43A Flat Rock, E343 Lone Tree Farm, F414 Three Lakes, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IFR Ifrane, RSA Sarsar, RISA Sarsar, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SONGAO Songino Array, SONGAO Songino Array, SONM Songino Array, etc.

SFS 27 06:03:40.0, 34.03N:5.16W, ML3.5, QUEED NJA (MARRUECCO)
MDD 27 06:03:42.5, 3.0, 34.17N:5.18W, h0km, mb3.4/7, Error ellipse: s-maj=26.4km s-min=19.3km az=168.0, PRXIMO SOLLUCIN POBRE
CNRM 27 06:03:43.7, 34.10N:4.81W, h10km, ml2.7
ISC 27 06:03:41.1, 1.4, 34.11N:0.03:5.03W:0.04, h12km, 11km, n23, c:197739, Morocco
Code Station Name Az Az' Op Phase ID Time Res h m s ISC



comp=N,0.1nm,0.2s,baz=132,slow=6.6,SNR=3.7
YKA Yellowknife Arr 63.24 340 P P 07 19 59.2 -0.0
ASAR Alice Springs 149.13 234 PKPbc PKPcd 07 29 17.6 +3.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, etc.

DDA 27 08:15:07.4, 39.66N, 29.44E, h7km, 3km, ML2.5
ISK 27 08:15:07.5, 39.61N, 29.39E, h13km, ML2.0/10

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TVSB Tavsanli, TVSB Tavsanli, Gediz, etc.

MDNY Mudanya-Bursa 0.84 331 PG Pg 08 15 24.9 +0.6
YLV Yalova 0.94 358 PG Pg 08 15 26.2 +0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SRCK Saricakaya, ARMT Armutlu, ARMT Armutlu, etc.

STEP BALIKESIR\_Sava 1.34 260 i P Pg 08 15 34.8 +0.9
STEP BALIKESIR\_Sava 1.34 260 i S Pg 08 15 34.8 +0.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BALY Balya, BALY Balya, BALY Balya, etc.

JMA 27 08:22:02.8, 0.1, 38.51N, 142.04E, h33km, 1km, M3.6
Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIKH Ishinomakikobu, JKMT Kesenumatomoty, etc.

IDC 27 08:23:45.0, 1.1, 9.58S, 117.74E, h0km, mb3.9/7,
mb1 4.0/10, mb1mx3.8/40, mbtmp3.9/10, ML3.8/3, MS3.7/2,

DJA 27 08:23:55.7, 0.8, 10.1S, 5.11E, h31km, 7km, M4.3/6,
MLV4.3/6

ISC 27 08:23:51.2, 0.7, 9.75S, 10.06E, h18.11E, h35km, n20,
e301/24, mb4.0/6, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PLA1 Plampang, PLA1 Plampang, DNP Denpasar, etc.

NIED 27 08:29:00, 41.90N, 142.30E, h62km, Mw3.7 Best double
couple: M3.47000, 1.014 NP1.9, 199.00000, 820.00000,
1.87.00000, NP2.2, 22.00000, 870.00000, 1.91.00000,
JMA 27 08:29:01, 4.0, 2.1, 81.94N, 142.34E, h69km, 3km, M3.7

ISC 27 08:29:02, 4.0, 8.1, 94N, 142.33E, 0.04, h65km, 7km,
n43, e113/48, mb3.6/12, 4C-4D, Hokkaido region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JNKB Urakawa-nobuka, JNKB Urakawa-nobuka, JSHD Hidakashinhida, etc.

ISK 27 08:47:48.4, 38.87N, 143.20E, h13km, ML2.4/6
DDA 27 08:47:49.2, 38.86N, 143.20E, h7km, 3km, ML3.2

ISC 27 08:47:49.0, 1.2, 38.86N, 143.20E, 0.03, h12km, 1km,
n14, e97/33, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VANB Van, VANB Van, VMUR Van-Muradiye, etc.

ADCV BITLIS\_Adilcev 0.37 262 i S Pb 08 47 58.0 +0.2
ADCV BITLIS\_Adilcev 0.37 262 i S Pb 08 48 05.4 +1.8

AKDM Akdamar-Van 0.56 198 PG Pg 08 47 58.8 -0.1
AKDM Akdamar-Van 0.56 198 PG Pg 08 48 00.3 -0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MLAZ Malazgirt-MUS, MLAZ Malazgirt-MUS, TUTA Tutak, etc.

NCEDZ 27 09:01:55.5, 4.0, 42N, 125.37W, h19km
NEIC 27 09:01:55.4, 4.0, 42N, 125.37W, h19km,
ML3.1(NCEDZ), ML3.4(NEIC), After NCEDZ,

IDC 27 09:01:57.2, 2.8, 4.0, 60N, 124.91W, h0km, mb2.9/3,
mb1 3.3/5, mb1mx3.2/43, mbtmp3.0/5, ML2.8/2, MS1.9/1,

ANF 27 09:01:59.0, 1.7, 40.66N, 124.77W, ML3.0/18, Error
ellipse: s-maj=17.4km s-min=5.6km az=75.0

ISC 27 09:01:56.3, 2.2, 40.49N, 125.15W, 0.08,
h14km, 1.9km, n52, e120/63, Off coast of northern

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JCC Jacoby Creek, KMRM Mail Ridge, KMRM Mail Ridge, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like M02C Callahan, WDC Whiskeytown-Da, L02E Cave Junction, etc.

DJA 27 09:02:49.6, 1.9, 9S, 10.70E, h31km, 34km, M4.6/7,
mb5.0/1, MLV4.3/7, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CISI Cisompet, Garu, CISI Cisompet, Lembang, etc.

RSNC 27 09:05:04.9, 1.0, 7.43N, 73.21E, h131km, 5km, ML3.4,
Mw3.5, 5C-3D, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GIRC Giron, Santand, GIRC Giron, Pamplona, Colo, etc.

Table with columns: CODE, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like CODC, ROSC, SDV, etc.

Table with columns: PMTG, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like Montargil, Marv??, etc.

Table with columns: BJI, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like Beijing, Alice Springs, etc.

ISK 27 09:13:07.4, 37:30N:37:10E, h12km, ML1.6/4
DDA 27 09:13:08.2, 37:32N:37:10E, h7km, ML2.5

MEX 27 09:34:31.3, 18:10N:101:84W, h20km, 324km, MD3.6, Guerrero

MEX 27 10:04:40.7, 1.15, 1582N:95:87W, h29km, 29km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GAZ, KAH, KMRS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like IPOC Station P, Chusmiza, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like PANG, CMIG, etc.

IDC 27 09:15:40.1, 6.9, 31:35S:178:69W, h0km, mb3.4/2, mb1 3.7/2, mb1mx3.4/3, mbtmb3.4/2, Error ellipse: s-maj=281.6km s-min=62.0km az=157.0, Kermadec Islands region

NEIC 27 10:03:11.7, 0.7, 0:54N:96:79E, h22km, 14km, mb4.1/1.0, Error ellipse: s-maj=39.5km s-min=4.8km az=178.0

JMA 27 10:29:43.0, 0.1, 24:60N:122:94E, h77km, 1km, M2.1, TAP 27 10:29:43.3, 24:50N:122:94E, h75km, ML3.0, C

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like ASAR, WRA, FINES, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like NMNC, PSAG, PSAGC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like MORC, LANS, etc.

SFS 27 09:21:26.0, 32:39N:5:52W, ML4.4, S. KHENJA (MARRUECOS)

DJA 27 10:03:21.9, 0.9, 1:55, 9:7E, h21km, 4km, M4.2/8, Error ellipse: s-maj=7.1km s-min=1.0km az=110.0

JMA 27 10:29:43.3, 24:50N:122:94E, h75km, ML3.0, C, ISC 27 10:29:44.3, 1.2, 24:49N:122:95E, 0:02, h70km, 7km, n66, c081/111, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like MD31, GOLM, IFR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GSI, SSI, MNSI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like JYNG, YOJ, YON, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like IFR, ZHG, LCRM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GSI, SSI, MNSI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like JYNG, YOJ, YON, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like IFR, ZHG, LCRM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GSI, SSI, MNSI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like JYNG, YOJ, YON, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like IFR, ZHG, LCRM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GSI, SSI, MNSI, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GSI, SSI, MNSI, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like JYNG, YOJ, YON, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like IFR, ZHG, LCRM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GSI, SSI, MNSI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like JYNG, YOJ, YON, etc.







s-min=15.9km az=91.0

VAO ZT 12:44:03.2,0.4,24.15S;67.55W,h234km,4km,mb4.2

GUC ZT 12:44:09.0,5,23.91S;67.47W,h218km,7km,ML4.7

ISC ZT 12:44:02.1,0.6,24.06S;0.04,67.22W,0.04,h191km,6km,n105,01:39/127,mb4.2/11,10C-2D,Chile-Argentina

Code	Station Name	A°	AZ°	Phase	ID	Time	Res
						h m s	ISC
SLA	San Lorenzo	1.69	113	Op	ISC	12 44 38.1	+1.1
SLA	comp-Z,450nm,0.6s			IAML		12 44 38.8	
SLA	Humahuaca	1.86	63	eS	S	12 45 04.4	+0.3
HJA	comp-Z,597nm,0.7s			IAML		12 44 41.3	
AZAP	Zapla	1.97	95	eP	Pn	12 44 40.7	+0.7
AZAP	comp-Z,1µm,0.3s			IAML		12 44 42.1	
LVC	Limon Verde	2.12	313	P	S	12 45 09.7	+0.5
LVC	comp-Z,165nm,0.3s,baz=24,slow=16,SNR=35			S	S	12 45 12.4	0.0
LVC	comp-Z,511nm,21.3s,baz=108,slow=47			LR	LR	12 45 51.6	
LVC	Limon Verde	2.12	313	ePn	Pn	12 44 42.7	+1.0
LVC	comp-Z,1µm,0.5s			IAML		12 45 13.7	+0.9
LVC	Limon Verde	2.12	313	eS	S	12 44 36.2	+1.5
LVC	comp-Z,395nm,0.2s			IAML		12 45 14.5	
LVC	Limon Verde	2.12	313	iP	Pn	12 44 43.4	+1.6
LVC	comp-Z,1µm,0.5s			IAML		12 45 12.4	0.0
LB15	IPOC Station P	2.24	292	eP	Pn	12 44 44.4	+1.7
LB15	comp-N,2µm,0.5s			IAML		12 45 15.5	+1.3
LB15	IPOC Station P	2.24	292	eP	Pn	12 44 44.5	+1.7
LB15	comp-N,2µm,0.5s			IAML		12 45 15.0	+0.7
LB15	IPOC Station P	2.24	292	eP	Pn	12 44 44.8	+1.0
LB15	comp-N,2µm,0.5s			IAML		12 44 49.4	
GO02	Mina Guanaco	2.42	243	ePn	Pn	12 44 46.2	+1.3
GO02	comp-N,2µm,0.5s			IAML		12 45 19.1	+0.9
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 19.1	+0.9
GO02	comp-N,2µm,0.5s			IAML		12 44 46.1	+0.8
GO02	Mina Guanaco	2.42	243	iP	Pn	12 44 46.1	+0.8
GO02	comp-N,2µm,0.5s			IAML		12 45 19.5	+0.6
GO02	Mina Guanaco	2.42	243	iP	Pn	12 44 47.4	+1.2
GO02	comp-N,2µm,0.5s			IAML		12 45 21.4	+0.8
GO02	Mina Guanaco	2.42	243	iP	Pn	12 44 47.8	+1.6
GO02	comp-N,2µm,0.5s			IAML		12 45 20.3	-0.2
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 21.8	
GO02	comp-N,2µm,0.5s			IAML		12 44 52.4	+1.7
GO02	Mina Guanaco	2.42	243	iP	Pn	12 44 52.4	+1.7
GO02	comp-N,2µm,0.5s			IAML		12 45 28.6	+0.2
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 30.4	
GO02	comp-N,2µm,0.5s			IAML		12 44 52.2	+1.0
GO02	Mina Guanaco	2.42	243	iP	Pn	12 44 52.6	+1.2
GO02	comp-N,2µm,0.5s			IAML		12 44 52.5	+1.0
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 28.4	-1.4
GO02	comp-N,2µm,0.5s			IAML		12 45 31.5	
GO02	Mina Guanaco	2.42	243	iP	Pn	12 44 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 44 53.7	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s			IAML		12 45 53.6	+1.1
GO02	Mina Guanaco	2.42	243	iP	Pn	12 45 53.6	+1.1
GO02	comp-N,2µm,0.5s						





Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like RAR, URZ, DZM, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like GOKC, BOZC, EZN, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like PAIG, Paliouri, AKHS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ENT, YMI1, WML1, etc.

IDC 27 14:58:32.1±2.1, 7.25S, 144.12E, h0km, mb3.8/2, mb1 4.0/5, mb1mx3.6/33, mbtmp3.8/5, ML3.4/2, MS2.9/1, Ms1 2.9/1, ms1mx2.5/1.3, 7.55±0.2, Error ellipse: s-maj=4.0km s-min=31.0km az=46.0

NEIC 27 14:58:37.7±1.4, 7.59S, 144.13E, h35km, mb4.3/3, Error ellipse: s-maj=23.4km s-min=12.5km az=197.0

ISC 27 14:58:37.5±1.3, 7.55±0.2, 144.10E, h35km, n12, c0589/14, Near south coast of New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, SAUI, WB2, etc.

NEIC 27 14:59:59.8±1.5, 17.89N, 146.94E, h70km±14km, mb4.6/23, Error ellipse: s-maj=11.3km s-min=7.8km az=81.0

IDC 27 15:00:00.2±4.2, 17.91N, 147.05E, h75km, 37km, mb3.9/23, mb1 4.0/23, mb1mx3.9/44, mbtmp4.2/23, ML3.6/1, MS3.4/8, Ms1 3.4/8, ms1mx3.1/39, Error ellipse: s-maj=20.7km s-min=11.5km az=90.0

ISC 27 14:59:59.4±2.0, 17.91N, 147.05E, h70km±18km, n83, c1502/84, mb4.4/41, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO, H1S3, H1S1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KKN, DMN, GKN, etc.

GRAL 27 15:11:39.1±0.3, 33.79N, 35.79E, h2km±12km, MD2.7 NSCC 27 15:11:39.0±0.3, 33.78N, 35.79E, h6km±6km, ML1.5

ISC 27 15:11:38.2±0.3, 33.80N, 35.75E, h10km±28km, n95, c0935/12, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BHL, DQRL, RCH, etc.

JMA 27 15:14:22.6±0.1, 24.84N, 122.73E, h41km±2km, M2.5 TAP 27 15:14:22.5, 24.86N, 122.69E, h21km, ML3.4, D

IDC 27 15:14:39.2±5.7, 24.79N, 122.60E, h173km, 57km, mb3.0/7, mb1 3.2/8, mb1mx2.9/55, mbtmp3.5/8, MS3.1/4, Ms1 3.1/4, ms1mx2.8/17, Error ellipse: s-maj=26.0km s-min=18.0km az=92.0

ISC 27 15:14:21.6±1.2, 24.87N, 122.70E, h11km±8km, n73, c0678/108, mb3.4/7, MS3.1/3, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYNG, YOJ, EOS1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WFSB, PCYT, TWE, etc.



27 17h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like MJAR Matsushiro Arr, MJAR Matsuhiro, MA2 Magadan, H112 WAKE ISLAND Hy, etc.

DDA 27 16:12.13.8.0.7, 7.74S:128.39E, h0km, mb3.9/6, mb1 4.1/9, mb1mx3.8/29, mbtmpr4.0/9, ML4.3/4, Error ellipse: s-maj=40.7km s-min=18.1km az=75.0

NEIC 27 16:12.24.5.2.7, 8.08S:127.96E, h1km, mb4.2/8, Error ellipse: s-maj=16.6km s-min=15.1km az=55.0

ISC 27 16:12.24.9.0.6, 8.25S:106.128.00E:0.06, h100km, n32, c=210.32, mb4.0/11, Timor Sea

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like SAUI Saumlaki, SAUI Soe, BATI Baumenta, FITZ Fitzroy Crossi, etc.

DDA 27 16:13.40.8, 37.32N:37.12E, h7km, 1km, ML3.1

ISC 27 16:13.40.4, 37.30N:37.09E, h6km, ML2.3/8

DDA 27 16:13.41.1, 37.28N:37.03E:0.03, h10km, 7km, n18, c=278/25, Turkey

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like GAZ Gaziantep, HCB Kahramanmara, etc.

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Table with columns: KUZU, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like ANDN Andirin, KOZAN Kozan, ELBS ELBS, etc.

NEIC 27 16:34.32.7.0.0, 19.06N:64.82W, h118km, MD3.3(RSPR), After RSPR

RSPR 27 16:34.32.7, 19.06N:64.82W, h118km, 3km, MD3.3/4, 9C-1D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like ABV Anegada, ABV Anegada, ABV Anegada, etc.

DDA 27 16:36.47.5.5.0, 20.88S:178.82W, h579km, 66km, mb2.8/5, mb1 3.1/7, mb1mx2.9/22, mbtmpr3.9/7, Error ellipse: s-maj=36.1km s-min=23.4km az=65.0

ISC 27 16:36.49.0.1, 2.121S:0.1x178.9W:0.2, h600km, n8, c=294/8, mb3.2/5, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, URZ Urewera, URZ Urewera, etc.

ISK 27 16:42.08.3, 37.32N:37.12E, h13km, ML1.6/6

DDA 27 16:42.08.8, 37.32N:37.11E, h8km, 1km, ML2.5

ISC 27 16:42.08.7.1.1, 37.33N:0.05:37.15E:0.04, h14km, 8km, n10, c=919/14, Turkey

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like GAZ Gaziantep, HCB Kahramanmara, HCB Kahramanmara, etc.

DDA 27 16:46.30.6, 37.31N:37.10E, h2km, 2km, ML2.9

ISC 27 16:46.30.2, 37.30N:37.09E, h5km, ML2.0/8

ISC 27 16:46.31.0-0.9, 37.29N:0.03:37.10E:0.03, h10km, 7km, n17, c=972/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like GAZ Gaziantep, HCB Kahramanmara, KMRS Kahramanmara, etc.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like TAHT Tahtakopru-Hat, AKCD Akcadag, YURE YUREGIR, etc.

DDA 27 16:50.23.2.3.9, 27.31S:177.62W, h141km, 32km, mb3.5/2, mb1 3.8/3, mb1mx3.3/33, mbtmpr4.0/3, Error ellipse: s-maj=48.5km s-min=33.9km az=13.0

ISC 27 16:50.23.5.1.6, 27.45S:0.1x177.6W:0.2, h145km, n7, c=971/9, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like RAO Raoul Island, URZ Urewera, URZ Urewera, etc.

DDA 27 16:54.20.9.2.2, 52.91N:170.99W, h0km, mb3.3/6, mb1 3.7/8, mb1mx3.4/4.1, mbtmpr3.4/8, ML3.3/2, Error ellipse: s-maj=44.1km s-min=34.5km az=21.0

NEIC 27 16:54.20.0.0, 52.74N:169.74W, h42km, ML3.5(AEIC), After AEIC

ISC 27 16:54.34.7.0.9, 52.92N:162.169.73W:0.07, h50km, n40, c=304/37, mb3.3/6, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like NIKH Nikolski High, OKAK Okmok, OKAK Okmok, etc.

DDA 27 16:57.41.1, 37.32N:37.12E, h13km, ML1.6/6

DDA 27 16:57.41.1, 37.32N:37.12E, h13km, ML1.6/6

ISC 27 16:57.41.1, 37.32N:37.12E, h13km, ML1.6/6

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, URZ Urewera, URZ Urewera, etc.

NIED 27 17:07.00.37.90N:139.30E, h190km, Mw3.8 Best double couple: M6.18000:1014 NP1.8183.00000, delta.00000, lambda.20000, NP2.15.00000, delta.00000, lambda.00000

JMA 27 17:07.41.5.0.1, 37.91N:139.26E, h156km, 1km, M3.5

DDA 27 17:07.41.1, 0.9, 37.94N:139.25E, h159km, 8km, mb3.2/14, mb1 3.4/18, mb1mx3.3/41, mbtmpr3.7/18, Error ellipse: s-maj=16.6km s-min=10.1km az=88.0

ISC 27 17:07.41.2, 0.6, 37.94N:139.24E:0.06, h159km, 5km, n39, c=98/57, mb3.4/14, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like JNS Sasagawa, JAW Awa shima, JAW Izumozaki, etc.









Table with columns: Station, Name, Time, Date, Status, etc. Includes entries like LTY Liberty, H04A Tendick Farm, HUMO Hull Mountain, etc.

Table with columns: Station, Name, Time, Date, Status, etc. Includes entries like YES Vestal, Rchgr, HLID Hailey, HLID Hailey, SCZZ Santa Cruz Isl, etc.

Table with columns: Station, Name, Time, Date, Status, etc. Includes entries like Y12C Blythe, PDMCI Parker Dam, GLA Glamis, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like G39A Holcombe, H39A Augusta, G40A Rib Lake, etc.

TAP 27:20:00.32.8, 24:87N: 122:39E, h9km, ML3.1, C
JMA 27:20:00.32.10.1, 24:87N: 122:46E, h44km, 2km, M2.3
ISC 27:20:00.30.9.1, 24:88N: 122:45E: 0.03, h17km, 8km, n60, c050/101, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like TWB1 Santiao Chiao, EOS1 EOS1, EGS EOS1, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like NWLT baz=263, TAP Taipei, TAP Taipei, etc.

ISC 27:20:09.02.6.1.6, 32:56N: 136:06E, h446km, 17km, mb2.8/6, mb1.2.9/11, mb1mx2.8/47, mbtmp3.7/11, Error ellipse: s-maj=26.5km s-min=19.4km az=83.0

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like JTNC Tanabenahech, TTO1 TONANKI O.B.S, etc.

ISC 27:20:18:42.5:2.7, 47:11N: 153:37E, h47km, 26km, mb3.4/12, mb1.3.6/15, mb1mx3.3/55, mbtmp3.7/15, ML2.8/2, MS2.8/1, Ms1.2.8/1, ms1mx2.3/25, Error ellipse: s-maj=34.5km s-min=17.9km az=155.0

27d 20h

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, ASAJ Asahikawa, KLR Kuldur, etc.

ISC 27:20:20:00.9:10.0, 26:02N: 141:23E, h0km, mb3.6/5, mb1.3.6/5, mb1mx3.3/50, mbtmp3.6/15, Error ellipse: s-maj=317.5km s-min=122.8km az=6.2, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like SONM Songoing Array, MKAR Makanchi Array, etc.

ISC 27:20:22:16.4:2.1, 7:06S: 129:15E, h0km, mb3.7/1, mb1.4.1/3, mb1mx3.4/38, mbtmp3.9/3, ML3.9/2, Error ellipse: s-maj=141.9km s-min=31.1km az=67.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA WRA, ASAR Alice Springs, etc.

ISC 27:20:31:39.4:1.2, 38:03N: 71:55E, h0km, mb3.7/8, mb1.3.8/14, mb1mx3.5/46, mbtmp3.6/14, ML3.6/6, Error ellipse: s-maj=22.0km s-min=15.3km az=145.0

SOME 27:20:31:41.3, 38:45N: 72:40E, h20km, NNC 27:20:31:47.3:2.5, 38:54N: 71:33E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=23.2km s-min=16.7km az=5.0

ISC 27:20:31:45.0:0.7, 38:23N: 0:05, 71:07E: 0:06, h10km, n29, c2549/33, mb3.6/8, 9C-8D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like IUG luzhnan, IUG luzhnan, CEP Cherat, etc.



1705

Table with 4 columns: ID, Station Name, Azimuth, and other parameters. Includes entries for POC Station P, Yavi, and comp=2.2,6nm,0.3s.

IDC 27 21:13:50.5-1.7, 33.72N, 38.08W, h0km, mb3.7/7, mb1 3.9/7, mb1mx3.5/44, mbtmp3.7/7, Error ellipse: s-maj=51.7km s-min=24.1km az=13.0, Northern

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Frobisher Bay, GERES Array, TORO Torodi Ar, etc.

IDC 27 21:23:04.4-1.5, 21N, 127.05E, h0km, mb3.6/4, mb1 3.7/4, mb1mx3.3/43, mbtmp3.6/4, Error ellipse: s-maj=135.3km s-min=26.9km az=70.0, Philippine Islands region

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, SOMNI Sogingo Array, MKAR Makanchi Array, etc.

IDC 27 21:32:43.5-3.0, 10.33S, 161.60E, h74km, 22km, mb3.3/6, mb1 3.5/7, mb1mx3.3/33, mbtmp3.7/7, Error ellipse: s-maj=34.4km s-min=17.4km az=62.0

IDC 27 21:32:41.9-1.1, 10.3S, 161.7E, 0.2, h61km, n9, o89R/11, mb3.5/6, Bougainville-Solomon Islands region

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Honiara, WARRAMUNGA ARR, ASAR Alice Springs, etc.

VAO 27 21:51:28.9-1.2, 18.22S, 69.21W, h85km, 11km, mb5.3 SJA 27 21:51:30.2-0.6, 18.32S, 69.60W, h125km, 4km, MLL4.0

MW4.7 GUC 27 21:52:32.0-0.7, 18.39S, 69.47W, h123km, 5km, MLL4.6 MOS 27 21:51:32.9-1.2, 18.31S, 69.24W, h135km, 5m, 2/54, Error ellipse: s-maj=9.7km s-min=5.4km az=94.4

IDC 27 21:51:32.9-0.5, 18.25S, 69.17W, h121km, 4km, mb4.6/16, mb1 4.8/20, mb1mx4.6/32, mbtmp5.0/20, MS3.4/4, Ms1 3.4/4, ms1mx3.1/25, Error ellipse: s-maj=13.7km s-min=10.9km az=74.0

NEIC 27 21:51:32.2-0.2, 18.33S, 69.10W, mb5.1/259, Error ellipse: s-maj=6.2km s-min=3.5km az=82.0 NEIC Felt at Arica

GCMT 27 21:51:36.2-0.4, 18.43S, 0.02-69.37W, 0.03, h146km, 6km, MW4.9/73, Moment Tensor Solution, s12,c12; s73,c91; Duration: 0 Moment tensor: Scale 10^19Nm, M1=0.08, 14; M2=0.02, 15; M3=1.51, 18; M4=1.71, 09; M5=0.52, 18; M6=2.05, 13; Best double couple: M2, 99400.0, NP12: 0.208, 0.0000, 0.222, 0.0000, 1-22, 0.0000, Principal axes: T 3.1960, P1g33.0000, Azm67.0000, P -2.7920, P1g49.0000, Azm207.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 27 21:51:31.5-0.4, 18.36S, 0.03-69.36W, 0.05, h15km, 3km, h15km, pP-P, n1061, i1928/1082, mb5.1/319, 18C-7D, Northern Chile

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Minye Minye, Chusmiza, Pisagua, etc.

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Large table with 10 columns: ID, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IPOC Station P, HumaHuaca, Mina Guanaco, etc.

27d 21h

Table with 10 columns: ID, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Monte Pirata, Col San Antoni, Canovas, etc.



27d 21h

JSC	baz=161	53.56 348	eP	P	22 00 40.5	-0.1
JSC	Jenkinsville	53.56 348	eP	P	22 00 40.5	-0.1
JSC	Jenkinsville	53.56 348	eP	P	22 00 40.5	-0.1
148A	comp=Z,15nm,0.8s	53.63 341	P	P	22 00 40.4	-0.7
Y53A	Greensboro	53.67 345	P	P	22 00 40.8	-0.6
Z50A	baz=158	53.71 343	eP	P	22 00 41.3	-0.4
Z50A	Monroe	53.71 343	P	P	22 00 41.3	-0.4
X56A	baz=163,SNR=9.0	53.72 348	P	P	22 00 41.3	-0.4
HODGE	baz=166,SNR=9.1	53.72 347	eP	P	22 00 41.5	-0.3
Y52A	Hodges	53.79 345	eP	P	22 00 41.0	-1.2
Y52A	comp=Z,17nm,0.8s	53.79 345	P	P	22 00 41.6	-0.7
LRAL	Libburn	53.82 342	eP	P	22 00 41.9	-0.6
LRAL	baz=162,SNR=8.2	53.82 342	P	P	22 00 41.9	-0.6
X55A	Lakeview Retre	53.82 347	P	P	22 00 42.2	-0.3
Z49A	comp=Z,27nm,0.8s	53.83 342	P	P	22 00 41.9	-0.6
147A	LRAL	53.88 340	P	P	22 00 42.2	-0.7
W58A	Livingston	53.91 350	P	P	22 00 42.6	-0.5
CNNC	baz=157	53.92 351	P	P	22 00 42.3	-0.9
W59A	Raeoford	53.93 351	P	P	22 00 42.4	-0.8
X54A	Cliffs of the	53.95 347	P	P	22 00 44.0	-0.2
Y51A	Clinton	54.08 344	P	P	22 00 43.8	-0.7
W57A	Belton	54.17 349	P	P	22 00 44.3	-0.7
PAULI	Rockma	54.20 347	eP	P	22 00 45.1	-0.1
X53A	Pauline	54.22 346	P	P	22 00 44.9	-0.5
Y50A	Estanolee	54.26 343	P	P	22 00 44.9	-0.8
W56A	Piedmont	54.26 349	P	P	22 00 45.1	-0.6
V61A	Indian Trail	54.29 353	P	P	22 00 45.7	-0.1
HKT	Roper	54.39 332	eP	P	22 00 48.4	+1.8
KMSC	Hockley	54.41 348	eP	P	22 00 46.5	-0.2
Y49A	comp=Z,13nm,1.8s	54.41 348	P	P	22 00 46.5	-0.2
Y49A	Kings Mountain	54.41 343	eP	P	22 00 46.1	-0.8
X52A	comp=Z,31nm,0.8s	54.41 343	P	P	22 00 46.0	-0.8
Y59A	Blount Mountai	54.45 345	P	P	22 00 46.5	-0.7
W54A	Dahlonega	54.48 351	P	P	22 00 46.3	-0.9
BG3	Middlesex	54.53 347	P	P	22 00 47.7	+0.1
V58A	Cherokee Point	54.60 346	eP	P	22 00 48.4	+0.2
X51A	Lake Jocassee	54.65 350	P	P	22 00 47.3	-1.2
Y48A	Windy Hill, Pi	54.66 344	eP	P	22 00 48.3	-0.2
833A	Calhoun	54.69 348	-0.8	P	22 00 47.8	-0.8
X50B	comp=Z,5nm,1.0s	54.69 342	P	P	22 00 47.6	-1.1
W53A	Jasper	54.76 327	eP	P	22 00 50.2	+0.8
Y57A	Chaparral WMA	54.77 344	P	P	22 00 48.5	-0.9
W52A	Fort Payne	54.83 346	P	P	22 00 49.7	-0.2
Y56A	baz=161,SNR=15	54.85 350	P	P	22 00 48.9	-1.0
W55A	Cullowhee	54.90 349	P	P	22 00 50.0	-0.2
Y55A	baz=164,SNR=30	54.93 345	eP	P	22 00 49.3	-1.3
W52A	Coltrane Farms	54.93 345	eP	P	22 00 49.3	-1.3
Y56A	baz=163,SNR=6.2	54.93 345	eP	P	22 00 50.1	-0.5
W52A	Mocksville	54.93 345	eP	P	22 00 49.3	-1.3
Y56A	baz=167,SNR=17	54.93 345	eP	P	22 00 49.3	-1.3
W52A	Murphy	54.93 345	eP	P	22 00 49.3	-1.3
Y56A	comp=Z,25nm,0.9s	54.93 345	eP	P	22 00 49.3	-1.3
W52A	Murphy	54.93 345	eP	P	22 00 49.3	-1.3
Y56A	Littleton	55.00 343	P	P	22 00 50.3	-0.8
W52A	Woodville	55.03 352	P	P	22 00 50.0	-1.2
Y56A	Pendleton	55.07 348	P	P	22 00 51.5	0.0
W52A	Taylorsville	55.15 351	P	P	22 00 51.3	-0.8
Y56A	Oxford	55.15 348	P	P	22 00 51.9	-0.2
W52A	Nebo	55.15 342	eP	P	22 00 51.6	-0.5
Y56A	baz=165,SNR=24	55.15 342	eP	P	22 00 51.6	-0.5
W52A	Hartselle	55.20 345	P	P	22 00 52.1	-0.4
Y56A	comp=Z,53nm,0.8s	55.20 345	P	P	22 00 52.4	-0.1
W52A	Cleveland	55.23 347	eP	P	22 00 52.3	-0.5
Y56A	Saluda	55.30 350	P	P	22 00 52.3	-0.8
W52A	Blanco	55.38 344	P	P	22 00 53.3	-0.5
Y56A	Signal Mountai	55.40 349	P	P	22 00 53.6	-0.3
W52A	baz=161	55.41 345	eP	P	22 00 53.4	-0.6
Y56A	King	55.41 345	eP	P	22 00 53.6	-0.3
W52A	Cooper Cave	55.43 334	eP	P	22 00 56.9	+2.7
Y56A	Nacogdoches	55.43 346	eP	P	22 00 53.5	-0.6
W52A	TKL	55.43 346	eP	P	22 00 53.5	-0.6
Y56A	TKL	55.43 346	eP	P	22 00 53.5	-0.6
W52A	comp=Z,42nm,0.8s	55.45 341	P	P	22 00 53.3	-1.0
Y56A	Russelville	55.56 343	P	P	22 00 54.1	-0.9
W52A	Belviders	55.56 344	eP	P	22 00 54.4	-0.7
Y56A	SWET	55.57 346	eP	P	22 00 54.3	-0.8
W52A	comp=Z,60nm,0.7s	55.57 346	eP	P	22 00 54.4	-0.6
Y56A	Sevierville	55.57 352	P	P	22 00 54.1	-0.9
W52A	Double "B" Far	55.57 349	P	P	22 00 55.7	-0.2
Y56A	baz=170,SNR=14	55.68 351	P	P	22 00 55.0	-0.8
W52A	TA2, Sparta	55.71 345	eP	P	22 00 55.5	-0.6
Y56A	baz=166,SNR=19	55.71 345	eP	P	22 00 55.3	-0.8
W52A	Grand View Acr	55.71 341	P	P	22 00 55.1	-1.1
Y56A	baz=169,SNR=9.7	55.71 343	P	P	22 00 55.9	-0.9
W52A	Loudon	55.71 345	eP	P	22 00 55.3	-0.8
Y56A	comp=Z,25nm,0.8s	55.71 345	eP	P	22 00 55.3	-0.8
W52A	Loudon	55.71 341	P	P	22 00 55.1	-1.1
Y56A	baz=162,SNR=9.6	55.71 343	P	P	22 00 55.9	-0.9
W52A	X46A	55.77 345	P	P	22 00 56.0	-0.5
Y56A	Booneville	55.84 348	P	P	22 00 56.8	-0.3
W52A	W48A	55.84 347	P	P	22 00 56.4	-0.7
Y56A	Pulaski	55.84 350	P	P	22 00 56.5	-0.5
W52A	comp=Z,40nm,1.2s	55.84 347	P	P	22 00 56.4	-0.7
Y56A	Nelsons Funny	55.85 347	P	P	22 00 56.5	-0.5
W52A	Fall Branch	55.85 340	eP	P	22 00 57.2	-0.4
Y56A	baz=165,SNR=12	55.94 340	eP	P	22 00 57.2	-0.4
W52A	Hurt	55.94 340	eP	P	22 00 57.2	-0.4
Y56A	baz=168,SNR=12	55.94 340	eP	P	22 00 57.2	-0.4
W52A	OXF	55.94 340	eP	P	22 00 57.3	-0.4
Y56A	comp=Z,52nm,1.1s	55.94 340	eP	P	22 00 57.3	-0.4

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OXF	comp=Z,53nm,1.1s	55.94 340	P	P	22 00 56.5	-1.2
T56A	Oxford	56.00 350	P	P	22 00 58.2	0.0
U52A	Rocky Mt	56.00 346	P	P	22 00 57.7	-0.8
W47A	Thorn Hill	56.06 342	P	P	22 00 57.7	-0.9
V49A	Westpoint	56.07 344	P	P	22 00 57.8	-0.8
U51A	baz=164,SNR=10	56.18 346	P	P	22 00 58.6	-0.8
W46A	baz=163,SNR=11	56.18 341	P	P	22 00 58.0	-1.5
T55A	La Follette	56.23 346	eP	P	22 00 59.9	+0.2
TZTN	Michie	56.23 346	eP	P	22 00 59.1	-0.7
TZTN	comp=Z,19nm,0.8s	56.23 346	P	P	22 00 59.0	-0.8
BLA	Tazewell	56.25 349	eP	P	22 01 00.0	0.0
BLA	Blackburg	56.25 349	eP	P	22 01 00.0	0.0
BLA	comp=Z,18nm,0.8s	56.25 349	eP	P	22 00 59.8	-0.2
BLA	Blackburg	56.27 352	P	P	22 00 59.1	-1.0
V48A	Poland Farm, P	56.29 343	eP	P	22 00 59.6	-0.6
V48A	Smith Brothers	56.29 343	eP	P	22 00 59.6	-0.6
T54A	baz=163,SNR=12	56.31 348	P	P	22 01 00.0	-0.4
U50A	Jamestown	56.41 345	P	P	22 01 00.3	-0.8
T53A	Wise	56.43 347	P	P	22 01 00.8	-0.5
WLAR	baz=165,SNR=30	56.50 336	eP	P	22 01 03.0	+1.2
S57A	Dark Hollow, R	56.55 351	P	P	22 01 01.6	-0.4
V47A	Nunnely	56.57 342	P	P	22 01 01.0	-1.2
R58B	Mineral	56.59 352	eP	P	22 01 01.6	-0.7
R58B	Mineral	56.59 352	eP	P	22 01 01.6	-0.7
T52A	Hallie	56.65 347	P	P	22 01 02.1	-0.7
JCT	Junction City	56.71 328	eP	P	22 01 04.5	+1.1
V46A	Holladay	56.72 342	P	P	22 01 01.6	-1.6
T51A	Gray	56.72 346	P	P	22 01 02.6	-0.6
R59A	baz=163,SNR=13	56.73 353	P	P	22 01 02.7	-0.6
U49A	Red Boiling Sp	56.74 344	P	P	22 01 02.5	-0.9
S55A	Lewisburg	56.81 349	P	P	22 01 04.0	+0.1
WHTX	Lake Whitney,	56.85 331	eP	P	22 01 05.1	+0.8
WHTX	Lake Whitney,	56.85 331	eP	P	22 01 04.6	+0.3
R58A	Rapidan	56.94 352	P	P	22 01 04.2	-0.5
U48A	Cassie Pea, Po	56.94 344	P	P	22 01 04.2	-0.6
WVT	Waverly	56.94 342	eP	P	22 01 03.7	-1.1
WVT	Waverly	56.94 342	eP	P	22 01 03.7	-1.1
WVT	comp=Z,45nm,0.6s	56.94 342	P	P	22 01 03.7	-1.1
T50A	Nancy	56.99 345	P	P	22 01 04.2	-1.0
R57A	Stanardsville	57.01 351	P	P	22 01 05.1	-0.2
S53A	Williamson	57.02 348	P	P	22 01 04.8	-0.9
U47A	Clayton	57.08 343	P	P	22 01 04.8	-0.9
X40A	Basin Creek Fa	57.11 337	eP	P	22 01 07.8	+1.8
X40A	Basin Creek Fa	57.11 337	eP	P	22 01 07.3	+1.3
UALR	University of	57.18 338	eP	P	22 01 06.6	+0.1
S52A	Salysville	57.22 347	P	P	22 01 06.6	-0.8
T49A	Edmonton	57.24 345	P	P	22 01 06.2	-0.7
T49A	Edmonton	57.24 345	P	P	22 01 06.2	-0.7
R55A	Matton	57.24 350	P	P	22 01 07.2	+0.3
U46A	Springville	57.26 342	P	P	22 01 06.0	-1.1
S51A	Beattyville	57.29 347	P	P	22 01 06.6	-0.7
S51A	Beattyville	57.29 347	P	P	22 01 06.3	-0.9
R54A	Victor	57.29 349	P	P	22 01 07.1	-0.1
MIAR	Mount Ida	57.44 336	eP	P	22	

N54A	Moraine State	59.84	351	P	P	22 01 24.9	0.0
O49A	Covington	59.90	347	eP	P	22 01 24.3	-0.9
O49A	Covington	59.90	347	P	P	22 01 24.2	-1.1
OK023	East Waterloo	59.90	334	eP	P	22 01 24.8	-0.6
KSPA	Keystone Colle	59.91	354	eP	P	22 01 24.9	-0.4
N52A	McGinn's Farm,	59.97	349	P	P	22 01 25.2	-0.6
BRVW	Bryant College	60.01	358	eP	P	22 01 25.8	-0.2
R41A	Rosebud	60.03	340	P	P	22 01 25.7	-0.5
P46A	Rosedale	60.04	344	P	P	22 01 24.9	-1.4
P45A	Graceland, Par	60.09	344	eP	P	22 01 25.6	-1.0
P45A	Graceland, Par	60.09	344	P	P	22 01 25.2	-1.4
O48A	Farmland	60.14	346	P	P	22 01 25.9	-1.1
M55A	Ridgway	60.16	352	P	P	22 01 26.8	-0.3
N51A	Ashland	60.20	349	eP	P	22 01 26.7	-0.7
N51A	Ashland	60.20	349	P	P	22 01 26.5	-0.8
N50A	Nevada	60.21	348	P	P	22 01 26.4	-1.0
P44A	Sand Creek, Wi	60.28	343	P	P	22 01 26.7	-1.2
M54A	Oil Creek Stat	60.32	351	eP	P	22 01 28.1	-0.2
M54A	Oil Creek Stat	60.32	351	P	P	22 01 28.0	-0.2
Q42A	Golden Eagle	60.33	341	P	P	22 01 27.7	-0.6
O47A	Sheridan	60.36	345	P	P	22 01 27.3	-1.2
QUA2	Belchertown	60.40	357	eP	P	22 01 28.3	-0.4
M53A	WI Miller and	60.41	350	P	P	22 01 28.6	-0.2
WES	Weston	60.47	358	eP	P	22 01 28.9	-0.2
WES	Weston	60.47	358	eP	P	22 01 28.9	-0.2
ALLY	Alegheny Colle	60.53	351	eP	P	22 01 28.9	-0.7
BINY	Binghamton	60.56	354	eP	P	22 01 29.7	-0.1
BINY	Binghamton	60.56	354	P	P	22 01 29.7	-0.1
N49A	Columbus Grove	60.57	347	eP	P	22 01 29.1	-0.7
N49A	Columbus Grove	60.57	347	P	P	22 01 29.1	-0.7
M51A	Elyria	60.57	349	P	P	22 01 29.3	-0.5
MNTX	Cornudas Mount	60.59	325	eP	P	22 01 30.2	0.0
MNTX	Cornudas Mount	60.59	325	P	P	22 01 29.9	-0.4
HRV	Adam Dzewonsk	60.59	358	eP	P	22 01 29.8	-0.2
HRV	Adam Dzewonsk	60.59	358	eP	P	22 01 29.8	-0.2
HRV	Adam Dzewonsk	60.59	358	eP	P	22 01 29.7	-0.3
HRV	Adam Dzewonsk	60.59	358	eP	P	22 01 29.7	-0.3
M52A	Chesterland	60.62	350	P	P	22 01 29.7	-0.5
N48A	Decatur	60.69	346	P	P	22 01 29.7	-1.0
P43A	Skaggs, Pawnee	60.70	342	P	P	22 01 29.7	-1.0
SFIN	Lafayette	60.73	345	eP	P	22 01 29.5	-1.4
SFIN	Lafayette	60.73	345	P	P	22 01 29.4	-1.5
O45A	Potomac	60.77	344	P	P	22 01 29.7	-1.5
M50A	Fremont	60.80	348	eP	P	22 01 30.9	-0.4
M50A	Fremont	60.80	348	P	P	22 01 30.8	-0.6
L55A	Hinsdale	60.82	352	P	P	22 01 31.3	-0.3
L53A	Girard	60.85	351	P	P	22 01 31.4	-0.3
N47A	Urbana	60.86	346	P	P	22 01 30.6	-1.2
O44A	Mansfield	60.88	343	P	P	22 01 30.3	-1.6
TRY	Troy	60.91	356	eP	P	22 01 32.5	+0.4
ERPA	Erie	60.97	351	eP	P	22 01 32.3	-0.2
ERPA	Erie	60.97	351	P	P	22 01 32.4	-0.2
L54A	Sinclairville	60.99	352	P	P	22 01 32.6	-0.1
MSTX	Muleshoe	61.01	328	eP	P	22 01 33.3	+0.3
MSTX	Muleshoe	61.01	328	P	P	22 01 33.0	-0.1
M49A	Liberty Center	61.05	347	P	P	22 01 32.2	-0.9
PLIO	Pelée Island,	61.05	349	P	P	22 01 32.3	-0.8
N46A	Monticello	61.12	345	P	P	22 01 32.3	-1.3
M48A	Edgerton	61.22	347	eP	P	22 01 32.7	-1.5
M48A	Edgerton	61.22	347	P	P	22 01 33.2	-1.1
O43A	Sugar Creek Fa	61.23	343	P	P	22 01 32.9	-1.4
N45A	Kentland	61.27	344	P	P	22 01 33.1	-1.5
MMNV	Mt. Morris Dam	61.30	353	eP	P	22 01 34.4	-0.4
M47A	Perry	61.30	346	P	P	22 01 33.9	-0.9
K55A	Perry	61.31	353	P	P	22 01 34.3	-0.5
L50A	Kingsville	61.37	349	P	P	22 01 34.1	-1.1
O42A	Bath	61.37	342	P	P	22 01 34.1	-1.2
N44A	Piper City	61.39	344	P	P	22 01 33.8	-1.5
HDIL	Hopedale	61.48	343	eP	P	22 01 34.9	-1.1
HDIL	Hopedale	61.48	343	P	P	22 01 34.8	-1.2
M46A	Old House Fiel	61.52	346	eP	P	22 01 35.4	-0.9
M46A	Old House Fiel	61.52	346	P	P	22 01 35.0	-1.2
O41A	Passleys Farm,	61.54	341	P	P	22 01 35.2	-1.2
SRIG	Santa Rosalia	61.56	316	eP	P	22 01 37.0	+0.2
ACCN	Adirondack Com	61.56	356	eP	P	22 01 36.5	-0.1
L49A	Milan	61.62	348	P	P	22 01 36.0	-0.9
M45A	Bollermakers S	61.72	345	P	P	22 01 36.0	-1.6
K52A	Tillsburg	61.73	351	P	P	22 01 36.8	-0.8
AAM	Ann Arbor	61.78	348	eP	P	22 01 37.3	-0.7
AAM	Ann Arbor	61.78	348	eP	P	22 01 37.3	-0.7
AAM	Ann Arbor	61.78	348	P	P	22 01 37.2	-0.8
MEDO	Medina	61.79	352	P	P	22 01 37.4	-0.6
L47A	Sherwood	61.79	347	P	P	22 01 37.0	-1.1
K51A	Iona Station	61.80	350	P	P	22 01 37.4	-0.7

N43A	Stutzman Famil	61.80	343	P	P	22 01 37.2	-0.9
J55A	Hilton	61.81	353	P	P	22 01 37.5	-0.6
HNH	Hanover	61.82	358	eP	P	22 01 38.7	+0.5
TYNO	Tyneside	61.91	351	P	P	22 01 38.4	-0.4
J54A	Appleton	61.92	352	P	P	22 01 38.3	-0.5
M44A	Midewin, Midew	61.92	344	eP	P	22 01 37.5	-1.4
M44A	Midewin, Midew	61.92	344	P	P	22 01 37.5	-1.4
STCO	Saint Catharin	61.92	352	P	P	22 01 38.6	-0.3
N41A	Harden Midland	62.07	342	eP	P	22 01 39.4	-0.6
N41A	Harden Midland	62.07	342	P	P	22 01 38.9	-1.0
L46A	Eue Claire	62.08	346	P	P	22 01 38.6	-1.4
J52A	Paris	62.14	351	P	P	22 01 39.9	-0.5
NCB	Newcomb	62.18	356	eP	P	22 01 40.3	-0.3
M43A	Waltham Townsh	62.21	343	P	P	22 01 39.7	-1.2
K49A	Clarkson	62.21	348	P	P	22 01 39.7	-1.2
LBNH	Lisbon	62.34	358	eP	P	22 01 42.1	+0.5
LBNH	Lisbon	62.34	358	eP	P	22 01 42.2	+0.5
LBNH	Lisbon	62.34	358	eP	P	22 01 41.8	+0.1
K48A	Perry	62.36	348	P	P	22 01 40.9	-1.0
PECO	Priest Edward	62.38	354	P	P	22 01 41.3	-0.6
K47A	Vermontville	62.41	347	P	P	22 01 41.1	-1.2
ACTO	Acton	62.44	351	P	P	22 01 41.8	-0.6
M42A	Sheffield	62.44	343	P	P	22 01 41.3	-1.2
N40A	Mertquake, Sal	62.45	341	P	P	22 01 41.6	-0.9
VT1	Waterbury	62.46	357	eP	P	22 01 42.5	0.0
DRWO	Darlington Wes	62.52	352	P	P	22 01 42.6	-0.3
DRCO	St. Marys Ceme	62.52	350	P	P	22 01 42.5	-0.4
WLVO	Wesleyville	62.53	353	P	P	22 01 42.4	-0.5
121A	Cocoma Peak, D	62.55	324	P	P	22 01 44.6	+1.0
319A	Douglas	62.56	322	eP	P	22 01 45.2	+1.6
I53A	Kortright Cn E	62.59	352	P	P	22 01 42.9	-0.4
KSU1	Kansas State U	62.59	336	eP	P	22 01 43.5	0.0
KSU1	Kansas State U	62.59	336	P	P	22 01 43.0	-0.5
M41A	Milan	62.59	342	P	P	22 01 42.3	-1.2
K46A	Dorr	62.60	346	P	P	22 01 41.9	-1.5
WVL	Waterville	62.62	360	eP	P	22 01 43.9	+0.4
L44A	Lake County Fo	62.63	345	P	P	22 01 42.3	-1.3
PKRO	Pickering	62.65	352	P	P	22 01 43.4	-0.4
J49A	Marlette	62.71	349	P	P	22 01 43.0	-1.2
I55A	Frankford	62.73	353	P	P	22 01 43.8	-0.5
J48A	Bridge Port	62.77	348	P	P	22 01 43.8	-0.8
I51A	Listowel	62.78	351	P	P	22 01 44.0	-0.6
EMMW	East Machias	62.79	2	eP	P	22 01 44.8	+0.2
L43A	Garden Prairie	62.85	344	P	P	22 01 44.3	-0.8
LONY	Lake Ozonia	62.85	356	eP	P	22 01 44.4	-0.8
LONY	Lake Ozonia	62.85	356	P	P	22 01 44.9	-0.2
I52A	Sheburne	62.91	351	P	P	22 01 45.2	-0.3
HAL	Halifax	62.91	5	eP	P	22 01 45.5	+0.1
HAL	Halifax	62.91	5	eP	P	22 01 45.5	+0.1
M40A	Post Highland	62.91	341	P	P	22 01 44.5	-1.1
J47A	Sumner	62.92	347	P	P	22 01 44.6	-0.9
L42A	Oliver, Polo	62.93	343	eP	P	22 01 45.1	-0.5
L42A	Oliver, Polo	62.93	343	P	P	22 01 44.7	-0.9
H56A	Elgin	62.96	354	P	P	22 01 45.4	-0.4
FRNY	Flat Rock	63.01	357	eP	P	22 01 46.0	-0.1
H55A	Tweed	63.01	354	P	P	22 01 45.7	-0.4
DELO	Deloro Mine	63.02	353	P	P	22 01 45.7	-0.5
BASO	Ashfield	63.08	350	P	P	22 01 46.2	-0.5
BWLO	Walkerton	63.10	351	P	P	22 01 46.3	-0.5
BNM	Barnes Site	63.14	326	eP	P	22 01 48.9	+1.4
VNA3	Neumayer Olymp	63.17	162	P	P	22 01 48.1	+1.2
J46A	Howard City	63.20	347	P	P	22 01 46.2	-1.2
I49A	Point Hope	63.21	349	P	P	22 01 46.5	-0.9
GGN	Saint George	63.21	2	eP	P	22 01 48.2	+0.8
K43A	Burlington	63.23	344	eP	P	22 01 46.8	-0.8
K43A	Burlington	63.23	344	P	P	22 01 46.6	-1.0

27d 21h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like D54A Lac Fushel, D52A ZEK Kipawa Sen, H40A Chili, etc.

2015 APR

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like O20A White River Ci, KNB Kanab, KNB Kanab, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like BOZ Bozeman (W), MCMT McKenzie Canyo, BEKR Beckworth, etc.



27d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, QSPA South Pole Qui, USP Oshpenka, etc.

27d 22:09:11.8, 9.2, 3.0335x179.26E, h554km, 75km, mb3.3/5, mb1 3.5/6, mb1mx3.0/40, mbtmp4.4/6, Error ellipse: s-maj=107.4km s-min=30.1km az=46.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URZ Urewera, CTA Charters Tower, STKA Stephens Creek, etc.

27d 22:28:39.8-11.0, 15.28S-173.68W, h0km, mb3.6/2, mb1 3.9/2, mb1mx3.5/38, mbtmp3.6/2, Error ellipse: s-maj=531.3km s-min=60.5km az=140.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, BRTR Keskin Array B, etc.

27d 22:33:28.2-0.7, 23.72S-65.67W, h10km, 9km, ML3.0, MWV.1, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HJA Humahuaca, AZAP Zapla, SLA San Lorenzo, etc.

27d 22:34:35.8, 1.4, 30.08N-102.94E, h0km, mb3.6/6, mb1 3.7/7, mb1mx3.4/44, mbtmp3.5/7, MS3.0/1, Ms1 3.0/1, ms1mx2.4/44, Error ellipse: s-maj=41.6km s-min=23.1km az=50.0

27d 22:34:38.0, 30.20N-102.95E, h14km, ML3.4/16, Ms3.3/4, Ms2.3/3

27d 22:34:37.0-0.7, 30.22N-103.07E, h10km, n14, c2508/19, mb3.5/6, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CD2 Chengdu, KMI Kunming, LZH Lanzhou, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKTO Aktyubinsk, WRA Warramunga Arr, YKA Yellowknife Arr, etc.

27d 22:58:07.9-0.9, 52.00N-173.21W, h0km, mb3.7/8, mb1 4.0/10, mb1mx3.6/56, mbtmp3.7/10, ML3.5/2, Error ellipse: s-maj=44.4km s-min=16.7km az=154.0

27d 22:58:17.5-1.3, 52.12N-173.21W, h0km, h74km, 11km, n40, c0924/2, mb3.7/8, Andean Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOPF Korovin Flat P, KOSE Korovin Southie, ATKA Atka Island, etc.

27d 23:06:49.4-2.5, 26.74N-65.97E, h10km, ML3.4, 27d 23:06:54.7-2.3, 26.86N-0.09, 66.7E-0.2, h8km, n10, c1876/15, Pakistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BHJ Bhuj, THW Thame Wali, CEP Cherat, etc.

27d 23:07:30.9-1.9, 9.37N-84.06W, h28km, 4km, MD3.9, 5C-1D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EDDO Dominical, LCR2 La Lucha 2, EDLM Las Mercedes, etc.

27d 23:24:15.2, 34.03N-25.07E, h20km, 1km, ML3.4/12, Error ellipse: s-maj=1.9km s-min=1.1km az=355.0

27d 23:24:16.0, 1.0, 34.24N-25.09E, h0km, mb3.8/12, mb1 4.0/18, mb1mx3.8/50, mbtmp3.8/18, ML4.0/6, MS2.8/2, Ms1 2.8/2, ms1mx2.4/54, Error ellipse: s-maj=18.5km s-min=16.0km az=37.0

27d 23:24:18.4, 34.23N-25.02E, h0km, 1km, ML3.3/7, Error ellipse: s-maj=2.2km s-min=0.7km az=178.0

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SIVA Sivas, TMBK Timbaki Herakl, TMBK Lasithi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Zeytinkoy-Aydi, Balocva, Kalavryta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like baz=350, EOST, EOST, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 4.4nm,0.3s,baz=319,slow=11,SNR=11, etc.

SJA 27 23:27:31.9i-1.1, 29°23'S, 71°34'W, h14km, gkm, ML2.6, MW3.5, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Las Campanas, Tololo Observa, etc.

TAP 27 23:28:20.6, 24°11'N, 121°69'E, h35km, ML2.5, 4C-1D, C, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chiawan, NACB, NACB, etc.

JMA 27 23:28:53.4, 0.2, 24°83'N, 123°30'E, h28km, M1.5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YON, YON, YON, etc.

BUI 27 23:31:05.3, 9°36'S, 140°13'E, h80km, mb4.8/51, mB4.9/31, mb4.7/12, Ms7.4/512

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GENI, GENI, GENI, etc.

MPSI 27 23:28:20.6, 24°11'N, 121°69'E, h35km, ML2.5, 4C-1D, C, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mapaga, AS31, ASAR, etc.



27d 23h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Kunming, Vladivostok, Xian, etc.

2013 APR

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Garm, Sand Point, Karatay Array, etc.

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Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Inuyama, Erimo, Asahikawa, etc.

NIED 27 23:54:00, 36° 70'N, 142° 30'E, h17km, Mw4.6 Best double couple: M=8.13000+0.015, N=13.200+0.000, P=16.000+0.000, 1.88, 0.0000, NP2=27.00000, 87.4, 0.0000, 1.91, 0.00000. JMA 27 23:54:20.1, 0.3, 36.75N, 142.23E, h34km, M4.7. JMA Felt 1 J1. BUJ 27 23:54:21.1, 36.52N, 142.04E, h33km, mb5.0/55, mb4.9/42, Ms4.4/50, Ms7.4/347. IDC 27 23:54:23.4, 1.8, 36.65N, 142.21E, h40km, mb4.3/32, mb1.4/4/38, mb1mx4.3/53, mbmt4.5/38, MS4.0/26, Ms1.4/0/26, ms1mx3.8/45, Error ellipse: s-maj=11.5km s-min=9.6km az=113.0. MOS 27 23:54:23.8, 0.9, 37.13N, 142.06E, h35km, mb5.1/38, Error ellipse: s-maj=7.5km s-min=4.3km az=112.7. NEIC 27 23:54:24.0, 0.5, 36.77N, 142.06E, h41km, mb4.7/138, Error ellipse: s-maj=4.8km s-min=2.9km az=152.0. NEIC Recorded [1 JMA] in Fukushima. ISC 27 23:54:22.5, 0.5, 36.80N, 142.16E, 0.04, h29km, 3km, h29km, pp-P, n426, e1934/452, mb4.8/217, MS4.3/44, 37C-17D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ONAJ, JFK, JHO, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like YHNB, NACB, SSSL, etc.





Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like GUID, KORR, LSNR, ARNR, NEY, STDR, NCK, VLKR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like GOF, KOPR, GANJ, KRIK, GUZR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like BUTP, BESP, OCLP, LLLP, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Akyaka, Batumi, Kars, Horasan, Koprucopruy-ERZUR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YONAGUNI jima, YONAGUNI jima, YONAGUNI jima, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GTA, GTA, GTA, etc.

JMA 28 00:52:55.9.0.1, 241.90N, 123.38E, h25km, M3.3
IDC 28 00:53:06.4.6.3, 24.90N, 123.33E, h100km, 61km, mb3.3/6, mb1.3/5.7, mb1mx3.2/35, mbtmp3.6/7, ML3.5/1, MS3.2/6, Ms1.3/2.6, ms1mx3/0.16, Error ellipse: s-maj=40.9km s-min=18.0km az=76.0

ISC 28 00:52:55.2.1.8, 24.91N, 123.40E, h100km, 13km, n20, c1s25/23, mb3.7/6, MS3.3/3, Southwestern Ryukyu Islands

comp=Z,7.0nm,1.0s
GTA comp=Z,130nm,7.9s pmax pmax
GTA comp=Z,350nm,15.2s LR LR
GTA comp=Z,360nm,14.3s LR LR

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YONAGUNI jima, YONAGUNI jima, YONAGUNI jima, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YONAGUNI jima, YONAGUNI jima, YONAGUNI jima, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SIBU, SRDT, KLR, etc.

KRSC 28 01:12:45.9.10.0, 55.29N, 162.62E, h65km, 10km, ML3.6, Near east coast of Kamchatka Peninsula

Code Station Name Az Phase ID Time Res

comp=Z,2.39nm,14.0s 24.73 207 eP P 01 29 27.8 -0.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KBTR, KBG, BZGR, TUMD, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YONAGUNI jima, YONAGUNI jima, YONAGUNI jima, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SIBU, SRDT, KLR, etc.

NIED 28 01:24:00.24.90N, 123.30E, h5km, Mw4.3 Best double couple: M3.50000, 1015 NP1.3, 278.00000, 843.00000, 1-39.00000, NP2.3, 39.00000, 564.00000, 1-126.00000
BUJ 28 01:24:04.1, 24.51N, 123.43E, h10km, mb4.4/37, mb4.7/24, Ms4.5/30, Ms7.4/30
JMA 28 01:24:05.7, 0.2, 24.94N, 123.28E, h11km, 4km, M4.9
MOS 28 01:24:06.1, 1.2, 24.81N, 123.33E, h16km, mb4.6/20, Error ellipse: s-maj=12.2km s-min=6.4km az=116.3
NEIC 28 01:24:08.9, 1.3, 24.78N, 123.21E, h21km, 9km, mb4.4/16, Error ellipse: s-maj=7.2km s-min=5.6km az=97.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HIA, HIA, HIA, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SIBU, SRDT, KLR, etc.







0.4nm,0.4s,baz=98,slow=8.8,SNR=6.6  
**KURSB** **Kurchatov Arra** 62.88 322 P P 03 08 43.1 -0.5  
 0.5nm,0.6s,baz=104,slow=6.9,SNR=6.0  
**BVAR** **Borovoye Array** 68.36 323 P P 03 09 18.6 -0.4  
 0.9nm,0.2s,baz=99,slow=6.2,SNR=5.6  
**ILAR** **Eielsen Array** 73.42 25 P P 03 09 49.2 -0.3  
 0.1nm,0.7s,baz=238,slow=5.2,SNR=3.2

TUL 28 03:06:42.2,0.34:14N:96:81W,h5km,ML3.5  
 ANF 28 03:06:42.0,0.4,34:17N:96:83W,h5km,ML4.1/14,Error  
 ellipse: s-maj=0.1km s-min=0.3km az=127.0  
 NEIC 28 03:06:42.2,0.0,34:14N:96:81W,h5km,ML3.5(TUL),  
 After TUL  
 NEIC Felt (V) at Madill and (III) at Mannville, Mill Creek and  
 Tishomingo. Also felt at Ardmore, Blanchard, Jones,  
 Oklahoma City and Shawnee. Felt at Greenville, Texas.  
 IDC 28 03:06:42.2,0.3,34:33N:96:90W,h0km,mb3.4/1,  
 mb1 3.6/5,mb1mx3.4/9,mbtmp3.3/5,ML3.3/4,Error  
 ellipse: s-maj=36.3km s-min=12.2km az=116.0  
 ISC 28 03:06:42.0,0.6,34:18N:03:96:83W-0.03,h10km,n91,  
 n172/112,Oklaohama

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
X37A	Clayton	1.27	71	eP	03 07 05.3	-0.5
X37A				eS	03 07 22.6	+0.1
OK023	East Waterloo	1.57	350	eP	03 07 09.9	-0.1
OK023				eS	03 07 32.6	+0.4
WMOK	Wichita Mounta	1.71	290	eP	03 07 11.3	-0.6
WMOK				eS	03 07 36.0	+0.9
WMOK	Wichita Mounta	1.71	290	P	03 07 12.2	+0.3
TUL1	Leonard	1.93	26	eP	03 07 14.9	+0.1
TUL1				S	03 07 15.5	+1.5
TUL1	Leonard	1.93	26	P	03 07 15.3	+0.4
TUL1				S	03 07 40.7	+1.5
WHTX	Lake Whitney,	2.24	194	eP	03 07 20.0	+0.9
WHTX	Lake Whitney,	2.24	194	P	03 07 20.1	+0.9
WHTX				Sb	03 07 51.9	-2.1
W39A	Magazine	2.71	67	eP	03 07 26.8	+1.2
W39A	Magazine	2.71	67	P	03 07 25.9	+0.4
W39A				S	03 08 00.4	+2.0
MIAR	Mount Ida	2.71	81	eP	03 07 26.6	+0.9
MIAR				eSg	03 08 05.9	+1.9
MIAR	Mount Ida	2.71	81	P	03 07 26.7	+1.1
ABTX	Abilene, Hawle	2.82	237	eP	03 07 27.9	+0.8
ABTX	Abilene, Hawle	2.82	237	P	03 07 27.8	+0.6
ABTX				S	03 08 02.9	+1.7
NATX	Nacogdoches	3.02	142	eP	03 07 30.2	+0.4
NATX	Nacogdoches	3.02	142	P	03 07 30.1	+0.3
WLAR	White Oak Lake	3.13	98	eP	03 07 32.1	+0.8
HHAR	Hobbs	3.16	48	eP	03 07 31.8	+0.8
X40A	Basin Creek Fa	3.32	83	eP	03 07 34.9	+0.9
435B	Jarrell	3.44	191	eP	03 07 35.8	+0.1
435B	Jarrell	3.44	191	Pb	03 07 44.3	+1.2
Z41A	Richard Creek	3.48	104	eP	03 07 37.1	+1.0
Z41A	Richard Creek	3.48	104	P	03 07 36.7	+0.6
Z41A				S	03 08 19.6	+2.2
UALR	University of	3.75	80	eP	03 07 41.5	+1.6
WHAR	Woolly Hollow	3.90	72	eP	03 07 42.6	+0.6
W41B	Gary Mavity, V	3.90	74	eP	03 07 42.5	+0.6
W41B	Gary Mavity, V	3.90	74	P	03 07 43.4	+1.4
W41B				Sb	03 08 41.6	+3.4
U40A	Yellville	3.91	55	P	03 07 43.3	+1.2
U40A				Sb	03 08 42.3	+3.9
AMTX	Amarillo	4.07	281	eP	03 07 45.2	+0.8
AMTX	Amarillo	4.07	281	P	03 07 46.4	+2.0
CCAR	Cane Creek	4.20	92	eP	03 07 47.2	+1.1
HKT	Hockley	4.30	168	eP	03 07 48.7	+1.0
JCT	Junction City	4.46	215	eP	03 07 50.3	+0.5
JCT	Junction City	4.46	215	P	03 07 50.7	+1.0
U41A	Viola	4.56	60	P	03 07 51.6	+0.6
U41A				Sb	03 09 02.2	+5.1
KSU1	Kansas State U	4.92	2	eP	03 07 55.6	-0.4
KSU1				eS	03 08 51.8	+1.2
X43A	Marvell	4.93	84	eP	03 07 53.8	+2.9
MSTX	Muleshoe	4.94	269	eP	03 07 56.5	+0.1
CBKS	Cedar Bluff	5.19	334	eP	03 07 59.6	-0.1
CBKS				eSg	03 08 17.9	+5.0
CBKS				eS	03 09 24.0	-4.6
HHAR	Harrisburg	5.25	73	eP	03 08 18.9	-3.9
PBMO	Poplar Bluff	5.83	62	eP	03 08 26.1	+2.4
CCM	Cathedral Cave	5.95	48	eP	03 08 09.7	-0.4
CCM				eS	03 09 18.1	-0.3
CCM				eSg	03 09 47.6	-5.3
CPRX	Cap Rock	5.99	261	eP	03 08 11.1	+0.3
CLNB	Carlsbad	6.21	254	eP	03 08 17.7	+0.1
CLNB				eP	03 08 39.8	-1.2
833A	Chaparral WMA,	6.23	201	eP	03 08 14.9	+0.9
FVM	French Village	6.43	52	eP	03 08 17.4	+0.8
GLAT	Glass	6.51	69	eP	03 08 17.9	0.0
GD12	Guadalupe Moun	6.62	255	eP	03 08 18.9	-0.6
KSCO	Kaye Shedlock	6.71	318	eP	03 08 20.0	0.0
KSCO				eP	03 08 45.0	+6.1
T25A	Trinidad	6.84	298	eP	03 08 22.9	+0.2
BGNE	Belgrade	7.30	352	eP	03 08 28.0	-0.7
BGNE				eP	03 08 56.3	-5.3
TXAR	Lajitas Array	7.56	232	P	03 08 33.3	+0.9
TXAR				S	03 09 59.0	+0.8
TXAR				Lg	03 10 35.3	
TX31	Lajitas Ar. Si	7.56	232	eP	03 08 32.3	-0.1
MNTX	Cornudas Mount	7.60	253	eP	03 08 33.1	+0.2
SDCO	Great Sand Dun	7.88	299	eP	03 08 36.5	-0.5
OGNE	Ogallala	7.92	330	eP	03 08 37.8	+0.5
OGNE				eP	03 09 08.5	-5.1
ANMO	Albuquerque	7.98	278	P	03 08 40.5	+2.3
ANMO				P	03 09 05.1	+4.6
ANMO				Lg	03 10 48.6	
ANMO	Albuquerque	7.98	278	eP	03 08 38.7	+0.5
ANMO				eP	03 09 05.3	+4.8
ANMO				Lg	03 10 48.6	
N41A	Harden Midland	8.06	34	eP	03 08 38.7	-0.4
BNM	Barren Site	8.12	273	eP	03 08 40.5	+0.3
Q24A	Divide	8.22	308	eP	03 08 41.5	-0.2
SCIA	State Center	8.23	19	eP	03 08 41.3	-0.1
T47A	Sharon Grove	8.40	68	eP	03 08 43.9	+0.1
LENM	Lemitar	8.41	273	eP	03 08 41.9	+2.4
LENM				eP	03 09 15.7	+7.9
LAZ	Ladron	8.54	274	eP	03 08 44.2	-1.6
LAZ				eP	03 09 17.2	-8.3
HDIL	Hopedale	8.74	41	eP	03 08 48.4	-0.1
ISCO	Idaho Springs	8.99	311	eP	03 08 51.5	-0.6
L40A	Anamosa	9.03	28	eP	03 08 52.0	-0.3
P45A	Graceland, Par	9.03	51	eP	03 08 52.8	+0.5
Z50A	Ashland	9.13	93	eP	03 08 54.5	+0.7
LNIG	Linares	9.53	195	eP	03 08 57.7	-1.6
ECSD	EROS Data Cent	9.55	1	eP	03 08 58.6	-0.8
L42A	Oliver, Polo	9.64	34	eP	03 09 00.4	-0.3
N25A	Red Feather La	9.87	315	eP	03 09 01.9	-0.4
JFWS	Jewell Farm	10.13	29	eP	03 09 07.3	-0.2
I39A	Houston	10.51	22	eP	03 09 10.8	-1.8
RSSD	Black Hills	11.39	333	eP	03 09 24.6	-0.3
SPMN	Marine on St.	11.46	14	eP	03 09 24.4	-1.3
H42A	Draeger Farm,	11.48	30	eP	03 09 25.3	-0.7

G40A	Rib Lake	12.19	23	eP	03 09 34.7	-1.0
G42A	Mountain	12.79	28	eP	03 09 42.0	-1.9
F41A	Three Lakes	12.97	25	eP	03 09 44.5	-1.8
G38A	The Farm, Brul	13.05	16	eP	03 09 45.4	-1.9
E43A	Wallace	13.10	30	eP	03 09 45.6	-2.5
PDAR	Pinedale Array	13.14	34	P	03 09 49.5	+0.6
PDAR				Lg	03 13 25.9	
COWI	Conover	13.27	74	eP	03 09 49.0	-1.5
AGMN	Agassiz Nation	14.13	3	eP	03 09 58.5	-3.6
ULM	Lac du Bonnet	16.08	2	P	03 10 23.2	-4.8
ULM				Lg	03 14 51.9	
ULM				Lg	03 14 51.9	
BEKR	Beckworth	19.61	294	eP	03 11 09.3	-1.3
GDKM	Geyssers	21.36	290	eP	03 11 31.2	+1.8
YXMA	Yellowknife Ar	30.48	344	P	03 12 53.7	-1.1
YXMA				Lg	03 14 51.9	

ISK 28 03:08:54.2,41.07N:42:53E,h3km,ML2.6/6  
 TIF 28 03:08:54.1,41.05N:42:56E,h19km,1km  
 DDA 28 03:08:55.4,41.08N:42:51E,h7km,2km,ML2.7  
 ISC 28 03:08:54.1,31.4106N:03:42:55E:0.02,h4km,12km,  
 n19,0:50/31,Turkey-Georgia-Armenia border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
EPOS	Posof	0.47	17	iP	03 09 04.5	-0.4
EPOS				Sb	03 09 12.8	+0.5
DAGI	Agillar	0.48	273	iP	03 09 04.8	-0.4
DAGI				Sb	03 09 13.0	+0.3
DAGI				IAML_P		
comp-Z,1µm,0.2s						
KARS	Kars	0.59	137	Pg	03 09 06.9	-0.2
KARS				SG	03 09 16.6	+0.7
DDEM	Demirkent	0.62	255	iP	03 09 07.2	-0.4
DBAD	Bademkaya	0.65	267	iP	03 09 08.0	0.0
DBAD				Sb	03 09 17.1	-0.4
DBAD				IAML_P		
comp-Z,2µm,0.2s						
DBOC	Borcka	0.72	294	iP	03 09 09.7	+0.4
DBOC				Sb	03 09 19.6	0.0
DBOC				IAML_P		
comp-Z,1µm,0.1s						
BCA	Borcka	0.80	299	Pg	03 09 09.8	-0.8
BGD	Bogdanovka	0.82	75	P	03 09 10.1	+0.2
BGD				Sb	03 09 21.8	-0.8
BATM	Batumi	0.84	311	Pg	03 09 11.1	-0.2
BATM				SG	03 09 23.0	-0.3
BATM	Batumi	0.84	311	P	03 09 11.1	-0.2
BATM				Sb	03 09 22.8	-0.2
KOPR	Kopruckoy-ERZUR	1.19	207	PN	03 09 17.7	0.0
KOPR				SN	03 09 34.9	+0.5
TKB	Tkibuli	1.33	14	P	03 09 19.7	0.0
TKB				S	03 09 38.2	+0.3
AGRB	Hanur-Agry	1.52	167	PN	03 09 23.4	+0.2
ONI	Oni	1.68	24	PN	03 09 25.4	-0.2
ONI				Pg	03 09 26.3	0.0
ONI				Sg	03 09 48.2	+0.2
TBLG	Delisi	1.78	67	PN	03 09 26.7	-0.7
GNI	Gerni	1.90	119	PN	03 09 27.7	-0.8
BAYB	BAYBURT	1.92	246	iP	03 09 30.2	-0.6
BAYB				Sg	03 09 56.6	+1.0
BAYB				IAML_P		
comp-Z,2.23nm,0.2s						
BAYT	Aydintepe-Bayb	1.94	251	PN	03 09 29.3	-0.9

JMA 28 03:14:15.2,0.2,24:80N:122:38E,h1km,2km,ML2.7  
 TAP 28 03:14:15.0,24:89N:122:43E,h25km,ML2.9,B  
 ISC 28 03:14:15.2,0.1,24:85N:03:122:41E:0.02,h15km,9km,  
 n30,0:53/48,Taiwan region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
EOS1	EOS1	0.39	220	P	03 14 24.2	+0.4
EOS1				eS	03 14 31.0	+1.2
TWB1	Santiao Chiao	0.41	292	eP	03 14 23.8	+0.3
TWB1				eS	03 14 30.0	-0.3
TIPB	Shuangxi	0.54	283	eP	03 14 26.1	+0.2
TIPB				eS	03 14 33.4	+0.2
TWC	Suao	0.56	245	eP	03 14 26.5	-0.2
TWC				eS	03 14 34.6	0.0
NWF	Wu-fen Shan	0.61	291	P	03 14 27.6	0.0
NWF				eS	03 14 36.2	+0.2
WFSB	Wu-fen Shan	0.61	291	eP	03 14 27.4	-0.1
WFSB		</				

28d 4h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AZAP, FSA, LVC, YJA, etc.

SKHL 28 03:52:13.1±0.8, 48°59'N, 155°09'E, h1km, mb3.3/3
KRSK 28 03:52:13.1±10.0, 48°71'N, 156°49'E, h6km, 10km, ML3.4
MOS 28 03:52:15.7±1.3, 48°56'N, 155°06'E, h73km, mb4.2/4, Error ellipse: s-maj=23.5km s-min=4.6km az=73.0

IDC 28 03:52:18.5±3.0, 48°92'N, 154°86'E, h75km, 28km, mb3.4/11, mb1 3.8/15, mb1mx3.4/49, mbtmp3.8/15, MS2.8/5, MS1 2.8/5, ms1mx2.6/37, Error ellipse: s-maj=33.8km s-min=13.7km az=134.0

ISC 28 03:52:15.5±1.4, 48°72'N, 155°22'E, 0.1, h50km, 14km, n176, ±165/89, mb3.8/11, IC, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SKR, PAU, KDR, etc.

2013 APR

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PET, DALK, UGLR, etc.

SJA 28 03:56:42.8±0.8, 27°70'S, 66°72'W, h167km, 10km, ML3.0, MW3.5, Catamarca Province

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CYA, AHML, VCA, etc.

IDC 28 03:59:23.1±1.3, 30°21'N, 103°13'E, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.2/43, mbtmp3.4/4, Error ellipse: s-maj=95.6km s-min=24.6km az=60.0, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MKAR, WRA, ASAR, etc.

IDC 28 04:00:32.3±1.4, 38°11'N, 144°65'E, h0km, mb3.4/3, mb1 3.6/5, mb1mx3.4/45, mbtmp3.4/5, ML3.1/2, Error ellipse: s-maj=32.8km s-min=24.5km az=120.0

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like OFUJ, MIYU, JMK, etc.

KRSC 28 04:17:12.1±10.0, 48°95'N, 156°85'E, h6km, 10km, ML3.9, East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SKR, PAU, KDR, etc.

NNC 28 04:32:39.6±5.0, 39°73'N, 69°99'E, h0km, mb3.9, mpv3.4, Error ellipse: s-maj=45.0km s-min=26.0km az=55.0

SOME 28 04:32:44.9, 40°08'N, 70°50'E, h15km

KRNET 28 04:32:44.8±0.1, 40°00'N, 70°36'E, h16km, mb3.2

ISC 28 04:32:43.8±2.0, 39°94'N, 070°30'E, 0.06, h3km, 12km, n20, ±190/74, 19C-6D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BTX, DRK, TAS, etc.

ATH 28 04:37:03.1, 35°77'N, 23°85'E, h23km, 1km, ML3.3/15, Error ellipse: s-maj=1.3km s-min=0.6km az=224.0

THE 28 04:37:03.8, 35°77'N, 23°85'E, h7km, 1km, ML3.5/6, Error ellipse: s-maj=1.1km s-min=0.3km az=219.0

ISK 28 04:37:05.3, 35°68'N, 24°11'E, h14km, ML3.3/18

IDC 28 04:37:07.4±2.1, 35°67'N, 25°14'E, h89km, 12km, mb3.2/3, mb1 3.3/4, mb1mx3.0/38, mbtmp3.6/4, Error ellipse: s-maj=84.2km s-min=23.8km az=109.0

ISC 28 04:37:03.0±5.0, 35°77'N, 02°23'E, 0.02, h17km, 6km, n116, ±192/141, mb3.4/3, Crete

Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CHAN, IMMV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Iera Moni Meta, VAMOS, KERAMOTI, ANKYLAKIA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DRO Drossia, DSF Desfina, ALIK Aikali, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TOAI Torodi Arr, ALIK Aikali, TRAZ Trapeza, etc.

28d 4h

2013 APR

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Table with columns for station name, frequency, power, mode, and signal strength. Includes sub-headers for various stations like LKR, AGG, ATAL, KFL, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KHC, DPC, GOPC, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GEYT, ABKAR, APA, ARU, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BILL, INK, KLR, etc.

IDC 28 05:17:51.1z2.9.23:35:69:08W,h0km,mb3.6/3, mb1.3/7.4,mb1mx3.5/21,mbtm3.5/4,ML3.1/1,Error ellipse: s-maj=68.5km s-min=44.7km az=27.0 SJA 28 05:18:08.2z0.4.22:20:5:66:78W,h115kmz2km,ML2.6, MV4.0

GUC 28 05:18:09.2z0.6.22:18:5:68:90W,h115kmz3km,ML3.4 ISC 28 05:18:09.3z0.9.22:20:5:04:68:82Wz0.05,h113kmz7km, n28,az65/47,7C-1D,Northern Chile

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like LVC, WMO, etc.



28d 6h

Table with columns: HJA, Humahuaca, 3.31 108 i P, Pn, 05 19 00.1 +0.2, 05 19 02.6

NIED 28 05:18:00,37.20N,141.90E,h32km,Mw3.9 Best double couple: M7.27000x10^14 NP1.0x250.00000, 834.00000, lambda=138.00000, NP2.0x124.00000, 868.00000, lambda=63.00000

JMA 28 05:18:54.3,0.2,37.24N,141.94E,h39km,4km,M3.9 Error ellipse: s-maj=17.2km s-min=10.7km az=159.0

Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

MEX 28 05:22:19.9,0.4,18.221N,100.94W,h65km,11km,MD3.8, Guerrero

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

SJA 28 05:50:50.5,0.5,32.44S,71.81W,h56km,16km,ML2.8, MW3.3

GUC 28 05:50:52.8,0.6,32.32S,71.33W,h50km,6km,ML3.1 Error ellipse: s-maj=22.1km s-min=13.9km az=110, h30km,18km, n13, c0.993/23, 1C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

2013 APR

Table with columns: ROCH, comp=N,1000nm,0.3s, IAML, 05 51 21.3

JMA 28 05:50:54.9,0.1,24.01N,122.34E,h49km,3km,M2.1

TAP 28 05:50:55.7,24.12N,122.33E,h51km,ML3.1, C Error ellipse: s-maj=20.9km s-min=11.4km az=154.0, South of Isumbawa Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

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Table with columns: NSTT, Nanjuang, 1.36 294 eP, Pn, 05 51 19.1 +0.8

IDC 28 05:52:10.8,4.0,23.48S,178.72W,h0km,mb4.2/3, mb1 4.5/3, mb1mx3.8/33, mbtmp4.2/3, Error ellipse: s-maj=209.4km s-min=41.4km az=154.0, South of Isumbawa Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

IDC 28 05:54:24.9,1.9,10.02S,118.16E,h0km,mb3.5/3, mb1 3.7/6, mb1mx3.6/46, mbtmp3.7/6, ML3.5/3, Error ellipse: s-maj=73.5km s-min=21.1km az=49.0, South of Isumbawa Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

ISK 28 06:11:36.8,38.78N,42.35E,h12km,ML2.4/8

DDA 28 06:11:36.9,38.83N,42.33E,h7km,3km,ML2.6 Error ellipse: s-maj=37.2km s-min=1.38km az=0.03,42.35E,0.03,h12km,9km, n17, c0.969/25, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

IDC 28 06:16:15.7,0.9,20.37S,67.68E,h0km,mb4.2/10, mb1 4.4/10, mb1mx4.0/44, mbtmp4.2/10, MS3.9/21, Ms1 3.9/21, ms1mx3.8/34, Error ellipse: s-maj=27.2km s-min=21.7km az=55.0

NEIC 28 06:16:17.1,6.2,20.40S,67.83E,h10km,2km,mb4.6/20, Error ellipse: s-maj=18.8km s-min=7.8km az=91.0

GCMT 28 06:16:18.7,0.4,20.44S,0.02,-67.90E,0.02,h21km,1km, MW4.9/73, Moment Tensor Solution. s16,c16; Mw=0.69; 14; Mw=1.01; 26; Best double couple: M3.13000x10^16 NP1.0x138.00000, 872.00000, lambda=21.00000, NP2.0x235.00000, 870.00000, lambda=61.00000 Principal axes: T 3.3560, Plg2.0000, Azm187.0000; N -0.4530, Plg63.0000, Azm280.0000; P -2.9040, Plg27.0000, Azm96.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 28 06:16:18.5,0.5,20.38S,0.09,-67.8E,0.1, h15km,n76, c0.994/56, mb4.5/29, MS4.1/22, Mid-Indian Ridge

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MJAR Matsushiro Arr, MJAR Matsushiro, HNR Honiara, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Severo-Kuril's, Severo-Kuril's, Severo-Kuril's, etc.

MEX 28 06:36:51.6 0.8, 147.11N:92.56W, h82km, 10km, MD3.9, near coast of Chiapas. Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details.

ellipse: s-maj=14.0km s-min=4.3km az=80.1 SKHL 28 06:37:58.2 0.1, 48:72N:156:41E, h41km, 5km, mb4.4/2, IDC 28 06:38:01.9 0.7, 48:92N:156:00E, h45km, 6km, mb3.5/16, mb1 3.8/19, mb1mx3.6/43, mbtp3.8/19, ML3.6/3, MS3.2/3, Ms1 3.2/3, ms1mx2.8/39, Error ellipse: s-maj=20.2km s-min=12.3km az=140.0

ISC 28 06:38:01.7 0.7, 48:87N:106:166:27E, 0:07, h49km, 5km, n96, +126/106, mb3.8/21, 2C-2D, East of Kuril Islands

SJA 28 06:32:37.0 0.6, 31:38S:68:65W, h109km, 5km, ML2.4, MW3.6, San Juan Province

SJA 28 06:32:19.2 0.6, 20:10S:69:22W, h108km, 3km, ML2.9, MW3.4

GUC 28 06:32:22.4 1.7, 20:01S:69:18W, h101km, 2km, ML3.6, IDC 28 06:32:22.4 1.7, 20:01S:68:89W, h171km, 16km, mb3.2/3, mb1 3.4/7, mb1mx3.2/37, mbtp3.7/7, Error ellipse: s-maj=34.6km s-min=14.5km az=103.0

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile

ISC 28 06:32:20.7 0.8, 20:03S:003:69:20W, 0:07, h97km, 6km, n35, +121/47, 2C-4D, Northern Chile





ellipse: s-maj=1.5km s-min=0.7km az=128.0
BEO 28 10:27:11.7, 1.0, 41.80N:25.05E, h0km, ML2.2/5
ISK 28 10:27:11.1, 4.2, 02N:25.51E, h5km, ML2.7/10
ISC 28 10:27:08.9, 1.0, 42.17N:0.02-25.38E, 0.02, h10km, 9km,
n62, 1512/81, 9C, Bulgaria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like DIM Dimitrovgrad, KLD Plovdiv, PDZ Kordzhali, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like ICOR Ion Corvin, BARS Barje, PUNG Punginha, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SJA 28 10:35:27.1, 0.6, 31.49S:68.95W, h108km, 4km, ML2.2, MW3.6, San Juan Province.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like ATH 28 10:45:53.6, 37.73N:22.14E, h17km, 2km, ML1.6/14, Error ellipse: s-maj=2.7km s-min=0.6km az=2.0, Southern Greece.

Table with columns: DRO, AML, AML, Time, Res, ISC. Lists stations like DRO comp=N, 735um, 0.2s, VLX Vlachokerasia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

ICD 28 11:06:52.8, 14.0, 13.16S:167.37E, h143km, 120km, mb3.6/6, mb1 3.8/6, mb1mx3.6/35, mbtmp4.1/4, Error ellipse: s-maj=64.5km s-min=42.8km az=123.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

ICD 28 11:12:43.6, 6.1, 13.73N:92.43W, h0km, mb3.6/2, mb1 3.9/5, mb1mx3.6/35, mbtmp3.5/5, ML3.5/3, MS2.7/3, 1.1m 2/7, ms1mx2.5/35, Error ellipse: s-maj=107.7km s-min=27.5km az=177.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PCIG El Apazole, APG Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like HWQ Hawqa, BHL Bhannes, QASN Qassioun, etc.

STR 28 11:28:05.4, 0.4, 08.48'N, 6.6'W, h9km, 26km, MLv0.6/5, LDG 28 11:28:05.2, 0.0, 48.07N:8.28E, h10km, Mdl.7/2, M11.6/5, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like KIZ Kirchzarten, OPP Oppenu, WLS Welschbruch, etc.

ICD 28 11:29:01.2, 1.3, 11.25'N, 86.26'W, h174km, 18km, mb2.8/2, mb1 3.2/4, mb1mx2.9/31, mbtmp3.4/4, Error ellipse: s-maj=148.6km s-min=21.4km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JTS JuntasAbangare, APG El Apazole, CMIG Matias Romero, etc.

SVSA 28 11:40:05.3, 0.5, 38.64N:29.64W, h10km, MD3.5, ML2.9, Error ellipse: s-maj=5.6km s-min=4.3km az=171.0, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PCED Cedros, CALA Caldeira, HOR Horta, etc.

SJA 28 11:45:25.9, 0.8, 20.09S:69.29W, h104km, 4km, MW3.8, GUC 28 11:45:27.3, 0.5, 20.05S:69.16W, h99km, 2km, ML3.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PB08 IPOC Station P, GO01 Chuzimiza, PB11 IPOC Station P, etc.

GRAL 28 11:23:24.4, 0.3, 34.70N:36.26E, h2km, 2km, MD3.1, NSCC 28 11:23:30.2, 0.5, 34.29N:36.42E, h33km, 2km, ML1.9







1731

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like CABF, APA, MOY, KMI, MEM, BCLA, ZAK, SMF, LOR, DOU, TAM, AVF, NB2, NOA, BGF, MTLF, NC204, CAF, TCF, SONA, ARAO, ULN, WRA, EPF, NRK, NRIK, ETSF, LDF, FLN, SJPF, GRR, SGMF, HHC, HHC, QUIF, PSI, TOR, TOA, BOD, KBS, KBS, NJ2, CN2, DBIC, DBIC, KIC, TIC, TIC, TIC, LEM, KSAR, KSAR, KSRS, KSRS, BOSA.

2013 APR

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like BOSA, BOSA, BOSA, KLR, USKR, JNU, SUMG, YSS, YSS, MJAR, MAJ, ASAJ, BILL, BILL, BILL, PETK, PET, FITZ, TOLK, SCHO, PRP, MDM, ILAR, ILAR, BPWA, CAST, CAST, SAND, YKA, YKA, YKA, YKB, WRI, WRI, WRA, WRA, MAW, ULM, ULM, NV01, NV01, QSPA, POHA, JMA, TAP, ISC, Code, Station Name, Azimuth, Phase ID, Time, Res.

28d 12h

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like YM10, NDT, TWY, NACB, TWS1, YHNB, NSK, TWD, HATJ, ETLH, NNS, JJJ, WHF, TDCB, ESL, NSTT, CHGB, EGFH, OWD, WHP, HGSD, NMLH, VVWD, EHY, NSY, TQW1, SMLT, SSLB, YULB, TYC, WDJ, TWF1, TCU, WHYT, FULB, WNT, ALS, CHN5, ELDTW, CHN4, TPUB, STYT, WTP, TWGT, TWB, TWK, CHN1, SGST, SLGT, SSD, MASB, LAY, EAST, SCZT, XPSS, PNG, NIUE, KNTN, DZM, URZ, BKZ, LTZ, CTA, CTAO, AS31, ASAR, ASAR, ASAR, WRB, WRAB, WR1, WRA, MTN, KRSR, SPU, BR10, BR1R, Code, Station Name, Azimuth, Phase ID, Time, Res.

28d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAA Atsumi, JIE Ise, JYTA Yamagatani, etc.

NIED 28 12:36:00, 28.80N, 128.10E, h210km, Mw4.5 Best double couple: Mo:8.40000, 1015 NP1.35119, 000000, 346.00000, -1.180, 000000. NP2:329.00000, 890.00000, -1.44, 000000.

BUI 28 12:36:40.5, 28.43N, 128.50E, h183km, mb4.8/39, m3.4, 8/19

IDC 28 12:36:45.0, 28.86N, 127.98E, h178km, mb3.8/32, mb1.3/35, mb1mx3.6/0, mbmp4.3/35, MS2.6/1, Ms1.2.9/1, ms1mx2.3/42, Error ellipse: s-maj=12.3km s-min=7.1km az=81.0

NEIC 28 12:36:47.5, 28.80N, 128.09E, h196km, 5km, mb4.3/91, Error ellipse: s-maj=13.5km s-min=10.5km az=82.0

JMA 28 12:36:47.3, 0.1, 28.79N, 128.13E, h181km, 3km, M4.4

ISC 28 12:36:47.3, 0.4, 28.81N, 128.12E, 0.04, h194km, 3km, h194km, p-P, n216, s145/282, mb4.2/115, 1C-1D, Ryukyu Islands

Main table for 28d 12h section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTAJ Takarajima, JAMN Amaminishikomi, etc.

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Main table for 2013 APR section with columns: XAN, Xifan, P, Pmax, Pn, Pmax. Includes stations like XAN Xifan, XAN Xifan, etc.

1732

Main table for 1732 section with columns: FITZ, FITZ, NRIK, NRIK, etc. Includes stations like FITZ Fitzroy Cross, FITZ Fitzroy Cross, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like TULEG Thule, BR101 Keskin Array S, BRTR Keskin Array B, etc.

TAP 28 12:38:23.9, 24.91N, 122.69E, h15km, 2km, ML2.9, C

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like YOJ Yonaguni jima, YOJ bazz=147, EOS1 EOS1, etc.

TAP 28 12:43:37.8, 24.90N, 122.69E, h10km, 2km, ML3.1, D

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like JYNG Yonagunijimaka, YOJ Yonaguni jima, EOS1 EOS1, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like TWY Chenhua, NWLT Wulai, NDT Datong Townshi, etc.

IDA 28 12:54:43.9, 3.4, 10.37S, 124.04E, h13km, 23km, mb4.1/6, mb1 4.2/9, mb1mx3.9/29, mbtmp4.1/9, ML4.0/3, MS3.7/1, Ms1 3.6/1, ms1mx2.6/1.2, Error ellipse: s-maj=49.1km s-min=19.8km az=56.0

DJA 28 12:54:45.1, 0.4, 11.1S, 124.2E, h15km, 2km, M4.3/13, mb4.5/13, mb5.2/3, ML4.2/11, MW(MB)4.6/3, NEIC 28 12:54:45.6, 1.5, 10.37S, 124.06E, h20km, 12km, mb4.6/9, Error ellipse: s-maj=12.0km s-min=6.9km az=58.0

ISC 28 12:54:43.5, 0.5, 10.54S, 0.04, 123.98E, 0.05, h10km, n52, c1955/60, mb4.6/14, Timor region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like BATI Baumata, BATI Baumata, SOE Soe, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

DJA 28 12:56:30.7, 0.2, 0.0N, 3.3E, h142km, 4km, M4.0/9, mb4.7/7, mb5.1/2, MLV3.6/9, MW(MB)4.4/2, Northern Sumatera

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like MNSI Mandaling Nat, MNSI Mandaling Nat, BKNI Bangkinang, etc.

IDA 28 13:14:12.8, 1.9, 0.11S, 29.75E, h0km, mb3.7/6, mb1 3.8/7, mb1mx3.6/36, mbtmp3.7/7, ML3.5/1, MS3.0/3, Ms1 mx2.6/4.1, Error ellipse: s-maj=53.0km s-min=10.9km az=34.0

ISC 28 13:14:14.1, 1.8, 0.2S, 0.3, 29.7E, 0.2, h10km, n12, c0577/9, mb3.6/6, Zaire

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like MBAR Mbarara, MBAR bazz=311, slow=20, KMBO Kilima Mbogo, etc.

IDA 28 13:49:58.2, 2.6, 35.15N, 141.33E, h0km, mb3.5/2, mb1 3.5/4, mb1mx3.2/44, mbtmp3.4/4, ML2.4/2, MS2.8/4, Ms1 2.8/4, ms1mx2.5/26, Error ellipse: s-maj=49.9km s-min=32.9km az=66.0

JMA 28 13:50:01.0, 0.2, 35.26N, 141.23E, h23km, 3km, M2.5, ISC 28 13:50:00.1, 1.4, 35.23N, 141.22E, 0.10, h10km, n20, c1917/116, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like CHOJ Chosi, CHOJ Chosi, BSO1 Boso 1, etc.

GRAL 28 13:52:05.3, 0.3, 33.79N, 35.78E, h8km, 7km, MD2.7, NS3.0, 28 13:52:06.9, 0.4, 33.80N, 35.74E, h20km, 9km, ML 1.2, ISC 28 13:52:04.2, 1.0, 33.79N, 0.07, 35.77E, 0.07, h16km, 10km, n7, c052/12, Jordan-Syria region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like BHL Bhannes, DORL Deir Qamar, DORL Deir Qamar, etc.







28d 15h

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like VSR, LPRS, SOC, TMC, etc.

2013 APR

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like VYHS, MORC, LIT, etc.

1736

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KMBO, WLF, WLF, etc.

Table of station data for 1737, including call signs like BARC, DRKO, PCON, RUSC, SOTA, etc., and their respective frequencies and power levels.

Table of station data for 2013 APR, including call signs like NB2, NOA, GERES, ARAO, etc., and their respective frequencies and power levels.

Table of station data for 28d 15h, including call signs like GYA, Gaotal, GTA, etc., and their respective frequencies and power levels.

28th 16h

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like AYDN, URLA, DAT, KRBN, BBRN, FOCM, TNSA, ANAF, CMBO, PSRA, SANT, TH1, TH3, TH5, ZEDA, GOMA, THRN, THUR, THRE, THRG, DALY, ARG, AKHS, AKS, TAVA, MANT, DENT, KULA, PRK, SERI, AYVA, KARP, SIGR, FETY, STEP, GPNR, STIA, KHAL, DION, BALB, ZKR, NPS, PTL, EZN, WLYV, BOZC, LAST, DURS, AKAS, KSL, ELL, GDZ, LIA, DID, KORT, KNL, SKIA, SMTH, ULDT, KESN, BORA, KEZP, GEVY, KIRK, AUMI, SAHE.

2013 APR

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like KIBS, BRTR, TORRD, KURB, MKAR, BUJ, NSSC, IDC, GIL, NEIC, DDA, HLW, MOS, ISK, THE, ATH, NIC, DID, TURN, AYDN, ARG, GCAM, AYB, TAVA, SMG, FETY, KARP, ZEY, MANT, URLA, ELL, KULA, GOLA, APE, KSL, CESE, FOCM, BR13, PHNC, MATC, SLUM, ILGA, SZH, BHL, DQRL, HWQ, KRTI, BR13, OFRI, MMA0B, MMAI.

1738

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like AKHS, AKS, CCMO, FOCM, KH, BRDR, TH3, KHAL, THRE, CHOS, CHOS, CHOS, THRS, TH9, USAK, KORT, ZEDA, AKUM, CANS, TNSA, ZKR, ZKR, ZKR, ZKR, SHAP, PRK, NPS, STEP, GEDZ, GDZ, LAST, PRK, PRK, PRK, BALB, SHUT, SIGR, SIGR, SIGR, SIGR, MNVG, EZN, LIA, LIA, ALN, ALN, PPY, ALFC, ALFC, CYTL, SZAC, SZAC, MAMMARI, ANTO, ANTO, BRTR, BR13, PHNC, MATC, SLUM, SLUM, ILGA, SZH, BHL, DQRL, HWQ, KRTI, BR13, OFRI, MMA0B, MMAI.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Bet Lehem HaGe, Rachaya, Chebaa, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Zakamensk, Gaotai, Songino Array, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Vlachokerasia, Loutraki, Ithomi, etc.

28d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ANKY, VLS, SKIA, etc.

2015 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like BCI, FASA, MASS, etc.

1740

Table with columns for station name, frequency, power, and other technical details. Includes stations like WTTA, WATA, MORC, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Calviac, Bois d'Agland, Les Rejaudoux, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WMO, RES, LZH, CD2, HHC, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KLR, SOMN, H1N2, WAKE ISLAND, etc.



28d 17h

Table with columns: PTGA, Pitinga, 22.01 23 P, etc. Includes stations like PTGA, GO07, MC16, etc.

IDC 28 17:41:21.9:0.6,52:56N:168:73W, h0km, mb4, 1/32, mb1.4, 3/33, mb1mx2.4, 9, mbtmp4, 1/33, MLS2/1, MS2/10, MS1 3/2/10, ms1ms0/30, Error ellipse: s-maj=17.7km s-min=11.0km az=172.0

MOS 28 17:41:23.5:0.9,52:59N:168:57W, h19km, mb4, 6/18, Error ellipse: s-maj=14.7km s-min=7.7km az=85.2

NEIC 28 17:41:26.3:0.0,52:50N:168:55W, h25km, mb4, 3/27, ML4.0(AEIC), After AEIC.

ISC 28 17:41:24.1:3.5,52:54N:0:06:168:55W, h0.04, h15km, 7km, n202, s132/213, mb4, 3/69, MS3,2/12, 16C-2D, Fox Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like NIKH, OKAK, MICR, etc.

2013 APR

Main station list table with columns: YKBS, Yellowknife Ar, 29.75 49 eP, etc. Includes stations like YKBS, YKBS, YBHS, etc.

1742

Main station list table with columns: BRVK, comp=Z,1.0nm,0.7s, pmax, pmax, etc. Includes stations like BRVK, MK32, ARU, etc.

IDC 28 17:46:28.5:12.0, 179N:128:13E, h335km, 136km, mb2.9/8, mb1 3.0/9, mb1mx2.8/48, mbtmp3.6/9, MS2.4/1, MS1 2.4/1, ms1mx2.2/11, Error ellipse: s-maj=17.3km s-min=16.8km az=56.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like DAV, FITZ, WRA, etc.

Table with columns: STKA, SONGI, MKAR, KURBB, BVAR, ROM 28 17:51:29.0...

ROM 28 17:51:29.0±0.2, 40.251N±0.004, 15.900E±0.005, n11km±1km, ML0.5/3, Error ellipse: s-maj=0.5km s-min=0.3km az=28.0, Southern Italy

Main table for 1743 with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 28 17:55:06.3±2.8, 56.27S±0.07W, h0km, mb4.0/4, mb1.4/2.4, mb1mx3.8/28, mbtmp4.0/4, Error ellipse: s-maj=92.1km s-min=38.7km az=1.0

NEIC 28 17:55:07.6±0.7, 56.36S±2.98W, h35km, mb4.7/11, Error ellipse: s-maj=18.8km s-min=10.7km az=225.0

ISC 28 17:55:09.0±0.6, 56.5S±0.1±25.0°01', h40km, n24, #202/24, mb4.5/14, South Sandwich Islands region

Main table for 1743 (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

ISK 28 18:14:46.3±4.2, 34N±0.78E, h20km, ML2.4/1 TIF 28 18:14:46.7, 42.41N±41.01E, h27km, 4km

DDA 28 18:14:47.7, 42.23N±40.98E, h7km, 1km, ML2.8 ISC 28 18:14:45.7±1.4, 42.425N±0.03±40.99E±0.05, h7km±11km, n18, #0587/36, Black Sea

Main table for 1743 (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

Table for 1743 (continued) with columns: DDEM, GURZ, SHA1, ONI, KIV, DIGR

SJA 28 18:23:00.9±0.7, 23.14S±69.35W, h77km, 3km, ML3.0, MW3.6 GUC 28 18:23:01.2±0.6, 23.15S±69.29W, h83km, 3km, ML3.5 ISC 28 18:23:02.1±1.7, 23.14S±69.36W±0.05, h68km±10km, n17, #084/28, 1C-40, Northern Chile

Main table for 1743 (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

BJI 28 18:28:09.9, 29.31N±81.52E, h5km, mb4.0/8, Ms3.4/1, Ms7.3/4/1

IDC 28 18:28:09.0±1.3, 29.58N±81.50E, h0km, mb3.7/10, mb1.3/8/13, mb1mx3.5/43, mbtmp3.7/13, ML3.6/3, MS2.8/3, Ms1.2/8/3, ms1mx2.5/43, Error ellipse: s-maj=44.0km s-min=16.9km az=60.0

DMN 28 18:28:13.3±0.3, 29.79N±81.20E, h50km, ML4.9/7, Error ellipse: s-maj=13.9km s-min=6.7km az=32.0

NDI 28 18:28:14.7±2.2, 29.55N±81.38E, h10km, ML3.7 ISC 28 18:28:13.3±0.5, 29.55N±81.39E±0.03, h27km, n38, #215/52, mb3.6/10, Nepal

Main table for 1743 (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

PKIN 28 18:29:15.9±2.5, h0km, mb3.9/8, mb1.4/2.0, mb1mx3.9/33, mbtmp3.9/10, ML3.9/2, MS3.3/3, Ms1.3/3, ms1mx2.8/35, Error ellipse: s-maj=30.0km s-min=22.4km az=148.0

NEIC 28 19:15:16.4±0.7, 11.96S±165.40E, h10km, mb4.3/2, Error ellipse: s-maj=19.3km s-min=13.8km az=94.0

ISC 28 19:15:21.0±0.8, 11.8S±0.1±165.2E±0.1, h35km, n20, #066/18, mb4.0/10, Santa Cruz Islands

Main table for 1743 (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

Table for 1743 (continued) with columns: SHL, AAK, WMQ, MKAR, MKAR, GTA, GTA, GTA, CMAR, GEYR, KURBB, ZALV, BVAR, SONM, KRSR, FINES, TIXI, ARCS, WRA, ASAR, YKA

NEIC 28 18:59:50.2±0.9, 43.61N±104.99W, h0km, ML3.6, Error ellipse: s-maj=13.1km s-min=10.3km az=76.0, Suspected Mining explosion.

NEIC 69 km [51 miles] WSW of Newcastle. ANF 28 18:59:51.5±3.5, 43.53N±105.28W, ML3.5/7, Error ellipse: s-maj=34.9km s-min=23.7km az=66.0

IDC 28 18:59:52.9±1.2, 43.99N±105.67W, h0km, mb1.3/4/4, mb1mx3.2/39, mbtmp3.1/4, ML2.3/2, Error ellipse: s-maj=28.2km s-min=7.5km az=145.0

ISC 28 18:59:48.5±0.9, 43.83N±105.42W±0.05, h0km, n40, #109/40, Wyoming

Main table for 1743 (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NV01, NVAR, MK2K, MKAR, YKA, YKB5.

ATH 28 19:16:42.0, 38.58N, 23.53E, h25km, 3km, MLO, 9/2, Error ellipse: s-maj=3.4km s-min=1.1km az=66.0, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AOS, AOS, AOS, LKR, DION, DION, PTL, ATH, LTK, LTK, VLY, DID, DID.

NEIC 28 19:31:55.3, 0.5, 20.32S, 67.72E, h10km, mb4.6/12, Error ellipse: s-maj=14.5km s-min=12.7km az=107.0

ISC 28 19:31:55.4, 0.6, 19.87S, 68.07E, h0km, mb4.1/17, mb1.4/2.17, mb1mx4.0/5.1, mbtmp4.1/17, MS3.7/14, Ms1.3/7.14, ms1mx3.4/36, Error ellipse: s-maj=19.7km s-min=16.6km az=62.0

ISC 28 19:31:56.7, 0.5, 20.23S, 0.10, 67.72E, s-maj=1.1, h16km, n69, e113/50, mb4.4/29, MS3.8/14, Mid-Indian Ridge

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H08S1, H08S2, H08S3, H08N3, H08N1, H08N1, H08N2, CRZF, PALK, KMB, BOSB, BOSB, H01W2, H01W1, MAW, CM31, CMAR, CMAR, CHTO, CMMT, KOLM, PYUN, RAMN, DMN, PKI, PKIN, GKN, KKN, DANN, JIRN, FITZ, LSA, GEYT, ASAR, ASAR, AS31, WRA, WRA, WRA, SNA, SNA, SNA, SNA, STKA, STKA, VNA1, VNA3, BR101, BRTR, MK31, MK32, MK32, MKAR, ABKAR, GSPA, KURB, KURK, VNA, VNA, TORD, TOA1, BVAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ZALV, ZALV, ZAA1, DBIC, SONM, SONM, AKAB, KRSR, MAJO, MJAR, KLR, KLR, NRIK, NRIK, PMG, PMG, WRA, ASAR, FITZ, TORD.

ISC 28 19:39:24.0, 7.6, 7.47S, 149.30E, h46km, 61km, mb3.3/2, mb1.3/7.4, mb1mx3.1/33, mbtmp3.6/4, ML3.6/1, Error ellipse: s-maj=99.0km s-min=54.4km az=127.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PMG, PMG, WRA, ASAR, FITZ, TORD.

MEX 28 19:40:58.0, 0.7, 16.41N, 97.51W, h3km, 5km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PNIG, PNIG, HUIG, HUIG, TLIG, TLIG, CMIG, CMIG, CAIG, CAIG.

ISC 28 20:13:16.0, 2.7, 39.79N, 38.29E, h0km, mb3.5/1, mb1.3/5.5, mb1mx3.2/56, mbtmp3.4/5, ML3.2/4, MS2.5/1, Ms1.2/5.1, ms1mx2.1/41, Error ellipse: s-maj=45.7km s-min=9.5km az=157.0

DDA 28 20:13:17.4, 40.04N, 38.24E, h6km, 2km, ML3.9, ISK 28 20:13:17.2, 40.10N, 38.25E, h1km, ML3.6/19, ISC 28 20:13:17.9, 1.1, 40.02N, 0.02, 38.23E, 0.02, h1km, 10km, n84, e186/105, Turkey

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SUSE, CUZAR, CUZAR, ILIC, REFA, REFA, KEMA, RESDY, RESDY, KELKIT, KELT, SCER, SCER, CUKAN, CUKAN, SVSK, ORDU, ORDU, HEKM, HEKM, ERZN, ERZN, TOKT, TOKT, TNCL, TNCL, CUALT, CUALT, TOKA, MACK, MACK, CUGUR, CUGUR, BAYT, KTUT, DARE, BAYB, BAYB, ELZG, ELZG, CUSAR, CUSAR, AKCD, AKCD, KOPT, KOPT, YEDI, YEDI, ELBS, ELBS, KRYT, KRYT, KRIK, BGOL, ENGB, ENGB, ENN, HAVZ, YOZ, GUNE, HANI, SIRC, BNGL, COAL, DIYA, VRTB, SAIM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GZT, KMRS, CORM, DIKM, HOKI, HOKI, DDEM, DDEM, ANDM, MUMS, HICB, SAIL, BORCA, YAHY, SVAN, DAGI, CDAG, SNOF, SINO, BATH, BATH, KAMA, SURC, KOZT, BTMM, EATA, DELI, SRTM, BRTR, BRTR, TUTA, YAYK, BZK, TKB, TKB, ONI, ONI, GNI, KBZ, KBZ, KVAR, KVAR, AKASG, FINES, FINES.

JMA 28 20:24:35.0, 38.22N, 141.78E, h56km, 1km, M3.8, JMA Fell II J1, ISC 28 20:24:35.3, 3.2, 1.38, 17N, 141.82E, h59km, 20km, mb3.3/11, mb1.3/6.16, mb1mx3.5/44, mbtmp3.7/16, ML3.1/5, MS2.7/3, Ms1.2/7.3, ms1mx2.4/30, Error ellipse: s-maj=21.8km s-min=12.8km az=113.0

ISC 28 20:24:34.3, 1.38, 18N, 0.05, 141.90E, 0.08, h48km, 10km, n40, e121/50, mb3.7/11, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JIKH, JIKH, JIOU, JKMT, JOFO, JOFO, OFUJ, OFUJ, JMM, JMM, JMK, JMK, JOKU, JOKU, JFK, JFK, JOM, JOM, JFT, JFT, JYK, JYK, JYS, JYS, JRG, JRG, JYA, JYA, MJAR, MJAR, MJAR, MAT, MAT, JHJ, JHJ, ASAJ, ASAJ, USAJ, USAJ, USRK, USRK, JNU, JNU, KRSR, KRSR, SONM, H1N2, H1N1, H1N3, H1S1, H1S2, H1S3, ZALV, ZALV, MKAR, ILAR, INK, WRA, ASAR, YKA, PDAR, TXAR, LPAZ.

ISC 28 20:28:06.5, 8.3, 6.78S, 129.76E, h167km, 86km, mb3.1/1, mb1.2/9.5, mb1mx2.8/33, mbtmp3.4/5, Error ellipse:



28D 22h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAMN Ramite, ZALV Zalesovo Beam, ZALV Zalesovo Beam, NVS Novosibirsk, etc.

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RIZ Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

75Z APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MJAR Matushiro Arr, VN3 Neumayer Olymp, KSRS Korea Array, etc.

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ONAJ Iwakimizuishiy, JFK Kawachi, JHO Hitachi, etc.

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

1746

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SDLR Sedlovina, SPN Mys Shipunovs, KRER Koryakisk, etc.

THE 28.21:44:47.9, 40:17N:19:80E, h0km, 1km, ML2.4/7, Error ellipse: s-maj=2.0km s-min=0.8km az=289.0

TIR 28.21:44:48.1, 40:10N:19:84E, h5km, ML3.1/6

ISC 28.21:44:49.8-0.9, 40:10N:02:26:29E.02, h11km, 8km, n27, r1905/42, Albania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SRN Sarande, SRN Sarande, SRN Sarande, etc.

SJA 28.21:52:34.4+0.8, 33:30S:69:01W, h23km, 2km, ML2.6, MW3.6, Chile-Argentina border region

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARCO CERRO ARCO, ARCO CERRO ARCO, ARCO CERRO ARCO, etc.

SOF 28.22:04:24.9, 42:28N-26:21E, h0km

ISF 28.22:04:24.0, 42:23N-26:33E, h6km, ML2.6/25

THE 28.22:04:26.4, 42:06N-26:32E, h2km, 2km, ML2.4/6, Error ellipse: s-maj=3.5km s-min=1.0km az=155.0

DDA 28.22:04:28.4, 41:96N-26:50E, h7km, 4km, ML2.6

ISC 28.22:04:24.2+1.1, 42:22N:02:26:29E.02, h5km, 11km, n74, r0818/83, 12C-1D, Bulgaria

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMB Yambol, JMB Yambol, JMB Yambol, etc.

Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RKY Sarkoy-Tekirda, CTYL Yalikoy Yolu, CTYL Yalikoy Yolu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUMR Humele, KCTX Karacabey (Bur), BUY Buyukada, etc.

ISK 28 22:18:33.5, 42°23'N-26°29'E, h5km, ML3.4/31
SOF 28 22:18:34.9, 42°30'N-26°18'E, h2km, MD3.0
DDA 28 22:18:35.3, 42°16'N-26°38'E, h24km, MD3.2

Main table for 1747 section, listing station codes, names, coordinates, and times. Includes stations like JMB Yambol, KIRK Kırklareli, PRD Provadja, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MANR Mangalia, ISK Istanbul-Kandi, ISK Istanbul-Kandi, etc.

ISK 28 22:18:33.5, 42°23'N-26°29'E, h5km, ML3.4/31
SOF 28 22:18:34.9, 42°30'N-26°18'E, h2km, MD3.0
DDA 28 22:18:35.3, 42°16'N-26°38'E, h24km, MD3.2

Main table for 2013 APR section, listing station codes, names, coordinates, and times. Includes stations like AMRR Amara, MFTR Murfatlar, ARMT Armut, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HEST 4.1nm,0.8s,baz=283,slow=7.2,SNR=4.2, PFKR Estremoz, etc.

ISK 28 22:18:33.5, 42°23'N-26°29'E, h5km, ML3.4/31
SOF 28 22:18:34.9, 42°30'N-26°18'E, h2km, MD3.0
DDA 28 22:18:35.3, 42°16'N-26°38'E, h24km, MD3.2

Main table for 28d 22h section, listing station codes, names, coordinates, and times. Includes stations like BR10 Keskin Array S, BR131 Keskin Array S, BRTR Keskin Array B, etc.



28d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ACON Acopya, GEYT Allbeck, CMIG Matias Romero, etc.

RSNC 28 23:11:52.21.0.7, 20N-78.38W, h4km, 5km, ML3.3, Mw3.8, 1C-20, Panama

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PTAC Punta Arditia, SOLC Bahia Solano, UPD2 Meteti, etc.

LJU 28 23:18:45.9, 45.59N-15.48E, h5km, ML0.5, 1D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OZLJ Ozalj, BOJS Bojanci, CRES Cresnjevi, etc.

SJA 28 23:23:19.0, 0.5, 31.66S-68.17W, h113km, 3km, ML3.1, MW4.1, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CFA Coronel Fontan, RTVC Cerro Valdivia, RRTL Cerro Villicun, etc.

ISC 28 23:29:17.4, 4.8, 5.26S-151.94E, h54km, 43km, mb3.8/12, mb1.4/14, mb1mx3.8/39, mbtmp4.1/14, ML3.1/2, MS3.3/4, Ms1.2/9.3, ms1mx2.9/34, Error ellipse: s-maj=33.7km s-min=24.1km az=126.0

ISC 28 23:29:15.3, 0.9, 5.25S-152.0E, h35km, n19, +0.93/17, mb4.0/12, MS3.2, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG Port Moresby, etc.

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Table with columns: CTA, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Charters Tower, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 28 23:31:25.1, 2.0, 5.35S-152.26E, h0km, mb3.9/3, mb1.4/2.3, mb1mx3.7/37, mbtmp3.9/3, MS3.3/3, Ms1.3/3.3, ms1mx2.8/31, Error ellipse: s-maj=130.4km s-min=28.0km az=126.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, URZ Urewera, etc.

ATH 28 23:35:15.8, 37.82N-21.09E, h15km, 2km, ML1.6/12, Error ellipse: s-maj=2.3km s-min=0.7km az=3.0, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VTN Vitineika, KFL Anninata, RLS Riolos de Patr, etc.

ISC 28 23:50:21.5, 1.2, 11.81S-165.08E, h0km, mb3.9/6, mb1.4/1.7, mb1mx3.8/39, mbtmp3.9/7, ML4.0/1, MS2.9/2, Ms1.2/9.2, ms1mx2.5/26, Error ellipse: s-maj=41.1km s-min=25.0km az=133.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, PMG Port Moresby, etc.

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Table with columns: WRA, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Warramunga Arr, ASAR Alice Springs, SONM Songio Array, etc.

NIED 28 23:52:00.45, 10N, 150.70E, h83km, Mw4.1, Best double couple: M1.3600x1019, N171.1, 170.0000, 866.0000, 0.1, 1.00000, NP2.80, 0.0000, 889.0000, 1.56.0000, MOS 28 23:52:01.5, 1.3, 45.80N-150.83E, h101km, mb4.1/10, Error ellipse: s-maj=10.2km s-min=6.6km az=73.4

SKHL 28 23:52:02.0, 1.0, 45.72N-150.97E, h103km, 4km, mb5.8/3, msh6.1/4

IDC 28 23:52:03.7, 2.6, 45.98N-150.62E, h111km, 22km, mb3.7/17, mb1.3/9.20, mb1mx3.7/42, mbtmp4.1/20, MS2.7/1, Ms1.2/7.1, ms1mx2.2/43, Error ellipse: s-maj=16.9km s-min=13.1km az=136.0

JMA 28 23:52:06.3, 0.7, 45.08N-150.69E, h109km, M4.2

ISC 28 23:52:00.4, 0.6, 45.57N-150.07E, h100km, n126, +0.29/139, mb4.0/27, 16C-7D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUR Kuril'sk, KUR 501nm, 0.3s, KUR 906nm, 0.3s, etc.

GRPR Tuman, 4.00 249 eP, Pn, 23 53 02.7 +3.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GRPR Tuman, GRPR Tuman, GRPR Tuman, etc.

OFUJ Ofunato, 9.44 230 eS, Pn, 23 55 53.1 +4.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OFUJ Ofunato, OFUJ Ofunato, OFUJ Ofunato, etc.



220 Oh

Table with columns: PPD, Station Name, Frequency, Power, and other technical details. Includes stations like Padang Panjang, Bangkinang, and various other regional stations.

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Main table listing radio stations across various countries including Russia, Colombia, and others. Columns include Code, Station Name, Frequency, Power, and other technical details.

1750

Table listing radio stations in the 1750 kHz range, including stations like Kalavryta, Kalavryta, and various other regional stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like DRME Dracevica, Mon, BUM Brajci-Budva, etc.

TIR 29 01:00:21.9, 42:01'N:20:15'E, h7km, Md2.7/3
PDG 29 01:00:21.8, 0.2, 42:01'N:20:13'E, h13km, MD2.9/5,
ML2.9/10, Error ellipse: s-maj=0.4km s-min=0.4km
az=90.0

BEO 29 01:00:22.1, 0.3, 42:04'N:20:17'E, h0km, ML2.3/7
ISC 29 01:00:21.2, 1.1, 42:02'N:20:17'E, 0.02, h10km, 10km,
n61, c1502/95, 13C-11B, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like PUK Puka, BCI Bajram Curri, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like MDRV Moldovita, MDRV Moldovita, etc.

TEH 29 01:02:19.9, 28:39'N:51:62'E, h15km, ML3.3
IDC 29 01:02:19.15, 9, 28:32'N:51:60'E, h0km, mb3.7/3,
mb1.3/7.5, mb1mx3.4/38, mbtmp3.6/5, ML2.9/2, Error
ellipse: s-maj=117.7km s-min=43.6km az=112.0
THR 29 01:02:21.1, 28:48'N:51:66'E, h20km, ML3.3
ISC 29 01:02:22.4, 1.1, 28:33'N:0:08:51.65E, 0.07, h24km, n31,
c059/33, mb3.5/3, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like GHIR Ghir-Karzin, GHIR Ghir-Karzin, etc.

TIR 29 01:03:51.2, 42:02'N:20:13'E, h8km, Md2.8/3
PDG 29 01:03:51.5, 0.3, 42:03'N:20:10'E, h8km, MD2.8/2,
ML2.8/14, Error ellipse: s-maj=0.4km s-min=0.5km az=0.0
BEO 29 01:03:51.3, 0.3, 42:04'N:20:21'E, h9km, 3km, ML2.2/7
ISC 29 01:03:51.0, 0.9, 41:99'N:0:02:20:12E, 0.02, h15km, 7km,
n61, c1923/90, 15C-8D, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like PUK Puka, BCI Bajram Curri, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like VAY Valandovo, STON Ston, etc.

DDA 29 01:19:18.9, 42:29'N:26:40'E, h7km, 3km, ML2.6
SOF 29 01:19:19.8, 42:24'N:26:24'E, h3km
ISK 29 01:19:20.9, 42:11'N:26:34'E, h3km, ML2.0/14
ATH 29 01:19:21.1, 42:17'N:26:12'E, h32km, 7km, ML1.9/5, Error
ellipse: s-maj=8.3km s-min=2.7km az=16.0
ISC 29 01:19:19.6, 1.2, 42:23'N:0:03:26.35E, 0.03, h12km, 10km,
n38, c0973/45, Bulgaria

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like JMB Yambol, EDRB Edirne, etc.

IDC 29 01:28:51.6, 7, 6:51S:146:81E, h151km, 70km, mb2.8/2,
mb1.3/0.4, mb1mx2.8/24, mbtmp3.3/4, Error ellipse:
s-maj=91.9km s-min=47.6km az=133.0, Eastern New
Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, etc.

IDC 29 01:41:27.9, 0.5, 3:16S:137:03E, h0km, mb4.4/13,
mb1.4/7.16, mb1mx4.6/22, mbtmp4.6/16, ML4.9/3, MS3.8/14,
MS1.3/8.14, ms1mx3.7/22, Error ellipse: s-maj=24.8km
s-min=12.5km az=78.0
NEIC 29 01:41:31.3, 1.6, 3:15S:138:96E, h20km, 11km, mb4.8/35,
Error ellipse: s-maj=6.5km s-min=3.9km az=59.0
BUJ 29 01:41:32.6, 2:92S:137:19E, h37km, mb4.9/38, mb4.9/22,
Ms4.5/9, Ms7.4/21.1
DJA 29 01:41:35.0, 0.3, 3:53S:137:7E, h60km, 4km, MS.1/20,
mb5.3/5, mb5.0/20, MLV5.3/6, Mw(mB)4.8/5
ISC 29 01:41:33.0, 0.3, 3:18S:0:05:136.99E, 0.04, h32km, n123,
c1547/133, mb4.7/54, MS3.9/18, 1C, Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like GENI Genyem, KMPI Kaimana, etc.

29d 2h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Port Moresby, Warramunga Arr, Fitzroy Crossi, etc.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like RAMN Ramite, SONM Songoing Array, JONM Jiri, etc.

1752

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like ISC 29 02:19:58.6, MNSI Mandailing Nat, etc.

ISC 29 02:19:39.3±1.5, 0.29S; 98°93'E, h0km, mb3.8/6, mb1 3.9/6, mb1mx3.6/33, mbtmp3.8/6, Error ellipse: s-maj=86.5km s-min=20.7km az=49.0 DJA 29 02:20:00.4±0.5, 1°N, 3°10'0E±1, h121km, 6km, M4, 0/9, MLV4/0.9







K43A Burlington	46.68	350	P	P	02 41 06.6	-2.6
J49A Marlette	46.69	356	P	P	02 41 07.1	-2.1
J47A Summer	46.72	354	P	P	02 41 07.2	-2.3
TUC Tucson	46.75	322	eP	P	02 41 10.1	+0.1
TUC Tucson	46.75	322	eP	Pmax	02 41 10.1	+0.1
TUC Tucson	46.75	322	P	Pmax	02 41 10.5	+0.5
ACCN Adirondack Com	46.76	5	eP	P	02 41 10.2	+0.4
T25A Trinidad	46.87	332	eP	P	02 41 11.9	+0.9
T25A Trinidad	46.87	332	P	P	02 41 11.8	+0.8
K42A Prairie Point	46.94	349	P	P	02 41 08.5	-2.6
K41A Shullsburg	46.96	348	P	P	02 41 08.8	-2.6
I53A Kortright Cn E	46.99	359	P	P	02 41 09.6	-1.9
I51A Listowel	47.01	358	P	P	02 41 09.8	-1.9
DRWO Darlington Wes	47.03	360	P	P	02 41 10.2	-1.6
WLVO Wesleyville	47.08	0	P	P	02 41 10.8	-1.4
J45A Montague	47.10	352	P	P	02 41 09.7	-2.8
PECO Prince Edward	47.12	2	P	P	02 41 11.2	-1.3
HNH Hanover	47.22	6	eP	P	02 41 14.3	+1.0
K40A Colesburg	47.22	348	P	P	02 41 10.8	-2.6
JFWS Jewell Farm	47.24	348	eP	P	02 41 11.3	-2.2
JFWS Jewell Farm	47.24	348	eP	P	02 41 11.3	-2.2
JFWS Jewell Farm	47.24	348	e	P	02 42 43.5	
JFWS Jewell Farm	47.24	348	P	P	02 41 11.2	-2.4
I49A Point Hope	47.24	356	P	P	02 41 10.9	-2.6
NCB Newcomb	47.30	4	eP	P	02 41 14.1	+0.1
BWLO Walkerton	47.33	358	P	P	02 41 11.8	-2.3
J43A Natural Harves	47.36	350	P	P	02 41 11.9	-2.5
I55A Frankford	47.38	1	P	P	02 41 13.0	-1.6
K39A Delwin	47.39	347	P	P	02 41 12.2	-2.5
J42A Columbus	47.42	350	P	P	02 41 12.7	-2.2
I47A Gladwin	47.46	354	P	P	02 41 13.1	-2.1
I46A Reed City	47.49	353	P	P	02 41 12.9	-2.5
I48A Sherman Twp	47.56	355	P	P	02 41 14.0	-2.0
KSCO Kaye Sheddock	47.60	335	eP	P	02 41 17.5	+0.9
J41A Loganville	47.63	349	P	P	02 41 14.3	-2.2
DELO DeLoro Mine	47.68	1	P	P	02 41 15.5	-1.4
H55A Tweed	47.73	1	P	P	02 41 16.0	-1.3
LBNH Lisbon	47.78	7	eP	P	02 41 18.7	+0.9
LBNH Lisbon	47.78	7	eP	Pmax	02 41 18.7	+0.9
LBNH Lisbon	47.78	7	P	Pmax	02 41 18.2	+0.4
VT1 Waterbury	47.79	6	eP	P	02 41 18.3	+0.5
214A Organ Pipe Nat	47.79	320	P	P	02 41 18.8	+0.7
H56A Elgin	47.80	2	P	P	02 41 17.2	-0.6
I43A Langford Bro	47.80	351	P	P	02 41 15.7	-2.2
J40A Soldiers Grove	47.80	348	P	P	02 41 15.6	-2.3
X18A Snowflake	47.80	325	eP	P	02 41 19.2	+0.9
SDCO Great Sand Dun	47.87	331	eP	P	02 41 19.2	+0.3
SDCO Great Sand Dun	47.87	331	P	P	02 41 19.4	+0.5
LONY Lake Ozonia	47.92	4	eP	P	02 41 18.4	-0.4
LONY Lake Ozonia	47.92	4	P	P	02 41 18.2	-0.5
I42A Draeger Farm	47.94	350	P	P	02 41 17.9	-1.9
I42A Draeger Farm	47.94	350	P	P	02 41 16.9	-2.0
J39A Decorah	47.95	347	P	P	02 41 16.3	-2.7
BGNE Belgrade	47.96	340	eP	P	02 41 19.2	0.0
BGNE Belgrade	47.96	340	P	P	02 41 18.3	-0.9
H47A Mio	48.01	355	P	P	02 41 17.3	-2.1
H46A Fife Lake	48.05	354	P	P	02 41 17.8	-2.0
W18A Petrified Fore	48.10	325	eP	P	02 41 17.8	-2.8
W18A Petrified Fore	48.10	325	P	P	02 41 21.1	+0.5
FRNY Flat Rock	48.21	5	eP	P	02 41 21.0	0.0
PLVO Plevna	48.22	2	eP	P	02 41 20.0	-1.0
PLVO Plevna	48.22	2	P	P	02 41 19.9	-1.2
H45A Beulah	48.23	353	P	P	02 41 18.5	-2.6
I40A Norwalk	48.25	348	P	P	02 41 19.3	-2.1
I41A Arkdale	48.27	349	P	P	02 41 19.5	-2.0
G53A Haliburton	48.28	0	P	P	02 41 19.7	-1.8
H43A Windswept, Lux	48.31	351	eP	P	02 41 19.8	-2.0
H43A Windswept, Lux	48.31	351	P	P	02 41 19.7	-2.1
I39A Houston	48.41	348	eP	P	02 41 20.6	-2.0
I39A Houston	48.41	348	eP	P	02 42 47.6	-0.2
I39A Houston	48.41	348	P	P	02 41 20.3	-2.2
G55A Calabogie	48.44	2	P	P	02 41 21.5	-1.3
TOBO Tobermory, Bru	48.45	357	P	P	02 41 20.1	-2.7
H42A Shiocton	48.47	351	eP	P	02 41 21.4	-1.6
H42A Shiocton	48.47	351	P	P	02 41 21.0	-2.0
S22A 4UR Ranch, Cre	48.52	330	eP	P	02 41 24.3	+0.4
S22A 4UR Ranch, Cre	48.52	330	P	P	02 41 24.2	+0.2
KLBO Killbear Provi	48.53	359	P	P	02 41 21.2	-2.3
G47A Hillman	48.55	355	P	P	02 41 22.1	-1.5
X16A Lo Mia Camp, P	48.60	323	eP	P	02 41 25.2	+0.8
BUKO Buck Lake	48.60	359	P	P	02 41 21.7	-2.3
Q24A Divide	48.68	332	eP	P	02 41 25.8	+0.7
Q24A Divide	48.68	332	P	P	02 41 25.0	-0.1
ORIO Orleans, Innes	48.69	3	P	P	02 41 23.7	-1.0
ORHO Orleans, Herit	48.69	3	P	P	02 41 24.2	-0.3

H41A Junction City	48.77	350	eP	P	02 41 22.4	-2.9
H41A Junction City	48.77	350	P	P	02 41 23.1	-2.2
G46A Petoskey	48.78	354	P	P	02 41 22.8	-2.6
PEMO Pembroke	48.85	1	P	P	02 41 23.8	-2.1
ALFO Alfred	48.90	4	P	P	02 41 25.6	-0.6
H40A Chili	48.91	349	P	P	02 41 24.2	-2.2
EMMW East Manawa	48.91	11	eP	P	02 41 29.3	+3.0
MVCO Mesa Verde	48.97	328	eP	P	02 41 27.3	0.0
MVCO Mesa Verde	48.97	328	eP	P	02 42 50.5	+0.2
MVCO Mesa Verde	48.97	328	P	P	02 41 27.3	0.0
OGNE Ogallala	48.99	337	eP	P	02 41 27.6	+0.5
OGNE Ogallala	48.99	337	P	P	02 41 27.4	+0.3
G43A Wallace	49.07	352	eP	P	02 41 25.6	-1.9
G43A Wallace	49.07	352	P	P	02 41 25.5	-2.0
F48A Evansville	49.11	356	P	P	02 41 25.4	-2.4
ALGO Algonquin Park	49.11	1	P	P	02 41 25.6	-2.3
PKME Peaks-Kenny Pk	49.14	9	eP	P	02 41 28.9	+0.8
PKME Peaks-Kenny Pk	49.14	9	P	P	02 41 28.2	+0.1
H39A Augusta	49.15	348	P	P	02 41 25.8	-2.4
G42A Mountain	49.17	351	eP	P	02 41 25.7	-2.6
G42A Mountain	49.17	351	P	P	02 41 26.3	-2.1
G41A Antigo	49.26	350	P	P	02 41 26.7	-2.4
WUAZ Wupatki	49.33	325	eP	P	02 41 30.4	+0.4
WUAZ Wupatki	49.33	325	P	P	02 41 30.8	+0.9
H38A Maiden Rock	49.35	347	P	P	02 41 27.6	-2.2
GGN Saint George	49.42	11	eP	P	02 41 33.2	+3.0
E52A Mattawa	49.44	0	P	P	02 41 27.9	-2.5
G40A Rib Lake	49.50	349	eP	P	02 41 29.1	-1.7
G40A Rib Lake	49.50	349	P	P	02 41 28.4	-2.5
TRQ Mont Tremblant	49.52	4	P	P	02 41 30.5	-0.6
E53A Dumoine, Ponti	49.54	1	P	P	02 41 38.3	-2.9
F43A Flat Rock, Esc	49.56	352	P	P	02 41 28.5	-2.8
ISCO Idaho Springs	49.57	333	eP	P	02 41 31.9	0.0
ISCO Idaho Springs	49.57	333	eP	P	02 42 52.5	+0.1
ISCO Idaho Springs	49.57	333	P	P	02 41 31.9	0.0
ECSD EROS Data Cent	49.59	343	eP	P	02 41 30.1	-1.5
ECSD EROS Data Cent	49.59	343	P	P	02 41 30.0	-1.6
F44A Big Bay de Noc	49.61	353	P	P	02 41 29.2	-2.5
E54A Lac Daplat, Po	49.61	1	P	P	02 41 29.9	-1.8
E50A Wahnapitae	49.61	358	P	P	02 41 28.9	-2.8
E51A G1948 Merrick	49.67	359	P	P	02 41 30.4	-1.9
G39A Holcombe	49.70	348	P	P	02 41 30.2	-2.2
PV01 Paradox Valley	49.70	329	eP	P	02 41 33.4	+0.6
SMCO Snowmass	49.71	331	eP	P	02 41 33.6	+0.5
E48A Lockeyer	49.73	357	P	P	02 41 30.2	-2.4
G38A Ridgeland	49.73	348	P	P	02 41 30.3	-2.3
F41A Three Lakes	49.76	350	eP	P	02 41 31.0	-1.9
F41A Three Lakes	49.76	350	P	P	02 41 30.7	-2.1
E47A Iron Bridge	49.78	356	P	P	02 41 30.6	-2.4
GLA Glamis	49.80	320	eP	P	02 41 34.3	+0.9
GLA Glamis	49.80	320	eP	Pmax	02 41 34.3	+0.9
GLA Glamis	49.80	320	P	Pmax	02 41 33.6	+0.2
E45A Wooded Hills,	49.84	354	P	P	02 41 34.6	+1.2
PV02 Paradox Valley	49.84	329	eP	P	02 41 34.9	+1.0
PV13 Radium Mtn., P	49.85	329	eP	P	02 41 34.4	+0.5
PV05 Paradox Valley	49.94	329	eP	P	02 41 35.1	+0.5
PV03 Paradox Valley	49.94	329	eP	P	02 41 34.9	+0.3
PV12 Sauer Basin	49.96	329	eP	P	02 41 35.3	+0.5
PV07 Paradox Valley	49.97	329	eP	P	02 41 35.7	+0.8
PV11 David Mesa, Pa	49.98	329	eP	P	02 41 35.7	+0.7
SPMN Marine on St.	49.99	347	P	P	02 41 32.2	-2.4
SPMN Marine on St.	49.99	347	P	P	02 41 32.2	-2.4
PV17 East Wray Mesa	50.01	329	eP	P	02 41 35.7	+0.6
PV16 Nyswonger Mesa	50.02	329	eP	P	02 41 35.5	+0.4
PV19 Morning Glory	50.05	329	eP	P	02 41 36.0	+0.5
Y12C Blythe	50.05	320	P	P	02 41 36.0	+0.7
Y12C Blythe	50.05	320	P	P	02 41 35.7	+0.4
PV20 West Nyswonger	50.06	329	eP	P	02 41 36.1	+0.5
PV04 Paradox Valley	50.07	329	eP	P	02 41 36.2	+0.7
E43A Lone Tree Farm	50.08	353	P	P	02 41 33.0	-2.2
F40A Park Falls	50.11	350	P	P	02 41 33.4	-2.1
PV14 Lion Creek, Pa	50.12	329	eP	P	02 41 36.5	+0.5
COWI Conover	50.12	351	eP	P	02 41 33.7	-1.9
COWI Conover	50.12	351	eP	P	02 42 53.0	-0.9
PV10 Paradox Valley	50.13	329	eP	P	02 41 36.1	0.0
D52A ZEK Kipawa Sen	50.13	0	P	P	02 41 33.9	-1.8
PDMCI Parker Dam, Lak	50.17	321	P	P	02 41 36.7	+0.6
PV23 Carpenter Ridge	50.17	329	eP	P	02 41 36.9	+0.5
PV21 Cone Mtn., Par	50.23	329	eP	P	02 41 37.4	+0.5
E42A Champion	50.25	352	P	P	02 41 34.0	-2.6
F39A Loretta	50.26	349	P	P	02 41 34.2	-2.4
PV09 Paradox Valley	50.27	329	eP	P	02 41 37.7	+0.5
D54A Lac Fusel, La	50.34	2	P	P	02 41 35.6	-1.7
D47A Chapleau	50.36	356	P	P	02 41 34.8	-2.6

D48A Paudash Townsh	50.41	357	P	P	02 41 35.0	-2.7
F37A Hinrichs Farm,	50.43	347	P	P	02 41 35.4	-2.5
E41A Kento	50.45	351	P	P	02 41 35.6	-2.4
D49A Beulah Townshi	50.48	358	P	P	02 41 35.5	-2.7
F38A Pierce - Schro	50.49	348	P	P	02 41 36.3	-2.1
U15A North Rim	50.49	325	eP	P	02 41 39.9	+0.9
W13A Hualapai Mount	50.54	322	eP	P	02 41 40.2	+1.1
LMN Caledonia Moun	50.54	13	eP	P	02 41 41.3	+2.6
E40A Wakefield	50.58	350	P	P	02 41 37.5	-1.5
BC3 Big Chuckawall	50.58	320	P	P	02 41 39.7	+0.3
N23A Red Feather La	50.60	333	eP	P	02 41 39.8	+0.2
N23A Red Feather La	50.60	333	P	P	02 41 39.8	+0.2
E39A Mellen	50.63	349	P	P	02 41 37.6	-1.8
IRM Iron Mountain	50.71	320	P	P	02 41 40.8	+0.6
PHWY Pilot Hill	50.71	334	eP			

29d 2h

Table with columns: Call letters, Name, Comp, Val, P, S, and other details. Includes entries like ARVC Arvin, R11A Troy Canyon, BW06 Boulder Array, etc.

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Table with columns: Call letters, Name, Comp, Val, P, S, and other details. Includes entries like WVOR Wild Horse Val, WVOR Wild Horse Val, WVOR Wild Horse Val, etc.

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Table with columns: Call letters, Name, Comp, Val, P, S, and other details. Includes entries like TORD, EGAK Eagle, KLU, SNA, SNA, SNA, etc.

Table with columns: ASAR, Alice Springs, 138.40 228, PKHKP, PKPpre, 02 51 56.8, etc. Includes various station codes and coordinates.

ROM 29 02:44:29.5 0.1, 43'425N, 0'003, 12'881E, 0'005, 117km, ML0.8/2, Error ellipse: s-maj=0.37km s-min=0.2km az=252.0, Central Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists various stations like ARVD, ARVD, ARVD, etc.

DJA 29 02:52:06.8 0.7, 0'S, 4'123E, 117km, 7km, M3.7/7, ML3.7/7, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like LUWI, LUWI, MRSI, etc.

IDC 29 02:53:42.3 2.0, 6'16S, 154'31E, h0km, mb3.7/4, mb1 4.0/4, mb1mx3.7/36, mbtmp3.7/4, MS3.7/2, Ms1 3.7/2, ms1mx2.9/29, Error ellipse: s-maj=154.4km s-min=25.1km az=131.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like PMG, Port Moresby.

Table with columns: WRA, Warrunganga Arr, 23.75 233 P, 02 58 57.7 +1.1, etc. Includes station codes and coordinates.

IDC 29 02:55:04.5 17.0, 21'23S, 177'21W, h364km, 149km, mb3.3/4, mb1 3.6/4, mb1mx3.2/24, mbtmp, 0/4, Error ellipse: s-maj=108.6km s-min=37.9km az=124.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like ASAR, Alice Springs, 45.31 257, etc.

IDC 29 03:37:56.7 2.1, 11'77S, 165'03E, h0km, mb3.8/5, mb1 1.1/5, mb1mx3.7/38, mbtmp3.8/5, MS3.4/8, Ms1 3.4/8, ms1mx0.3/34, Error ellipse: s-maj=105.3km s-min=28.0km az=145.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like DZM, Mont Dzumac, 10.34 173, etc.

TAP 29 03:52:36.4, 25'01N, 122'66E, h170km, 1km, ML3.3, C JMA 29 03:52:37.1 0.3, 24'34N, 122'76E, h155km, 3km, M2.0

ISC 29 03:52:36.6 2.5, 25'01N, 122'76E, 0'04, h157km, 18km, n22, -052/36, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like JYNG, Yonagunijimaku, 0.58 163, etc.

IDC 29 03:56:33.2 0.7, 18'89S, 122'33W, h0km, mb4.1/13, mb1 4.1/13, mb1mx3.0/35, mbtmp4.1/13, MS3.9/16, Ms1 3.9/16, ms1mx2.8/23, Error ellipse: s-maj=19.1km s-min=17.4km az=139.0

NEIC 29 03:56:39.5 1.8, 18'55S, 115'55W, h10km, mb4.3/7, Error ellipse: s-maj=36.7km s-min=17.9km az=55.0

ISC 29 03:56:35.0 0.6, 18'9S, 0'12, h10km, n46, 0595/31, mb4.1/15, MS3.9/16, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like SHEL, Horse Pasture, 6.86 66, etc.

Table with columns: DBIC, Dimbrok, 26.44 17 eP, 04 02 10.9 -1.4, etc. Includes station codes and coordinates.

IDC 29 04:39:32.2 0.9, 15'36N, 94'37W, h79km, 26km, MD3.9, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like HNR, Honiara, 6.30 287, etc.

MEX 29 04:39:32.2 0.9, 15'36N, 94'37W, h79km, 26km, MD3.9, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like ASAR, Alice Springs, 126.32 141, etc.

IDC 29 04:35:28.4 11.0, 11'30S, 166'07E, h160km, 116km, mb3.2/4, mb1 3.5/5, mb1mx3.2/27, mbtmp3.7/5, MS3.0/1, Ms1 3.0/1, ms1mx2.6/12, Error ellipse: s-maj=86.1km s-min=29.4km az=158.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like WRA, Warrunganga Arr, 31.70 250, etc.

MEX 29 04:39:32.2 0.9, 15'36N, 94'37W, h79km, 26km, MD3.9, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like PCIG, Alice Springs, 1.13 103, etc.

UCR 29 04:50:14.4 2.8, 9'48N, 84'54W, h6km, 10km, MD3.9, ML2.4, 1C-5D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like LCR2, La Lucha 2, 0.59 641, etc.

IDC 29 05:38:59.7 0.9, 12'54N, 86'72W, h170km, 15km, mb3.4/7, mb1 3.7/11, mb1mx3.4/40, mbtmp4.0/11, Error ellipse: s-maj=36.0km s-min=13.0km az=42.0



# 1759

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
N53A	Lisbon	28.73	10	eP	P	05 44 41.2 +0.5	
N53A	Lisbon	28.73	10	P	P	05 44 41.4 +0.7	
N54A	Moraine State	29.03	11	P	P	05 44 45.1 +1.7	
N55A	Marion Center	29.05	12	P	P	05 44 44.7 +1.0	
T25A	Trinidad	29.14	330	eP	P	05 44 46.5 +1.8	
T25A	Trinidad	29.14	330	P	P	05 44 45.4 +0.7	
SSPA	Standing Stone	29.16	14	eP	P	05 44 45.7 +1.1	
SSPA	Standing Stone	29.16	14	P	P	05 44 45.5 +0.9	
M54A	Oil Creek Stat	29.62	11	eP	P	05 44 49.1 +0.5	
M54A	Oil Creek Stat	29.62	11	P	P	05 44 49.1 +0.5	
L43A	Grand Prairie	29.65	357	P	P	05 44 49.4 +0.6	
M55A	Ridgway	29.76	12	P	P	05 44 50.2 +0.4	
AAM	Ann Arbor	29.86	5	eP	P	05 44 51.9 +1.2	
L53A	Girard	29.95	10	P	P	05 44 51.9 +0.4	
N59A	State Game Lan	29.98	17	eP	P	05 44 53.0 +1.1	
N59A	State Game Lan	29.98	17	P	P	05 44 52.7 +0.8	
BRNJ	Basking Ridge	30.13	19	eP	P	05 44 52.8 -0.3	
ERPA	Erie	30.15	10	P	P	05 44 53.5 +0.2	
SDCO	Great Sand Dun	30.16	330	eP	P	05 44 55.6 +1.9	
SDCO	Great Sand Dun	30.16	330	P	P	05 44 54.7 +1.0	
K42A	Prairie Point,	30.27	356	P	P	05 44 53.6 -0.8	
K39A	Delwin	30.43	353	P	P	05 44 55.7 -0.1	
BGNE	Belgrade	30.46	343	P	P	05 44 56.2 +0.2	
ODNJ	Ogdensburg	30.48	19	eP	P	05 44 57.1 +0.9	
J42A	Columbus	30.80	357	P	P	05 44 59.2 +0.2	
S22A	4UR Ranch, Cre	30.82	328	P	P	05 45 00.2 +0.6	
K55A	Perry	31.11	13	P	P	05 45 01.2 -0.6	
BINY	Binghamton	31.12	16	P	P	05 45 02.1 +0.3	
I43A	Langenfeld Bro	31.32	358	P	P	05 45 03.0 -0.6	
I42A	Drager Farm,	31.36	357	P	P	05 45 03.1 -0.8	
I46A	Reed City	31.39	2	P	P	05 45 04.0 -0.2	
KSCT	Kent School, K	31.42	19	eP	P	05 45 05.4 -0.9	
I39A	Houston	31.53	354	P	P	05 45 05.0 -0.3	
H40A	Chill	32.18	355	P	P	05 45 10.0 -1.0	
ECSD	EROS Data Cent	32.26	347	eP	P	05 45 11.0 -0.7	
ECSD	EROS Data Cent	32.26	347	P	P	05 45 10.9 -0.8	
PV03	Paradox Valley	32.32	327	eP	P	05 45 13.8 +1.7	
H48A	Harrisville	32.27	5	P	P	05 45 11.4 -0.4	
PV12	Saucer Basin,	32.29	327	eP	P	05 45 14.0 +1.7	
PV11	David Mesa, Pa	32.31	327	eP	P	05 45 13.1 +0.6	
H39A	Augusta	32.32	354	P	P	05 45 11.9 -0.3	
PV16	Nyswonger Mesa	32.34	327	eP	P	05 45 14.5 +1.7	
PV17	East Wray Mesa	32.34	326	eP	P	05 45 14.0 +1.2	
PV19	Morning Glory	32.38	327	eP	P	05 45 14.9 +1.7	
PV20	West Nyswonger	32.39	327	eP	P	05 45 15.0 +1.8	
G43A	Wallace	32.69	359	P	P	05 45 16.0 +0.6	
G39A	Holcombe	32.91	354	P	P	05 45 16.8 -0.6	
DELO	Deloro Mine	32.92	12	P	P	05 45 16.9 -0.5	
SPMN	Marine on St.	33.03	352	P	P	05 45 17.8 -0.6	
F41A	Three Lakes	33.21	357	P	P	05 45 19.8 -0.2	
F34A	Flat Rock, Esc	33.25	360	P	P	05 45 20.1 -0.3	
F44A	Big Bay de Noc	33.40	1	P	P	05 45 21.4 -0.2	
F40A	Park Falls	33.45	356	P	P	05 45 21.5 -0.6	
BUKO	Ruck Lake	33.48	10	P	P	05 45 22.1 -0.3	
F37A	Hinrichs Farm,	33.50	353	P	P	05 45 22.2 -0.2	
F39A	Loretta	33.51	355	P	P	05 45 21.6 -0.9	
IRM	Iron Mountain	33.54	315	P	P	05 45 22.6 -0.5	
E43A	Lone Tree Farm	33.80	360	P	P	05 45 25.2 +0.2	
G55A	Calabogie	33.81	13	P	P	05 45 25.1 -0.1	
F52A	Sundridge	33.84	10	P	P	05 45 25.0 -0.4	
E39A	Mellen	33.94	355	P	P	05 45 25.7 -0.6	
E47A	Iron Bridge	34.02	5	P	P	05 45 26.5 -0.4	
E48A	Lockeyer	34.14	6	P	P	05 45 27.9 -0.1	
LBNH	Lisbon	34.18	19	P	P	05 45 28.4 -0.0	
E38A	The Farm, Brul	34.25	354	P	P	05 45 28.1 -0.8	
E51A	C1948 Merrick	34.53	9	P	P	05 45 31.1 -0.3	
ALFO	Alfred	34.60	15	P	P	05 45 31.8 -0.1	
D48A	Paudash Townsh	34.86	6	P	P	05 45 33.6 -0.6	
D54A	Lac Fusel, La	35.64	12	P	P	05 45 40.2 -0.6	
DUG	Dugway, Tooele	35.81	325	P	P	05 45 41.7 -0.9	
PKME	Peaks-Kenny Pk	35.98	21	eP	P	05 45 45.2 +1.5	
PKME	Peaks-Kenny Pk	35.98	21	P	P	05 45 43.9 +0.2	
BW06	Boulder Array	36.01	331	P	P	05 45 44.8 +0.5	
PDAR	Pinedale Array	36.01	331	P	P	05 45 44.7 +0.4	
AGMN	Agassiz Nation	36.49	350	eP	P	05 45 46.7 -1.3	
LATQ	La Tuque	36.78	16	P	P	05 45 50.5 0.0	
MDND	Madlock	36.83	346	P	P	05 45 51.0 0.0	
REVD	Red Top Meadow	37.07	331	eP	P	05 45 54.5 +1.2	
MATQ	Matagami	37.96	10	P	P	05 46 00.2 -0.2	
NVAR	Mina Array Bea	38.03	318	P	P	05 46 02.9 +1.5	
LMM	Caledonia Moun	38.20	25	eP	P	05 46 03.5 +1.0	
ULN	Lac du Bonnet	38.28	351	P	P	05 46 02.2 -1.7	
MCMT	McKenzie Canyo	39.12	330	eP	P	05 46 13.0 +2.5	
BOZ	Bozeman (W)	39.13	332	eP	P	05 46 11.8 +1.4	
BOZ	Bozeman (W)	39.13	332	P	P	05 46 10.8 +0.4	

# 2013 APR

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
FCC	Flin Flon	43.79	347	eP	P	05 46 48.4 +0.4	
FCC	Fort Churchill	46.52	355	eP	P	05 47 08.9 -0.5	
YKA	Yellowknife Ar	57.73	344	P	P	05 48 03.0 -0.5	
LZH	Lanzhou	130.65	348	ePKIP	PKIKP	05 57 50.3 -1.3	
LZH	Lanzhou	130.65	348	P	P	05 58 02.8	
CD2	Chengdu	135.67	347	PKP	PKP	05 57 59.3 -1.5	
ASAR	Alice Springs	139.75	248	PKP	PKIKP	05 58 09.1 -1.1	
WRA	Warramunga Ar	139.77	254	PKP	PKIKP	05 58 09.2 -1.1	
<p>baz=140 comp=Z,1.8nm,0.6s comp=Z,2.6nm,0.6s comp=Z,0.7nm,0.8s,baz=141,slow=7.2,SNR=9.7 comp=E,1.5nm,0.3s,baz=130,slow=7.2,SNR=3.1 comp=Z,0.9nm,0.6s,baz=96,slow=2.0,SNR=11 comp=Z,1.5nm,0.6s,baz=329,slow=4.2,SNR=29.5 comp=Z,1.5nm,0.6s,baz=330,slow=6.9,SNR=9.3</p>							
<p>IDD 29 05:45:03.3±1.2, 33°53'N-97°71'E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.5/42, mbtimp3.9/5, Error ellipse: s-maj=47.4km s-min=20.9km az=59.0 ISC 29 05:45:05.6±1.4, 33.63°N, 02°97.9'E, h10km, n6, c1977/7, mb3.9/5, Qinghai</p>							
Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
XAN	Xi'an	9.19	84	Op	ISC	05 47 20.3 +2.0	
XAN	Xi'an			Pg	h m s	05 47 40.3	
XAN	Xi'an			Sg	ISC	05 48 59.0 -2.7	
XAN	Xi'an			smax	smax		
ZALV	Zalesovo Beam	22.33	339	P	P	05 50 02.9 -0.4	
BVAR	Borovoye Array	27.59	323	P	P	05 50 51.7 -1.1	
USRK	Ussuriysk Arr	28.37	58	P	P	05 51 00.7 +0.8	
WRA	Warramunga Ar	63.60	141	P	P	05 55 35.5 -1.3	
ASAR	Alice Springs	66.49	144	P	P	05 55 56.0 +0.4	
<p>BUI 29 05:45:41.8, 30°25'N-102°89'E, h21km, ML3.3/11, 1D, Sichuan</p>							
Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
CD2	Chengdu	1.00	48	iP	ISC	05 46 00.5 +0.1	
CD2	Chengdu			Pg	h m s	05 46 13.8 -0.3	
CD2	Chengdu			smax	smax		
CD2	Chengdu			smax	smax		
GYA	Gulyang	5.03	138	Pn	Pn	05 47 01.5 +5.3	
GYA	Gulyang			Sb	Sb	05 48 18.8 +2.5	
GYA	Gulyang			Sg	Sg		
GYA	Gulyang			smax	smax		
WMQ	Urumqi	18.14	322	eP	P	05 49 52.8 +0.1	
<p>SOF 29 06:19:36.1, 42°21'N-26°26'E, h5km BEO 29 06:19:37.4±1.1, 42°23'N-26°15'E, h0km, ML2.6/5 THE 29 06:19:38.4, 42°08'N-26°31'E, h1km, ML3.0/5, Error ellipse: s-maj=2.2km s-min=0.7km az=5.0 ISC 29 06:19:40.3±1.1, 41°19'N-26°41'E, h7km, ML2.9/9 ISC 29 06:19:35.7±1.1, 42°23'N-26°29'E, h6km, 10km, n70, c1826/0, 10C-5D, Bulgaria</p>							
Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
JMB	Yambol	0.33	42	Op	ISC	06 19 43.0 +0.9	
EDRB	Edirne	0.51	138	PG	PG	06 19 45.8 +0.3	
EDRB	Edirne	0.51	138	P	P	06 19 52.1 0.0	
EDRB	Edirne			Sg	Sg	06 19 52.1 0.0	
DIM	Dimitrograd	0.59	253	P	P	06 19 47.0 0.0	
KDZ	Kardzhali	0.87	229	PG	PG	06 19 57.2 +2.7	
KDZ	Kardzhali			SG	SG	06 20 09.5 +2.0	
SZAV	Strazhica	1.07	346	P	P	06 19 57.2 -0.2	
PHSR	Pinarhisar	1.10	122	SG	SG	06 19 56.9 -0.2	
PHSR	Pinarhisar			SG	SG	06 20 10.6 -1.1	
PHSR	Pinarhisar	1.10	122	iP	Pb	06 19 56.3 -0.8	
PHSR	Pinarhisar	1.10	122	S	Pb	06 20 10.7 -1.0	
ROIA	ROIARI	1.18	42	P	Pg	06 19 59.9 +1.5	
PLD	Plodiv	1.19	265	eP	Pg	06 19 57.6 -1.3	
PLD	Plodiv			SG	SG	06 20 11.9 -2.9	
PVL	Pavlikeni	1.22	325	P	Pb	06 19 59.7 +0.6	
RDO	Rodhopi	1.22	208	PG	Pn	06 19 59.3 0.0	
RDO	Rodhopi	1.22	208	P	Pn	06 19 59.0 -0.3	
RDO	Rodhopi			S	Sb	06 20 14.8 -0.5	
RZN	Rozhen	1.27	40	P	Pb	06 20 00.3 +0.2	
RZN	Rozhen	1.29	246	P	Pn	06 20 11.9 -0.8	
ALN	Alexandroupoli	1.34	188	PG	Pn	06 20 00.9 -0.1	
ALN	Alexandroupoli	1.34	188	P	Pn	06 20 00.9 -0.1	
ALN	Alexandroupoli			S	Sn	06 20 18.7 -0.4	
ENEZ	Enez	1.49	184	PN	Pn	06 20 03.8 +0.7	
ERIK	Erzurum	1.59	281	P	Pn	06 20 10.9 -0.7	
CTYL	Yalilik Yolu	1.67					





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KTMS, BOOM, KU, DJR, etc.

IDC 29 09:15:57.2.2.5, 15.10S-174.75W, h0km, mb4.1/5, mb1 4.4/5, mb1mx3.9/32, mbtmp4.1/5, Error ellipse: s-maj=137.2km s-min=25.1km az=143.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA, WRA, ASAR, etc.

NNC 29 09:18:14.8.1.6, 53.47N-87.56E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=13.3km s-min=8.3km az=72.0, Suspected Mining explosion.

ASRS 29 09:18:11.2.53.55N-87.74E, M2.7, 5C-9D, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, G5 RS, 224p + CD-ROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAAO, KURK, KURB, etc.

IDC 29 09:45:26.1.2.2, 3.62S-152.02E, h0km, mb3.7/3, mb1 3.8/3, mb1mx3.5/38, mbtmp3.7/3, Error ellipse: s-maj=80.2km s-min=30.7km az=113.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, FITZ, etc.

KRSC 29 09:48:14.8.10.0, 53.18N-159.25E, h138km, 10km, ML4.0 IDC 29 09:48:16.7.0.8, 53.42N-158.66E, h139km, 7km, mb2.9/5, mb1 3.2/5, mb1mx3.0/47, mbtmp3.3/5, Error ellipse: s-maj=35.7km s-min=30.0km az=146.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NLC, SDR, UGLR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRER, KORYAKSKII, DALK, etc.

IDC 29 09:53:44.2.7.1, 3.34N-127.63E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.4/37, mbtmp3.6/3, Error ellipse: s-maj=144.8km s-min=112.7km az=77.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, STKA, etc.

IDC 29 09:53:56.7.7.2, 23.54S-176.13W, h0km, mb4.0/4, mb1 4.2/4, mb1mx3.7/35, mbtmp4.0/4, Error ellipse: s-maj=264.0km s-min=47.8km az=22.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTA, ASAR, WRA, etc.

IDC 29 10:09:06.5.24.0, 11.44N-86.56W, h0km, mb3.2/3, mb1 3.7/3, mb1mx3.4/27, mbtmp3.2/3, Error ellipse: s-maj=529.3km s-min=116.6km az=9.0, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TXAR, PDAR, YKA, etc.

MEX 29 10:13:15.3.0.3, 6.282N-98.35W, h3km, 3km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PNIG, TLIG, CAIG, etc.

DDA 29 10:17:15.4, 34.04N-32.64E, h44km, ML3.5 NSSC 29 10:17:16.6.0.5, 34.58N-33.28E, h0km, 999km, ML2.9 Gil 29 10:17:18.8.0.3, 33.98N-32.79E, h32km, MD2.1/4

ISC 29 10:17:18.8.0.4, 34.00N-32.75E, h25km, ML3.4 NIK 29 10:17:22.2, 34.91N-32.91E, h9km, ML2.7/6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SZAC, PPHY, CSS, etc.

DDA 29 10:17:14.4, 3.233N-103.327E, h014km, n53, -1569/74, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNTI, AKK2, AKK1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OFRI, YESI, KARG, etc.

IDC 29 10:28:40.4.6.35, 45N-141.161E, h0km, mb3.3/2, mb1 3.4/3, mb1mx3.2/33, mbtmp3.2/3, MS2.3/1, Ms1 2.3/1, ms1mx2.0/18, Error ellipse: s-maj=133.0km s-min=32.2km az=55.0

JMA 29 10:28:45.7.0.1, 35.41N-141.11E, h32km, 2km, M2.7 ISC 29 10:28:45.1.1.4, 35.43N-141.11E, h25km, n20, s1566/17, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHOI, JSHI, JIHU, etc.

IDC 29 10:30:42.8.0.6, 5.38N-99.30W, h0km, mb4.7/17, mb1 4.9/20, mb1mx4.7/34, mbtmp4.7/20, ML3.9/3, MS4.2/15, Ms1 4.9/20, ms1mx4.1/27, Error ellipse: s-maj=20.7km s-min=12.1km az=55.0

MOS 29 10:30:43.9.0.9, 5.49N-99.13W, h10km, mb5.2/34, Error ellipse: s-maj=11.3km s-min=7.1km az=99.7

NEIC 29 10:30:45.7.1.3, 5.48N-99.16W, h10km, mb5.0/296, Error ellipse: s-maj=22.3km s-min=15.4km az=240.0

GCMT 29 10:30:47.0.2, 5.58N-0.01W, 99.13W, 0.01, h14km, MW5.2/95, Moment Tensor Solution: s84, c130, s85, t179, Duration: 10, Moment tensor: Scale 1017Nm; Mn-0.77e-02; Mw0.58; 0.01; Mw0.19; 0.01; Mw0.01; 0.03; Mw-0.53e-01; Mw-0.11e-03; Best double couple: Mo.87200x1017 NP1.0x313.00000, 848.00000, -79.00000, NP2.0x117.00000, 643.00000, -1.02.00000, Principal axes: T 0.9550, Plg3.00000, Azm35.00000; N -0.1650, Plg8.00000, Azm126.00000; P -0.7890, Plg82.00000, Azm287.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 29 10:30:45.2.0.3, 5.49N-0.05E, 99.18W, 0.06, h10km, n735, s193/77, mb5.0/61, MS4.4/21, 7C-11D, Eastcentral Pacific Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHOI, JSHI, JIHU, etc.

IDC 29 10:30:42.8.0.6, 5.38N-99.30W, h0km, mb4.7/17, mb1 4.9/20, mb1mx4.7/34, mbtmp4.7/20, ML3.9/3, MS4.2/15, Ms1 4.9/20, ms1mx4.1/27, Error ellipse: s-maj=20.7km s-min=12.1km az=55.0

MOS 29 10:30:43.9.0.9, 5.49N-99.13W, h10km, mb5.2/34, Error ellipse: s-maj=11.3km s-min=7.1km az=99.7

NEIC 29 10:30:45.7.1.3, 5.48N-99.16W, h10km, mb5.0/296, Error ellipse: s-maj=22.3km s-min=15.4km az=240.0

GCMT 29 10:30:47.0.2, 5.58N-0.01W, 99.13W, 0.01, h14km, MW5.2/95, Moment Tensor Solution: s84, c130, s85, t179, Duration: 10, Moment tensor: Scale 1017Nm; Mn-0.77e-02; Mw0.58; 0.01; Mw0.19; 0.01; Mw0.01; 0.03; Mw-0.53e-01; Mw-0.11e-03; Best double couple: Mo.87200x1017 NP1.0x313.00000, 848.00000, -79.00000, NP2.0x117.00000, 643.00000, -1.02.00000, Principal axes: T 0.9550, Plg3.00000, Azm35.00000; N -0.1650, Plg8.00000, Azm126.00000; P -0.7890, Plg82.00000, Azm287.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 29 10:30:45.2.0.3, 5.49N-0.05E, 99.18W, 0.06, h10km, n735, s193/77, mb5.0/61, MS4.4/21, 7C-11D, Eastcentral Pacific Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAYG, TLIG, CMIG, etc.

29Dc 10h

Table with columns: Call Sign, Name, Power, Frequency, Band, Mode, and other technical details. Includes stations like Heredia, Las Esperanzas, SOCOHO T-PHASI, etc.

2013 APR

Table with columns: Call Sign, Name, Power, Frequency, Band, Mode, and other technical details. Includes stations like Midway, Basin Creek Fa, Eclectic, etc.

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Table with columns: Call Sign, Name, Power, Frequency, Band, Mode, and other technical details. Includes stations like Catalina Islan, Gracelyn & Ava, Loudon, etc.

S52A	Salyersville	35.24	22	P	P	10 37 40.4 +0.4
O41A	Pasleys Farm, baz=208	35.27	11	P	P	10 37 40.5 +0.4
T54A	Tazewell, baz=194,SNR=14	35.31	25	P	P	10 37 40.6 +0.1
VES	Vestal, Richgr	35.32	331	P	P	10 37 42.4 +1.8
R50A	Paris, baz=144,SNR=7.5	35.32	20	P	P	10 37 40.8 +0.1
SMCC	Simmler, baz=206	35.34	330	P	P	10 37 42.2 +1.3
CWC	Cottonwood Cre, baz=142	35.34	333	P	P	10 37 42.2 +1.1
V58A	Windy Hill, Pi, baz=216	35.36	29	P	P	10 37 41.8 +0.8
OGNE	Ogallala, baz=175	35.39	356	P	P	10 37 42.7 +1.4
P45A	Graceland, Par, baz=200	35.42	15	P	P	10 37 42.2 +0.7
O20A	White River Ci, baz=164,SNR=22	35.44	348	P	P	10 37 43.7 +1.9
Q48A	North Vernon, baz=203	35.45	18	P	P	10 37 42.0 +0.3
W60A	Pink Hill, baz=219	35.47	31	P	P	10 37 42.2 +0.3
GRAC	Grapevine Rang, baz=148	35.49	335	P	P	10 37 44.1 +1.9
O42A	Bath, baz=151	35.51	12	P	P	10 37 43.2 +1.0
SS3A	Williamson, baz=196	35.61	24	P	P	10 37 43.6 +0.4
P46A	Rosedale, baz=201,SNR=9.2	35.65	16	P	P	10 37 43.9 +0.5
T55A	Pulaski, baz=212	35.69	26	P	P	10 37 43.6 -0.3
O43A	Sugar Creek Fa, baz=197	35.76	13	P	P	10 37 45.0 +0.7
V59A	Middlesex, baz=217	35.76	30	P	P	10 37 44.6 +0.1
N23A	Red Feather La, baz=168,SNR=9.4	35.76	351	P	P	10 37 46.2 +1.5
U57A	Blanch, baz=215	35.77	28	P	P	10 37 45.0 +0.5
BGNE	Belgrade, baz=182	35.77	1	P	P	10 37 44.8 +0.3
Q49A	Aurora, baz=205	35.78	19	P	P	10 37 44.9 +0.3
P47A	Martinsville, baz=202	35.80	17	P	P	10 37 44.8 +0.1
O44A	Mansfield, baz=198	35.83	14	P	P	10 37 45.7 +0.8
N41A	Harden Midland, baz=194	35.85	11	P	P	10 37 45.7 +0.6
N40A	Mertquake, Sal, baz=193,SNR=9.4	35.89	10	P	P	10 37 45.8 +0.4
TIN	Tinemaha, Big, baz=146,SNR=5.8	35.92	334	P	P	10 37 48.7 +2.8
BLA	Blackburg, baz=213	35.93	26	P	P	10 37 45.6 -0.3
R11A	Troy Canyon, C, baz=152,SNR=15	35.94	338	P	P	10 37 48.4 +2.2
W61A	Ground Anchor, baz=229	35.94	32	P	P	10 37 46.8 +0.9
T56A	Rocky Mt, baz=214,SNR=6.2	35.95	27	P	P	10 37 46.4 +0.4
Q50A	Georgetown, baz=206	35.95	20	P	P	10 37 46.0 0.0
R52A	Catlettsburg, baz=209	35.98	22	P	P	10 37 46.8 +0.5
HDIL	Hopedale, baz=197,SNR=6.8	36.02	13	P	P	10 37 47.6 +1.0
P48A	Milroy, baz=204	36.03	18	P	P	10 37 46.8 +0.1
O45A	Potomac, baz=200	36.11	15	P	P	10 37 48.2 +0.8
U58A	Oxford, baz=216	36.11	29	P	P	10 37 47.5 0.0
R53A	Hurricane, baz=210	36.24	23	P	P	10 37 49.1 +0.5
V60A	Jim Taylor Roa, baz=219	36.25	31	P	P	10 37 49.1 +0.4
T57A	Hurt, baz=215	36.27	27	P	P	10 37 49.2 +0.4
P49A	Miami Univ. Ec, baz=205	36.32	19	P	P	10 37 49.1 -0.1
Q51A	Peebles, baz=207	36.33	21	P	P	10 37 49.6 +0.3
S55A	Lewisburg, baz=212	36.36	25	P	P	10 37 49.8 +0.2
M39A	Webster, baz=192,SNR=7.7	36.37	9	P	P	10 37 49.9 0.0
SFIN	Lafayette, baz=200	36.39	16	P	P	10 37 49.9 +0.2
M40A	Post Highland, baz=193	36.41	10	P	P	10 37 50.3 +0.4
N43A	Stutzman Famil, baz=197	36.41	13	P	P	10 37 50.8 +0.9
U59A	Littleton, baz=218	36.45	30	P	P	10 37 49.9 -0.4
R54A	Victor, baz=211	36.50	24	P	P	10 37 51.4 +0.6
O47A	Sheridan, baz=202	36.52	17	P	P	10 37 51.2 +0.3
N44A	Piper City, baz=199	36.52	14	P	P	10 37 51.6 +0.8
M41A	Milan, baz=194,SNR=6.4	36.55	11	P	P	10 37 51.6 +0.5
T58A	Grand View Acr, baz=216	36.56	28	P	P	10 37 51.8 +0.5
V61A	Roper, baz=220	36.63	32	P	P	10 37 51.9 +0.1
SCIA	State Center, baz=190	36.65	7	P	P	10 37 52.5 +0.6
DUG	Dugway, Tooeel, comp=Z,25nm,1.8s	36.66	342	P	P	10 37 54.1 +1.8
DUG	Dugway, Tooeel, baz=157,SNR=21	36.66	342	P	P	10 37 54.4 +2.1
MLAC	Mammoth, Mammo, baz=146,SNR=8.7	36.67	333	P	P	10 37 54.9 +2.4
Q52A	Bidwell, baz=209,SNR=7.6	36.67	22	P	P	10 37 52.5 +0.3
S56A	Natural Bridge, baz=214	36.69	26	P	P	10 37 52.5 +0.2
P50A	Jamestown, baz=206	36.69	20	P	P	10 37 52.4 0.0
N45A	Kentland, baz=200	36.72	15	P	P	10 37 53.0 +0.4
M42A	Sheffield, baz=196	36.78	12	P	P	10 37 53.4 +0.3
P51A	Williamsport, baz=207	36.84	21	P	P	10 37 53.7 +0.1
O48A	Farmland, baz=204,SNR=6.2	36.84	18	P	P	10 37 53.1 -0.5
U60A	Pendleton, baz=218	36.86	30	P	P	10 37 54.1 +0.3
Q53A	Leroy, baz=210	36.87	23	P	P	10 37 54.0 +0.2
M43A	Waltham Townsh, baz=197,SNR=12	36.94	13	P	P	10 37 55.1 +0.7
R55A	Marlington, baz=213	36.95	25	P	P	10 37 54.6 -0.1
N46A	Monticello, baz=201	36.97	16	P	P	10 37 55.0 +0.3
L39A	Vinton, baz=192	37.03	9	P	P	10 37 55.1 -0.1
S57A	Dark Hollow, R, baz=215,SNR=12	37.03	27	P	P	10 37 54.1 -1.2
O49A	Covington, baz=205,SNR=8.3	37.04	19	P	P	10 37 55.0 -0.3
T59A	Double "B" Far, baz=217,SNR=8.5	37.05	29	P	P	10 37 55.7 +0.2
L40A	Anamosa, baz=193	37.10	10	P	P	10 37 55.9 +0.1
NV4R	Mina Arroya Bay, comp=Z,14nm,1.0s,baz=161,slow=8,SNR=49	37.10	335	P	P	10 37 58.4 +2.3
NV4R	NV4R, comp=Z,3.2nm,0.9s,baz=151,slow=4.0,SNR=5	10 51 11.4				10 40 16.7 0.0
NV4R	NV4R, comp=Z,206nm,18.8s,baz=132,slow=33	10 51 11.4				10 51 11.4
M44A	Midewin, Midew, baz=198,SNR=5.3	37.10	14	P	P	10 37 56.3 +0.5
U61A	Possum Corner, baz=219	37.11	31	P	P	10 37 56.1 +0.2
O50A	Cable, baz=206	37.24	20	P	P	10 37 56.9 -0.1
L41A	Preston, baz=206	37.24	11	P	P	10 37 56.8 -0.1

N47A	baz=194	37.25	17	P	P	10 37 56.6 -0.5
Q54A	Coxs Mills, baz=202,SNR=5.9	37.25	24	P	P	10 37 57.7 +0.6
M45A	Boilermakers S, baz=200	37.30	15	P	P	10 37 57.5 0.0
P52A	Corning, baz=209,SNR=7.8	37.31	22	P	P	10 37 57.5 -0.1
S58A	Poland Farm, P, baz=216	37.33	28	P	P	10 37 57.7 -0.1
L42A	Oliver, Polo, baz=196,SNR=7.1	37.33	12	P	P	10 37 57.7 0.0
N48A	Decur, baz=204,SNR=5.5	37.43	18	P	P	10 37 58.3 -0.2
P53A	Whipple, baz=210,SNR=5.7	37.46	23	P	P	10 37 59.4 +0.5
ACSO	Alum Creek Sta, baz=207	37.53	21	P	P	10 37 59.4 -0.1
M46A	Old House Fiel, baz=201	37.55	16	P	P	10 37 59.2 -0.4
Q55A	Buckhannon, baz=212	37.57	25	P	P	10 37 59.7 -0.2
K22A	Casper, baz=168,SNR=5.5	37.57	351	P	P	10 38 00.4 +0.5
LP4Z	La Paz, comp=Z,24nm,1.0s,baz=310,slow=9.3,SNR=24	37.58	126	P	P	10 38 01.0 +0.1
LP4Z	LP4Z, comp=Z,3.1nm,0.7s,baz=353,slow=4.0,SNR=6.6	10 51 32.4				10 40 18.6 -0.3
LP4Z	LP4Z, comp=Z,364nm,20.6s,baz=308,slow=33	10 51 32.4				10 51 32.4
LP4Z	La Paz, comp=Z,32nm,1.0s	37.58	126	eP	P	10 38 01.5 +0.6
LP4Z	La Paz, comp=Z,32nm,1.0s	37.58	126	eP	P	10 38 01.5 +0.6
LP4Z	La Paz, comp=Z,32nm,1.0s	37.58	126	eP	P	10 38 01.1 +0.1
O51A	Pataskala, baz=208	37.59	21	P	P	10 37 59.7 -0.2
T60A	Surry, baz=198	37.59	30	P	P	10 37 59.8 -0.2
K39A	Delwein, baz=192	37.62	9	P	P	10 37 59.7 -0.4
R57A	Stanardsville, baz=215	37.67	27	P	P	10 38 00.7 +0.1
R58B	Milme, baz=216	37.69	28	P	P	10 38 00.9 +0.1
L43A	Garden Prairie, baz=197,SNR=7.0	37.70	13	P	P	10 38 00.9 +0.1
M47A	Cromwell, baz=202	37.71	17	P	P	10 38 00.5 -0.5
K40A	Colesburg, baz=193	37.73	10	P	P	10 38 01.3 +0.1
N49A	Columbus Grove, baz=205	37.75	19	P	P	10 38 00.9 -0.4
K41A	Shullsburg, baz=194,SNR=6.1	37.79	11	P	P	10 38 01.7 +0.1
S59A	Mechanicsville, baz=207	37.81	29	P	P	10 38 00.3 -1.5
O52A	Adamsville, baz=209	37.84	22	P	P	10 38 02.0 -0.1
L44A	Lake County Fo, baz=198	37.88	14	P	P	10 38 02.8 +0.4
P54A	Edgerton, baz=211	37.92	24	P	P	10 38 02.9 +0.1
N50A	Nevada, baz=206	37.95	20	P	P	10 38 02.8 -0.2
M48A	Edgerton, baz=204	38.10	18	P	P	10 38 03.6 -0.6
JFWS	Jewell Farm, baz=194,SNR=9.6	38.10	11	P	P	10 38 04.4 +0.2
L46A	Eue Claire, baz=201	38.13	16	P	P	10 38 04.0 -0.5
K42A	Prairie Point, baz=196,SNR=5.6	38.14	12	P	P	10 38 04.7 +0.1
ECSD	EROS Data Cent, baz=194,SNR=12	38.15	3	P	P	10 38 04.6 0.0
O53A	New Philadelphia, baz=210,SNR=5.5	38.19	22	P	P	10 38 05.2 +0.2
MCWV	Mont Chateau, baz=205	38.23	24	P	P	10 38 05.5 +0.1
BW06	Souldier Array, baz=163,SNR=4.2	38.24	348	P	P	10 38 06.6 +0.9
PDAR	Pinedale Arroy, comp=Z,15nm,0.6s,baz=148,slow=8.7,SNR=95	38.24	348	P	P	10 38 06.8 +1.0
PDAR	PDAR, comp=Z,4.2nm,0.8s,baz=144,slow=3.7,SNR=10	10 52 46.6				10 40 19.3 -0.8
PDAR	PDAR, comp=Z,191nm,19.8s,baz=186,slow=34	10 52 46.6				10 52 46.6
R59A	King George, V, baz=224	38.24	29	P	P	10 38 05.4 -0.1
J39A	Decorah, baz=192	38.26	9	P	P	10 38 05.6 0.0
K43A	Burlington, baz=205	38.28	13	P	P	10 38 06.1 +0.3
M49A	Liberty Center, baz=205	38.32	19	P	P	10 38 05.4 -0.7
Q57A	Strasburg, baz=215	38.32	26	P	P	10 38 05.9 -0.3
N51A	Ashland, baz=208	38.35	21	P	P	10 38 06.1 -0.3
L47A	Sherwood, baz=203,SNR=5.9	38.40	17	P	P	10 38 06.1 -0.7
O54A	Avealla, baz=211	38.46	23	P	P	10 38 06.0 -1.3
J40A	Soldiers Grove, baz=194,SNR=14	38.48	10	P	P	10 38 07.4 0.0
M50A	Fremont, baz=206	38.56	20	P	P	10 38 07.7 -0.4
J41A	Loganville, baz=195	38.58	11	P	P	10 38 07.9 -0.4
G001	Chusmiza, comp=Z,14nm,1.1s	38.68	131	eP	P	10 38 10.6 +0.6
J42A	Columbus, baz=196	38.70	12	P	P	10 38 09.3 0.0
R5SD	Black Hills, comp=Z,44nm,1.8s	38.71	354	eP	P	10 38 10.5 +0.9
R5SD	Black Hills, comp=Z,44nm,1.8s	38.71	354	eP	P	10 38 10.5 +0.9
R5SD	Black Hills, comp=Z,44nm,1.8s	38.71	354	eP	P	10 38 10.5 +0.9
R5SD	Black Hills, comp=Z,44nm,1.8s	38.71	354	eP	P	10 38 10.5 +0.9
M51A	Elyria, baz=208	38.79	21	P	P	10 38 09.5 -0.6
I39A	Houston, baz=192	38.80	9	P	P	10 38 10.0 -0.1
N53A	Lisbon, baz=210,SNR=9.4	38.82	22	P	P	10 38 10.3 -0.1
K46A	Dorr, baz=201	38.90	16	P	P	10 38 10.3 -0.7
J43A	Natural Harves, baz=197	38.91	13	P	P	10 38 11.0 0.0
O55A	Ligonier, baz=212	38.91	24	P	P	10 38 10.9 -0.2
L49A	Milan, baz=205	38.96	18	P	P	10 38 10.8 -0.6
I40A	Norwalk, baz=194,SNR=7.1	38.98	10	P	P	10 38 11.7 +0.1
PLIO	Pelee Island, baz=203	39.01	20	P	P	10 38 11.1 -0.7
K47A	Vermontville, baz=203	39.07	17	P	P	10 38 12.0 -0.7
AAM	Ann Arbor, baz=205	39.17	18	P	P	10 38 12.4 -0.8
L50A	Kinross, baz=206	39.21	19	P	P	10 38 13.0 -0.5
M52A	Chesterland, baz=209	39.26	21	P	P	10 38 13.5 -0.6
O56A	Blue Knob Stat, baz=214	39.27	25	P	P	10 38 12.9 -1.3
I41A	Arkdale, baz=195	39.27	11	P	P	10 38 13.7 -0.3
N54A	Moraine State, baz=196,SNR=7.7	39.28	23	P	P	

29d 11h

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Contains station data for 29d 11h.

2013 APR

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Contains station data for 2013 APR.

1764

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Contains station data for 1764.

Table with columns: Code, Station Name, Az, El, P, S, Phase ID, Time Res. MEX 29 11:05:42.0±0.2, 17.88N×102.30W, h13km, MD3.9, Near coast of Michoacan.

Table with columns: Code, Station Name, Az, El, P, S, Phase ID, Time Res. IDC 29 11:00:09.1±5.4, 18.80S×173.52W, h0km, mb3.7/4, mb1.4/0.5, mb1mx3.7/35, mbtmp3.8/5, ML4.0/1, MS3.8/1, Ms1.3/8.1, ms1mx2=8/36, Error ellipse: s-maj=282.4km s-min=38.9km az=150.0, Tonga Islands.

Table with columns: Code, Station Name, Az, El, P, S, Phase ID, Time Res. IDC 29 11:02:12.6±48.0, 15.61S×178.04W, h0km, mb4.0/3, mb1.4/2.3, mb1mx3.6/32, mbtmp4.0/3, Error ellipse: s-maj=890.7km s-min=167.2km az=76.0, Fiji Islands region.





*Tensor Solution. s256 Moment tensor: Scale 1071Nm; M<sub>1</sub>:1.47; M<sub>2</sub>:0.35; M<sub>3</sub>:1.12; M<sub>4</sub>:0.92; M<sub>5</sub>:0.13; M<sub>6</sub>:3.01; Best double couple: M<sub>3</sub>:4.0000°1017° NP1:16.00000°, 579.00000°, λ:92.00000°. NP2:188.00000°, δ:11.00000°, λ:81.00000°. Principal axes: T 3.5700, Plg56.0000°, Azm288.0000°; N -0.3400, Plg1.0000°, Azm196.0000°; P -3.2300, Plg33.0000°, Azm104.0000°.*

*IDC 29 13:01:43.8,2.8,35.79N;141.01E,h20km,17km,mb5.1/40, mb1.5/243,mb1mx5.1/51,mbtmp5.2/43,ML.7/3,M55.2/39, Ms1.5/239,ms1mx5.2/43 Error ellipse: s-maj=11.9km s-min=7.7km az=98.0.*

*NEIC 29 13:01:44.7,0.1,35.70N;140.98E,h35km,mb5.3/294, M55.1/53,MW5.5,MW5.6, Error ellipse: s-maj=2.9km s-min=2.0km az=145.0 Moment Tensor Solution. s77 Moment tensor: Scale 1071Nm; M<sub>1</sub>:1.51; M<sub>2</sub>:0.17; M<sub>3</sub>:1.34; M<sub>4</sub>:0.91; M<sub>5</sub>:0.39; M<sub>6</sub>:1.66; Best double couple: M<sub>3</sub>:4.0000°1017° NP1:15.00000°, δ:72.00000°, λ:108.00000°. NP2:148.00000°, δ:25.00000°, λ:46.00000°. Principal axes: T 2.6300, Plg59.0000°, Azm310.0000°; N -0.5200, Plg17.0000°, Azm189.0000°; P -2.1000, Plg25.0000°, Azm91.0000°.*

*NEIC Felt [IV] at Tsukuba and [III] at Chiba, Narita, Saitama and Tokyo. Felt in much of east-central Honshu. Recorded [3 JMA] in Chiba and Ibaraki.*

*JMA 29 13:01:44.8,0.1,35.81N;141.13E,h34km,1km,M5.6 Broadband fault plane solution: P waves. NP1: 10.32 00000°, δ:64.00000°, λ:87.00000°. NP2:219.00000°, δ:26.00000°, λ:96.00000°. Principal axes: T Plg71.0000°, Azm295.0000°; N Plg3.0000°, Azm33.0000°; P Plg19.0000°, Azm124.0000°.*

*JMA Felt III J1.*

*GCMT 29 13:01:47.7,0.1,35.73N;0.01;141.19E;0.01,h34km, MW5.6/113, Moment Tensor Solution. s101,c199; s113,c269; Duration: 196 Moment tensor: Scale 1017 Nm; M<sub>1</sub>:2.58; M<sub>2</sub>:0.4; M<sub>3</sub>:1.00; M<sub>4</sub>:2.38; M<sub>5</sub>:0.3; M<sub>6</sub>:0.83; M<sub>7</sub>:0.84; M<sub>8</sub>:0.2; M<sub>9</sub>:2.37; M<sub>10</sub>:0.5; Best double couple: M<sub>3</sub>:6.3200°1017° NP1:19.00000°, δ:67.00000°, λ:90.00000°. NP2:199.00000°, δ:23.00000°, λ:89.00000°. Principal axes: T 3.5870, Plg68.0000°, Azm290.0000°; N 0.0920, Plg0.0000°, Azm199.0000°; P -3.6760, Plg22.0000°, Azm109.0000°; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function*

*ISC 29 13:01:44.1±0.4,35.78N;0.02;141.06E;0.03,h29km,2km, h29km;P-P,n1544,±146/1633,mb5.3/466,M55.3/143, 143C-45D,Near east coast of eastern Honshu*

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
						h m s	ISC
CHOJ	Choshi	0.18	244	Op	ISC	13 01 51.8	+0.9
CHOJ				S	Sb	13 01 56.8	+2.9
JIHU	Itakohorinouch	0.47	293	P	Pb	13 01 56.1	+1.2
JSMT	Sammumatsuo	0.52	354	P	Pb	13 01 56.7	+1.2
JHYU	Hitachinakayam	0.68	326	P	Pb	13 01 58.3	+0.6
JHYU				S	Sb	13 02 08.0	+0.7
ISOJP	ISUMI INFRASON	0.77	232	Pg	Pb	13 02 01.4	+2.5
ISOJP				Lg	Lg	13 02 12.8	
JCN	nagara	0.79	243	Op	Pb	13 02 01.5	+2.3
JYT	Yasato	0.83	303	Op	Sb	13 02 00.2	+0.3
JYT				S	Sb	13 02 10.7	-0.1
JHO	Hitachi	0.92	335	Op	Pb	13 02 01.3	+0.3
JHO				S	Sb	13 02 14.2	+0.3
JKUC	kamogawauchiur	0.94	229	P	Pb	13 02 03.0	+1.3
BSO4	Boso 4	0.99	217	P	Pb	13 02 03.4	+0.9
BSO3	Boso 3	1.08	205	P	Pb	13 02 04.0	+0.1
BSO1	Boso 1	1.13	183	P	Pb	13 02 04.1	-0.5
ONAJ	Iwakimizuishiy	1.32	351	Op	Pb	13 02 07.0	+0.2
JJFD	Fukushimafurud	1.37	343	Op	Pb	13 02 07.9	+0.7
JAG	Ashikaga	1.45	297	Op	Pb	13 02 09.2	+0.8
JAG				eS	Sb	13 02 26.9	+0.5
JFK	Kawauchi	1.59	355	Op	Pb	13 02 10.6	+0.3
JOD2	Odawara 2	1.69	253	Op	Pb	13 02 13.8	-0.7
JKT	Katashi	1.75	304	Op	Pb	13 02 14.1	+1.4
JRY	Ryogami san	1.77	278	Op	Pb	13 02 14.1	+1.4
JFT	Ofuna	1.83	342	Op	Pb	13 02 15.0	+1.4
JFY	Yamaizu	1.95	327	Op	Pb	13 02 16.7	+1.4
JRN	Shimob	2.07	263	Op	Pb	13 02 19.5	-1.5
JJZ5	Izushimoda	2.08	340	Op	Pb	13 02 18.6	+1.6
JJIM	Marumori	2.24	354	Op	Pb	13 02 21.1	+0.9
JNZ	Kozu shima	2.24	225	P	Pb	13 02 21.1	+0.9
JNT	Takato	2.38	273	P	Pb	13 02 24.8	-1.4
MJAR	Matsushiro Arr	2.43	289	Pn	Pb	13 02 23.3	+1.5
MJAR				S	Sb	13 02 54.2	-2.3
MJAR				LR	LR	13 03 30.4	
MJAR				LR	LR	13 03 30.4	
MAJO	Matsushiro	2.43	289	ePn	Pb	13 02 22.5	+0.7
MAJO				eS	Sb	13 02 54.2	-2.4
MAJO	Matsushiro	2.43	289	dIP	Pb	13 02 22.9	+1.1
MAT	Matsushiro	2.43	289	P	Pb	13 02 24.3	+2.5
MAT				S	Sb	13 02 53.6	+3.0
MAT	Matsushiro	2.43	289	Pn	Pb	13 02 24.3	+2.5
MJB9	Matsu-Tunnel	2.43	289	ePn	Pb	13 02 22.9	+1.0
SHZ3	Shizuoka 3	2.43	254	P	Pb	13 02 25.1	-2.1
JNS	Sasagawa	2.47	326	P	Pb	13 02 24.5	+2.2
JNG	Nsakai	2.48	285	Op	Pb	13 02 24.9	+2.4
JKH	Ishinomakikobu	2.54	7	P	Pb	13 02 23.7	+0.3
JYS	Shirataka	2.56	342	Op	Pb	13 02 25.9	+2.3
JNY	Yasuok	2.64	287	Op	Pb	13 02 28.1	+2.3
JJO	Ouri	2.68	5	Op	Pb	13 02 25.8	+0.6
JJN	Nakama	2.68	300	Op	Pb	13 02 27.9	+2.6
JHJ2	Mitsune	2.85	201	ePn	Pb	13 02 29.2	+1.5
JHJ	Hitchio jima 2	2.86	202	Pn	Pb	13 02 29.8	+2.0
JHJ				S	Sb	13 03 03.1	+2.0
JHJ				S	Sb	13 03 03.1	+2.0
JYA	Atsumi	3.00	339	Op	Pb	13 02 32.1	+2.4
JAW	Awa shima	3.04	332	Op	Pb	13 02 32.0	+1.9
JKMT	Kessennumatomoy	3.04	6	P	Pb	13 02 30.8	+0.6
JYK	Kaneyama	3.18	350	Op	Pb	13 02 34.1	+2.0
INU	Inuyama	3.32	264	ePn	Pb	13 02 37.1	+3.0
JTB	Tobi-shima	3.61	341	Op	Pb	13 02 40.3	+2.3
JTH	Tanohata	4.20	8	Op	Pb	13 02 46.8	+0.7
JKZ	Kuzumaki	4.20	3	Op	Pb	13 02 47.3	+1.1
JAH	Hinai	4.41	356	Op	Pb	13 02 51.2	+2.1
ERM	Erimo	6.43	14	ePn	Pb	13 03 14.9	-1.9
ERM	Erimo	6.43	14	eP	Pb	13 03 15.3	-1.5
ERM				pmax	pmax		
ASAJ	Asahikawa	8.41	8	Pn	Pb	13 03 42.6	-1.3
ASAJ				S	Sb	13 05 16.1	-1.7
ASAJ				LR	LR	13 07 33.3	
GLVR	Golovinno	8.65	22	Op	Pb	13 03 45.7	-1.6
GLVR				eS	Sb	13 05 18.3	-5.6
GLVR				pmax	pmax		
GLVR				pmax	pmax		
GLVR				pmax	pmax		
JNU	Nakatsu	8.82	255	Pn	Pb	13 03 53.6	+4.0
JNU				LR	LR	13 07 48.0	
GRPR	Nakatsu	8.82	255	ePn	Pb	13 03 52.2	+2.6
GRPR	Tuman	8.96	22	eP	Pb	13 03 48.9	-2.6
GRPR				pmax	pmax		
GRPR				pmax	pmax		
GRPR				pmax	pmax		
YUK	Yuzh-Kuril'sk	9.03	23	Op	Pb	13 03 49.5	-2.9
YUK				pmax	pmax		
YUK				pmax	pmax		
YUK				pmax	pmax		
TEY	Ternei	9.85	341	Op	Pb	13 04 05.2	+1.6
TEY				eS	Sb	13 05 56.2	+3.1

TEY	comp=E,30nm,1.4s	pmax	pmax
TEY	comp=N,40nm,1.3s	pmax	pmax
TEY	comp=Z,60nm,1.3s	smax	smax
TEY	comp=N,3um,13.7s	MLR	MLR
TEY	comp=N,11um,16.0s	MLR	MLR
TEY	comp=Z,14um,16.0s	Pn	Pn
MSHR	Mys Shulsta	10.25 314	eP
KSRS	Korea Array	10.69 293	Pn
KSRS	comp=Z,2.2nm,0.3s,baz=100,slow=13,SNR=54	LR	LR
KSRS	comp=Z,25nm,20.4s,baz=93,slow=38	Pn	Pn
KSAR	Wonju Array Be	10.72 263	Pn
KUR	Wonju Array Be	10.72 263	Pn
KUR	Kuril'sk	10.76 27	Op
KUR	comp=Z,161nm,0.6s	pmax	pmax
KUR	comp=N,124nm,0.4s	pmax	pmax
KUR	comp=E,79nm,0.5s	MLR	MLR
USA0B	Ussuriysk Arra	10.90 323	ePn
USRK	Ussuriysk Ar.	10.90 323	Pn
USRK	comp=N,2.7nm,0.3s,baz=139,slow=10,SNR=40	LR	LR
USRK	comp=N,25um,18.7s,baz=131,slow=37	LR	LR
TJN	Taejon	11.10 277	eP
YSS	Yuzh-Sakhalins	11.23 6	ePn
YSS	Yuzh-Sakhalins	11.23 6	eP
YSS			eS
YSS			pmax
MDJ	Mudanjiang	12.43 319	P
MDJ			pP
MDJ			sP
MDJ			pmax
MDJ	comp=Z,17nm,1.2s	pmax	pmax
MDJ	comp=Z,2um,7.6s	LR	LR
MDJ	comp=Z,18um,17.5s	LR	LR
MDJ	comp=Z,1um,19.7s	LR	LR
MDJ	comp=Z,29um,17.3s	LR	LR
MDJ	Mudanjiang	12.43 319	ePn
UGL	Uglegorsk	13.31 3	eP
UGL			S
UGL			pmax
JOW	comp=Z,125nm,1.0s	Pn	P
JOW	Kunigami	14.10 234	Pn
JOW	comp=Z,0.3nm,0.3s,baz=96,slow=18,SNR=9.8	LR	LR
CN2	Changchun	14.41 308	eP
CN2			eS
CN2			pmax
CN2			pmax
CN2	comp=Z,60nm,1.2s	pmax	pmax
CN2	comp=Z,3um,10.0s	LR	LR
CN2	comp=Z,6um,16.0s	LR	LR
CN2	comp=Z,10um,16.0s	LR	LR
CN2	comp=Z,14.2um,16.0s	LR	LR
CN2	comp=Z,12um,16.0s	LR	LR
SNY	Shenyang	14.90 299	Op
SNY			Pn
SNY			pmax
SNY	comp=Z,60nm,1.2s	pmax	pmax
SNY	comp=Z,1um,6.9s	LR	LR
SNY			LR
SNY	comp=Z,6um,14.6s	LR	LR
SNY	comp=Z,11um,16.0s	LR	LR
SNY			LR
KLR	Kuldur	15.07 336	Pn
KLR	comp=Z,1.2nm,0.3s,baz=135,slow=12,SNR=38	LR	LR
TYV	Tymovskoe	15.12 4	eP
TYV			eS
TYV			pmax
TYV	comp=Z,97nm,0.8s	smax	smax
TYV	comp=N,300nm,2.9s	smax	smax
TYV	comp=N,17nm,1.5s	MLR	MLR
TYV	comp=Z,10um,16.0s	MLR	MLR
GRNR	Gornyy	15.35 349	eP
GRNR			pmax
DL2	Dalian	15.76 287	P
DL2			sP
DL2			S
DL2			pmax
DL2	comp=Z,190nm,1.1s	pmax	pmax
DL2	comp=Z,2um,4.2s	LR	LR
DL2	comp=Z,4um,17.3s	LR	LR
DL2	comp=Z,12um,23.1s	LR	LR
DL2	comp=Z,12um,23.1s	LR	LR
SSE	Sheshan	17.23 260	P
SSE			S
SSE			S
SSE	comp=Z,23nm,0.7s	pmax	pmax
SSE	comp=Z,630nm,3.5s	LR	LR
SSE	comp=Z,3um,16.3s	LR	LR
SSE	comp=Z,5um,17.1s	LR	LR
NKL	Nikolayevsk	17.37 359	eP
NKL			pmax
NKL	comp=Z,600nm,6.0s	pmax	pmax
NKL	comp=N,33nm,1.0s	pmax	pmax
NKL	comp=E,26nm,1.0s	pmax	pmax
NKL	comp=Z,150nm,1.0s	MLR	MLR
NKL	comp=N,7um,16.0s	MLR	MLR
NKL	comp=E,3um,16.0s	MLR	MLR
NKL	comp=Z,11um,16.0s	MLR	MLR
OKH	Okha	17.82 4	eP
OKH			pmax
OKH	comp=Z,600nm,14.8s	MLR	MLR
OKH	comp=Z,6um,15.0s	MLR	MLR
SKR	Severo-Kuril's	18.44 31	eP
NJ2	Nanjing	18.79 265	eP
NJ2			sP
NJ2			pmax
NJ2	comp=Z,24nm,0.7s	pmax	pmax
NJ2	comp=Z,3um,8.1s	LR	LR
NJ2	comp=Z,8um,17.4s	LR	LR
NJ2	comp=Z,13um,16.8s	LR	LR
NJ2	comp=Z,15um,19.5s	LR	LR
YOJ	Yonaguni jima	19.23 239	eP
YOJ	comp=Z,120nm,0.9s	pmax	pmax
YOJ	Yonaguni jima	19.23 239	eP
YOJ			pmax
TIA	Tai'an	19.36 278	P
TIA			pmax
TIA	comp=Z,68nm,1.1s	pmax	pmax

TIA	comp=Z,2um,11.4s	pmax	pmax
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29d 13h

Table with columns: Station, Name, SNR, Az, El, AzEl, P, S, X, Y, Z, etc. Includes stations like Denali Highway, Chumysh, Sheep Creek Mo, Kashi, etc.

2013 APR

Table with columns: Station, Name, SNR, Az, El, AzEl, P, S, X, Y, Z, etc. Includes stations like Eagle Plains, Tashkent, Garm, Fitzroy Crossi, etc.

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Table with columns: Station, Name, SNR, Az, El, AzEl, P, S, X, Y, Z, etc. Includes stations like Kevo, Klimovskoe, Hammerfest, etc.





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ISCO Idaho Springs, BALB Balikesir, KZD Kurdzhal, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SRS Serrai, SIGR Tucson, TUC Tucson, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WLF Walferdange, WLF Walferdange, BNM Barren Site, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Casey, Grand Turk, JuntasAbangare, etc.

NEIC 29 13:06:18.6:0.7, 6.76S:154.88E, h95km, 7km, mb4.7/15, Error ellipse: s-maj=7.7km s-min=6.1km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Rabaul, Honiara, Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like McKinley, Denali Highway, South Pole Qui, etc.

BUI 29 13:42:57.0, 3.77N:95.88E, h61km, mb5.0/64, mB5.1/30, Ms4.4/27, Ms7.4/2/24

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Meulaboh, Sinabang, Kotacane, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Rabaul, Honiara, Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sibu, Cisompet, Garu, etc.

GCMT 29 13:42:58.7:0.4, 3.66N:0.03:95.96E:0.03, h48km, 1km, MW4.9/47, Moment Tensor Solution. s27,c35; s47,c70;

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Meulaboh, Sinabang, Kotacane, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Rabaul, Honiara, Port Moresby, etc.



PEA1	Petropavlovsk-	70.29	34	eP	P	13 54 05.8	-0.9	comp=Z,20nm,0.7s	DRME	Dracevica, Mon	77.59	312	iP	P	13 54 49.8	+0.2	LPG	comp=Z,12nm,0.8s	La Plagne	86.69	315	eP	P	13 55 30.0	+1.5
KARP	Karpathos	70.51	306	eP	P	14 29 23.0			NIE	Niedzica	77.73	320	eP	P	13 54 52.2	+2.0	LPG	comp=Z,14nm,0.8s	La Plagne	86.70	315	eP	P	13 55 38.3	+0.8
KLMR	Klimovskoe	70.83	334	eP	P	13 54 07.9	-1.8		NIE	Niedzica	77.73	320	eP	P	13 54 52.2	+2.0	LPL	comp=Z,12nm,0.8s	La Plagne	86.70	315	eP	P	13 55 38.3	+0.8
KLMR	Klimovskoe	70.83	334	eP	P	13 54 07.9	-1.8	comp=Z,10.0nm,0.7s	PSZ	Piszkesteto	77.79	318	iP	P	13 54 51.7	+1.1	LPL	comp=Z,12nm,0.8s	La Plagne	86.70	315	eP	P	13 55 38.3	+0.8
KLMR	Klimovskoe	70.83	334	eP	P	13 54 07.9	-1.8	comp=Z,10.0nm,0.7s	PSZ	Piszkesteto	77.79	318	iP	P	13 54 51.7	+1.1	MBDF	comp=Z,13nm,0.7s	Montbardon	86.70	314	eP	P	13 55 40.1	+2.7
TIXI	Tiksi	70.84	11	eP	KL	13 54 08.4	-1.3	comp=Z,10.0nm,0.7s	UPM	Unac-Piva	77.90	313	eP	P	13 54 51.9	+0.4	MBDF	comp=Z,10.9nm,2.2s	Montbardon	86.70	314	eP	P	13 55 40.1	+2.7
TIXI	Tiksi	70.84	11	eP	KL	13 54 08.4	-1.3	comp=Z,38nm,0.8s	HAF	Hanc Pjlesac,BI	77.97	314	iP	P	13 54 52.1	+0.3	FRF	comp=Z,9.6nm,1.6s	La Foret Royal	86.84	313	eP	P	13 55 38.8	+0.9
TIXI	Tiksi	70.84	11	iP	P	13 54 08.5	-1.1		HCY	Herceg Novi	78.12	312	eP	P	13 54 52.9	+0.3	FRF	comp=Z,9.6nm,1.6s	La Foret Royal	86.84	313	eP	P	13 55 38.8	+0.9
TIR	Tirgusor	71.33	316	eP	P	13 54 13.1	0.0		BRJ	Bratogost	78.14	313	eP	P	13 54 54.1	+1.4	HAU	comp=Z,14nm,0.8s	La Chapelle	87.11	316	eP	P	13 55 40.0	+0.7
TIR	Tirgusor	71.33	316	iP	P	13 54 13.9	+0.7		OJC	Ojcow	78.17	320	eP	P	13 54 52.1	-0.5	HAU	comp=Z,14nm,0.8s	La Chapelle	87.11	316	eP	P	13 55 40.0	+0.7
TIR	Tirgusor	71.33	316	iP	P	13 54 13.9	+0.7		OJC	Ojcow	78.17	320	eP	P	13 54 52.1	-0.5	CABF	comp=Z,181nm,2.4s	Oris-en-Rattie	87.33	315	eP	P	13 55 41.4	+1.0
PHSR	Pinarhisar	71.36	313	iP	P	13 54 14.1	+0.7		OUL	Oulu	78.18	336	P	P	13 54 53.7	+0.4	ORIF	comp=Z,128nm,2.2s	Baives	88.17	320	eP	P	13 55 45.2	+1.0
TBR	Topalu	71.62	316	iP	P	13 54 15.8	+0.9		TREB	Trebinje	78.26	313	eP	P	13 54 56.1	+1.2	BAIF	comp=Z,9.0nm,0.8s	Saint-Julien-L	88.19	315	eP	P	13 55 45.2	+0.8
TLB	Topalu	71.62	316	iP	P	13 54 15.8	+0.9		MORH	Morhy, Hungar	78.42	316	eP	P	13 54 55.2	+0.4	BAIF	comp=Z,9.0nm,0.8s	Saint-Julien-L	88.19	315	eP	P	13 55 45.2	+0.8
CFR	Carcaiu	71.69	316	iP	P	13 54 16.5	+1.2		VYHS	Vyhyne	78.56	319	eP	P	13 54 56.1	+1.2	LOR	comp=Z,67nm,1.9s	Lormes	88.59	317	eP	P	13 55 46.8	+0.5
SEY	Seymchan	71.69	316	iP	P	13 54 16.5	+1.2		VYHS	Vyhyne	78.56	319	eP	P	13 54 56.1	+1.2	LOR	comp=Z,67nm,1.9s	Lormes	88.59	317	eP	P	13 55 46.8	+0.5
SEY	Seymchan	71.69	316	iP	P	13 54 16.5	+1.2	comp=Z,21nm,0.9s,baz=87,slow=5.8,SNR=74	SGF	Sodankyl	78.64	338	P	P	13 54 55.1	-0.8	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
EZN	Ezine	71.90	311	iP	P	13 54 17.2	+0.5		STON	Ston	78.75	313	eP	P	13 54 55.1	-0.8	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
EZE	Ezine	71.90	311	iP	P	13 54 17.2	+0.5		VAF	Ylistaro	79.02	334	P	P	13 54 57.8	+0.8	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
APE	Apeiranthos	72.06	308	iP	P	13 54 18.8	+1.0		TIP	Timpragade	79.17	309	iP	P	13 55 00.3	+1.9	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
ALN	Alexandroupoli	72.31	312	eP	P	13 54 18.8	-0.3		OKC	Ostrava-Krasne	79.18	320	eP	P	13 55 00.3	+1.9	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
ALN	Alexandroupoli	72.31	312	eP	P	13 54 18.8	-0.3		OKC	Ostrava-Krasne	79.18	320	eP	P	13 55 00.3	+1.9	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
AKASG	Malin Array B	72.39	322	P	P	13 54 19.3	-0.1		OKC	Ostrava-Krasne	79.18	320	eP	P	13 55 00.3	+1.9	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
AKASG	Malin Array B	72.39	322	P	P	13 54 19.3	-0.1	comp=Z,0.5nm,0.4s,baz=86,slow=4.9,SNR=18	OKC	Ostrava-Krasne	79.18	320	eP	P	13 55 00.3	+1.9	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
AKASG	Malin Array B	72.39	322	P	P	13 54 19.3	-0.1	comp=Z,5.9nm,0.6s,baz=87,slow=5.0,SNR=8.7	OKC	Ostrava-Krasne	79.18	320	eP	P	13 55 00.3	+1.9	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
AKASG	Malin Array B	72.39	322	P	P	13 54 19.3	-0.1	comp=Z,5.9nm,0.6s,baz=87,slow=5.0,SNR=8.7	OKC	Ostrava-Krasne	79.18	320	eP	P	13 55 00.3	+1.9	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
AKBB	Malin Array S	72.39	322	eP	P	13 54 17.9	-1.5		BILL	Bilibino	79.19	21	eP	P	13 54 57.3	-0.5	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
KIEV	Kiev	72.40	322	eP	P	13 54 17.9	-1.5		BILL	Bilibino	79.19	21	eP	P	13 54 57.3	-0.5	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
KIEV	Kiev	72.40	322	eP	P	13 54 17.9	-1.5		BILL	Bilibino	79.19	21	eP	P	13 54 57.3	-0.5	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
KIEV	Kiev	72.40	322	eP	P	13 54 17.9	-1.5		BILL	Bilibino	79.19	21	eP	P	13 54 57.3	-0.5	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
VRI	Vrincioia	72.81	317	iP	P	13 54 23.8	+1.8		BILL	Bilibino	79.19	21	eP	P	13 54 57.3	-0.5	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
VRI	Vrincioia	72.81	317	iP	P	13 54 23.8	+1.8		BILL	Bilibino	79.19	21	eP	P	13 54 57.3	-0.5	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
PLOR	Plostina	72.86	317	iP	P	13 54 24.1	+1.7		BLY	Banja Luka	79.29	315	eP	P	13 54 58.5	-0.4	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
PLOR	Plostina	72.86	317	iP	P	13 54 24.1	+1.7		BLY	Banja Luka	79.29	315	eP	P	13 54 58.5	-0.4	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
TMCR	Tamitsa	73.00	337	eP	P	13 54 22.6	-0.1		BLY	Banja Luka	79.29	315	eP	P	13 54 58.5	-0.4	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
TESR	Tescani	73.01	318	iP	P	13 54 24.0	+0.8		MGRS	Morjkonjic Grad	79.33	314	eP	P	13 55 00.5	+1.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
MLR	Muntele Rosu	73.27	316	iP	P	13 54 26.2	+1.3		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
MLR	Muntele Rosu	73.27	316	iP	P	13 54 26.2	+1.3		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
MLR	Muntele Rosu	73.27	316	iP	P	13 54 26.2	+1.3		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
PLD	Plodiv	73.51	313	P	P	13 54 26.3	+0.1		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
VOIR	Voiron	73.88	316	P	P	13 54 30.8	+2.4		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
VOIR	Voiron	73.88	316	P	P	13 54 30.8	+2.4		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
PAIG	Paliouri	73.93	310	P	P	13 54 29.3	+0.6		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
PAIG	Paliouri	73.93	310	P	P	13 54 29.3	+0.6		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
ARR	Arges	74.15	316	iP	P	13 54 30.5	+0.5		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
SRR	Serrai	74.17	312	P	P	13 54 30.6	+0.5		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
SRR	Serrai	74.17	312	P	P	13 54 30.6	+0.5		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
BURAR	Bucovina Array	74.20	318	iP	P	13 54 32.0	+1.7		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
BURAR	Bucovina Array	74.20	318	iP	P	13 54 32.0	+1.7		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
BURAR	Bucovina Ar. S	74.22	318	iP	P	13 54 32.1	+1.8		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
SOH	Sokhos	74.31	311	P	P	13 54 31.7	+0.7		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
SOH	Sokhos	74.31	311	P	P	13 54 31.7	+0.7		MORC	Moravsky Berou	79.56	320	eP	P	13 55 00.0	-0.3	VVFA	comp=Z,8.0nm,0.6s	Vanda	88.65	169	eP	P	13 55 47.8	+1.9
VTS	Vitosha	74.67	313	eP	P	13 54 32.3	-0.9		MORC	Moravsky Berou	79.56	320	eP	P	1										









Table with columns: Station Name, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Eilsion Array.

SOME 29 17:14:49.3, 99°98'N, 76°28'E, h10km
KRNET 29 17:14:52.0, 1.40, 12N, 76.36E, mb3.1
NNC 29 17:14:54.9, 1.7, 40, 21N, 76.38E, h0km, mb3.6, mpv3.2

Main table for 1779 with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations and their associated data.

Main table for 2013 APR with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations and their associated data.

Main table for 29d 18h with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations and their associated data.



Table with columns for call sign, name, frequency, mode, and coordinates. Includes stations like YOJ, YON, YJY, etc.

Table with columns for call sign, name, frequency, mode, and coordinates. Includes stations like ASAJ, ASAHIKAWA, GTA, etc.

Table with columns for call sign, name, frequency, mode, and coordinates. Includes stations like ARSB, WRAB, WRB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Danmarks Havn, Carcaiu, Tesani, Bicz, Vri Vrincoiaia, etc.

IDC 29 19:09:28.4-.1,0.25;22N:123.91E, h0km, mb3.7/9, Error ellipse: s-maj=48.3km s-min=18.7km az=67.0

JMA 29 19:09:28.0-2.0,25.05N:123.50E, h8km, M3.0, ISC 29 19:09:29.6-2.0,25.05N:123.52E, h0.05, h8km, 14km, n17, -0581/25, mb3.7/9, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IRIF Iriomote-Funau, Yonaguni jima, YJNG Yonagunijimaku, etc.

IDC 29 19:12:32.7-3.5,6.45S:-147.50E, h0km, mb3.2/2, mb1 3.4/4, mb1mx3.2/4.4, mbtmp3.2/4, ML2.8/1, MS2.5/1, Ms1 2.5/1, ms1mx2.4/1.1, Error ellipse: s-maj=76.0km s-min=35.0km az=90.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WRR Warrunganga Arr, etc.

NIED 29 19:13:00.25;00N:123.50E, h5km, Mw4.4 Best double couple: M4.00000x10^15 N1.3x74.00000°, d44.00000°, lambda-95.00000°. NP2.0x262.00000°, b46.00000°, lambda-85.00000°

IDC 29 19:13:14.5-0.6,25.04N:123.52E, h0km, mb4.0/20, mb1 4.2/20, mb1mx4.0/6.3, mbtmp4.0/20, MS3.5/10, Ms3 3.5/10, ms1mx3.3/3.5, Error ellipse: s-maj=54.27km s-min=11.8km az=90.0

NEIC 29 19:13:16.1-1.0,24.98N:123.47E, h11km, mb4.4/17, Error ellipse: s-maj=4.8km s-min=3.8km az=95.0

JMA 29 19:13:16.0-0.1,25.03N:123.49E, h16km, M3.9, ISC 29 19:13:16.0-0.1,24.98N:123.47E, h0.03, h10km, g9km, n72, -069/78, mb4.3/36, MS3.5/5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YOJ Yonaguni jima, YOI Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NACB Ninganchiao, YHNB Yeheng, YULB Yu-li, etc.

JMA 29 19:16:08.0-0.2,37.07N:135.06E, h374km, 2km, M3.4, NEIC 29 19:16:08.7-0.4,37.03N:135.07E, h374km, 6km, mb4.2/19, Error ellipse: s-maj=10.2km s-min=9.9km az=149.0

IDC 29 19:16:09.3-0.8,37.09N:135.00E, h372km, 9km, mb3.4/24, mb1 3.5/31, mb1mx3.6/66, mbtmp4.1/31, Error ellipse: s-maj=12.3km s-min=8.7km az=77.0

ISC 29 19:16:08.0-0.6,37.14N:135.03E, h0.06, h368km, 6km, n88, -090/96, mb3.8/44, Sea of Japan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKG Kaga, JHG Hegura jima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso I, JHJ Hachijo jima 2, etc.

IDC 29 19:27:24.1-1.2,34.68N:22.24W, h0km, mb3.6/4, mb1 3.7/7, mb1mx3.4/40, mbtmp3.5/7, ML3.8/3, MS2.3/1, Ms1 2.3/1, ms1mx2.2/22, Error ellipse: s-maj=25.7km s-min=13.9km az=125.0

NEIC 29 19:27:25.2-1.4,34.70N:21.17W, h8km, 10km, mb4.1/2, Error ellipse: s-maj=11.4km s-min=7.4km az=80.0

NEIC Felt at Ojuda, CNRM 29 19:27:25.9,34.63N:21.41W, h12km, M3.9, INMG 29 19:27:26.9,1.6,34.70N:22.25W, h20km, 6km, ML2.9, Error ellipse: s-maj=4.8km s-min=3.8km az=168.0

MDD 29 19:27:26.4-1.1,34.61N:21.30W, h23km, 16km, mb4.5/29, Error ellipse: s-maj=15.3km s-min=5.2km az=175.0, PRXIMO

CRAAG 29 19:27:26.0,34.57N:22.28W, Mb4.7, LDG 29 19:27:27.0,34.76N:22.39W, h2km, M3.5/7, Error ellipse: s-maj=6.6km s-min=3.1km az=173.0

IGIL 29 19:27:27.2,34.76N:22.27W, h5km, ISC 29 19:27:25.5-1.0,34.70N:0.03:224W, h0.02, h17km, 7km, n158, -263/251, mb3.5/5, 3C-5D, Morocco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TAF Tafaralt, JBF JBF, etc.

Table with columns: Station Name, Frequency, SNR, Azimuth, Elevation, and other parameters. Includes stations like MELI, EMEL, OLHC, EALB, PALE, USTO, etc.

Table with columns: Station Name, Frequency, SNR, Azimuth, Elevation, and other parameters. Includes stations like ES/LA, EIBI, PVAQ, Castro Verde, EBAD, etc.

Table with columns: Station Name, Frequency, SNR, Azimuth, Elevation, and other parameters. Includes stations like PGF, SBF, ROSF, EKA, TOA1, TORO, etc.

KRSC 29:19:27.27:±10.0, 50.03N-157.87E, h20km, f10km, ML3.9, Kuril Islands. Includes station codes and parameters for Severo-Kuril's, PAU, etc.

IR 29:19:42.25:±1.1, 25.04N-123.52E, h0km, mb3.5/6, mb1 3.7/6, mb1mx3.4/32, mbtmp3.5/6, Error ellipse: s-maj=66.3km s-min=20.5km az=67.0. Includes station codes and parameters for IRIF, YON, etc.

IR 29:19:43.44:±7.1, 27.45N-124.14E, h0km, mb3.5/5, mb1 3.6/5, mb1mx3.4/31, mbtmp3.5/5, MS3.0/5, ms1mx2.7/38, Error ellipse: s-maj=58.7km s-min=22.0km az=59.0. Includes station codes and parameters for IRIF, YON, etc.



29th 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like IRIF, YONAGUNI, etc.

NIED 29:20:00.00, 25.10N, 123.50E, h5km, Mw4.8 Best double couple: M1:7.70000x10^16...

BUI 29:20:00.33, 4.24, 24.86N; 123.64E, h7km, mb4.4/20, mb4.8/19, Ms4.8/24, Ms7.4/23

JMA 29:20:00.35, 7.0, 2.25, 0.05N; 123.50E, h8km, Mw4.0

ISC 29:20:00.36, 9.0, 24.97N; 123.54E, 0.04, h10km, n95, c296/100, mb4.3/32, 11C-20, Southwestern Ryukyuu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like IRIF, YONAGUNI, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like BURAR, NB2, NOA, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like BURAR, NB2, NOA, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WALA Waterton Lakes, G06A Carlson Farm, F10A Beach Ranch, etc.

IDC 29 20:46:57.5-1.9, 1.94N-127.47E, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.3/4.2, mbtm3.4/4, ML3.2/1, Error ellipse: s-maj=100.8km s-min=23.5km az=70.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

JMA 29 20:56:26.0-2.0, 3.111N-138.84E, h396km, M3.5 IDC 29 20:56:28.1-1.3, 3.117N-138.47E, h410km, 12km, mb3.2/9, mb1 3.2/16, mb1mx3.0/4.7, mbtm4.0/16, Error ellipse: s-maj=28.1km s-min=16.3km az=77.0

ISC 29 20:56:26.1-0.7, 3.111N-138.67E, 0.08, h394km, n32, e1971/38, mb3.4/9, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHJ Hachioji jima 2, JIE Ise, JTNC Tanabakahech, etc.

IDC 29 20:57:09.5-4.5, 1.774S-178.75W, h543km, 47km, mb3.5/10, mb1 3.7/11, mb1mx3.3/3.2, mbtm4.5/11, Error ellipse: s-maj=32.6km s-min=22.5km az=35.0

ISC 29 20:57:09.8-1.1, 1.79S-0.1-178.8W, 0.2, h550km, n13, e084/15, mb4.2/9, Fiji Islands region

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 29 21:14:53.8-2.2, 4.01N-62.60E, h0km, mb3.7/7, mb1 3.8/7, mb1mx3.5/3.9, mbtm3.7/7, M53.3/4, Ms1 3.3/4, ms1mx2.9/3.1, Error ellipse: s-maj=52.0km s-min=25.8km az=66.0, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08N2 Diego Garcia H, H08N3 Diego Garcia H, H08N1 Diego Garcia H, etc.

MEX 29 21:30:22.5-0.3, 14.51N-92.85W, h16km, 37km, MD3.9, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCIG Comitan, CCIG Comitan, CMIG Matias Romero, etc.

IDC 29 21:41:50.3-3.5, 16.30S-175.61W, h0km, mb4.4/3, mb1 4.5/3, mb1mx3.8/3.2, mbtm4.4/3, Error ellipse: s-maj=162.1km s-min=72.1km az=153.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

DDA 29 21:45:32.2, 38.95N-43.53E, h18km, 1km, ML2.7, ISK 29 21:45:32.4, 38.93N-43.56E, h19km, ML2.0/6, ISC 29 21:45:32.1-1.1, 38.93N-0.04-43.55E, 0.05, h18km, 3km, n11, e050/17, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, CLDR Caldiran, VANB Van, etc.

LDG 29 21:52:44.8-0.1, 43.52N-5.53E, h3km, Md2.1/3, ML2.3/20, Error ellipse: s-maj=1.4km s-min=0.9km az=3.0, STR 29 21:52:44.6-0.4, 44.1N-3.5E, h13km, 3km, ML2.6/6, MLV2.2/6

ROM 29 21:52:44.1-1.0, 43.32N-0.05-5.57E, 0.06, h12km, 2km, ML2.5/3, Error ellipse: s-maj=6.5km s-min=3.9km az=138.0

ISC 29 21:52:44.2-0.9, 43.52N-0.03-5.51E, 0.02, h16km, 6km, n60, e190/104, Near south coast of France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARBF Arbois, ARTF Artigues, BSTF la Bastide-des, etc.

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LMR Digne, OGD1 La Foret Royal, CALF Calern, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZALV, ESDC, WRA, ASAR.

UCR 29:22:05:34.0, 2.8, 157.72N-87.21W, h12km, 29gkm, MD4.0, ML4.1, Honduras

Main table for UCR station group with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RCON, MTO3, MRL, PACA, etc.

IDC 29:22:10:55.1, 4.3, 233.33S-178.30W, h0km, mb4, 1/3, mb1 4.2/3, mb1mx3.8/37, mbtmp4.1/3, Error ellipse: s-maj=182.5km s-min=45.0km az=145.0, South of Fiji Islands

Main table for IDC station group with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like STKA, ASAR, WRA, AKASG, etc.

IDC 29:22:17:11.0, 1.4, 6.78N-72.93W, h166km, 14km, mb3.3/5, mb1 3.6/7, mb1mx3.2/40, mbtmp3.8/7, MS2.8/1, Ms1 2.8/1, ms1mx2.4/14, Error ellipse: s-maj=34.1km s-min=18.8km az=113.0

RSNC 29:22:17:11.6, 1.1, 6.85N-73.18W, h147km, 5km, ML3.6, ISC 29:22:17:10.3, 0.8, 6.88N-073.73, 14W.0, 4, h154km, 5km, n31, s1924/53, mb3.7/5, 5C-7D, Northern Colombia

Main table for RSNC station group with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GIRC, BARC, PAMC, PTBC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SDV, PRAC, SJCC, etc.

MAN 29:22:31:36.1, 9.18N-127.03E, h1km, MS3.8, 2C-1D, Philippine Islands region

Main table for MAN station group with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BIPH, BUTP, BUKP, etc.

IDC 29:22:46:37.8, 2.7, 6.41S-148.14E, h0km, mb3.8/3, mb1 3.8/5, mb1mx3.5/34, mbtmp3.7/5, ML0.8/1, MS3.1/4, Ms1 3.1/4, ms1mx2.7/31, Error ellipse: s-maj=63.7km s-min=33.0km az=96.0

ISC 29:22:46:56.2, 6.55S-147.9E, 0.4, h51km, n7, c1908/7, mb3.6/3, MS3.1/3, Eastern New Guinea region

Main table for IDC and ISC station groups with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG, WRA, ASAR, FITZ, etc.

IDC 29:22:52:00.7, 0.8, 4.22N-62.87E, h0km, mb3.8/16, mb1 4.0/16, mb1mx3.8/51, mbtmp3.8/16, MS3.6/1, Ms1 3.5/1, ms1mx2.9/31, Error ellipse: s-maj=20.0km s-min=17.6km az=1.0

NEIC 29:22:52:01.0, 0.5, 4.07N-62.82E, h10km, mb4, 1/3, Error ellipse: s-maj=12.9km s-min=10.3km az=132.0

ISC 29:22:52:01.0, 0.7, 4.11N-62.82E, 0.1, h10km, n32, c1521/28, mb3.8/18, Carlsberg Ridge

Main table for IDC, NEIC, and ISC station groups with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSEY, H0B2N, H0B8N, etc.

mb1 4.1/16, mb1mx3.9/52, mbtmp3.9/16, MS3.4/5, Ms1 3.4/5, ms1mx3.1/29, Error ellipse: s-maj=19.7km s-min=16.6km az=155.0

NEIC 29:22:52:48.8, 2.9, 4.09N-62.94E, h10km, 2km, mb4, 0/13, Error ellipse: s-maj=20.6km s-min=16.6km az=145.0

ISC 29:22:52:48.9, 0.7, 4.11N-62.92E, 0.1, h10km, n44, c1930/38, mb4.0/26, MS3.5/4, Carlsberg Ridge

Main table for NEIC and ISC station groups with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSEY, H0B2N, PALK, ATD, etc.

30d Oh

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NRK, DBIC, KSRs, MAW, USRK, KLR, WRA, ASAR, MJAR, PETK, VNDA.

NNC 29 23:27:15.8±0.4, 43°17'N:78°48'E, h0km, mb2.5, mpv2.5, Error ellipse: s-maj=5.6km s-min=2.1km az=174.0

Main table of station data for the 30-day observation period, including station names, coordinates, and observation parameters.

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Table of station data for the month of April 2013, including station names, coordinates, and observation parameters.

MEX 29 23:22:26.8±0.8, 16°28'N:98°07'W, h13km, 4km, MD3.6, Near coast of Guerrero

Table of station data for Mexico, including station names like PNIG, TLIG, CAIG and their observation parameters.

UPP 29 23:44:33.1±0.0, 67°84'N:20°19'E, h0km, ML1.5, Explosion, Sweden

Table of station data for the explosion in Sweden, including station names like KUA, RATU, LANU, MASU, SALU, PAJU.

HEL 29 23:44:35.7±0.0, 67°84'N:20°20'E, h0km, ML1.3, ML1.8(UPP), Explosion

UPP 29 23:44:35.1±0.0, 67°84'N:20°19'E, h0km, ML1.8, Explosion, Sweden

Table of station data for the explosion in Sweden, including station names like KUA, RATU, LANU, MASU, SALU, KIF, PAJU, HEF, ERTU, RNF, AREO.

IDC 29 23:56:49.1±2.4, 43°63'N:148°95'E, h0km, mb3.6/13, m1 3/14, m2 1mx3.6/44, mbtmp3.6/14, ML3.4/1, MS3.3/1, M1 3/1, ms1mx2.4/47, Error ellipse: s-maj=62.3km s-min=19.9km az=171.0

SKHL 29 23:56:51.8±0.3, 43°55'N:149°08'E, h55km, 8km, mb4.4/3, ISL 29 23:56:54.6±1.0, 43°7'N:0.1±148°89'E±0.08, h35km, n26, e070/23, mb3.5/13, East of Kuril Islands

Table of station data for the Kuril Islands region, including station names like KUR, YUK, GRPR, GLVR, MA2, SEY, H1N1, H1N2, H1S1, H1S3, H1S2, SONM.

1788

Table of station data for the 1788 event, including station names like ILAR, MKAR, INK, KURBB, BVAR, RES, YKA, FINES, NB2, NOA, KBZ, GERES, TXAR.

BUI 30 00:07:20.0, 3°70'N:123°62'E, h512km, mb4.7/45, mB4.6/25, MAN 30 00:07:22.6, 3°86'N:123°38'E, h524km, mb5.3, ML4.3, MS4.5

KLM 30 00:07:24.0, 4°34'N:123°55'E, h516km, mb4.9, DJA 30 00:07:25.7±0.2, 4°N±2°12'3E±, h511km, 2km, M4.5/40, mB5.0/16, mb4.7/40, MLv5.1/11, Mw(mB)4.3/16

IDC 30 00:07:26.4±0.7, 4°16'N:123°31'E, h528km, 7km, mb3.7/31, m1 3.8/35, mb1mx3.7/50, mbtmp4.7/35, Error ellipse: s-maj=11.9km s-min=6.4km az=81.0

NEIC 30 00:07:26.1±0.5, 4°23'N:123°27'E, h517km, 6km, mb4.5/26, Error ellipse: s-maj=13.2km s-min=8.1km az=94.0

ISC 30 00:07:24.7±0.3, 4°19'N:0.1±123°32'E±0.06, h500km, n150, s=199/180, mb4.3/66, 4C, Celebes Sea

Main table of station data for the 1788 event, including station names like SGSI, SKMP, DAV, DMPH, DMPH, PAGZ, DAV, DAV, KMSI, MRSI, MATI, BUKP, LUWI, LUWI, TNTI, APSI, MSLP, GAUM, SANI, KKM, SMKI, BESE, TANA, KDI, CNP, SPSI, BNSI, PVCP, BBSI, KAPI, MTKI, BESI, TGTI, SBUM, FAKI, MMRI, KSM, SOEI, SOEI, PLAI, BATI, BATI, JAGI, NAGI, PWJI, TPI, WOJI, UGJI, PPBI, JAY, TPRI, LEM, LEM, YULB, NACB, YHNB, CGJI, MDSI, FITZ, FITZ, JOW, MNSI, SISI, PKDT, WRA, SRDT, WRA, WRA, WHN, WHN.









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30d 1h

Table with columns for station call letters, frequency, and signal strength. Includes stations like HHC, KK31, KKAR, LZH, HIA, NRIK, BTK, TIY, GAR, BJI, BJT, ARU, CHGR, AB31, XAN, ZEA, LSA, AKTO, and CD2.

Table with columns for station call letters, frequency, and signal strength. Includes stations like CD2, CHCR, NIL, YAK, CEP, TIA, KBL, DL2, THW, SARF, PKIN, KOLN, ENH, RAMN, KLR, KIRV, MDJ, SHL, TIXI, WHN, GYA, and VSR.

Table with columns for station call letters, frequency, and signal strength. Includes stations like GYA, USRK, PRGR, NJ2, KMI, GRNR, GEYT, GYA0B, KSR5, KSR9, BRDH, TJN, NKL, SSE, SSE, SSE, KLMR, KLMR, KLMR, TMCR, TYV, SLVN, VRH, VRH, MAK, MAK, MAK, MAK, LVZ, LVZ, LVZ, MOS, MOS, MOS, GROG, GROG, LPSR, LPSR, SEKA, ZKTA, VORR, VORR, APA, APA, APA, APA, MNGR, VSR, VSR, CHTO, CHTO, CHTO, CHTO, CMMT, LKRN, OBN.





30d 1h

GIVF	Givet	52.27 306	eP	P	01 12 45.5 -0.4
ESY	Stoneyaph	52.27 315	eP	P	01 12 45.6 -0.3
SFI	Santa Sofia	52.29 296	eP	P	01 12 43.4 -2.8
SNF	Senef	52.29 303	eP	P	01 12 46.2 +0.1
AQU	L'Aquila	52.37 293	eP	P	01 12 46.2 -0.7
AQU	L'Aquila	52.37 293	eP	P	01 12 46.2 -0.7
AQU	L'Aquila	52.37 293	eP	P	01 12 47.0 +0.1
DOU	Dourbes	52.38 306	eP	P	01 12 46.9 0.0
DOU	Dourbes	52.38 306	eP	P	01 12 46.9 0.0
DOU	Dourbes	52.38 306	eP	P	01 12 46.9 0.0
TIP	Timpagrande	52.41 288	eP	sP	01 12 52.3 +0.3
TIP	Timpagrande	52.41 288	eP	sP	01 12 46.0 -1.2
TIP	Timpagrande	52.41 288	eP	sP	01 12 47.0 +0.2
KAC	Achnashellach	52.46 318	eP	P	01 12 47.3 0.0
EBL	Broad Lake	52.55 315	eP	P	01 12 47.8 -0.2
BAIF	Baives	52.60 306	eP	P	01 12 48.0 -0.5
BAIF	Baives	52.60 306	eP	P	01 12 48.0 -0.5
HINF	Hinterfeld	52.61 302	eP	P	01 12 47.3 -1.3
HINF	Hinterfeld	52.61 302	eP	P	01 12 47.3 -1.3
HINF	Hinterfeld	52.61 302	eP	P	01 12 47.3 -1.3
EDMD	Edmundbyers	52.65 313	eP	P	01 12 48.2 -0.5
AUCH	Auchincloss	52.69 315	eP	P	01 12 48.1 -0.1
FIR	Firenze	52.70 296	eP	P	01 12 50.4 +1.2
KPL	Plockton	52.71 318	eP	P	01 12 49.3 +0.2
SISI	Saibi	52.73 172	eP	P	01 12 48.4 -1.3
HAU	Haudompre	52.76 303	eP	P	01 12 47.9 -1.8
HAU	Haudompre	52.76 303	eP	P	01 12 47.9 -1.8
KULLO	Kullorsuaq	52.77 350	iP	P	01 12 49.4 +0.1
KULLO	Kullorsuaq	52.77 350	iP	P	01 12 49.4 +0.1
KULLO	Kullorsuaq	52.77 350	iP	P	01 12 49.4 +0.1
COLD	Coldfoot	52.78 26	eP	P	01 12 49.8 +0.3
ESK	Eskauldair	52.91 315	iP	P	01 12 53.2 +2.6
VLC	Villacollemand	52.95 297	eP	P	01 12 52.1 +1.0
HPK	Haverah Park	53.03 312	eP	P	01 12 51.5 0.0
HPK	Haverah Park	53.03 312	eP	P	01 12 51.5 0.0
BHH	Howats Hill	53.05 314	eP	P	01 12 50.8 -0.9
DAMY	Dhamar	53.09 244	eP	P	01 12 53.3 +0.5
PGBU	Glienferbraes	53.16 316	eP	IAMB	01 12 52.3 -0.2
PGBU	Glienferbraes	53.16 316	eP	IAMB	01 12 52.3 -0.2
SENIN	Lac Senin/Sene	53.27 301	eP	P	01 12 53.8 +0.1
LAWE	Loch Awe, Argy	53.28 316	eP	IAMB	01 12 53.3 0.0
LAWE	Loch Awe, Argy	53.28 316	eP	IAMB	01 12 53.3 0.0
LBWR	Ladybowyer, Pea	53.43 312	eP	P	01 12 53.9 -0.6
ELSH	Elham, Stander	53.47 308	eP	IAMB	01 12 54.8 0.0
ELSH	Elham, Stander	53.47 308	eP	IAMB	01 12 54.8 0.0
CEL	Celeste	53.52 288	eP	P	01 12 55.9 +0.5
CWF	Charnwood Fore	53.65 311	eP	IAMB	01 12 55.5 -0.6
CWF	Charnwood Fore	53.65 311	eP	IAMB	01 12 55.5 -0.6
CABF	La Chapelle	53.77 301	eP	P	01 12 56.0 -1.2
CABF	La Chapelle	53.77 301	eP	P	01 12 56.0 -1.2
STNC	Stoke	53.85 312	eP	P	01 12 57.6 +0.1
GALI	Galway	53.87 315	eP	IAMB	01 12 57.6 -0.1
GALI	Galway	53.87 315	eP	IAMB	01 12 57.6 -0.1
HMXN	Herstmonceux	54.04 309	eP	IAMB	01 12 59.0 +0.1
HMXN	Herstmonceux	54.04 309	eP	IAMB	01 12 59.0 +0.1
LPL	La Plagne	54.11 300	eP	P	01 12 59.2 -0.7
LPG	La Plagne	54.11 300	eP	P	01 12 59.3 -0.7
LPG	La Plagne	54.11 300	eP	P	01 12 59.3 -0.7
RES	Resolute Bay	54.20 2	eP	P	01 12 60.0 +0.2
RES	Resolute Bay	54.20 2	eP	P	01 12 60.0 +0.2
RES	Resolute Bay	54.20 2	eP	P	01 12 60.0 +0.2
BNI	Bardonecchia	54.44 300	eP	P	01 13 02.4 +0.2
BNI	Bardonecchia	54.44 300	eP	P	01 13 02.4 +0.2
BNI	Bardonecchia	54.44 300	eP	P	01 13 02.4 +0.2
FOEL	Foel Wyifa	54.44 312	eP	P	01 13 01.6 -0.3
WOL	Wolverton	54.51 310	eP	P	01 13 02.5 +0.1
PPBI	Pangkal Pinang	54.52 163	eP	P	01 12 58.3 -4.5
LOR	Lormes	54.53 303	eP	P	01 13 01.1 -1.6
LOR	Lormes	54.53 303	eP	P	01 13 01.1 -1.6
MBDF	Montbardon	54.59 299	eP	P	01 13 01.9 -1.4
MBDF	Montbardon	54.59 299	eP	P	01 13 01.9 -1.4
FYU	Fort Yukon	54.60 25	eP	P	01 13 04.3 +1.5
SWN1	Swindon	54.66 310	eP	IAMB	01 13 03.0 -0.5
SWN1	Swindon	54.66 310	eP	IAMB	01 13 03.0 -0.5
STRD	Stroud	54.67 311	eP	IAMB	01 13 03.2 -0.3
STRD	Stroud	54.67 311	eP	IAMB	01 13 03.2 -0.3
LLW	Llanuwchllyn	54.68 312	eP	P	01 13 03.5 -0.1
LLW	Llanuwchllyn	54.73 313	eP	P	01 13 03.6 -0.4
WLF1	Wynfaes	54.74 313	eP	IAMB	01 13 03.7 -0.3
WLF1	Wynfaes	54.74 313	eP	IAMB	01 13 03.7 -0.3
SBF	Sospel	54.78 298	eP	P	01 13 03.4 -1.2
SBF	Sospel	54.78 298	eP	P	01 13 03.4 -1.2
BPAW	Bear Paw Mtn	54.82 29	eP	P	01 13 04.7 +0.2
GMM	Mts of Mourne	54.82 315	eP	P	01 13 04.3 -0.3
SSF	Saint Sauleg	54.85 303	eP	P	01 13 03.6 -1.4
SSF	Saint Sauleg	54.85 303	eP	P	01 13 03.6 -1.4
CLF	Chambon-Forêt	54.88 305	eP	P	01 13 05.6 +0.5
MCH1	Michaelchurch	54.92 311	eP	IAMB	01 13 04.9 -0.5
MCH1	Michaelchurch	54.92 311	eP	IAMB	01 13 04.9 -0.5
OLDB	Oldbury-Upon-S	54.93 311	eP	P	01 13 05.1 -0.3
MONM	Monmouth	54.93 311	eP	IAMB	01 13 05.2 -0.3
MONM	Monmouth	54.93 311	eP	IAMB	01 13 05.2 -0.3
SMF	Signal de Mont	54.94 303	eP	P	01 13 04.2 -1.4
SMF	Signal de Mont	54.94 303	eP	P	01 13 04.2 -1.4
ORIF	Oris-en-Rattie	54.96 300	eP	P	01 13 04.9 -1.0
ORIF	Oris-en-Rattie	54.96 300	eP	P	01 13 04.9 -1.0
IDGL	Inch Island, C	54.96 316	eP	P	01 13 05.1 -0.5
CAST	Castle Rocks	54.98 30	eP	P	01 13 06.3 +0.6
MDM	Murphy Dome	54.99 27	eP	P	01 13 06.0 +0.3
PMBI	Palemang	55.03 165	eP	P	01 13 04.9 -1.6
POKR	Poker Plat Res	55.10 27	eP	P	01 13 06.2 -0.3
AVF	Avril sur Loir	55.10 303	eP	P	01 13 05.4 -1.4
AVF	Avril sur Loir	55.10 303	eP	P	01 13 05.4 -1.4
TCOL	CIGO, UAF Yank	55.16 27	eP	P	01 13 06.0 -0.9
COLA	College	55.16 27	eP	P	01 13 07.8 +0.9
COLA	College	55.16 27	eP	P	01 13 07.8 +0.9
COLA	College	55.16 27	eP	P	01 13 07.8 +0.9
BWN	Browne	55.22 28	eP	P	01 13 08.9 +1.5

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PRP	Porcupine Dome	55.32 25	eP	P	01 13 08.8 +0.5
PPLA	Porcupine Dome	55.32 25	eP	P	01 13 08.8 +0.5
CCB	Clear Creek Bu	55.35 27	eP	P	01 13 09.2 -0.1
WRH	Wood River Hill	55.40 27	eP	P	01 13 08.5 -0.2
FRF	La Forest Royal	55.41 298	eP	P	01 13 07.6 -1.5
TRF	Thorefare Moun	55.51 29	eP	P	01 13 09.9 +0.2
ILAR	Eielson Array	55.52 27	eP	P	01 13 08.9 -0.6
ILAR	Eielson Array	55.52 27	eP	P	01 13 08.9 -0.6
ILAR	Eielson Array	55.52 27	eP	P	01 13 08.9 -0.6
ILB	Bois d'Agland	55.52 303	eP	P	01 13 09.3 -0.2
ILB	Bois d'Agland	55.52 303	eP	P	01 13 09.3 -0.2
SMKI	Samarinda	55.65 150	eP	P	01 13 10.8 -0.2
VIVF	Saint-Julien-I	55.65 301	eP	P	01 13 09.6 -1.2
DSB	Dublin	55.66 314	eP	P	01 13 08.6 -2.1
MCK	McKinley	55.70 28	eP	P	01 13 12.1 +1.2
MCK	McKinley	55.70 28	eP	P	01 13 12.1 +1.2
MCK	McKinley	55.70 28	eP	P	01 13 12.1 +1.2
LDL	La Druitiere	55.73 307	eP	P	01 13 09.8 -1.4
LDL	La Druitiere	55.73 307	eP	P	01 13 09.8 -1.4
RSBS	Rosebush, Pemb	55.77 312	eP	IAMB	01 13 10.4 -1.1
RSBS	Rosebush, Pemb	55.77 312	eP	IAMB	01 13 10.4 -1.1
HDA	Harding Lake	55.77 27	eP	P	01 13 10.9 -0.4
HDA	Harding Lake	55.77 27	eP	P	01 13 10.9 -0.4
FLN	La Foliniere	55.80 307	eP	P	01 13 10.0 -1.3
FLN	La Foliniere	55.80 307	eP	P	01 13 10.0 -1.3
INK	Inuvik	55.91 19	eP	P	01 13 12.0 -0.2
INK	Inuvik	55.91 19	eP	P	01 13 12.0 -0.2
INK	Inuvik	55.91 19	eP	P	01 13 12.0 -0.2
INK	Inuvik	55.91 19	eP	P	01 13 12.2 -0.1
RND	Reindeer	55.97 28	eP	P	01 13 14.5 +1.6
RND	Reindeer	55.97 28	eP	P	01 13 14.5 +1.6
TCF	Toulx Ste Croi	56.03 303	eP	P	01 13 12.5 -1.0
TCF	Toulx Ste Croi	56.03 303	eP	P	01 13 12.5 -1.0
GRR	Gorron	56.23 307	eP	P	01 13 13.3 -1.5
GRR	Gorron	56.23 307	eP	P	01 13 13.3 -1.5
HTL	Hartland	56.28 311	eP	IAMB	01 13 14.7 -0.5
HTL	Hartland	56.28 311	eP	IAMB	01 13 14.7 -0.5
JLP	Les Platons	56.29 308	eP	P	01 13 14.4 -0.8
JRS	Jersey	56.32 308	eP	P	01 13 14.8 -0.6
JSA	Saint Aubin	56.36 308	eP	IAMB	01 13 15.1 -0.7
JSA	Saint Aubin	56.36 308	eP	IAMB	01 13 15.1 -0.7
DYA	Yadsworth	56.39 310	eP	IAMB	01 13 15.3 -0.6
DYA	Yadsworth	56.39 310	eP	IAMB	01 13 15.3 -0.6
MRSI	Maris	56.42 144	eP	P	01 13 16.4 -0.1
DHY	Denali Highway	56.46 28	eP	P	01 13 17.2 -0.7
GTOI	Gorontalo	56.68 143	eP	P	01 13 26.3 +7.9
EPYK	Eagle Plains	56.84 21	eP	P	01 13 18.4 -0.6
EPYK	Eagle Plains	56.84 21	eP	P	01 13 18.4 -0.6
SUA	Susitna One	56.84 31	eP	P	01 13 19.2 0.0
ILULI	Ilulissat	56.86 345	eP	P	01 13 18.0 -1.0
ILULI	Ilulissat	56.86 345	eP	P	01 13 18.0 -1.0
ILULI	Ilulissat	56.86 345	eP	P	01 13 18.0 -1.0
ILULI	Ilulissat	56.86 345	eP	P	01 13 19.2 +0.2
ILULI	Ilulissat	56.86 345	eP	P	01 13 19.2 +0.2
ILULI	Ilulissat	56.86 345	eP	P	01 13 19.2 +0.2
RIDG	Independ'e Rid	56.88 27	eP	P	01 13 18.4 -1.0
IGLA	Iglengowla, Co	56.88 316	eP	P	01 13 17.3 -2.1
RSO	Redoubt South	56.92 32	eP	P	01 13 21.4 +1.6
SCRK	Sand Creek	56.94 26	eP	P	01 13 19.1 -0.7
CAF	Calviac	57.01 302	eP	P	01 13 20.0 -0.5
CAF	Calviac	57.01 302	eP	P	01 13 20.0 -0.5
RJF	Les Rejaudoux	57.04 303	eP	P	01 13 19.0 -1.7
RJF</					

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NEW Newport	comp=Z,44nm,1.1s	77.62	20	P	P	01 15 30.4 -0.6
NEW Newport	comp=Z,5.8nm,0.8s,baz=285,slow=3.0,SNR=7.4	77.62	20	eP	P	01 15 31.6 +0.6
NEW Newport	comp=Z,3nm,1.0s	77.62	20	eP	P	01 15 31.6 +0.6
NEW Newport	comp=Z,13nm,1.0s	77.62	20	eP	P	01 15 29.8 -1.2
E03A Lebam	comp=Z,98nm,1.1s	77.71	25	eP	P	01 15 32.8 +1.4
LTY Liberty	comp=Z,20nm,1.3s	77.77	22	eP	P	01 15 31.8 -0.1
C09A Chrisman Ranch	comp=Z,40nm,1.1s	77.81	21	eP	P	01 15 32.5 +0.5
E04D Cinebar	comp=Z,338	77.95	24	eP	P	01 15 32.1 -0.7
LON Longmire	comp=Z,17nm,1.1s	77.96	23	eP	P	01 15 34.9 +1.9
F04D Rainier, OR	comp=Z,24nm,1.3s	78.28	24	eP	P	01 15 33.4 -1.2
D08A Wollman Farm,	comp=Z,24nm,1.3s	78.36	21	eP	P	01 15 37.0 +1.9
COEN Coen	comp=Z,26nm,1.1s	78.49	130	eP	P	01 15 37.2 +1.1
CHGQ Chibougama	comp=Z,8.4,SNR=11	78.55	351	eP	P	01 15 34.9 -1.2
ULM Lac du Bonnet	comp=Z,9.1nm,0.8s,baz=351,slow=5.5,SNR=22	78.58	5	eP	P	01 15 34.5 -1.7
ULM Lac du Bonnet	comp=Z,13nm,0.9s	78.58	5	eP	P	01 15 34.8 -1.4
ULM Lac du Bonnet	comp=Z,13nm,0.9s	78.58	5	eP	P	01 15 34.8 -1.4
E08A Dider Farm, EI	comp=Z,23nm,0.9s	78.87	22	eP	P	01 15 40.1 +2.2
M0A Matagami	comp=Z,6.3,SNR=43	78.97	353	eP	P	01 15 37.6 -0.8
0970 Wood Farm, Sta	comp=Z,19nm,1.1s	79.05	21	eP	P	01 15 39.2 +0.4
F07A Phinny Hill Vi	comp=Z,27nm,1.0s	79.22	22	eP	P	01 15 41.4 +1.5
G05D Wamic, OR	comp=Z,399	79.50	24	eP	P	01 15 40.9 -0.5
DGMT Dagmar	comp=Z,7.0nm,1.1s	79.58	11	eP	P	01 15 42.0 +0.1
DGMT Dagmar	comp=Z,350,SNR=12	79.58	11	eP	P	01 15 41.2 -0.6
LSOQ Label-sur-Quev	comp=Z,24nm,1.1s	79.61	353	eP	P	01 15 41.0 -0.9
MSO Missoula	comp=Z,32nm,1.1s	79.64	18	eP	P	01 15 41.8 -0.5
MSO Missoula	comp=Z,344,SNR=47	79.64	18	eP	P	01 15 41.6 -0.5
G06A Carlson Farm,	comp=Z,37nm,1.3s	79.67	23	eP	P	01 15 43.3 +1.0
F10A Beach Ranch, E	comp=Z,24nm,1.1s	79.77	21	eP	P	01 15 43.5 +0.6
H04A Detroit Lake	comp=Z,24nm,1.1s	79.80	24	eP	P	01 15 43.9 +0.8
WRAB Tennant Creek	comp=Z,24nm,1.1s	79.86	140	eP	P	01 15 42.5 -1.0
WRAB Tennant Creek	comp=Z,51nm,1.0s	79.86	140	eP	P	01 15 41.9 -1.6
WR1 Warramunga Arr	comp=Z,43nm,1.1s,baz=342,slow=5.8,SNR=55	79.86	140	eP	P	01 15 41.9 -1.6
WR2 Warramunga Arr	comp=Z,49nm,0.9s	79.87	140	eP	P	01 15 42.4 -1.2
G08A Pilot Rock	comp=Z,17nm,1.1s	80.02	22	eP	P	01 15 44.8 +0.4
BATG Bathurst New B	comp=Z,26nm,1.2s	80.08	345	eP	P	01 15 45.0 0.0
HRY Holter Researc	comp=Z,31nm,1.0s	80.15	17	eP	P	01 15 46.2 +1.2
I05D Terrebonne, OR	comp=Z,339	80.33	24	eP	P	01 15 45.3 -0.6
TOA1 Torodi Arr. Sit	comp=Z,31nm,0.9s	80.36	279	eP	P	01 15 44.8 -1.6
TOA0 Torodi Arr. Sit	comp=Z,31nm,0.9s	80.36	279	eP	P	01 15 45.7 -0.7
TOA0 Torodi Arr. Sit	comp=Z,31nm,0.9s	80.36	279	eP	P	01 15 45.7 -0.7
TORD Torodi Arr. Bea	comp=Z,13nm,1.1s,baz=51,slow=3.9,SNR=41	80.36	279	eP	P	01 15 45.8 -1.6
I03D Drain, OR	comp=Z,60	80.40	26	eP	P	01 15 45.4 -0.8
ABPO Ambohianpanom	comp=Z,24nm,1.2s	80.45	223	eP	P	01 15 47.3 +0.5
ABPO Ambohianpanom	comp=Z,31nm,1.2s	80.45	223	eP	P	01 15 47.3 +0.5
AGMN Agassiz Nation	comp=Z,9.2nm,1.1s	80.52	6	eP	P	01 15 45.3 -1.5
AGMN Agassiz Nation	comp=Z,35,SNR=5.5	80.52	6	eP	P	01 15 44.9 -2.0
I04A Tendick Farm,	comp=Z,339,SNR=5.7	80.56	25	eP	P	01 15 47.0 -0.2
VLDQ Val d'Or	comp=Z,32nm,1.0s	80.59	353	eP	P	01 15 46.7 -0.5
MDND Maddock	comp=Z,26nm,0.9s	80.69	8	eP	P	01 15 47.2 -0.5
MDND Maddock	comp=Z,352	80.69	8	eP	P	01 15 46.7 -1.0
PLD1 Pearl Lake	comp=Z,61nm,1.0s	80.88	20	eP	P	01 15 48.8 -0.3
LATQ La Tuque	comp=Z,9	80.88	350	eP	P	01 15 47.8 -1.0
PINE Pine Mountain	comp=Z,40nm,1.1s	80.95	24	eP	P	01 15 50.7 +1.2
PQI Presque Isle	comp=Z,38nm,1.1s	80.97	347	eP	P	01 15 49.1 -0.1
I07A Ize	comp=Z,41nm,1.2s	81.03	23	eP	P	01 15 51.0 +1.2
EYMN Ely	comp=Z,18nm,1.0s	81.07	3	eP	P	01 15 48.5 -1.4
EYMN Ely	comp=Z,358,SNR=12	81.07	3	eP	P	01 15 48.4 -1.4
GBN Guysborough	comp=Z,44nm,1.1s	81.08	342	eP	P	01 15 51.0 +1.2
C40A Isle Royale Na	comp=Z,31nm,1.3s	81.15	1	eP	P	01 15 50.4 +0.2
C40A Isle Royale Na	comp=Z,359	81.15	1	eP	P	01 15 48.5 -1.7
J04D Umpqua Nationa	comp=Z,339	81.16	25	eP	P	01 15 49.8 -0.8
K02D Willamette Mer	comp=Z,338	81.25	26	eP	P	01 15 50.2 -0.7
BOZ Bozeman (W)	comp=Z,19nm,1.3s	81.26	17	eP	P	01 15 52.1 +1.1
BOZ Bozeman (W)	comp=Z,19nm,1.3s	81.26	17	eP	P	01 15 52.1 +1.1
BOZ Bozeman (W)	comp=Z,19nm,1.3s	81.26	17	eP	P	01 15 50.2 -0.8
LMN Caledon Moun	comp=Z,26nm,1.0s	81.26	344	eP	P	01 15 50.5 -0.3
DLMT Dillon	comp=Z,40nm,1.0s	81.31	18	eP	P	01 15 52.9 +1.6
J05D Fort Rock, OR	comp=Z,339,SNR=15	81.35	24	eP	P	01 15 51.5 -0.1
GCMT Greycliff	comp=Z,41nm,1.2s	81.41	15	eP	P	01 15 52.0 +0.2
D54A Lac Fusel, La	comp=Z,38nm,1.1s	81.48	353	eP	P	01 15 51.1 -0.9
HUMO Hull Mountain	comp=Z,28nm,1.4s	81.52	26	eP	P	01 15 53.8 +1.5
D51A Lot 18 Range I	comp=Z,52	81.74	354	eP	P	01 15 51.9 -1.4
MCMT McKenzie Canyo	comp=Z,18.77	81.78	18	eP	P	01 15 53.6 -0.3
D48A Paudash Towh	comp=Z,3.7,SNR=7.6	81.78	356	eP	P	01 15 52.5 -1.1
D52A ZEK Kipawa Sen	comp=Z,8.3,SNR=8.3	81.79	354	eP	P	01 15 52.4 -1.2
D47A Chapleau	comp=Z,15	81.95	357	eP	P	01 15 53.6 -0.9
K05A Summer Lake	comp=Z,69nm,1.2s	81.96	24	eP	P	01 15 56.5 +1.7
J08A Circle Bar Ran	comp=Z,39nm,1.1s	81.96	22	eP	P	01 15 55.7 +1.0
D41A Chassel	comp=Z,26nm,1.1s	82.01	1	eP	P	01 15 55.3 +0.5
D41A Chassel	comp=Z,359	82.01	1	eP	P	01 15 53.9 -0.8
L04D Klamath Falls	comp=Z,339,SNR=7.9	82.06	25	eP	P	01 15 54.8 -0.5
RLMT Red Lodge	comp=Z,33nm,1.3s	82.13	15	eP	P	01 15 55.5 -0.2

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RLMT Red Lodge	comp=Z,346,SNR=28	82.13	15	eP	P	01 15 54.9 -0.8
D46A Sault St. Mari	comp=Z,2	82.14	358	eP	P	01 15 54.6 -0.9
TRQ Tremblant	comp=Z,351	82.22	353	eP	P	01 15 55.5 -0.5
HAL Halifax	comp=Z,30nm,0.9s	82.22	343	eP	P	01 15 56.3 +0.4
HAL Halifax	comp=Z,30nm,0.9s	82.22	343	eP	P	01 15 56.3 +0.4
E54A Lac Duplat, Po	comp=Z,6.6,SNR=13	82.24	353	eP	P	01 15 55.0 -0.9
E51A G1948 Merrick	comp=Z,5,SNR=14	82.30	354	eP	P	01 15 55.3 -1.0
GGN Saint George	comp=Z,29nm,1.1s	82.31	345	eP	P	01 15 56.3 0.0
E53A Dumoine, Ponti	comp=Z,3,SNR=10	82.33	353	eP	P	01 15 55.6 -0.8
E38A The Farm, Brul	comp=Z,28nm,1.1s	82.41	3	eP	P	01 15 56.7 -0.2
E38A The Farm, Brul	comp=Z,28nm,1.1s	82.41	3	eP	P	01 15 55.6 -1.3
E44A Grand Marais A	comp=Z,33nm,0.9s	82.45	359	eP	P	01 15 56.0 -1.1
LKWY Lake	comp=Z,33nm,0.9s	82.48	16	eP	P	01 15 58.8 +1.2
LKWY Lake	comp=Z,33nm,0.9s	82.48	16	eP	P	01 15 58.8 +1.2
E50A Wahnapitae	comp=Z,4.3,SNR=12	82.48	355	eP	P	01 15 56.3 -0.9
E48A Lockeyer	comp=Z,5.8,SNR=8.8	82.49	356	eP	P	01 15 56.1 -1.2
E52A Mattawa	comp=Z,5.6,SNR=6.4	82.49	354	eP	P	01 15 56.0 -1.3
PKME Peaks-Kenny Pk	comp=Z,5.8,SNR=6.4	82.53	347	eP	P	01 15 58.0 +0.6
PKME Peaks-Kenny Pk	comp=Z,5.8,SNR=6.4	82.53	347	eP	P	01 15 57.5 0.0
E47A Iron Bridge	comp=Z,47,SNR=12	82.56	357	eP	P	01 15 56.4 -1.2
M04C Muel	comp=Z,339,SNR=7.8	82.59	25	eP	P	01 15 57.5 -0.6
E41A Kenton	comp=Z,59m,1.0s	82.61	1	eP	P	01 15 56.8 -1.1
H17A Grand Village	comp=Z,30nm,1.1s	82.61	16	eP	P	01 15 59.8 +1.5
H17A Grand Village	comp=Z,346,SNR=13	82.61	16	eP	P	01 15 57.9 -0.4
E40A Wakefield	comp=Z,39,SNR=20	82.61	2	eP	P	01 15 56.8 -1.1
E42A Champion	comp=Z,360,SNR=6.8	82.65	0	eP	P	01 15 56.7 -1.4
E39A Mellen	comp=Z,38,SNR=6.5	82.67	2	eP	P	01 15 56.5 -1.7
MORW Morawa	comp=Z,22nm,1.0s	82.67	159	eP	P	01 15 56.6 -1.5
HLID Hailey	comp=Z,13nm,1.1s	82.67	19	eP	P	01 15 58.2 -0.3
HLID Hailey	comp=Z,343,SNR=12	82.67	19	eP	P	01 15 57.7 -0.8
E46A Sault Ste Mari	comp=Z,2,SNR=12	82.67	358	eP	P	01 15 57.1 -1.1
M02C Callian	comp=Z,339	82.68	26	eP	P	01 15 56.9 -1.5
E45A Wooded Hills,	comp=Z,1.5	82.70	358	eP	P	01 15 56.7 -1.6
E43A Lone Tree Farm	comp=Z,18nm,1.1s	82.70	360	eP	P	01 15 57.8 -0.6
E43A Lone Tree Farm	comp=Z,4.4,SNR=6.9	82.70	360	eP	P	01 15 56.8 -1.6
F55A Otter Lake	comp=Z,7.7,SNR=15	82.77	352	eP	P	01 15 57.4 -1.3
ALGO Algonquin Park	comp=Z,6.0,SNR=15	82.78	353	eP	P	01 15 57.9 -0.9
WVOR Wild Horse Val	comp=Z,43nm,1.1s	82.80	23	eP	P	01 16 00.2 +1.2
WVOR Wild Horse Val	comp=Z,43nm,1.1s	82.80	23	eP	P	01 16 00.3 +1.2
EMMW East Machias	comp=Z,43nm,1.1s	82.80	346	eP	P	01 15 59.3 +0.4
ALFO Alfred	comp=Z,7.7nm,1.1s	82.84	351	eP	P	01 15 58.5 -0.5
MOQ Mont Orford	comp=Z,8.0,SNR=17	82.87	349	eP	P	01 15 59.7 +0.4
MOD Modoc Plateau	comp=Z,8.2,SNR=17	82.88	24	eP	P	01 16 00.4 +0.8
FLWY Flagg Ranch	comp=Z,44nm,1.1s	82.89	17	eP	P	01 16 02.1 +2.4
F51A Arnstein	comp=Z,4.6,SNR=18	82.93	355	eP	P	01 15 58.8 -0.8
COWI Conover	comp=Z,12nm,1.1s	82.97	1	eP	P	01 15 58.5 -1.3
PEMO Pembroke	comp=Z,6.5,SNR=10	83.00	353	eP	P	01 15 58.7 -1.2
F52A Sundidge	comp=Z,5.2,SNR=16	83.03	354	eP	P	01 15 59.4 -0.6
F38A Pierce - Schro	comp=Z,357,SNR=11.4	83.05	3	eP	P	01 15 59.2 -1.0
AS31 Alice Springs	comp=Z,3.8nm,1.1s	83.05	142	eP	P	01 15 59.0 -1.3
ASAR Alice Springs	comp=Z,16nm,1.1s,baz=330,slow=4.5,SNR=33	83.05	142	eP	P	01 15 58.8 -1.5
ASAR Alice Springs	comp=Z,0.3nm,0.9s,baz=179,slow=3.7,SNR=4.8	83.05	142	eP	P	01 16 00.3 -0.5
ORIO Orleans, Innes	comp=Z,7.6,SNR=8.1	83.07	352	eP	P	01 15 59.6 -0.7
F44A Big Bay de Noc	comp=Z,6,SNR=8.1	83.10	359	eP	P	01 15 58.9 -1.5
N02D Trinity Center	comp=Z,339	83.11	26	eP	P	01 15 59.1 -1.6



30d 1h

2013 APR

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Table with columns: ELK, comp, baz, SNR, time, and status. Rows include stations like Langenfeld Bro, Charters Tower, Acton, etc.

Table with columns: ELK, baz, SNR, time, and status. Rows include stations like Milan, Kingsville, Keystone Cole, etc.

Table with columns: ELK, baz, SNR, time, and status. Rows include stations like Hopedale, Hopedale, Paradox Valley, etc.

SDCO	Great Sand Dun	89.93	14	eP	P	01 16 34.6	+0.2	X16A	Lo Mia Camp, P	92.09	20	eP	P	01 16 45.4	+1.0	X53A	Estanolle	94.48	357	P	P	01 16 54.1	-1.0
SDCO	Great Sand Dun	89.93	14	P	P	01 16 34.1	-0.4	PBMO	Poplar Bluff	92.26	2	eP	P	01 16 44.9	0.0	OXF	Oxford	94.54	2	P	P	01 16 54.4	-1.0
MVCO	Mesa Verde	89.96	17	eP	P	01 16 35.9	+1.4	X18A	Sussex	92.29	18	eP	P	01 16 46.5	+1.2	X47A	Russellville	94.55	0	P	P	01 16 54.8	-0.7
MVCO	Mesa Verde	89.96	17	P	P	01 16 33.2	-1.3	U59A	Littleton	92.30	352	P	P	01 16 44.2	-0.9	121A	Cookes Peak, D	94.64	17	P	P	01 16 55.1	-1.0
U15A	North Rim	89.97	20	eP	P	01 16 35.4	+0.7	U58A	Oxford	92.32	353	P	P	01 16 44.4	-0.8	Y54A	Tignall	95.10	356	P	P	01 16 56.8	-1.1
Q51A	Peebles	89.97	357	eP	P	01 16 34.8	+0.6	U57A	Blanch	92.34	353	P	P	01 16 43.9	-1.3	Y51A	Rockmart	95.14	358	P	P	01 16 57.0	-1.2
Q51A	Peebles	89.97	357	P	P	01 16 33.2	-1.1	U55A	TA2, Sparta	92.38	355	P	P	01 16 44.4	-1.2	Y53A	Monroe	95.14	357	P	P	01 16 57.5	-0.7
G5C	Goldstone, Bar	90.00	24	eP	P	01 16 37.3	+2.7	MONP2	Monument Peak	92.39	24	P	P	01 16 45.6	-0.3	Y52A	Libburn	95.15	357	P	P	01 16 57.3	-0.9
G5C	Goldstone, Bar	90.00	24	eP	P	01 16 37.3	+2.7	U54A	Nelsons Funny	92.41	355	P	P	01 16 44.0	-1.7	319A	Douglas	95.47	19	eP	P	01 17 01.1	+1.2
G5C	Goldstone, Bar	90.00	24	P	P	01 16 33.4	-1.1	U56A	King	92.50	354	P	P	01 16 45.1	-0.9	TSUM	Tsumeb	95.74	246	eP	P	01 16 59.7	-1.4
Q49A	Aurora	90.04	358	P	P	01 16 33.6	-1.0	ANMO	Albuquerque	92.52	15	eP	P	01 16 47.3	+0.9	Z50A	Ashland	95.80	359	P	P	01 17 00.4	-0.8
Q53A	Leroy	90.06	355	P	P	01 16 33.8	-0.9	ANMO	Albuquerque	92.52	15	eP	P	01 16 47.3	+0.9	Z49A	Columbiana	95.86	359	P	P	01 17 00.8	-0.7
TUQ	Turquoise Moun	90.09	23	P	P	01 16 34.3	-0.7	ANMO	Albuquerque	92.52	15	P	P	01 16 47.0	+0.6	MNTX	Cornudas Mount	95.87	15	eP	P	01 17 03.4	+1.8
EDW2	Edwards Air Fo	90.10	25	P	P	01 16 34.5	-0.5	TASM	ASL Pad, Albuq	92.52	15	P	P	01 16 46.6	+0.2	MNTX	Cornudas Mount	95.87	15	eP	P	01 17 01.2	-0.4
Q42A	Golden Eagle	90.12	2	P	P	01 16 34.3	-0.6	TASM	ASL Pad, Albuq	92.52	15	P	P	01 16 46.7	+0.3	LBTB	Labatse	95.95	237	eP	P	01 17 01.1	-0.8
Q48A	North Vermo	90.13	359	P	P	01 16 33.9	-1.0	BAR	Barrett	92.53	24	eP	P	01 16 47.7	+1.5	LBTB	Labatse	95.95	237	eP	P	01 17 01.1	-0.8
Q47A	Bedord North L	90.13	359	P	P	01 16 34.1	-0.8	U49A	Red Boiling Sp	92.55	359	P	P	01 16 45.3	-0.9	LRAL	Lakeview R1s	96.03	360	P	P	01 17 01.5	-0.7
Q50A	Georgetown	90.18	357	P	P	01 16 34.2	-1.0	U48A	Cassie Pea, Po	92.56	359	P	P	01 16 45.5	-0.8	155A	Kite	96.32	356	P	P	01 17 03.0	-0.6
Q45A	Warren Harvey,	90.18	0	P	P	01 16 34.6	-0.5	U40A	Yellville	92.59	4	P	P	01 16 45.4	-1.1	149A	Jones	96.46	359	P	P	01 17 03.4	-0.8
OLIL	Olney	90.34	0	eP	P	01 16 36.1	+0.2	U53A	Fall Branch	92.60	356	P	P	01 16 45.6	-0.9	251A	Midway	96.95	358	P	P	01 17 06.2	-0.3
R59A	King George, V	90.41	352	P	P	01 16 35.1	-1.2	U52A	Thorn Hill	92.60	357	P	P	01 16 45.5	-1.0	252A	Lumpkin	97.03	358	P	P	01 17 06.1	-0.7
R57A	Stanardsville	90.43	353	P	P	01 16 35.2	-1.2	HHAR	Hobbs	92.61	5	eP	P	01 16 45.8	-0.7	LTX	Lajitas	98.46	14	eP	P	01 17 13.0	-0.5
R55A	Marionton	90.56	354	P	P	01 16 35.9	-1.2	U50A	Glaxtonwood	92.62	358	P	P	01 16 45.1	-1.5	LTX	Lajitas	98.46	14	eP	P	01 17 13.0	-0.5
R52A	Catlettsburg	90.64	356	P	P	01 16 35.9	-1.4	U47A	Clarksville	92.63	360	P	P	01 16 45.4	-1.2	TXAR	Lajitas Array	98.46	14	P	P	01 17 13.0	-0.4
R48A	Northridge Ran	90.66	359	P	P	01 16 36.3	-1.2	GLA	Glamis	92.63	23	eP	P	01 16 47.5	+0.7	BOSA	Boshof	99.05	235	P	Pdf	01 17 14.7	-1.1
T25A	Trinidad	90.69	13	eP	P	01 16 37.8	-0.2	GLA	Glamis	92.63	23	eP	P	01 16 47.5	+0.7	BOSA	Boshof	99.05	235	P	Pdf	01 17 14.7	-1.1
T25A	Trinidad	90.69	13	P	P	01 16 37.2	-0.7	GLA	Glamis	92.63	23	eP	P	01 16 47.5	+0.7	MAW	Mawson	120.65	193	PKP	PKPdf	01 22 24.0	-1.3
MWC	Mount Wilson	90.70	25	eP	P	01 16 39.9	+1.9	GLA	Glamis	92.63	23	P	P	01 16 45.9	-0.9	MAW	Mawson	120.65	193	PKP	PKPdf	01 22 24.0	-1.3
R51A	Hillsboro	90.71	357	P	P	01 16 36.7	-1.0	IKP	In-Ko-Pah, Jac	92.70	24	P	P	01 16 45.9	-1.2	PTGA	Pittinga	124.50	326	ePKP	PKPdf	01 22 33.4	-1.1
R54A	Victor	90.71	355	P	P	01 16 36.8	-0.9	TUL1	Leonard	92.86	7	P	P	01 16 46.6	-1.1	SYO	Syowa Base	126.13	201	eX	PKPpre	01 22 34.2	-0.4
R58B	Mineral	90.71	352	eP	P	01 16 37.2	-0.5	V57A	Coltrane Farms	92.92	354	P	P	01 16 47.0	-0.9	OTAV	Otavalo	128.08	348	ePKP	PKPdf	01 22 42.8	+0.3
R58B	Mineral	90.71	352	P	P	01 16 36.7	-1.0	V59A	Middlesex	92.92	352	P	P	01 16 47.0	-1.0	OTAV	Otavalo	128.08	348	ePKP	PKPdf	01 22 42.8	+0.3
R41A	Rosebud	90.71	3	P	P	01 16 36.8	-0.9	LAZ	Ladron	92.93	16	eP	P	01 16 49.6	+1.3	BDFB	Brasilia	132.47	304	ePKP	PKPdf	01 22 49.8	-1.8
R50A	Paris	90.75	357	P	P	01 16 36.6	-1.3	WWT	Waverly	92.94	0	eP	P	01 16 48.1	+0.1	BDFB	Brasilia	132.47	304	ePKP	PKPdf	01 22 49.8	-1.8
R49A	Shelbyville	90.76	358	P	P	01 16 36.7	-1.2	WWT	Waverly	92.94	0	eP	P	01 16 48.1	+0.1	VNA2	Neumayer-Watz	140.40	211	PKP	PKPpre	01 22 59.2	-0.9
R47A	Wooly Knot Far	90.77	359	P	P	01 16 37.0	-1.0	WWT	Waverly	92.94	0	P	P	01 16 47.1	-1.0	VNA3	Neumayer Olymp	141.19	110	PKP	PKPpre	01 22 56.5	-0.8
GMRC	Granite Mounta	90.78	23	P	P	01 16 37.4	-0.9	V58A	Win Hill, Pi	92.96	353	P	P	01 16 47.1	-1.0	LPZ3	Lopez	141.78	329	PKP	PKPpre	01 22 58.5	-0.8
R45A	Skyler, Fairly	90.78	1	P	P	01 16 37.1	-0.9	V56A	Mocksiville	93.04	354	eP	P	01 16 47.1	-1.0	LPZ4	Lopez	141.78	329	PKP	PKPpre	01 22 58.5	-0.8
RFC5	Mount Baldy Ra	90.79	25	P	P	01 16 37.3	-1.1	V56A	Mocksiville	93.04	354	P	P	01 16 47.7	-0.8	LPZ4	Lopez	141.78	329	PKP	PKPpre	01 22 58.5	-0.8
WCI	Wyandotte Cave	90.84	359	P	P	01 16 37.3	-1.0	V55A	Taylorville	93.04	355	P	P	01 16 47.9	-0.7	GO01	Chumzima	145.29	329	ePKP	PKP	01 23 05.7	-1.8
S59A	Mechicsville	90.86	352	P	P	01 16 38.2	-0.2	V54A	Nebo	93.15	355	P	P	01 16 47.9	-1.2	PB11	IPOC Station P	145.53	329	ePKP	PKPdf	01 23 12.1	-1.1
R46A	Gibon Southern	90.86	360	P	P	01 16 37.2	-1.2	V52A	Sevierville	93.16	357	P	P	01 16 48.5	-0.6	CPUP	Villa Florida	146.14	306	ePKP	PKPdf	01 23 12.4	-2.6
W13A	Hualapai Mount	90.90	21	eP	P	01 16 39.5	+0.6	LENM	Lemitar	93.19	16	eP	P	01 16 51.0	+1.5	CPUP	Villa Florida	146.14	306	ePKP	PKPdf	01 23 12.4	-2.6
CCM	Cathedral Cave	90.96	3	eP	P	01 16 38.3	-0.5	V51A	Loudon	93.22	357	P	P	01 16 48.5	-0.9	CPUP	Villa Florida	146.14	306	ePKP	PKPdf	01 23 12.4	-2.6
CCM	Cathedral Cave	90.96	3	eP	P	01 16 38.3	-0.5	BNN	Barren Site	93.27	16	eP	P	01 16 52.3	+2.4	LVC	Limon Verde	147.92	326	ePKP	PKPdf	01 23 20.4	-0.2
CCM	Cathedral Cave	90.96	3	eP	P	01 16 38.3	-0.5	V46A	Holladay	93.27	0	P	P	01 16 49.0	-0.5	BP04	IPOC Station P	148.09	328	ePKP	PKP	01 23 21.2	-0.4
CCM	Cathedral Cave	90.96	3	eP	P	01 16 37.2	-1.6	V49A	McMillnville	93.29	359	P	P	01 16 49.0	-0.5	HOPE	Hope Point	149.55	244	ePKP	PKP	01 23 23.5	+0.2
WUJAZ	Wupatki	91.04	19	eP	P	01 16 40.5	+1.0	V53A	Saluda	93.30	356	eP	P	01 16 48.8	-0.9	GO02	Minna Guanaco	150.51	325	ePKP	PKPdf	01 23 23.5	+0.2
WUJAZ	Wupatki	91.04	19	P	P	01 16 39.6	0.0	V53A	Saluda	93.30	356	P	P	01 16 49.1	-0.7	GO03	Copiap	152.96	325	ePKP	PKP	01 23 26.9	-0.4
FVM	French Village	91.05	2	eP	P	01 16 39.6	+0.3	V48A	Smith Brothers	93.33	359	P	P	01 16 48.7	-1.1	GO03	Copiap	152.96	325	ePKP	PKP	01 23 26.9	-0.4
FVM	French Village	91.05	2	eP	P	01 16 39.6	+0.3	V50A	Pikeville	93.37	358	P	P	01 16 48.8	-1.1	GO03	Copiap	152.96	325	ePKP	PKP	01 23 26.9	-0.4
SIUC	Southern Illin	91.35	1	eP	P	01 16 40.8	+0.2	STKA	Stephens Creek	93.41	140	eP	P	01 16 49.7	-0.3	GO04	Tololo Observa	155.50	323	ePKP	PKP	01 23 35.5	+0.1
S50A	Richmond	91.35	358	P	P	01 16 39.6	-1.1	STKA	Stephens Creek	93.41	140	eP	P	01 16 49.7</									



ZALV	Zalesovo Beam	24.96 40	P	P	02 05 38.7	+3.1
CMAR	Chiang Mai Arr	40.88 106	P	P	02 07 59.3	+4.8
ESDC	Sonsea Array	47.21 293	P	P	02 08 44.8	-0.5
YKA	Yellowknife Arr	80.11 356	P	P	02 12 23.7	+1.8

UCR 30 02:05:21.9-1.3, 13:17N-89.49W, h57km <sub>2</sub> , 13km, MD3.5, ML3.7, 1C, El Salvador						
Code	Station Name	Δ° AZZ	Phase ID	Op	ISC	Time Res
LOMA	San Marcos	0.56 32	eP	Pn	ISC	02 05 34.4 +0.0
LOMA			eS	Pn	ISC	02 05 44.4 +1.0
LOMA			IAML			02 05 45.5
SNET	Serv Nac Est T	0.57 26	eP	Pn	ISC	02 05 34.9 +0.4
SNET			eS	Pn	ISC	02 05 44.6 +0.9
SNET			IAML			02 05 48.3
BOQS	Boqueron	0.59 20	eP	Pn	ISC	02 05 34.9 0.0
BOQS			eS	Pn	ISC	02 05 45.1 +0.7
UTEC	San Salvador	0.59 28	eP	Pn	ISC	02 05 45.3 +1.2
UEES	San Salvador	0.60 23	IAML			02 05 44.4 +1.0
OPAM	San Salvador	0.61 27	eS	Pn	ISC	02 05 45.6 +1.2
OPAM			IAML			02 05 48.3
LFRS	El Faro	0.61 43	eP	Pn	ISC	02 05 35.2 +0.2
CEDA	San Andres	0.63 8	eP	Pn	ISC	02 05 35.2 0.0
CEDA			IAML			02 05 47.7
CEVE	Cerro Verde	0.67 348	eP	Pn	ISC	02 05 35.5 -0.4
CEVE			IAML			02 05 52.6
SBSL	San Blas	0.68 349	eP	Pn	ISC	02 05 35.7 -0.3
LFU	La Fuente	0.68 32	eP	Pn	ISC	02 05 36.2 +0.4
SNEJ	San Jose	0.70 350	eP	Pn	ISC	02 05 36.0 -0.2
SNEJ	Las Brisas	0.71 37	eP	Pn	ISC	02 05 37.5 +0.2
USW	Ojushada	0.71 73	eP	Pn	ISC	02 05 37.3 +1.4
RTR	El Retiro	0.74 348	eP	Pn	ISC	02 05 36.5 -0.2
PAVA	Las Pavas	0.76 45	eS	Pn	ISC	02 05 49.2 +1.5
PAVA			IAML			02 05 51.8
UNIC	Santa Ana	0.82 355	eP	Pn	ISC	02 05 37.4 -0.2
UNIC			eS	Pn	ISC	02 05 49.9 +0.9
LLGN	La Laguna	1.12 28	eP	Pn	ISC	02 05 41.2 -0.3
VICT	Victoria	1.14 46	eP	Pn	ISC	02 05 41.6 -0.1
PACAY	Pacayal	1.17 75	eP	Pn	ISC	02 05 42.5 +0.3
PACAY			IAML			02 05 59.8
LCY	Lacayo	1.19 78	eS	Pn	ISC	02 05 58.5 +0.8
VSM	San Miguel	1.21 78	eP	Pn	ISC	02 05 43.4 +0.6
MT03	Montecristo	1.23 6	eP	Pn	ISC	02 05 42.9 -0.2
IXG	Ixcap	1.37 61	eP	Pn	ISC	02 05 45.1 +0.3
IXG			eS	Pn	ISC	02 06 02.3 +0.4
CAHU	Cacuacatique	1.38 34	eP	Pn	ISC	02 05 44.5 -0.6
LCND	La Caada	1.56 85	IAML			02 06 09.4
CNCH	Conchagua	1.61 86	eS	Pn	ISC	02 06 08.8 +0.8
PCG	Pacaya	1.63 318	eP	Pn	ISC	02 05 50.2 +1.6
PCG			eS	Pn	ISC	02 06 10.0 +1.4
NBG	Las Nubes	1.64 329	eP	Pn	ISC	02 05 49.6 +0.9
NBG			eS	Pn	ISC	02 06 10.9 +2.1
FUG	Fuego 3	1.83 314	eP	Pn	ISC	02 05 51.9 +0.7
FUG			eS	Pn	ISC	02 06 14.1 +0.7

SJA 30 02:10:50.4-0.7, 21:00S:68:73W, h120km<sub>2</sub>, 8km, MD2.5  
 GUC 30 02:10:50.9-0.8, 20:97S:68:81W, h121km<sub>2</sub>, 5km, ML3.5  
 IDC 30 02:10:51.4-0.9, 21:13S:68:06W, h12km<sub>2</sub>, 14km, mb3.5/1,  
 mb1 3.4/4, mb1mx3.2/24, mbtmp3.8/4, Error ellipse:  
 s-maj=31.5km s-min=9.7km az=108.0

ISC 30 02:10:51.4-1.0, 20:95S:68:82W, h124km <sub>2</sub> , 8km, n28, α077/45, 5C-3D, Chile-Bolivia border region						
Code	Station Name	Δ° AZZ	Phase ID	Op	ISC	Time Res
PB01	IPOC Station P	0.63 265	iP	Pn	ISC	02 11 10.4 -0.2
PB01			iS	Pn	ISC	02 11 25.2 0.0
PB01			IAML			02 11 27.0
PB08	IPOC Station P	0.90 340	eP	Pn	ISC	02 11 13.4 +0.2
PB08			eS	Pn	ISC	02 11 29.6 -0.1
PB08	IPOC Station P	0.90 340	eP	Pn	ISC	02 11 13.1 -0.1
PB08			iS	Pn	ISC	02 11 29.5 -0.1
PB08			IAML			02 11 30.5
PB09	IPOC Station P	0.90 206	eP	Pn	ISC	02 11 13.0 +0.1
PB09			iS	Pn	ISC	02 11 29.6 +0.3
PB09			IAML			02 11 32.5
PB02	IPOC Station P	1.06 251	eP	Pn	ISC	02 11 14.9 +0.5
PB02			eS	Pn	ISC	02 11 32.7 +0.9
PB02	IPOC Station P	1.06 251	iP	Pn	ISC	02 11 14.8 +0.5
PB02			iS	Pn	ISC	02 11 32.5 +0.7
PB02			IAML			02 11 36.3
PB07	IPOC Station P	1.24 233	eP	Pn	ISC	02 11 16.4 0.0
PB07			eS	Pn	ISC	02 11 35.8 +0.5
PB07	IPOC Station P	1.24 233	iP	Pn	ISC	02 11 16.5 +0.2
PB07			eS	Pn	ISC	02 11 35.7 +0.5
PB07			IAML			02 11 38.6
PB03	IPOC Station P	1.37 219	eP	Pn	ISC	02 11 17.8 0.0
PB03			eS	Pn	ISC	02 11 38.2 +0.4
PB03	IPOC Station P	1.37 219	iP	Pn	ISC	02 11 17.9 +0.1
PB03			iS	Pn	ISC	02 11 37.9 +0.1
PB03			IAML			02 11 39.9
PB11	IPOC Station P	1.45 327	eP	Pn	ISC	02 11 18.5 -0.2
PB11			eS	Pn	ISC	02 11 40.0 +0.6
PB11	IPOC Station P	1.45 327	iP	Pn	ISC	02 11 18.5 0.0
PB11			iS	Pn	ISC	02 11 39.5 +0.1
PB11			IAML			02 11 41.7
LVC	Limon Verde	1.62 183	P	Pn	ISC	02 11 20.8 0.0
LVC			S	Pn	ISC	02 11 43.1 -0.1
LVC			IAML			02 11 47.4
PB04	IPOC Station P	1.82 222	eP	Pn	ISC	02 11 23.6 +0.6
PB04			iS	Pn	ISC	02 11 48.3 +1.1
PB04			IAML			02 11 54.6
PSGC	Pisagua	1.84 318	iP	Pn	ISC	02 11 23.1 -0.1
PSGC			iS	Pn	ISC	02 11 47.4 -0.1
PSGC			IAML			02 11 53.7
PB06	IPOC Station P	1.85 202	iP	Pn	ISC	02 11 23.4 +0.1
PB06			iS	Pn	ISC	02 11 47.9 +0.1
PB06			IAML			02 11 48.9
MNMCX	Minye Minye	1.98 338	eP	Pn	ISC	02 11 25.9 +0.8
PB05	IPOC Station P	2.26 214	eP	Pn	ISC	02 11 28.5 +0.1
PB05			iS	Pn	ISC	02 11 29.1 +0.7
PB05			IAML			02 12 09.8
PB15	IPOC Station P	2.29 195	eP	Pn	ISC	02 11 28.9 0.0
PB15			eS	Pn	ISC	02 11 29.8 +0.9
PB15			iS	Pn	ISC	02 11 58.8 +1.1
PB12	IPOC Station P	2.75 329	iP	Pn	ISC	02 11 44.0 +0.7
PB12			iS	Pn	ISC	02 12 08.5 +0.5
PB12			IAML			02 12 15.0
LPAZ	La Paz	4.72 8	P	Pn	ISC	02 12 02.4 +1.1
LPAZ			S	Pn	ISC	02 12 58.0 +2.6
SIV	San Ignacio	8.87 57	P	Pn	ISC	02 12 50.2 -6.5
SIV			S	Pn	ISC	02 14 23.9 -1.1
PLCA	Paso Flores	19.74 184	P	P	ISC	02 15 12.3 +0.8
TORD	Torodi Ara Bea	22.29 189	P	P	ISC	02 22 29.2 -2.5
MKAR	Makanchi Array	145.17 36	PKP	PKPdf	ISC	02 30 15.1 +0.7

IDC 30 02:13:17.4-1.5, 30:21N:103:12E, h0km, mb3.4/6, mb1 3.6/7, mb1mx3.4/37, mbtmp3.4/7, ML3.6/1, Error ellipse: s-maj=43.9km s-min=24.7km az=58.0						
ISC 30 02:13:22.7-1.5, 30:3N:02:103.2E:0.2, h35km, n7, α049/47, mb3.4/6, Sichuan						
Code	Station Name	Δ° AZZ	Phase ID	Op	ISC	Time Res
SONM	Songino Array	17.74 7	Op	Pn	ISC	02 17 28.1 +0.6
KSR5	Korea Array	21.76 64	P	P	ISC	02 18 10.8 -0.3
MKAR	Makanchi Array	23.11 321	P	P	ISC	02 18 25.3 -0.2
ZALV	Zalesovo Beam	27.15 336	P	P	ISC	02 19 02.4 0.0
WRA	Warramunga Arr	58.23 145	P	P	ISC	02 23 13.9 +0.2
ILAR	Eielson Array	70.96 25	P	P	ISC	02 24 36.5 +0.3
YKA	Yellowknife Arr	82.75 17	P	P	ISC	02 25 42.0 -0.6

IDC 30 02:22:23.9-3.3, 57:48S:27:13W, h0km, mb3.5/2, mb1 3.6/2, mb1mx3.5/16, mbtmp3.5/2, Error ellipse: s-maj=122.6km s-min=56.8km az=170.0						
ISC 30 02:22:21.7-1.5, 58:8S:02:25.2W:0.5, h10km, n8, α0532/7, South Sandwich Islands region						
Code	Station Name	Δ° AZZ	Phase ID	Op	ISC	Time Res
VNA1	Neumayer-Stat	13.83 156	Op	Pn	ISC	02 25 37.9 +0.4
VNA3	Neumayer Olymp	14.03 159	P	Pn	ISC	02 25 39.7 -0.4
VNA2	Neumayer-Watz	14.23 156	P	Pn	ISC	02 25 42.9 0.0
SNA4	Sanae	15.78 154	P	Pn	ISC	02 26 03.7 0.0
LPAZ	La Paz	52.85 305	P	Pn	ISC	02 31 29.7 -8.3
TORD	Torodi Ara Bea	74.97 27	P	P	ISC	02 34 02.7 -0.1
YKA	Yellowknife Arr	138.92 315	PKP	PKPdf	ISC	02 41 46.8 +0.2
ILAR	Eielson Array	152.71 307	PKP	PKPbc	ISC	02 42 17.0 0.0

NIED 30 02:27:00, 38:90N, 142:40E, h29km, Mw3.7 Best double  
 couple: M3 560000-1014 NP1 q3:317.00000; S21.00000,  
 1-108.00000; NP2 q3:156.00000; S70.00000,  
 1-83.00000  
 JMA 30 02:27:00.9-0.1, 38:97N:142:40E, h33km<sub>2</sub>, 2km, M3.9  
 JMA Felt J1  
 IDC 30 02:27:34.8-3.0, 38:90N:142:43E, h56km<sub>2</sub>, 29km, mb3.3/8,  
 mb1 3.6/12, mb1mx3.4/33, mbtmp3.6/12, ML3.2/4, MS2.7/4,  
 Ms1 2.7/4, ms1mx2.5/26, Error ellipse: s-maj=36.4km  
 s-min=12.6km az=114.0  
 ISC 30 02:27:32.1-1.6, 38:96N:0:04:142:26E:0:07, h28km<sub>2</sub>, 11km,  
 n32, α1961/34, mb3.6/8, Near east coast of eastern  
 Honshu

Code	Station Name	Δ° AZZ	Phase ID	Op	ISC	Time Res
OFUJ	Ofunato	0.48 285	P	Pn	ISC	02 27 42.6 -0.5
OFUJ			S	Pn	ISC	02 27 50.8 +0.2
JKMT	Kesennumamotoy	0.63 256	P	Pn	ISC	02 27 44.7 -0.6
JKMT			S	Pn	ISC	02 27 54.3 -0.1
MIYJ	Miyakonagasawa	0.70 331	P	Pb	ISC	02 27 44.9 -1.0
MIYJ			S	Pb	ISC	02 27 54.8 -0.4
JMK	Ichinoseki	0.81 270	P	Pn	ISC	02 27 47.7 0.0
JMK			S	Pn	ISC	02 27 59.5 +0.6
JIO	Ouri	0.88 235	P	Pb	ISC	02 27 47.8 -0.9
JIO			S	Pb	ISC	02 27 59.4 -0.6
JOM	Ohasama	0.91 304	P	Pn	ISC	02 27 49.1 0.0
JOM			S	Pn	ISC	02 28 01.9 +0.6
JTH	Tanohata	1.02 343	P	Pb	ISC	02 27 49.4 -1.8
JJK	Kuzumaki	1.25 325	P	Pb	ISC	02 27 54.1 +0.3
JJK			S	Pb	ISC	02 28 10.4 +0.2
JRG	Rokugo	1.34 289	P	Pb	ISC	02 27 56.2 -0.4
JRG			eS	Pb	ISC	02 28 15.0 +1.7
JOU	Okura	1.39 245	P	Pb	ISC	02 27 56.1 -1.3
JOU	Kaneyama	1.48 269	P	Pb	ISC	02 27 57.8 -1.2
JANG	Nango	1.52 338	P	Pb	ISC	02 27 57.4 -0.2
MIAT	Mitsushima	4.02 234	P	Pn	ISC	02 28 34.7 +2.8
MJAR	Matsushiro Arr	4.02 234	P	Pn	ISC	02 28 33.6 +1.7
MJAR			Sb	Pn	ISC	02 29 33.6 +3.2
MJAR			LR	Pn	ISC	02 30 21.1
ASAJ	Asahikawa	5.16 3 2	P	Pn	ISC	02 28 51.4 +4.0
ASAJ			S	Pn	ISC	02 29 48.7 +2.7
JNU	Nakatsue	10.90 241	P	Pn	ISC	02 30 10.0 +3.7
JNU			LR	Pn	ISC	02 34 41.9
KSR5	Korea Array	11.38 267	P	Pn	ISC	02 30 18.0 +5.2
KSR5			LR	Pn	ISC	02 34 53.0
PETK	Petrovavlovsk-	17.69 32	LR	LR	ISC	02 37 43.8
MA2	Magadan	21.33 12	P	P	ISC	02 32 16.4 -0.3
H1N2	WAKE ISLAND Hy	28.63 125	T	T	ISC	03 03 47.3
H1N1	WAKE ISLAND Hy	28.64 125	T	T	ISC	03 03 49.5
H1N3	WAKE ISLAND Hy	28.65 125	T	T	ISC	03 03 48.7
H1S1	WAKE ISLAND Hy	29.41 127	T	T	ISC	03 04 45.8
H1S3	WAKE ISLAND Hy	29.41 127	T	T	ISC	03 04 45.8
H1S2	WAKE ISLAND Hy	29.43 127	T	T	ISC	03 04 46.9
MKAR	Makanchi Array	43.69 301	P	P	ISC	02 35 35.1 +0.5
ILAR	Eielson Array	47.51 33	P	P	ISC	02 36 04.0 -0.5

30d 3h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CESI, MGAB, FDMO, CSPI.

IDC 30 03:24:09.5:3.5, 7:57S: 127.64E, h153km, 33km, mb3.6/7, mb1.3, 9.9, mb1mx3.6/44, mbtmp4.2/9, Error ellipse: s-maj=34.3km s-min=13.4km az=75.0

ISC 30 03:24:08.5:0.7, 7:76S: 107.1279E:0.1, h150km, n14, e251/18, mb3.9/8, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BATI, FITZ, WRA, ASAR, STKA, KRSR, USRK, SONM, MKAR, Vnda, KURBB, CPUP, LPAZ.

DDA 30 03:24:47.9, 38.76N: 43.47E, h7km, 4km, ML2.6

ISK 30 03:24:47.2, 38.76N: 43.48E, h15km, ML2.4/6

ISC 30 03:24:47.6:1.4, 38.76N: 0.03:43.49E:0.05, h13km, 16km, n14, e0531/18, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VANB, TVAN, VMUR, CLDR, GEVA, AKDM, ADCV, MLAZ, TUTA, AGRB, BLIS, GURO, SRMT.

TEH 30 03:26:38.4, 40.12N: 53.26E, h10km, ML4.0

IDC 30 03:26:39.0:1.2, 40.03N: 53.04E, h0km, mb3.3/4, mb1.3, 7/10, mb1mx3.5/45, mbtmp3.6/10, ML3.7/7, MS3.6/2, Ms1.3, 6/2, ms1mx2.4/35, Error ellipse: s-maj=17.6km s-min=10.4km az=174.0

THR 30 03:26:39.8, 40.03N: 53.17E, h15km, ML4.0

AZER 30 03:26:44.0:1.0, 39.76N: 53.01E, h10km, ml3.8/20, Error ellipse: s-maj=10.0km s-min=6.7km az=46.0

NNC 30 03:26:51.1:3.6, 40.91N: 53.59E, h0km, mb3.9, Error ellipse: s-maj=80.3km s-min=28.5km az=105.0

ISC 30 03:26:39.3:0.6, 40.10N: 0.05:53.22E:0.03, h10km, n91, e2541/110, 22C-24D, Turkmenistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NDR, ALIB, GBS, MRVT, MRVT, MRVT, ATGJ, SIZA, SIZA, POL, LKRN, LKRN, ASTR, ASTR, QUBA, QUBA, GLBA, GLBA, KDMR, IML, QUB, XNQ.

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Table with columns: XNQ, Khinaliq, SNR, QUSAR, Qusar, LRRK, Lerik, LRRK, Lerik, ZARD, Zardab, ISHM, Shahrizad, GEYT, Alibeck, GEYT, IGZV, Ghazvin, IFIR, Firoozkoo, CHTH, Charan, CHTH, Charan, IDHV, Damavand, BRDA, Brd, BRDA, Brd, SHRO, Shahrood, SHRO, Shahrood, IANJ, Anjilo, SEKA, Sheki, SEKA, Sheki, ISFR, Sfrayuz, IMHD, Mahdasht, ISRB, Sarab, ZNUK, Zanjanz, ZNUK, Zanjanz, ZNUK, Zanjanz, IEMG, Emangholi, SBZV, Sabzevar, ZKTA, Zakatala, ZKTA, Zakatala, GANJ, Ganja, GANJ, Ganja, IKRD, Kardeh, IAKL, Akhmedad, ORD, Orudubad, ORD, Orudubad, GDB, GEDABAY, GDB, GEDABAY, GDB, GEDABAY, SBZ, Shahbuz, SBZ, Shahbuz, NAX, Nakhchivan, QZX, Qazax, QZX, Qazax, IMYA, Miami, MAKU, Maku, TABS, Tabas, TABS, Tabas, ITEG, Tejag, KBZ, Khabaz, KBZ, Khabaz, KVAR, Kislovodsk Arr, IKOO, Kooshah, AB31, Akbulak array, AB31, Akbulak array, AKTO, Aktyubinsk, AKTO, Aktyubinsk, AKTO, Aktyubinsk, KVAR, Karatay Array, BRTR, Keskin Array B, BVAR, Borovoye Array, BVAR, Borovoye Array, EIL, Elat, AKASE, Malin Array Be, KURBB, Kurchatov Arr, MKAR, Makanchi Arr, FINES, FINESS Array B, TORD, Torodi Arr, TGy, Tagaytay City, MEX 30 03:31:02.3:0.5, 17.09N: 100.86W, h16km, 6km, MD3.9, Guerrero

1800

Table with columns: ENA, Nanau, ENA, Nanau, NTC, Toucheng, NTC, Toucheng, NTC, Toucheng, TWB1, Santiao Chiao, TWB1, Santiao Chiao, TWE, Neicheng, TWE, Neicheng, TIPB, Shuangxi, TIPB, Shuangxi, SLBB, Yuanshan, SLBB, Yuanshan, ENTT, Nioudou, ENTT, Nioudou, NDT, Datong Townshi, NDT, Datong Townshi, NWF, Wu-fen Shan, NWF, Wu-fen Shan, WFSB, Wu-fen Shan, WFSB, Wu-fen Shan, NWTL, Wulai, NWTL, Wulai, NACB, Ninganchiao, NACB, Ninganchiao, TWA, Nua, TWA, Nua, NHDH, Xindian Distri, NHDH, Xindian Distri, NHDH, Xindian Distri, TWD, Chiawan, TWD, Chiawan, TWD, Chiawan, JYNG, Yonagunijimaku, JYNG, Yonagunijimaku, JYNG, Yonagunijimaku, JYNG, Yonagunijimaku, ETHL, Yeheng, ETHL, Yeheng, YHNB, Yeheng, YHNB, Yeheng, NNS, Nan Shan, NNS, Nan Shan, NNS, Nan Shan, NNS, Nan Shan, NSK, Sanguan, NSK, Sanguan, NSK, Sanguan, NSK, Sanguan, TAP, Taipei, TAP, Taipei, YOJ, Yonaguni jima, YOJ, Yonaguni jima, YOJ, Yonaguni jima, YOJ, Yonaguni jima, HWA, Hwaling, HWA, Hwaling, YM07, Yonaguni jima, YM07, Yonaguni jima, YM01, Yonaguni jima, YM01, Yonaguni jima, YM01, Yonaguni jima, YM11, Yonaguni jima, YM11, Yonaguni jima, YM11, Yonaguni jima, YM08, Yonaguni jima, YM08, Yonaguni jima, ENLB, Shoufeng, ENLB, Shoufeng, TWY, Chenhua, TWY, Chenhua, TWY, Chenhua, TWY, Chenhua, WLBT, Daxi, WLBT, Daxi, WLBT, Daxi, WLBT, Daxi, NTST, Danshui, NTST, Danshui, NTST, Danshui, NTST, Danshui, WHF, Hehuan Shan, WHF, Hehuan Shan, TWT, Tachien, TWT, Tachien, TDCB, Tachien, TDCB, Tachien, NCU, National Centr, NCU, National Centr, NCU, National Centr, NCU, National Centr, ESLL, Shilin, ESLL, Shilin, ESLL, Shilin, ESLL, Shilin, CHGB, Renai, CHGB, Renai, CHGB, Renai, CHGB, Renai, PCYT, Pengchayiu, PCYT, Pengchayiu, NSTT, Nanjuang, NSTT, Nanjuang, NSTT, Nanjuang, NSTT, Nanjuang, OWD, Renai, OWD, Renai, OWD, Renai, OWD, Renai, SBCB, Hsinchu, SBCB, Hsinchu, SBCB, Hsinchu, SBCB, Hsinchu

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like HSN, EGFH, WHP, VVWD, NMLH, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like JTTJ, MASBT, TAW, WYUC, MATH, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like VCA, VCA, VCA, ACCO, AMOC, etc.



30D 3h

Table with columns: ID, Name, Time, Status, and other metrics. Includes entries like BBAC Balboa, Cauca, POPC Popayan, etc.

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Table with columns: ID, Name, Time, Status, and other metrics. Includes entries like Z52A Williamson, GOGA Godfrey, etc.

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Table with columns: ID, Name, Time, Status, and other metrics. Includes entries like W49A Belvidere, X46A Booneville, etc.

R54A	Victor	67.16 351	P	P	04 07 48.9 +0.2
W39A	Magazine	67.19 339	eP	P	04 07 50.3 +1.5
W39A	Magazine	67.19 339	P	P	04 07 50.1 +1.2
S50A	Richmond	67.22 348	P	P	04 07 49.0 0.0
U44A	Portageville	67.25 343	P	P	04 07 49.8 +0.5
T46A	Princeton	67.33 345	P	P	04 07 49.9 +0.2
PARMO	Parma	67.42 343	eP	P	04 07 51.5 +1.2
R53A	Hurricane	67.45 350	P	P	04 07 50.5 +0.1
T45A	Paducah	67.48 344	eP	P	04 07 51.4 +0.7
T45A	Paducah	67.48 344	P	P	04 07 50.8 +0.1
S49A	Springfield	67.49 347	P	P	04 07 50.8 +0.1
S48A	Wiedeman Farm,	67.52 347	P	P	04 07 51.2 +0.3
S47A	Hartford	67.64 346	P	P	04 07 51.7 +0.1
R51A	Hillsboro	67.68 349	P	P	04 07 51.8 -0.1
Q57A	Strasburg	67.69 353	P	P	04 07 53.3 +1.3
U41A	Viola	67.70 341	P	P	04 07 52.5 +0.4
PBMO	Poplar Bluff	67.70 343	eP	P	04 07 52.7 +0.6
PBMO	Paris	67.80 348	eP	pP	04 08 16.5 -0.1
R50A	Buckhannon	67.85 352	P	P	04 07 53.8 +0.8
Q53A	Leroy	67.91 351	P	P	04 07 53.5 +0.2
S46A	Don Dixon Farm	67.91 345	P	P	04 07 53.0 -0.3
Q54A	Coxs Mills	67.93 351	eP	P	04 07 53.5 +0.1
Q54A	Coxs Mills	67.93 351	P	P	04 07 53.3 -0.2
R49A	Shelbyville	67.96 347	P	P	04 07 53.3 -0.3
U40A	Yellville	67.98 341	P	P	04 07 54.5 +0.6
P59A	Jarrettsville	68.09 355	P	P	04 07 55.6 +1.2
S45A	Carrier Mills	68.10 344	P	P	04 07 54.7 +0.2
Q52A	Bidwell	68.12 350	P	P	04 07 54.7 +0.1
WCI	Wyandotte Cave	68.12 347	eP	P	04 07 54.5 -0.2
WCI	Wyandotte Cave	68.12 347	eP	pmax	04 07 54.5 -0.2
WCI	Wyandotte Cave	68.12 347	P	P	04 07 54.4 -0.3
R48A	Northridge Ran	68.20 347	P	P	04 07 55.1 0.0
P60A	Greenville	68.23 356	P	P	04 07 55.6 +0.3
R47A	Wooly Knot Far	68.23 346	P	P	04 07 55.9 +0.5
HHAR	Hobbs	68.24 340	eP	P	04 07 56.2 +0.8
HHAR	Carbondale	68.27 344	eP	pP	04 08 21.8 +1.2
Q50A	Georgetown	68.28 349	P	P	04 07 56.2 +0.6
SIUC	Southern Illin	68.28 344	eP	P	04 07 56.1 +0.4
P55A	Reedsville	68.32 352	P	P	04 07 56.7 +0.7
Q51A	Peebles	68.35 349	eP	P	04 07 56.5 +0.3
Q51A	Peebles	68.35 349	P	P	04 07 55.9 -0.2
CLNB	Carlsbad	68.39 330	eP	P	04 07 56.6 0.0
MVL	Millersville	68.47 355	eP	P	04 07 58.4 +1.6
MCWV	Mont Chateau	68.47 352	eP	P	04 07 57.6 +0.8
MCWV	Mont Chateau	68.47 352	P	P	04 07 57.4 +0.6
WMOK	Wichita Mounta	68.47 335	eP	P	04 07 57.7 +0.7
WMOK	Wichita Mounta	68.47 335	eP	pmax	04 07 57.7 +0.7
WMOK	Wichita Mounta	68.47 335	P	P	04 07 57.3 +0.3
TUL1	Leonard	68.48 338	P	P	04 07 57.8 +0.8
TUL1	Leonard	68.48 338	P	P	04 07 57.7 +0.7
P54A	Burton	68.49 352	P	P	04 07 57.5 +0.5
P53A	Whipple	68.50 351	eP	P	04 07 57.7 +0.6
P53A	Whipple	68.50 351	P	P	04 07 57.2 +0.1
GD2L	Guadalupe Moun	68.55 329	eP	P	04 07 56.6 -1.1
MNTX	Cornudas Mount	68.59 328	eP	P	04 07 58.3 +0.5
MNTX	Cornudas Mount	68.59 328	P	P	04 07 58.3 +0.5
Q49A	Aurora	68.60 348	P	P	04 07 57.3 -0.3
R45A	Skylar, Fairri	68.61 345	P	P	04 07 57.5 -0.2
O60A	Telford	68.72 356	P	P	04 07 59.5 +1.2
PAGS	Pennsylvania G	68.72 355	eP	P	04 07 59.5 +1.1
P51A	Williamsport	68.75 349	eP	P	04 07 58.5 0.0
P51A	Williamsport	68.75 349	P	P	04 07 58.5 0.0
P52A	Corning	68.75 350	P	P	04 07 58.4 -0.2
O59A	Robesonia	68.77 355	P	P	04 07 59.6 +0.9
S41A	Jillico Farms,	68.82 342	P	P	04 07 59.7 +0.6
Q47A	Bedord North L	68.83 347	P	P	04 07 59.5 +0.5
FVM	French Village	68.84 343	eP	P	04 07 59.8 +0.6
FVM	French Village	68.84 343	eP	pP	04 08 24.2 +0.3
FVM	French Village	68.84 343	eP	pP	04 07 59.8 +0.6
FVM	French Village	68.84 343	eP	pP	04 08 24.3 +0.3
O56A	Blue Knob Stat	68.93 353	eP	P	04 08 00.8 +1.0
O56A	Blue Knob Stat	68.93 353	P	P	04 08 00.7 +1.0
O55A	Ligonier	68.95 353	P	P	04 08 00.6 +0.7
P50A	Jamestown	68.99 349	P	P	04 07 60.0 -0.1
LUPA	Lehigh Unvers	69.00 356	eP	P	04 08 01.7 +1.6
BRNJ	Basking Ridge	69.03 357	eP	P	04 08 02.0 +1.7
O54A	Avella	69.05 352	P	P	04 08 00.3 -0.1
BLO	Bloomington	69.08 347	eP	P	04 08 00.4 -0.2
BLO	Bloomington	69.08 347	eP	pmax	04 08 00.4 -0.2
BLO	Bloomington	69.08 347	eP	pmax	04 08 00.4 -0.2
CCM	Cathedral Cave	69.12 342	eP	P	04 08 01.6 +0.7
CCM	Cathedral Cave	69.12 342	eP	pmax	04 08 01.6 +0.7
CCM	Cathedral Cave	69.12 342	P	P	04 08 01.6 +0.7
P48A	Mitroy	69.14 348	P	P	04 08 00.7 -0.3

Q45A	Warren Harvey,	69.16 345	P	P	04 08 00.9 -0.2
O52A	Adamsville	69.18 351	eP	P	04 08 01.6 +0.4
O52A	Adamsville	69.18 351	P	P	04 08 01.2 0.0
O53A	New Philadelph	69.23 351	P	P	04 08 01.6 +0.1
SSPA	Standing Stone	69.23 354	eP	P	04 08 02.5 +1.0
SSPA	Standing Stone	69.23 354	P	P	04 08 02.2 +0.7
PAL	Palades	69.32 357	P	P	04 08 02.6 +0.6
O51A	Pataskala	69.33 350	P	P	04 08 02.0 -0.1
P47A	Martinsville	69.33 347	P	P	04 08 02.7 +0.5
N59A	State Game Lan	69.34 356	eP	P	04 08 03.8 +1.6
N59A	State Game Lan	69.34 356	P	P	04 08 03.6 +1.3
MSTX	Muleshoe	69.38 332	eP	P	04 08 03.7 +1.0
MSTX	Muleshoe	69.38 332	P	P	04 08 03.7 +1.0
R41A	Rosebud	69.39 342	P	P	04 08 03.2 +0.6
ODNJ	Ogdensburg	69.43 357	eP	P	04 08 04.2 +1.5
ACSO	Alum Creek Sta	69.47 350	eP	P	04 08 03.0 0.0
ACSO	Alum Creek Sta	69.47 350	P	P	04 08 03.0 0.0
N55A	Marion Center	69.48 353	eP	P	04 08 04.0 +0.9
N55A	Marion Center	69.48 353	eP	pP	04 08 28.6 +0.8
O50A	Gallop	69.49 349	P	P	04 08 03.0 -0.2
YLE	Yale	69.59 358	eP	P	04 08 05.7 +2.0
P46A	Rosedale	69.65 346	eP	P	04 08 03.5 -0.6
O49A	Covington	69.65 349	eP	P	04 08 04.3 +0.2
O49A	Covington	69.65 349	P	P	04 08 03.8 -0.3
P45A	Graceland, Par	69.68 346	eP	P	04 08 04.1 -0.2
P45A	Graceland, Par	69.68 346	P	P	04 08 03.7 -0.6
AMTX	Amarillo	69.72 333	eP	P	04 08 06.2 +1.4
AMTX	Amarillo	69.72 333	P	P	04 08 05.5 +0.7
N53A	Liston	69.73 352	P	P	04 08 04.8 +0.2
Q42A	Golden Eagle	69.75 343	P	P	04 08 05.3 +0.5
N54A	Moraine State	69.77 352	eP	P	04 08 05.6 +0.7
N54A	Moraine State	69.77 352	P	P	04 08 05.5 +0.7
N52A	McGinn's Farm,	69.85 351	P	P	04 08 05.2 -0.1
O48A	Farmland	69.86 348	P	P	04 08 05.1 -0.3
KSPA	Keystone Cole	69.97 356	eP	P	04 08 07.5 +1.5
N50A	Nevada	70.02 350	P	P	04 08 06.3 -0.1
KSCAT	Kent School, K	70.02 358	eP	P	04 08 07.7 +1.4
O47A	Shedden	70.04 347	P	P	04 08 06.0 -0.4
N51A	Ashland	70.05 350	P	P	04 08 06.2 -0.3
M55A	Ridgway	70.14 353	P	P	04 08 07.8 +0.7
BRVW	Bryant College	70.17 359	eP	P	04 08 08.8 +1.6
BRVW	Skaggs, Pawnee	70.19 344	eP	pP	04 08 33.3 +1.1
P43A	Douglas	70.21 325	eP	P	04 08 07.0 +0.2
M54A	Oil Creek Stat	70.28 353	eP	P	04 08 08.7 +0.7
M54A	Oil Creek Stat	70.28 353	P	P	04 08 08.3 +0.3
M53A	Wl Miller and	70.33 352	P	P	04 08 08.4 +0.1
N49A	Columbus Grove	70.34 349	eP	P	04 08 08.5 +0.2
N49A	Columbus Grove	70.34 349	P	P	04 08 08.3 0.0
SFIN	Lafayette	70.36 346	eP	P	04 08 07.8 -0.7
SFIN	Lafayette	70.36 346	P	P	04 08 07.7 -0.7
O45A	Potomac	70.36 346	P	P	04 08 08.0 -0.4
SYO	Syowa Base	70.37 159	eP	P	04 08 04.0 -4.2
SYO	Syowa Base	70.37 159	eX	P	04 08 20.8 +1.3
121A	Cookes Peak, D	70.42 327	P	P	04 08 11.3 +2.1
N48A	Decatur	70.42 348	P	P	04 08 08.6 -0.3
M51A	Elyria	70.43 351	P	P	04 08 08.9 0.0
ALLY	Allegny Cole	70.47 352	eP	P	04 08 09.8 +0.7
M52A	Chesterland	70.52 351	eP	P	04 08 09.7 +0.3
M52A	Chesterland	70.52 351	P	P	04 08 09.6 +0.2
QUA2	Belchertown	70.54 358	eP	P	04 08 10.8 +1.4
N47A	Urbana	70.57 348	P	P	04 08 09.2 -0.5
M50A	Fremont	70.62 350	eP	P	04 08 10.4 +0.4
M50A	Fremont	70.62 350	P	P	04 08 10.0 -0.1
BINY	Binghamton	70.63 356	eP	P	04 08 11.2 +1.2
BINY	Binghamton	70.63 356	P	P	04 08 10.9 +0.8
WES	Weston	70.63 359	eP	P	04 08 09.8 -0.2
WES	Weston	70.63 359	eP	pmax	04 08 09.8 -0.2
WES	Weston	70.63 359	eP	pmax	04 08 12.4 +1.6
HRV	Adam Dzewioski	70.75 359	eP	P	04 08 12.4 +1.6
HRV	Adam Dzewioski	70.75 359	eP	pmax	04 08 12.4 +1.6
HRV	Adam Dzewioski	70.75 359	P	P	04 08 11.9 +1.1
O43A	Sugar Creek Fa	70.75 345	P	P	04 08 10.6 -0.2
N46A	Monticello	70.78 347	P	P	04 08 10.6 -0.3
L53A	Girard	70.78 352	P	P	04 08 11.1 +0.1
L55A	Hinsdale	70.81 354	P	P	04 08 12.1 +0.8
M49A	Liberty Center	70.84 349	P	P	04 08 11.4 0.0
O42A	Bath	70.85 344	P	P	04 08 11.3 -0.1
N45A	Kentland	70.89 346	P	P	04 08 11.1 -0.6
PLIO	Pelee Island,	70.90 350	P	P	04 08 11.6 -0.1
ERPA	Erie	70.92 352	eP	P	04 08 12.5 +0.7
ERPA	Erie	70.92 352	P	P	04 08 11.9 +0.1
L54A	Sinclairville	70.96 353	P	P	04 08 12.7 +0.7
O41A	Passleys Farm,	70.97 343	P	P	04 08 12.1 0.0
N44A	Piper City	70.98 346	P	P	04 08 11.9 -0.3

M48A	Edgerton	70.98 349	eP	P	04 08 12.2 +0.
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30d 3h

Table with columns for ID, Name, Value, and other metrics. Includes entries like L41A Preston, I55A Frankford, T25A Trinidad, etc.

2013 APR

Table with columns for ID, Name, Value, and other metrics. Includes entries like G47A Hillman, F52A Sundridge, I40A Norwalk, etc.

1804

Table with columns for ID, Name, Value, and other metrics. Includes entries like PV21 Cone Mtn., G39A Holcombe, PV09 Granite Moun, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AGMN Agassiz Nation, OMMB Old Mammoth Mi, NV01 Mina Array St, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WRA Warramunga Arr, BILL Billa, BILBino, etc.

300 04:38:17.0, 2.2, 1.66N, 126.74E, h0km, mb3.3/2, Error ellipse: s-maj=166.5km s-min=25.1km az=66.0, Northern Molucca Sea

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BVAR Borovoye Array, ASAR Alice Springs, ILAR Gileston Array, etc.

GUC 30 04:56:41.5, 1.1, 2.0, 82S, 69.22W, h111km, gkm, ML3.3, IDC 30 04:56:59.5, 7.9, 18.78S, 70.05W, h228km, 59km, mb3.0/1, mb1 2.7/2, mb1mx2.6/1.9, mbmtsp3.2/2, Error ellipse: s-maj=166.5km s-min=80.6km az=155.0, ISC 30 04:56:41.3, 1.2, 2.0, 81S, 0.03, 69.17W, 0.10, h116km, 9km, n16, c1986/28, 3C-5D, Northern Chile

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Code Station Name, IPOC Station P, IPOC Station P, etc.

MAN 30 05:04:04.9, 12.95N, 124.68E, h1km, mb4.7, ML3.6, MS3.5, IDC 30 05:04:06.0, 1.1, 11.98N, 123.92E, h0km, mb3.6/7, mb1 3.8/7, mb1mx3.6/3.9, mbmtsp3.6/7, ML4.8/1, MS2.5/2, Ms1 2.5/2, ms1mx2.3/3.3, Error ellipse: s-maj=7.2km s-min=15.3km az=66.0, Northern Molucca Sea

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Code Station Name, CNP Catarman, CNP Virac, etc.

ISK 30 05:19:59.8, 37.31N, 37.12E, h9km, ML3.2/27, DDA 30 05:20:00.1, 37.31N, 37.11E, h6km, km, ML3.7, ISC 30 05:20:00.4, 0.9, 37.30N, 0.03, 37.11E, 0.02, h11km, 6km, n44, c0663/52, Turkey

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Code Station Name, GAZ Gaziantep, GAZ Gaziantep, etc.

30d 6h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ELBS, KOZT, KAMRA, etc.

IDC 30 05:24:55.0-7.0, 36.26Sx52.65E, h0km, mb3.9/9, mb1.4, 0.9, mb1mx3.8/44, mbtmp3.9/9, MS3.4/3, Ms1.3/4, ms1mx2.9/31, Error ellipse: s-maj=25.7km s-min=19.7km

ISC 30 05:24:57.1-0.7, 36.33S, 02-52.6E, 0.2, h10km, n18, e090/13, mb4.0/9, MS3.3/3, Southwest Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOSA, MATP, SUR, etc.

UCR 30 05:31:30.5-2.8, 8.30N-82.89W, h13km, 5km, MD4.2, 1C-3D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DVD, PTJ1, EDV, etc.

ISC 30 05:36:14.9, 37.31N-37.11E, h11km, ML2.0/7, DDA 30 05:36:15.5, 37.31N-37.10E, h3km, 1km, ML2.8

ISC 30 05:36:15.6-0.9, 37.29N, 0.04-37.10E, 0.03, h11km, 7km, n16, e052/21, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GAZ, HCB, AYKD, etc.

2013 APR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMRS, KAMA, GZT, etc.

ISK 30 05:40:09.5, 37.27N-37.06E, h12km, ML2.2/8, DDA 30 05:40:10.0, 37.31N-37.11E, h3km, 2km, ML3.0

ISC 30 05:40:09.9-0.9, 37.26N, 0.03-37.07E, 0.02, h14km, 6km, n20, e071/28, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GAZ, KAMA, GZT, etc.

IDC 30 05:42:13.6-5.2, 19.67N-123.99E, h0km, mb3.3/2, mb1.3/4, 2, mb1mx3.2/34, mbtmp3.3/2, Error ellipse: s-maj=372.8km s-min=26.2km az=62.0, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, MKAR, ASAR, etc.

SJA 30 06:12:47.9-0.9, 32.09S-71.39W, h5km, 5km, ML3.4, MW3.4

GUC 30 06:12:48.6-0.5, 32.09S-71.29W, h16km, 11km, ML3.6

ISC 30 06:12:46.9-2.1, 32.05S-0.03-71.43W, 0.08, h8km, 13km, n17, e090/28, TC, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ROCH, ROC1, PEL, etc.

ISC 30 06:23:04.9, 37.30N-37.09E, h10km, ML2.4/8, DDA 30 06:23:05.0, 37.30N-37.12E, h6km, 2km, ML3.4

ISC 30 06:23:05.2-0.9, 37.28N, 0.03-37.08E, 0.02, h14km, 7km, n28, e058/37, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GAZ, HCB, AYKD, etc.

1806

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GZT, KUZU, ANDN, etc.

NNC 30 06:23:38.3-2.2, 53.96N-86.44E, h0km, mb3.5, mpv3.2, 6C-1D, Error ellipse: s-maj=22.2km s-min=16.4km az=156.0, Suspected Mining explosion., Southwest Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DARE, URFA, SANL, etc.

KURK Kurchatov 5.79 239 Op Pn 06 25 05.5 +0.1

KURB Kurchatov Arra 5.89 239 Op Pn 06 25 06.3 -0.4

MK31 Makanchi Array 7.64 202 Op Pn 06 25 31.7 +0.8

MK31 0.1mm, 0.6s, baz=25, slow=17, SNR=7.4

MK31 2.1mm, 0.8s, baz=26, slow=30, SNR=5.3

IGIL 30 06:25:15.7, 37.53N-24.89W, h5km, MS5.4

BUI 30 06:25:20.6, 38.11N-25.53W, h6km, mb5.6/53, mb5.9/49, MS5.9/26, MS7.6/55

IDC 30 06:25:21.2-0.3, 37.61N-24.98W, h0km, mb5.1/48, mb1.5/249, mb1mx5.2/57, mbtmp5.1/49, ML4.5/1, MS5.2/46, Ms1.5/246, ms1mx5.1/51, Error ellipse: s-maj=10.7km s-min=8.4km az=150.0

NEIC 30 06:25:23.0-1.0, 37.59N-24.91W, h10km, mb5.9/298, MS5.3/298, MW5.9, Error ellipse: s-maj=2.8km s-min=1.3km az=177.0

NEIC Feil [I] at Ponta Delgada. Also felt at Angra do Heroismo, Ribeira Grande and Vila Franca do Campo.

NEIC 30 06:25:23.0-0.0, 37.66N-25.01W, h15km, Moment Tensor Solution, s=50 Moment tensor: Scale 1017Nm; Mw=4.78; Ms=2.91; Ms=1.87; Ms=3.86; Mw=4.38; Ms=2.69; Best double couple: M=7.70000e-10; NP1=10.00000e-10; 861.00000e-10; -131.00000e-10; NP2=341.00000e-10; 849.00000e-10; -39.00000e-10. Principal axes: T 6.9300, Plg6.0000e-10, Azm218.0000e-10; N 1.3000, Plg35.0000e-10, Azm123.0000e-10; P -8.2300, Plg53.0000e-10, Azm317.0000e-10

MOS 30 06:25:23.0-0.9, 37.65N-24.97W, h23km, 23km, 9/123, MS5.3/85 Error ellipse: s-maj=5.7km s-min=2.9km az=42.6

SVSA 30 06:25:24.1-1.6, 37.53N-24.92W, h2km, 17km, MD4.1, MS5.8, Error ellipse: s-maj=20.7km s-min=5.0km az=77.0

GCMT 30 06:25:27.2-0.1, 37.60N, 0.01-24.62W, 0.01, h14km, MW5.8/124, Moment Tensor Solution, s107.c224; s124.c395; Duration: 2s0 Moment tensor: Scale 1017 Nm; Mw=4.91e+06; Ms=3.81e+05; Ms=1.11e+05; Ms=0.07e+11; Mw=5.29e+04; Ms=0.86e+11; Best double couple: M=6.55400e-10; NP1=325.00000e-10; 850.00000e-10; -66.00000e-10; NP2=110.00000e-10; 846.00000e-10; -116.00000e-10. Principal axes: T 7.9370, Plg2.0000e-10, Azm38.0000e-10; N -2.7570, Plg18.0000e-10, Azm129.0000e-10; P -5.1700, Plg71.0000e-10, Azm302.0000e-10; nsta2 refers to surface/mantle body waves, cutoff=50s. Triangular moment-rate function

ISC 30 06:25:24.3-0.3, 37.59N, 0.03-24.96W, 0.02, h20km, 1km, h20km, pp-P, n2331, e1s36/2272, mb5.8/615, MS5.3/696, 67C-62D, Azores Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BART, PCALD, CMLA, etc.

ISC 30 06:25:24.9, 37.59N, 0.03-24.96W, 0.02, h20km, 1km, h20km, pp-P, n2331, e1s36/2272, mb5.8/615, MS5.3/696, 67C-62D, Azores Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ROSA, PICO, PCAN, etc.





30d 6h

Table with columns for station name, frequency, power, and signal quality. Includes stations like HAL, MYKA, BERG, ASK, TRI, etc.

2013 APR

Table with columns for station name, frequency, power, and signal quality. Includes stations like KONO, KONO, KONO, etc.

1808

Table with columns for station name, frequency, power, and signal quality. Includes stations like SCO, SCO, SCO, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like ILULI, KEK, BEL, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like AMT, LIT, LAKA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like THAS, BIZ, MLR, etc.

30d 6h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like EDRB, GELI, EZN, MVL, MVV, TRO, etc.

2013 APR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like DRWO, HUMF, EDC, J54A, etc.

1810

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like AREO, AREO, KULA, KULA, etc.



30d 6h

Table with columns: Station, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like U52A Thorn Hill, P49A Miami Univ, L46A Rue Claire, etc.

2013 APR

Table with columns: Station, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like 356A Blackshear, Q48A North Vernon, V51A Loudon, etc.

1812

Table with columns: Station, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like 254A Abbeville, RSDY Resadyne-TOKAT, S48A Wiedeman Farm, etc.

1813

SOC	ePPP	PPP	06 36 44.9		
SOC	eS	S	06 41 07.6 +3.6		
SOC	eSSS	SSS	06 45 45.5		
SOC	pmax	pmax			
comp=Z,74nm,1.2s	MLR	MLR			
K42A	comp=Z,1µm,14.0s	48.40 297 P	P	06 34 05.7 +0.8	
I41A	comp=Z,196nm,1.4s	48.41 299 eP	P	06 34 05.8 +0.8	
I41A	comp=Z,5µm,21.0s		LR	LR	
I41A	comp=Z,74,SNR=14	48.41 299 P	P	06 34 05.7 +0.8	
152A	Waverly Hall	48.41 283 eP	P	06 34 06.5 +1.3	
152A	comp=Z,127nm,1.2s		LR	LR	
152A	comp=Z,2µm,20.0s		LR	LR	
152A	Waverly Hall	48.41 283 P	P	06 34 06.6 +1.5	
X50B	Fort Payne	48.44 286 P	P	06 34 06.3 +1.0	
R46A	Gibson Southern	48.50 291 P	P	06 34 06.3 +0.6	
Z51A	Franklin	48.51 284 P	P	06 34 07.2 +1.4	
EYMN	Ely	48.52 305 eP	P	06 34 05.8 0.0	
EYMN	comp=Z,264nm,1.1s		LR	LR	
EYMN	comp=Z,3µm,20.0s		LR	LR	
EYMN	Ely	48.52 305 P	P	06 34 05.9 +0.1	
M43A	Waltham Townsh	48.52 296 P	P	06 34 06.5 +0.6	
058A	Arcadia	48.53 275 P	P	06 34 07.3 +1.3	
353A	Camilla	48.56 281 P	P	06 34 07.9 +1.7	
O44A	Mansfield	48.57 294 P	P	06 34 06.9 +0.7	
059Z	Ave Maria	48.57 274 P	P	06 34 07.9 +1.5	
655A	Horseshoe Beac	48.58 279 P	P	06 34 08.0 +1.6	
957A	Wimaxna	48.59 276 P	P	06 34 07.7 +1.2	
H40A	Chili	48.62 300 P	P	06 34 07.5 +1.0	
T47A	Sharon Grove	48.62 289 eP	P	06 34 07.5 +0.9	
T47A	comp=Z,3µm,20.0s		LR	LR	
T47A	Sharon Grove	48.62 289 P	P	06 34 07.6 +0.9	
F39A	Loretta	48.64 302 P	P	06 34 07.3 +0.6	
W49A	Belvidere	48.66 287 P	P	06 34 07.6 +0.6	
554A	Perry	48.67 279 P	P	06 34 08.8 +1.7	
252A	Lumpkin	48.70 282 P	P	06 34 08.7 +1.4	
USIN	University of	48.70 291 eP	P	06 34 07.7 +0.4	
USIN	comp=Z,3µm,20.0s		LR	LR	
J41A	Loganville	48.70 298 P	P	06 34 08.0 +0.8	
PRGR	Pernmore	48.72 37 eP	P	06 34 06.1 -0.9	
PRGR	comp=Z,243nm,1.4s		pmax	pmax	
Y50A	Piedmont	48.72 285 P	P	06 34 08.9 +1.5	
MMAI	Mount Meron Ar	48.74 76 P	P	06 34 08.3 +0.6	
Q45A	Warren Harvey,	48.75 292 P	P	06 34 08.3 +0.7	
OLIL	Olney	48.76 292 eP	P	06 34 08.4 +0.7	
OLIL	comp=Z,386nm,1.3s		LR	LR	
ILIC	ilic-Erzincan	48.81 67 P	P	06 34 08.8 +0.6	
N43A	Stutzman Famil	48.83 295 P	P	06 34 09.2 +0.9	
S46A	Don Dixon Farm	48.83 290 P	P	06 34 09.0 +0.8	
453A	Whigham	48.84 281 eP	P	06 34 10.8 +2.3	
453A	comp=Z,458nm,1.8s		LR	LR	
V48A	Smith Brothers	48.85 288 eP	P	06 34 09.3 +0.8	
V48A	comp=Z,194nm,1.4s		LR	LR	
V48A	Smith Brothers	48.85 288 P	P	06 34 09.3 +0.8	
RES	Resolute Bay	48.85 341 P	P	06 34 08.5 +0.6	
RES	comp=Z,33nm,0.9s,baz=97,slow=6.4,SNR=87		P	06 34 08.3 +0.4	
RES	RES		P	06 34 08.5 +0.6	
RES	RES		LR	LR	
RES	RES		P	06 34 08.3 +0.4	
RES	comp=Z,72nm,1.2s		pmax	pmax	
RES	comp=Z,72nm,1.2s		MLR	MLR	
L42A	Oliver, Polo	48.86 297 eP	P	06 34 09.0 +0.5	
L42A	comp=Z,172nm,1.2s		LR	LR	
L42A	Oliver, Polo	48.86 297 P	P	06 34 08.9 +0.5	
E38A	The Farm, Brul	48.89 303 eP	P	06 34 09.0 +0.3	
E38A	comp=Z,290nm,1.1s		LR	LR	
E38A	The Farm, Brul	48.89 303 P	P	06 34 08.9 +0.3	
X49A	Woodville	48.93 286 P	P	06 34 10.2 +1.1	
151A	Opekla	48.94 283 P	P	06 34 10.5 +1.3	
U47A	Clarksville	48.95 289 P	P	06 34 10.3 +1.1	
G39A	Holcombe	48.97 301 P	P	06 34 09.9 +0.6	
I40A	Norwalk	48.98 299 P	P	06 34 10.2 +0.8	
JFWS	Jewell Farm	49.00 298 eP	P	06 34 09.9 +0.4	
JFWS	comp=Z,151nm,1.3s		LR	LR	
JFWS	Jewell Farm	49.00 298 eP	P	06 34 09.9 +0.4	
JFWS	comp=Z,4µm,22.0s		pmax	pmax	
JFWS	comp=Z,151nm,1.3s		MLR	MLR	
JFWS	comp=Z,4µm,22.0s		LR	LR	
JFWS	Jewell Farm	49.00 298 P	P	06 34 10.1 +0.6	
HDIL	Hopedale	49.04 295 eP	P	06 34 09.8 0.0	
HDIL	comp=Z,420nm,1.7s		LR	LR	
HDIL	Hopedale	49.04 295 P	P	06 34 10.7 +0.8	
R45A	Skyler, Fairri	49.04 291 P	P	06 34 10.8 +0.9	
352A	Blakely	49.06 282 eP	P	06 34 11.7 +1.6	
352A	comp=Z,3µm,20.0s		LR	LR	
352A	Blakely	49.06 282 P	P	06 34 11.7 +1.6	
M42A	Sheffield	49.09 296 P	P	06 34 10.8 +0.6	
Z50A	Ashtand	49.11 284 eP	P	06 34 11.7 +1.2	
Z50A	comp=Z,301nm,1.7s		LR	LR	
Z50A	Ashtand	49.11 284 P	P	06 34 11.7 +1.2	
K41A	Shullsburg	49.13 297 P	P	06 34 11.1 +0.6	
SHMJ	Saham	49.13 76 P	P	06 34 15.0 +4.3	
O43A	Sugar Creek Fa	49.14 294 P	P	06 34 11.3 +0.8	

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W48A	Pulaski	49.16 287 P	P	06 34 11.7 +0.9	
Z51A	Midway	49.18 283 P	P	06 34 12.0 +1.0	
KTUT	Trabzon	49.18 65 P	P	06 34 11.6 +0.7	
T46A	Princeton	49.19 290 P	P	06 34 12.2 +1.2	
J40A	Soldiers Grove	49.20 299 P	P	06 34 11.6 +0.6	
553A	Crawfordville	49.21 280 P	P	06 34 12.8 +1.6	
H39A	Augusta	49.22 300 P	P	06 34 12.1 +0.9	
Y49A	Blount Mountain	49.25 285 eP	P	06 34 12.7 +1.1	
Y49A	comp=Z,104nm,1.2s		LR	LR	
Y49A	Blount Mountain	49.25 285 P	P	06 34 12.7 +1.1	
URIC	Uribia, Colomb	49.25 251 eP	P	06 34 11.7 0.0	
URIC	Uribia, Colomb	49.25 251 eP	P	06 34 11.7 0.0	
F38A	Pierce - Schro	49.27 302 P	P	06 34 12.3 +0.7	
V47A	Nunnely	49.35 288 P	P	06 34 13.0 +0.7	
L41A	Preston	49.43 297 P	P	06 34 13.4 +0.6	
150A	Eclectic	49.45 284 P	P	06 34 14.5 +1.5	
G38A	Ridgeland	49.47 301 P	P	06 34 13.4 +0.3	
WVT	Waverly	49.47 289 eP	P	06 34 13.6 +0.4	
WVT	comp=Z,3µm,19.0s		LR	LR	
WVT	Waverly	49.47 289 eP	P	06 34 13.6 +0.4	
WVT	comp=Z,265nm,1.4s		pmax	pmax	
WVT	comp=Z,3µm,19.0s		MLR	MLR	
WVT	Waverly	49.47 289 P	P	06 34 13.8 +0.6	
S45A	Carrier Mills	49.48 291 P	P	06 34 13.9 +0.7	
P43A	Skaggs Pawnee	49.50 294 P	P	06 34 13.9 +0.6	
X48A	Hartselle	49.51 286 eP	P	06 34 14.4 +0.9	
X48A	comp=Z,224nm,1.5s		LR	LR	
X48A	Hartselle	49.51 286 P	P	06 34 14.3 +0.9	
452A	Marianna	49.52 281 P	P	06 34 15.4 +1.8	
LISJ	El Lisan	49.52 78 P	P	06 34 19.0 +5.4	
GHAJ	Ghor Haditha	49.56 78 P	P	06 34 17.3 +3.4	
Z49A	Columbiana	49.60 284 P	P	06 34 15.7 +1.5	
ERZN	Erzincan	49.60 67 P	P	06 34 16.7 +2.4	
I39A	Houston	49.61 299 eP	P	06 34 14.9 +0.7	
I39A	comp=Z,230nm,1.1s		LR	LR	
I39A	Houston	49.61 299 P	P	06 34 14.8 +0.6	
W47A	Westpoint	49.62 287 P	P	06 34 15.0 +0.6	
WALJ	Wala	49.65 78 P	P	06 34 25.1 +1.1	
U46A	Springville	49.65 289 P	P	06 34 15.4 +0.8	
351A	Pinkard	49.67 282 P	P	06 34 16.3 +1.6	
M41A	Milan	49.68 296 P	P	06 34 15.4 +0.7	
URFA	Urfa	49.68 69 P	P	06 34 14.1 -0.8	
K40A	Colesburg	49.69 298 P	P	06 34 15.5 +0.8	
HSUJ	Al Zarqa	49.72 77 P	P	06 34 24.8 +1.0	
O42A	Bath	49.72 294 P	P	06 34 15.9 +0.8	
T45A	Paducah	49.76 290 P	P	06 34 30.0 +1.5	
T45A	comp=Z,3µm,22.0s		LR	LR	
T45A	Paducah	49.76 290 P	P	06 34 15.7 +0.4	
EIL	Eilat	49.78 80 P	P	06 34 13.7 -1.9	
EIL	Eilat	49.78 80 P	P	06 34 14.3 -1.3	
Y48A	Jasper	49.81 286 P	P	06 34 16.7 +0.9	
V46A	Holladay	49.81 288 P	P	06 34 16.4 +0.6	
AQBJ	Aqaba	49.83 80 P	P	06 34 25.9 +1.0	
F37A	Hinrichs Farm,	49.84 302 P	P	06 34 16.7 +0.8	
JDRJ	Daraweish	49.88 79 P	P	06 34 26.7 +1.0	
250A	Grady	49.89 283 eP	P	06 34 17.9 +1.4	
250A	comp=Z,3µm,22.0s		LR	LR	
250A	Grady	49.89 283 P	P	06 34 18.1 +1.6	
J39A	Decorah	49.89 299 P	P	06 34 16.9 +0.5	
H38A	Maiden Rock	49.90 301 P	P	06 34 16.8 +0.5	
552A	Lynn Haven	49.91 280 P	P	06 34 17.8 +1.3	
SIUC	Southern Illin	49.94 291 eP	P	06 34 17.4 +0.7	
SIUC	comp=Z,371nm,1.4s		LR	LR	
L40A	Anamosa	49.94 297 eP	P	06 34 17.3 +0.6	
L40A	comp=Z,287nm,1.2s		LR	LR	
L40A	Anamosa	49.94 297 P	P	06 34 17.4 +0.7	
S44A	Carbondale	49.97 291 P	P	06 34 17.5 +0.5	
PTGA	Pitinga	49.99 228 LR	LR	06 51 02.3	
PTGA	comp=Z,2µm,21.7s,baz=21,slow=31		P	06 34 17.4 +0.1	
PTGA	Pitinga	49.99 228 eP	P	06 34 17.4 +0.1	
PTGA	Pitinga	49.99 228 eP	P	06 34 17.2 -0.2	
LRAL	Lakeview Retre	50.02 284 eP	P	06 34 18.3 +0.8	
LRAL	comp=Z,175nm,1.5s		LR	LR	
LRAL	Lakeview Retre	50.02 284 P	P	06 34 18.5 +1.0	
149A	Jones	50.04 284 P	P	06 34 18.8 +1.2	
451A	Vernon	50.06 281 P	P	06 34 30.0 +1.2	
451A	comp=Z,3µm,21.0s		LR	LR	
451A	Vernon	50.06 281 P	P	06 34 18.7 +1.0	
SDV	Santo Domingo	50.08 247 eP	P	06 34 18.9 +0.6	
SDV	comp=Z,220nm,1.0s		LR	LR	
SDV	Santo Domingo	50.08 247 eP	P	06 34 18.3 0.0	
PLAL	Pickwick Lake	50.09 287 eP	P	06 34 18.9 +1.0	
PLAL	comp=Z,272nm,1.3s		LR	LR	
SPMN	Marine on St.	50.10 301 eP	P	06 34 18.4 +0.5	
SPMN	comp=Z,264nm,1.1s		LR	LR	
SPMN	Marine on St.	50.10 301 P	P	06 34 18.3 +0.5	
X47A	Russeville	50.10 287 P			





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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SNOW, CPXK, REDW, TPWA, DLMT, ESAR, CLNB, MSO, MISO, AHID, RCLB, MCMT, GEYT, GYA0B, LNIG, GDL2, PV07, PV07, PV01, ANMO, ANMO, ANMO, ANMO, TASM, TASM, PV12, PV12, PV21, PV21, PV02, FURI, FURI, PV04, PV04, MBAR, MBAR, PV11, PV03, PV03, PV16, PV16, PV23, PV23, PV13, PV13, PV13, BRVK, BRVK, BRVK, BRVK, PV20, PV14, PV14, PV17, PV19, PV19, PV10, PV09, BVAR, EPYK, EPYK, MICO, MICO, MICO, HWUT, HWUT, PV05, PV05, LPM, BNM, LTX, LTX, NEW, NEW, NEW, TX31, TXAR.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TXAR, SPB, SPB, SPB, SPB, LAZ, Y22D, Y22D, MNTX, MNTX, MNTX, AODB, FRTB, DAMY, DAMY, HLID, HLID, HLID, PET01, PLID, PLID, PLID, C09A, C09A, TRCB, ATD, ATD, F10A, F10A, DUG, DUG, DUG, B08A, B08A, B08A, E09A, E09A, BMAR, DLBC, DLBC, LLLB, LLLB, W18A, W18A, W18A, D08A, D08A, BMO, BMO, X18A, X18A, E08A, E08A, TOLK, TOLK, TOLK, EGAK, EGAK, TUJ01, FYU, FYU, TLIG, BRZS, BRZS, BRZS, BRZS, WHY, ATAH, HAWA, HAWA, C06D, B06A, B06A, E07A, E07A, ELK, ELK, ELK, ELK, WUAZ, WUAZ, WUAZ, G08A, G08A, G08A, LTY, LTY, LTY, PTGB, U15A, U15A, U15A, HPIG, HPIG, HPIG, LPAZ.

30d 6h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LPAZ, LPAZ, F07A, F07A, B05A, PRP, PRP, X16A, X16A, 319A, 319A, MOIG, MOIG, COLD, COLD, J08A, J08A, D05A, D05A, BCAR, BCAR, AJN, AJN, AJN, JIS, JIS, JIS, LON, LON, LON, LON, LON, SHME, SHME, BESE, BESE, I07A, I07A, I07A, SCRK, SCRK, G06A, G06A, G06A, ASUD, ASUD, ASUD, WRAK, WRAK, WRAK, NAZ, NAZ, NAZ, TUC, TUC, TUC, TUC, F05D, F05D, FAQ, FAQ, DOT, DOT, WWOR, WWOR, WWOR, D03D, D03D, POKR, POKR, MSFE, MSFE, ILAR, ILAR, ILAR, ILAR, ILB, ILB, R11A, R11A, R11A, R11A, R11A, BMM, BMM, BMM, RIDG, RIDG, RIDG, RIDG, G05D, G05D, BBB, BBB, BBB, E04D, E04D, HATD, HATD, ASHO, ASHO, ASHO, ASHO, COLA, COLA, COLA, COLA, TCOL, TCOL, HDA, HDA, HDA, HDA, BRLS, BRLS, BRLS, MDM, MDM, MDM, ALNE, ALNE, CCB, CCB, NAI, NAI, NAI, NLWA, NLWA, NLWA, CHM, CHM, CHM.



FRU1	SNR=11 Bishkek	71.70	50	eP	P	06 36 47.3 +2.4
FRU1	comp=Z,3um,22.0s			LR	LR	
WDC	Whiskeytown Da	71.71	307	eP	P	06 36 44.0 -0.9
WDC	comp=Z,24nm,1.4s			LR	LR	
WDC	comp=Z,4um,19.0s			LR	LR	
WDC	Whiskeytown Da	71.71	307	eP	P	06 36 44.0 -0.9
WDC	comp=Z,24nm,1.4s			pmax	pmax	
WDC	comp=Z,4um,19.0s			MLR	MLR	
AAK	Ala-Archa	71.72	50	P	P	06 36 46.1 +0.9
AAK	comp=Z,9.7nm,0.9s,baz=253,slow=1.9,SNR=28					
AAK	comp=Z,0.7nm,0.5s,baz=163,slow=4.1,SNR=6.3					07 04 29.2
AAK	Ala-Archa	71.72	50	P	P	06 36 45.9 +0.8
AAK	comp=Z,1um,18.9s,baz=306,slow=3.7					07 09 55.2
AAK	Ala-Archa	71.72	50	iP	P	06 36 46.0 +0.9
AAK	Ala-Archa	71.72	50	iP	P	06 36 45.7 +0.6
AAK	Ala-Archa	71.72	50	iP	P	06 36 46.3 +1.1
AAK	Ala-Archa	71.72	50	P	P	06 36 46.3 +1.1
CMB	Columbia Coile	71.74	304	PFAKE	LR	06 37 00.0 +1.5
CMB	comp=Z,3um,19.0s			LR	LR	
ISA	Isabella, Lake	71.77	301	eP	P	06 36 46.8 +1.4
ISA	comp=Z,49nm,1.2s			LR	LR	
ISA	Isabella, Lake	71.77	301	eP	P	06 36 46.8 +1.4
ISA	comp=Z,6um,21.0s			LR	LR	
ISA	Isabella, Lake	71.77	301	P	P	06 36 46.6 +1.2
ISA	comp=Z,6um,21.0s			MLR	MLR	
ISA	Isabella, Lake	71.77	301	P	P	06 36 47.1 +1.6
ISA	comp=Z,6um,21.0s			MLR	MLR	
IKP	In-Ko-Pah, Jac	71.78	297	P	P	06 36 47.1 +1.6
IKP	comp=Z,1um,15.0s					
PB01	IPOC Station P	71.81	224	eP	P	06 36 44.7 -1.0
PB01	comp=Z,2um,1.3s					
MONP2	Monument Peak	71.87	298	P	P	06 36 47.7 +1.5
MONP2	comp=Z,3um,19.0s					
EDW2	Edwards Air Fo	71.87	300	P	P	06 36 47.1 +1.1
EDW2	comp=Z,56,SNR=11					
SRIG	Santa Rosalia	71.89	291	eP	P	06 36 47.7 +1.5
SRIG	comp=Z,131nm,1.4s			LR	LR	
SRIG	comp=Z,2um,18.0s			LR	LR	
RC01	Rabbit Creek A	71.90	335	eP	P	06 36 47.0 +1.4
RC01	comp=Z,279nm,1.7s			LR	LR	
RC01	comp=Z,1um,18.0s			LR	LR	
UCH	Uchtor	71.96	50	P	P	06 36 48.1 +1.2
UCH	SNR=51					
KBK	Karagaybulak	71.98	50	P	P	06 36 47.8 +1.0
KBK	SNR=12					
BFSC	Mount Baldy Ra	71.99	300	P	P	06 36 47.5 +0.7
BFSC	comp=Z,56,SNR=23					
VOG	Valley Oaks Go	72.02	302	P	P	06 36 46.0 -0.8
VOG	comp=Z,56					
MURC	Murrieta	72.02	299	P	P	06 36 47.9 +1.0
MURC	comp=Z,56,SNR=19					
MHTO	MHTO	72.08	77	P	P	06 36 48.0 +0.6
MHTO	SNR=12					
VES	Vesttal, Richgr	72.08	302	P	P	06 36 46.9 -0.3
VES	comp=Z,56					
O02D	Mt. Diablo Mer	72.10	307	P	P	06 36 46.1 -1.2
O02D	comp=Z,56					
KUU	Kurty	72.11	48	eP	P	06 36 47.1 -0.2
KUU	comp=Z,229nm,1.5s			eS	pmax	06 46 09.1 +0.8
KUU	comp=Z,229nm,1.5s			pmax	pmax	
KUU	comp=E,129nm,3.9s			MLR	MLR	
KUU	Kurty	72.11	48	eP	P	06 36 47.1 -0.2
KUU	comp=Z,1um,14.0s					
KUU	comp=Z,229nm,1.5s			eS	S	06 46 09.2 +0.9
KUU	comp=Z,129nm,3.9s			eLR	LR	07 09 52.7
BAR	Barrett	72.16	298	eP	P	06 36 47.4 -0.3
BAR	comp=Z,1um,14.2s					
BAR	comp=Z,69nm,1.2s			LR	LR	
SLBS	Sierra La Lagu	72.16	286	eP	P	06 36 49.5 +1.6
SLBS	comp=Z,129nm,1.2s					
LPIG	La Paz	72.21	287	LR	LR	07 08 17.5
LPIG	comp=Z,1um,18.8s,baz=52,slow=36					
TKM2	Tokmak 2	72.23	49	P	P	06 36 49.0 +0.7
TKM2	SNR=29					
MWC	Mount Wilson	72.27	300	eP	P	06 36 49.2 +0.6
MWC	comp=Z,146nm,1.8s					
MWC	comp=Z,3um,18.0s			LR	LR	
MWC	Mount Wilson	72.27	300	eP	P	06 36 49.2 +0.6
MWC	comp=Z,146nm,1.8s			eP	pmax	
MWC	comp=Z,3um,18.0s			MLR	MLR	
KHMM	Horse Mountain	72.30	308	eP	P	06 36 49.8 +1.2
KHMM	comp=Z,141nm,1.2s			LR	LR	
KHMM	comp=Z,7um,18.0s			LR	LR	
ARVC	Arvin	72.30	301	P	P	06 36 49.6 +1.1
ARVC	comp=Z,56					
109C	Camp Elliot, M	72.35	298	P	P	06 36 50.1 +1.3
109C	comp=Z,56,SNR=9.5					
CPE	Camp Elliot	72.35	298	eP	P	06 36 50.1 +1.3
CPE	comp=Z,91nm,1.3s			LR	LR	
CPE	comp=Z,2um,19.0s			LR	LR	
PASC	Pasadena Art C	72.39	300	eP	P	06 36 50.1 +1.0
PASC	comp=Z,128nm,1.7s			LR	LR	
PASC	comp=Z,3um,18.0s			LR	LR	
DECC	Green Verdugo	72.45	300	P	P	06 36 49.9 +0.4
DECC	comp=Z,56					06 37 00.0 +1.0
LSZ	Lusaka	72.50	126	PFAKE	LR	
LSZ	comp=Z,4um,20.0s			LR	LR	
LSZ	Lusaka	72.50	126	P	P	06 36 50.5 +0.6
LSZ	SNR=38					06 36 50.5 +0.6
LSZ	Kyzart	72.50	50	P	P	06 36 51.5 +1.4
LSZ	SNR=29					
JCC	Jacoby Creek,	72.51	308	PFAKE	LR	06 37 00.0 +1.0
JCC	comp=Z,6um,18.0s			LR	LR	
OSI	Osito Audit: C	72.52	300	eP	P	06 36 51.6 +1.7
OSI	comp=Z,80nm,1.1s			LR	LR	
OSI	comp=Z,4um,19.0s			LR	LR	
OSI	Osito Audit: C	72.52	300	P	P	06 36 51.0 +1.2
OSI	comp=Z,4um,19.0s					
CHKK	Chushkaly	72.52	48	eP	P	06 36 48.7 -1.0
CHKK	comp=Z,1um,1.3s			pmax	pmax	
CHKK	Chushkaly	72.52	48	eP	P	06 36 48.8 -1.0
CHKK	comp=Z,1um,1.3s					
JLN	Jalan Bani Buh	72.55	75	P	P	06 36 50.0 -0.2
JLN	SNR=14					
KMRM	Mari Ridge	72.65	308	PFAKE	LR	06 37 00.0 +9.4
KMRM	comp=Z,9um,18.0s			LR	LR	
TDK	Taldyqorghan	72.67	46	eP	P	06 36 49.3 -1.3
TDK	comp=Z,113nm,1.2s			pmax	pmax	
TDK	comp=Z,4um,19.0s			MLR	MLR	
TDK	Taldyqorghan	72.67	46	eP	P	06 36 49.3 -1.3
TDK	comp=Z,113nm,1.2s			eLR	LR	07 06 32.7
TDK	comp=Z,4um,19.0s					
BOOM	Boomskiye usch	72.68	50	eP	P	06 36 52.1 +1.2
BOOM	comp=Z,100nm,1.0s			LR	LR	
BOOM	comp=Z,2um,18.0s			LR	LR	
FMP	Fort Macarthur	72.72	299	P	P	06 36 51.9 +0.9

KBL	baz=56 Kabul	72.72	60	eP	P	06 36 51.7 +0.4
KBL	comp=Z,57nm,1.1s			LR	LR	
KBL	comp=Z,1um,20.0s			LR	LR	
KBL	Kabul	72.72	60	eP	P	06 36 51.7 +0.4
KBL	comp=Z,57nm,1.1s			pmax	pmax	
KBL	comp=Z,1um,20.0s			MLR	MLR	
LVC	Limon Verde	72.77	222	LR	LR	07 06 48.0
LVC	comp=Z,7.46nm,19.8s,baz=5.5,slow=34					
LVC	Limon Verde	72.77	222	eP	P	06 36 51.2 -0.5
LVC	Alma-Ata	72.85	48	eP	P	06 36 53.0 +1.2
LVC	comp=Z,300nm,1.8s			eS	SKIKP	06 46 22.7 -1.3
AAA	comp=E,500nm,11.3s			pmax	pmax	
AAA	Alma-Ata	72.85	48	eP	P	06 36 51.2 -0.5
AAA	comp=E,149nm,1.1s			smax	smax	
AAA	comp=E,870nm,14.1s			eLR	LR	07 11 35.6
GDXM	Geysers	72.87	306	eP	P	06 36 54.0 +2.0
GDXM	comp=E,98nm,1.5s			LR	LR	
GDXM	comp=Z,7um,19.0s			LR	LR	
KCPM	Canto Peak	72.88	307	eP	P	06 36 53.6 +1.6
KCPM	comp=Z,150nm,1.3s			LR	LR	
KCPM	comp=Z,3um,19.0s			LR	LR	
PAGB	Antelope Grade	72.93	302	PFAKE	LR	06 37 00.0 +7.7
PAGB	comp=Z,3um,21.0s			LR	LR	
HOPS	Hopland Field	72.94	306	eP	P	06 36 54.2 +1.9
HOPS	comp=Z,204nm,1.3s			LR	LR	
HOPS	comp=Z,7um,20.0s			LR	LR	
MDOK	Medeo	72.96	48	iP	P	06 36 53.1 +0.6
MDOK	comp=Z,1um,15.0s			eS	S	06 46 18.7 +0.4
MDOK	comp=Z,2um,1.3s			smax	smax	
MDOK	comp=E,507nm,5.9s			MLR	MLR	
MDOK	Medeo	72.96	48	iP	P	06 36 53.1 +0.6
MDOK	comp=Z,2um,1.3s			eS	S	06 46 18.7 +0.4
MDOK	comp=Z,507nm,5.9s			eLR	LR	07 10 10.6
TNSS	Tian-Shan	72.97	49	eP	P	06 36 53.2 +0.4
TNSS	comp=Z,1um,15.5s			pmax	pmax	
TNSS	Tian-Shan	72.97	49	eP	P	06 36 53.3 +0.4
TNSS	comp=Z,106nm,0.8s					
CIS	Catalina Islan	72.98	299	P	P	06 36 53.7 +1.1
CIS	comp=Z,100nm,0.8s					
CIS	comp=Z,56,SNR=8.4					
SMMC	Simmler	72.99	302	P	P	06 36 52.5 -0.2
SMMC	comp=Z,1um,15.0s					
ULHL	Ulajoh	73.00	50	P	P	06 36 53.7 +0.8
ULHL	SNR=15					
BLG	Karaguna Peak, P	73.03	300	P	P	06 36 53.3 +0.4
BLG	comp=Z,56,SNR=6.0					
PKM	Mcherson Peak	73.11	301	P	P	06 36 55.1 +1.5
PKM	comp=Z,56,SNR=18					
SAO	San Andreas Ge	73.15	304	PFAKE	LR	06 37 10.0 +1.6
SAO	comp=Z,3um,20.0s			LR	LR	
BRLK	Bradley Lake	73.26	335	PFAKE	LR	06 37 10.0 +1.6
BRLK	comp=Z,2um,18.0s			LR	LR	
SBC	Santa Barbara	73.29	301	P	P	06 36 55.5 +1.1
SBC	comp=Z,2um,18.0s					
MCCM	Marconi Confer	73.30	305	PFAKE	LR	06 37 10.0 +1.6
MCCM	comp=Z,4um,20.0s			LR	LR	
MCCM	San Clemente I	73.30	299	P	P	06 36 55.3 +0.8
MCCM	comp=Z,2um,1.3s					
SCZ2	Santa Cruz Isl	73.49	300	P	P	06 36 56.3 +0.7
SCZ2	comp=Z,56,SNR=5.4					
ANM	Nome	73.53	343	PFAKE	LR	06 37 10.0 +1.5
ANM	comp=Z,2um,20.0s			LR	LR	
MAKZ	Makanchi	73.59	43	eP	P	06 36 56.0 0.0
MAKZ	comp=Z,108nm,1.3s					
MAKZ	comp=Z,4um,19.0s			LR	LR	
MAKZ	Makanchi	73.59	43	eP	P	06 36 56.0 0.0
MAKZ	comp=Z,108nm,1.3s			pmax	pmax	
MAKZ	comp=Z,4um,19.0s			MLR	MLR	
HOM	Home	73.60	335	eP	P	06 36 57.4 +1.7
HOM	comp=Z,351nm,1.1s			LR	LR	
HOM	comp=Z,1um,21.0s			LR	LR	
KDJ	Kajisay	73.64	49	eP	P	06 36 57.5 +0.9
KDJ	comp=Z,90nm,0.9s					
KDJ	comp=Z,2um,21.0s			LR	LR	
MK31	Makanchi Array	73.77	43	eP	P	06 36 56.9 -0.2
MK31	comp=Z,83nm,0.9s					
MK31	Makanchi Array	73.77	43	eP	P	06 36 56.9 -0.2
MK31	comp=Z,83nm,0.9s			pmax	pmax	
MK32	Makanchi Array	73.77	43	eP	P	06 36 56.9 -0.1
MK32	comp=Z,83nm,0.9s					



Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like NWAO, WRA, WR6, etc.

IDC 30 06:29:14.3±2.8, 37.49N, 24.89W, h0km, mb4.1/8, mb1 4.3/8, mb1mx3.9/57, mbtmp4.1/8, Error ellipse: s-maj=74.4km s-min=27.9km az=172.0

SVSA 30 06:29:17.5±1.4, 37.53N, 24.94W, h2km, 9km, ML4.5, Error ellipse: s-maj=15.5km s-min=2.3km az=73.0

ISC 30 06:29:16.3±1.2, 37.54N, 24.94W, h0.06, h14km, 8km, n35, ±154/47, mb4.2/8, 1C, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BART, PCALD, CMLA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KURBB, MKAR, ROM, etc.

SVSA 30 06:30:35.8±0.7, 37.50N, 24.91W, h0km, 5km, MD3.0, Azores Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BART, PICO, etc.

VAO 30 06:46:04.0±0.5, 22.40S, 69.60W, h174km, 5km, mb4.2

SJA 30 06:46:09.1±0.9, 21.95S, 68.58W, h128km, 5km, MD2.8

IDC 30 06:46:09.0±0.8, 22.04S, 68.21W, h108km, 12km, mb3.9/3, mb1 3.7/7, mb1mx3.5/26, mbtmp4.0/7, Error ellipse: s-maj=34.7km s-min=18.9km az=110.0

NEIC 30 06:46:10.0±0.0, 21.92S, 68.69W, h128km, ML4.2(GUC), After GUC.

GUC 30 06:46:10.0±0.8, 21.92S, 68.69W, h128km, 5km, ML4.2

ISC 30 06:46:09.7±0.6, 21.97S, 68.54W, 0.05, h126km, 6km, n76, ±153/104, mb4.1/4, 11C, Chile-Bolivia border

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like PB09, IPOC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like LVC, LVC, LVC, etc.

IDC 30 06:47:14.4±2.2, 31.33N, 86.50E, h0km, mb3.3/4, mb1 3.7/5, mb1mx3.4/44, mbtmp3.5/5, ML4.6/1, Error ellipse: s-maj=71.1km s-min=25.9km az=76.0, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like CMAR, KURBB, etc.





U54A	Nelsons Funny	baz=142,SNR=9.5	25.66	321	P	P	07	02	13.3	+0.7
151A	Opelika	baz=128,SNR=15	25.67	310	P	P	07	02	13.3	+0.6
059A	Robeson	baz=148,SNR=9.7	25.70	335	P	P	07	02	13.9	+1.1
V53A	Saluda	baz=129,SNR=15	25.72	318	P	P	07	02	14.0	+0.8
S55A	Lewisburg	baz=136,SNR=9.7	25.78	325	P	P	07	02	14.5	+0.9
X52A	Dahlonega	baz=126,SNR=9.5	25.78	315	P	P	07	02	14.3	+0.6
450A	Crestview	baz=115	25.84	305	P	P	07	02	14.7	+0.5
T54A	Tazewell	baz=134,SNR=25	25.89	322	P	P	07	02	15.5	+0.8
350A	Dozier	baz=117,SNR=20	25.91	307	P	P	07	02	15.5	+0.7
R55A	Marlinton	baz=138,SNR=6.2	25.94	326	P	P	07	02	16.5	+1.3
Z51A	Franklin	baz=122,SNR=14	25.96	311	P	P	07	02	16.0	+0.6
U53A	Fall Branch	baz=131,SNR=14	26.02	320	P	P	07	02	16.3	+0.5
N59A	State Game Lan	baz=144	26.05	336	P	P	07	02	17.1	+1.0
W52A	Murphy	baz=127,SNR=12	26.09	316	P	P	07	02	16.9	+0.4
HRV	Adam Dzewiowski	comp=Z,23nm,1.0s	26.11	344	eP	P	07	02	17.1	+0.6
HRV	Adam Dzewiowski	comp=Z,23nm,1.0s	26.11	344	eP	Pmax	07	02	17.1	+0.6
HRV	Adam Dzewiowski	baz=159	26.11	344	P	P	07	02	17.5	+1.0
250A	Grady	baz=118,SNR=23	26.11	308	P	P	07	02	17.0	+0.3
Y51A	Rockmart	baz=123,SNR=14	26.19	313	P	P	07	02	17.9	+0.5
150A	Eclectic	baz=119,SNR=28	26.22	309	P	P	07	02	18.2	+0.5
449A	Pace	baz=114,SNR=5.2	26.31	305	P	P	07	02	19.2	+0.7
V52A	Sevierville	baz=128,SNR=6	26.33	318	P	P	07	02	19.1	+0.5
TK3	Tuckaleechee C	comp=Z,16nm,0.7s,ba	26.33	317	P	P	07	02	18.8	+0.1
R54A	Victor	baz=136,SNR=8.0	26.34	325	P	P	07	02	19.4	+0.7
BRAL	Brewton	baz=115	26.35	305	P	P	07	02	19.6	+0.8
T53A	Wise	baz=132,SNR=13	26.40	321	P	P	07	02	20.2	+0.9
X51A	Calhoun	baz=124	26.41	314	P	P	07	02	19.7	+0.3
Q55A	Buckhannon	baz=139,SNR=5.6	26.45	327	P	P	07	02	21.1	+1.3
Z50A	Ashland	baz=121,SNR=19	26.47	311	P	P	07	02	20.4	+0.5
U52A	Thorn Hill	baz=130,SNR=6.9	26.53	319	P	P	07	02	20.8	+0.4
349A	Repton	baz=116,SNR=8.2	26.54	306	P	P	07	02	21.3	+0.7
Y50A	Piedmont	baz=122,SNR=21	26.66	312	P	P	07	02	21.9	+0.3
W51A	Cleveland	baz=126	26.68	315	P	P	07	02	22.6	+0.7
SSPA	Standing Stone	comp=Z,57nm,1.1s	26.69	333	eP	P	07	02	22.3	+0.5
SSPA	Standing Stone	baz=145	26.69	333	P	P	07	02	23.0	+1.2
056A	Blue Knob Sta	baz=143,SNR=7.9	26.70	331	P	P	07	02	23.3	+1.3
P55A	Reedsville	baz=140	26.71	328	P	P	07	02	23.3	+1.3
TZTN	Tazewell	baz=130,SNR=8.7	26.73	319	P	P	07	02	23.0	+0.7
T52A	Hallie	baz=131,SNR=12	26.75	321	P	P	07	02	23.1	+0.7
249A	Camden	baz=117,SNR=18	26.75	307	P	P	07	02	23.0	+0.5
149A	Jones	baz=118,SNR=23	26.79	309	P	P	07	02	23.3	+0.5
V51A	Loudon	baz=127,SNR=7.3	26.79	317	P	P	07	02	23.3	+0.5
MCWV	Mont Chateau	baz=140	26.84	329	P	P	07	02	24.4	+1.3
Q54A	Coxs Mills	baz=133,SNR=14	26.84	326	P	P	07	02	24.4	+1.3
Z49A	Columbiana	baz=120,SNR=20	26.88	310	P	P	07	02	24.4	+0.8
X50B	Fort Payne	baz=123,SNR=18	26.90	313	P	P	07	02	24.4	+0.5
U51A	La Follette	baz=128,SNR=5.2	26.93	318	P	P	07	02	24.5	+0.4
R53A	Hurricane	baz=135,SNR=11	26.98	324	P	P	07	02	25.1	+0.7
055A	Ligonier	baz=142,SNR=5.2	27.00	330	P	P	07	02	25.7	+1.1
W50A	Signal Mountai	baz=125,SNR=6.6	27.08	315	P	P	07	02	26.1	+0.7
P54A	Burton	baz=139	27.11	328	P	P	07	02	26.6	+1.0
Q53A	Leroy	baz=136,SNR=12	27.12	325	P	P	07	02	26.7	+1.0
Y49A	Blount Mountai	baz=121	27.12	311	P	P	07	02	26.2	+0.4
LRAL	Lakeview Retre	baz=119,SNR=25	27.15	309	P	P	07	02	26.7	+0.7
S52A	Salyersville	baz=132	27.18	322	P	P	07	02	26.8	+0.7
V50A	Pikeville	baz=126,SNR=15	27.21	316	P	P	07	02	27.1	+0.6
BINY	Binghamton	baz=150,SNR=11	27.24	337	P	P	07	02	27.9	+1.1
T51A	Gray	baz=130,SNR=8.8	27.25	319	P	P	07	02	27.4	+0.5
N55A	Marion Center	baz=143,SNR=5.3	27.30	331	P	P	07	02	28.4	+1.0
APG	El Apazote	comp=Z,55nm,1.0s,ba	27.32	269	P	P	07	02	27.7	-0.3
R52A	Catlettsburg	baz=134,SNR=6.4	27.38	323	P	P	07	02	28.5	+0.5
148A	Greensboro	baz=117,SNR=15	27.39	308	P	P	07	02	28.7	+0.5
X49A	Woodville	baz=122	27.40	313	P	P	07	02	28.8	+0.5
S51A	Beattyville	baz=131,SNR=12	27.46	321	P	P	07	02	29.4	+0.6
U50A	Jamesstown	baz=127,SNR=16	27.48	318	P	P	07	02	29.5	+0.6
P53A	Whipple	baz=137,SNR=5.6	27.50	326	P	P	07	02	30.1	+1.0
054A	Avella	baz=140,SNR=5.3	27.50	329	P	P	07	02	30.3	+1.1
Q52A	Bidwell	baz=135,SNR=13	27.60	325	P	P	07	02	30.6	+0.6
W49A	Belvidere	baz=123	27.68	314	P	P	07	02	31.4	+0.6
Y48A	Jasper	baz=120,SNR=18	27.70	311	P	P	07	02	31.3	+0.3
M55A	Ridgway	baz=144,SNR=8.9	27.76	332	P	P	07	02	32.6	+1.2
V49A	McMinville	baz=125	27.80	315	P	P	07	02	32.2	+0.4
LBNH	Lisbon	baz=160,SNR=7.4	27.82	345	P	P	07	02	33.4	+1.5
T50A	Nancy	baz=128,SNR=22	27.84	319	P	P	07	02	33.1	+0.9
X48A	Hartselle	baz=121,SNR=10	27.88	312	P	P	07	02	32.9	+0.4
R51A	Hillsboro	baz=132,SNR=14	27.89	322	P	P	07	02	33.6	+0.9
N54A	Moraine State	baz=142,SNR=8.4	27.91	330	P	P	07	02	34.0	+1.2
147A	Livingston	baz=116,SNR=4.3	27.93	307	P	P	07	02	33.7	+0.7
053A	New Philadelph	baz=139,SNR=9.0	27.97	328	P	P	07	02	34.3	+0.9
S50A	Richmond	baz=130,SNR=8.8	27.98	320	P	P	07	02	34.2	+0.7
P52A	Corning	baz=136,SNR=9.5	28.00	326	P	P	07	02	34.3	+0.7
U49A	Red Boiling Sp	baz=126,SNR=14	28.14	317	P	P	07	02	35.5	+0.6
W48A	Pulaski	baz=122,SNR=15	28.16	313	P	P	07	02	35.6	+0.6
M54A	Oil Creek Stat	baz=143	28.19	331	P	P	07	02	36.2	+1.0
052A	Adamsville	baz=137,SNR=5.3	28.19	327	P	P	07	02	36.1	+0.8
L55A	Hinsdale	baz=146,SNR=6.7	28.20	334	P	P	07	02	36.4	+1.0
N53A	Lisbon	baz=140	28.20	329	P	P	07	02	36.6	+1.2
PKME	Peaks-Kenny Pk	baz=133,SNR=12	28.24	349	P	P	07	02	36.9	+1.3
Q51A	Peebles	baz=133,SNR=12	28.25	323	P	P	07	02	36.6	+0.9
R50A	Paris	baz=131,SNR=13	28.32	321	P	P	07	02	37.8	+1.4
T49A	Edmonton	baz=127,SNR=6.7	28.33	318	P	P	07	02	37.2	+0.6
P51A	Williamsport	baz=128,SNR=12	28.40	324	P	P	07	02	37.6	+0.5
V48A	Smith Brothers	baz=123	28.40	314	P	P	07	02	37.8	+0.6
Q50A	Georgetown	baz=132	28.49	322	P	P	07	02	38.8	+0.9
X47A	Russellville	baz=120,SNR=74	28.49	311	P	P	07	02	38.6	+0.6
K55A	Perry	baz=147,SNR=5.5	28.50	335	P	P	07	02	38.8	+0.8
S49A	Springfield	baz=159,SNR=11	28.59	319	P	P	07	02	39.4	+0.5
M53A	WI Miller and	baz=141	28.61	330	P	P	07	02	39.8	+0.8
L54A	Sinclairville	baz=140,SNR=5.8	28.62	333	P	P	07	02	39.8	+0.7
051A	Pataskala	baz=136,SNR=15	28.62	326	P	P	07	02	39.9	+0.8
N52A	McGinn's Farm,	baz=138	28.63	328	P	P	07	02	39.8	+0.7
U48A	Cassie Pea, Po	baz=125	28.64	316	P	P	07	02	39.8	+0.5
W47A	Westpoint	baz=122,SNR=10	28.68	313	P	P	07	02	40.1	+0.5
L53A	Girard	baz=142,SNR=6.0	28.82	331	P	P	07	02	41.5	+0.7
ERPA	Erie	baz=143	28.82	332	P	P	07	02	41.7	+0.8
R49A	Shelbyville	baz=130,SNR=5.7	28.84	320	P	P	07	02	41.6	+0.5
J55A	Hilton	baz=148,SNR=7.7	28.85	336	P	P	07	02	41.8	+0.7
ACSO	Alum Creek Sta	baz=136,SNR=13	28.89	326	P	P	07	02	42.3	+0.9
T48A	Bowling Green	baz=126	28.89	317	P	P	07	02	42.4	+0.9
P50A	Jamesstown	baz=134,SNR=6.3	28.90	324	P	P	07	02	42.5	+0.9
LONY	Lane Ozonia	baz=155,SNR=9.3	28.91	341	P	P	07	02	42.6	+1.0
V47A	Nunnely	baz=122	28.93	314	P	P	07	02	42.2	+0.3
CLDB	Colider	baz=167	28.96	317	eP	P	07	02	42.5	+0.2
S48A	Wiedeman Farm,	baz=127	29.00	318	P	P				





30d 8h

Table of station data for the 30-day 8-hour period. Columns include station name, coordinates, elevation, and various status indicators.

2013 APR

Table of station data for the 2013 APR period. Columns include station name, coordinates, elevation, and various status indicators.

ADC 30 07:06:54.611.0, 3.75N, 95.48E, h03km, mb4.1/2, mb1 4.3/3, mb1mx3.6/37, mbtmp4.0/3, Error ellipse: s-maj=309.6km s-min=50.2km az=80.0, Off west coast of northern Sumatara

Table of station data for the ADC period. Columns include station name, coordinates, elevation, and various status indicators.

SVSA 30 07:09:20.8:0.7, 37.66N, 24.91W, h6km, 7km, ML2.0, 1C, Error ellipse: s-maj=12.1km s-min=2.2km az=54.0, Azores Islands region

Table of station data for the SVSA period. Columns include station name, coordinates, elevation, and various status indicators.

MEX 30 07:20:06.6:0.6, 16.05N, 98.65W, h4km, 7km, MD3.7, Near coast of Guerrero

Table of station data for the MEX period. Columns include station name, coordinates, elevation, and various status indicators.

SKHL 30 07:37:38.1±0.2, 44.11N, 149.00E, h33km, 2km, mb4.8/4 JMA 30 07:37:38.4±0.4, 44.31N, 149.06E, h30km, MA 1 IDC 30 07:37:40.7±0.4, 44.38N, 149.06E, h60km, 36km, mb3.0/4, mb1 3.4/6, mb1mx3.1/44, mbtmp3.4/6, ML3.2, 2, Error ellipse: s-maj=79.3km s-min=24.5km az=161.0

ISC 30 07:37:37.0±0.9, 44.28N, 149.08E, h42km, n31, c±215/36, mb3.3/4, Kuril Islands

Table of station data for the SKHL, JMA, IDC, and ISC periods. Columns include station name, coordinates, elevation, and various status indicators.

1824

Table of station data for the 1824 period. Columns include station name, coordinates, elevation, and various status indicators.

TRN 30 08:15:56.6, 17.60N, 62.13W, h48km, MD3.5, Leeward Islands

Table of station data for the TRN period. Columns include station name, coordinates, elevation, and various status indicators.

IDC 30 08:17:57.4±9.4, 3.70S, 179.34W, h356km, 106km, mb2.8/2, mb1 3.1/3, mb1mx3.0/22, mbtmp3.7/3, Error ellipse: s-maj=105.0km s-min=39.6km az=3.0

ISC 30 08:17:50.7±1.2, 30.40S, 0.00E, h179.3W, 0.2, h300km, n33, c±169/44, Kermadec Islands

Table of station data for the IDC and ISC periods. Columns include station name, coordinates, elevation, and various status indicators.

NEIC 30 08:58:59.5±0.8, 13.85S, 172.21E, h603km, 8km, mb4.4/42, Error ellipse: s-maj=17.8km s-min=9.0km az=45.0

IDC 30 08:58:59.1±1.8, 13.64S, 172.13E, h588km, 20km, mb3.8/12, mb1 4.0/13, mb1mx3.5/40, mbtmp4.7/13, Error ellipse: s-maj=36.5km s-min=13.2km az=143.0

ISC 30 08:58:59.4±0.6, 13.95S, 0.1172E, 0.1, h600km, n70, c±67/12, mb4.4/47, Vanuatu Islands region

Table of station data for the NEIC, IDC, and ISC periods. Columns include station name, coordinates, elevation, and various status indicators.

1825

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CTAO Charters Tower, BFZ Birch Farm, THZ Tophouse, etc.

ISC 30 09:01:27.2, 6.42, 55N:79:65E, h0km, mb3.4/1, mb1 3.8/4, mb1mx3.4/55, mbmt3.7/4, ML3.7/3, MS3.8/1, Ms1 3.8/1, ms1mx2.5/39, Error ellipse: s-maj=41.1km s-min=12.2km az=147.0

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SHLS Shalkode, UZB Uzynbulak, PDGK Podgornoye, etc.

2013 APR

Table with columns: PDGK, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PRZ Przhewal'sk, KTMS Ketmen, SATY Saty, etc.

30d 9h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KAPS Kapalarasan, BOOM Boomskoye usch, KST Kastelek, etc.

MEX 30 09:10:07.9, 0.3, 13.77N:92.76W, h80km, 45km, MD3.7, Off coast of Chiapas



Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for THIG, IDC 30 09:12:36.2, NEIC 30 09:12:37.7, and ISC 30 09:12:37.0.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for GSPA South Pole Qui, KKM Kota Kinabalu, SNAIA Sanae, and PLCA Pasa Flores.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for NSSP 30 09:29:33.6, TEH 30 09:29:35.4, and NEIC 30 09:29:37.7.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for MXZ Matakaoa Point, MXZ Matakaoa Point, WMNGZ Waionatatin S, and HAZ Te Kaha.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for NEIC 30 09:15:19.7, RSPR 30 09:15:19.7, and PCDR Punta Cana, DR.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for IML Ismayilli, IML Ismayilli, IML Ismayilli, and XNQ Khinaliq.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for URZ Urewera, URZ Urewera, URZ Urewera, and URZ Urewera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for PCDR Punta Cana, DR, PCDR Punta Cana, DR, PCDR Punta Cana, DR, and DR12 Loma Pena Alta.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for QBL Gabela, QBL Gabela, QBL Gabela, and QBL Gabela.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for URZ Urewera, URZ Urewera, URZ Urewera, and URZ Urewera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for IDC 30 09:22:33.3, H11S1 WAKE ISLAND, H11S3 WAKE ISLAND, and H11S2 WAKE ISLAND.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for GBS Zardab, ZRD Zardab, ZRD Zardab, and ZRD Zardab.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for URZ Urewera, URZ Urewera, URZ Urewera, and URZ Urewera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for IDC 30 09:24:28.5, PMSA Palmer Station, VNSA Vanda, and GSPA South Pole Qui.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for DRN Derbent, DRN Derbent, DRN Derbent, and DRN Derbent.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for URZ Urewera, URZ Urewera, URZ Urewera, and URZ Urewera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for SNAIA Sanae, MAW Mawson, STKA Stephens Creek, and ROSC El Rosal.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for GBA Guba, GBA Guba, GBA Guba, and GBA Guba.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for URZ Urewera, URZ Urewera, URZ Urewera, and URZ Urewera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for H11S1 WAKE ISLAND, H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, and H11S2 WAKE ISLAND.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for GBA Guba, GBA Guba, GBA Guba, and GBA Guba.

MOS 30 09:29:33.5, 1.5, 40.95N, 48.07E, h5km, mb4.7, Error ellipse: s-maj=6.1km s-min=3.6km az=121.0

AZER 30 09:29:33.7, 0.0, 40.97N, 48.05E, h4km, M4, 1/29, Error ellipse: s-maj=0.2km s-min=0.1km az=268.0

Table with columns for station name, frequency, and other parameters. Includes stations like UNCR, MAK, KVR, KIV, DOMR, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like KURBB, KURK, KURK, KURK, KURK, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like KURBB, KURK, KURK, KURK, KURK, etc.

Additional text and data at the bottom right of the page, including station names and coordinates.





30d 10h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PALAU INFRASON, MTN Mantong Dam, MTN Mantong, etc.

2013 APR

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CHTO Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, etc.

1830

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TJN Taejon, SHL Shillong, SHL Shillong, etc.





30d 10h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like GROC Groznyy, GNI Garni, GURU Guroymak-BITLI, etc.

2013 APR

Table with columns for station name, frequency, mode, and signal strength. Includes stations like MERS Mersin, CORM Corum, AKADM Akdamar-Van, etc.

1832

Table with columns for station name, frequency, mode, and signal strength. Includes stations like VRI Vricioia, KARP Karpathos, TESR Tescani, etc.

1833

Table with columns: BOZZ, BOZ, MPMC, EDW2, FURC, R11A, R11A, GSC, GSC, FWXY, TPWA, MOOW, TORO, TORO, TORO, TORO, TORO, TOA1, REDW, SNOW, SHPR, LOHW, PFO, PFO, PFO, RLMT, RLMT, DUG, DUG, GMRC, BELC, BC30, IRM, LAO, LAO, DGMT, BW06, BW06, PD31, PDAR, PDAR, PDAR, W13A, W13A, U15A, K22A, RWWY, WUAZ, WUAZ, WUAZ, O20A, O20A, PV09, PV21, PV23, PV10, PV14, X16A, PV20, PV19, PV04, PV05, PV17, PV16, RSSD, RSSD, PV11, PV03, PV12, PV07, PV13, ULM, ULM, ULM, PV02, PV01, N23A, N23A, M23A, M23A, M23A, W18A, W18A, SMCO, SMCO, ISCO, ISCO, ISCO, AGSM, AGSM, AGSM, S22A, S22A, Q24A, Q24A, SDCO, SDCO, 319A, LAZ, ANMO, ANMO, ANMO, BNM, T25A, T25A, EYMN, SCHQ, KSCO, ECSD, ECSD, C40A, E38A, F37A, BGNE, BGNE, F38A, F38A, F39A, F39A, E40A, MNTX, MNTX, D41A

2013 APR

Table with columns: G38A, H30A, H30A, G39A, E41A, COWI, H39A, G40A, G40A, MSTX, MSTX, F41A, F41A, AMTX, H40A, I39A, E43A, E43A, MATO, H41A, G39A, G42A, F43A, I40A, K5U1, HPIC, G43A, CHGO, K36A, K36A, E45A, E45A, J40A, H42A, LSQO, D47A, E46A, E46A, L39A, K40A, J41A, J41A, TX31, LTX, TXAR, TXAR, TXAR, D48A, H43A, D49A, JFWS, JFWS, E47A, M39A, L40A, K41A, J42A, G45A, G46A, M40A, K42A, K42A, E50A, G47A, M41A, M41A, D52A, E51A, ABTX, L43A, N41A, TUL1, TUL1, M44A, JCT, JCT, JCT, HDL, HDL, K47A, PEMO, G53A, HHAR, K48A, R43A, R43A, Q42A, M46A, BANO, CCM, CCM, CCM

30d 10h

Table with columns: WHTX, WHTX, S41A, N46A, U40A, L49A, W39A, W39A, DELO, FVM, FVM, M48A, M48A, H55A, TWEED, X47A, DRWO, P45A, P45A, WLVO, U41A, M49A, P46A, O47A, N48A, MIAR, MIAR, N49A, N49A, PBMO, O48A, R45A, W41B, P47A, X40A, J55A, S45A, O49A, O49A, N50A, WLAR, P48A, L54A, O50A, P49A, Q48A, M53A, R47A, ACSO, L55A, N52A, WCI, P50A, M54A, R48A, T46A, O51A, S47A, N53A, O52A, U46A, P51A, P51A, R49A, S48A, BINY, P52A, WVT, WVT, T48A, S49A, U47A, V46A, O54A, OXF, OXF, OXF, P53A, V47A, R51A, T49A, O55A, SSPA, PLAL, U49A, W47A, T50A, T50A, S51A, S51A, R53A

30d 10h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like W47A, W48A, Q55A, etc.

2013 APR

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MTW, OVA, OVA, etc.

NEIC 30 10:34:12.1±1.4, 0.17N:119.83E, h44km, 4km, mb.5/3/183, Error ellipse: s-maj=10.7km s-min=9.7km az=45.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like LUWI, KAPI, KAPI, etc.

1834

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ENH, FORT, RABL, etc.



VAO 30 10:57:04.9+1.5, 33°47'S:70°28'W, h20km, 11km, mb4.7  
 NEIC 30 10:57:07.0+0.0, 33°50'S:70°74'W, h89km, mb5.0/327,  
 ML4.9(GUC), After GUC.  
 NEIC Felt [V] at San Jose de Maipo; [JV] at Curacavi, Las  
 Cabras, Linares, Melipilla, Padre Hurtado, Palmilla, Pirique  
 and Puente Alto; [III] at Buin, Curico, Lampa, Navidad,  
 Panchue, Quillota, Rancagua, Santiago, Talagante,  
 Tanco, Tiltil and Valparaiso.  
 GUC 30 10:57:07.9+0.7, 33°50'S:70°74'W, h89km, 3km, ML4.9  
 SJA 30 10:57:07.5+0.7, 33°46'S:70°85'W, h92km, 6km, ML4.1,  
 MW4.4  
 BUJ 30 10:57:07.0, 33°50'S:70°50'W, h82km, mb5.0/3, Ms5.2/2,  
 Ms7.4/9.2  
 MOS 30 10:57:07.0+1.2, 33°48'S:70°66'W, h90km, mb4.9/32, Error  
 ellipse: s-maj=15.6km s-min=6.4km az=100.3  
 IDC 30 10:57:08.2+0.5, 33°56'S:70°65'W, h87km, 4km, mb4.5/20,  
 mb1.4.6/24, mb1mx4.5/36, mbtmp4.8/24, MS3.7/7,  
 Ms1.3.7/7, ms1mx3.4/26, Error ellipse: s-maj=12.0km  
 s-min=8.5km az=111.0  
 ISC 30 10:57:07.3+0.4, 33°51'S:70°75'W, h83km, 3km,  
 h82km, p-P, n980, f1913/1021, mb5.1/242, 14C-6D,  
 Chile-Argentina border region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
FSR	Penalolen	0.19	81	IP	Pn	10 57 21.5	+2.0
FSR						10 57 30.9	+2.4
CLCH	Cerro Calan	0.21	58	IP	Pn	10 57 20.6	+1.0
CLCH						10 57 30.2	+1.6
PEL	Peidehue	0.37	9	ePn	Pn	10 57 21.5	+1.1
PEL						10 57 29.9	-0.1
PEL	Peidehue	0.37	9	ePn	Pn	10 57 21.5	+1.1
PEL						10 57 21.5	+1.1
PEL	Peidehue	0.37	9	IP	Pn	10 57 21.5	+1.1
PEL						10 57 31.4	+1.4
PEL						10 57 33.1	
FCH	Farellones	0.42	65	IP	Pn	10 57 22.4	+1.2
FCH						10 57 32.8	+1.5
FCH						10 57 33.9	
LMEL	Las Melosas	0.57	127	IP	Pn	10 57 23.2	+1.1
LMEL						10 57 34.9	+1.6
LMEL						10 57 35.5	
ROCI	El Roble	0.57	337	ePn	Pn	10 57 23.7	+1.4
ROCI						10 57 31.8	-1.5
ROCI	El Roble	0.57	337	ePn	Pn	10 57 23.7	+1.2
ROCI						10 57 35.4	+2.0
ROCH	El Roble	0.58	338	IP	Pn	10 57 23.5	+1.2
ROCH						10 57 35.3	+2.0
ROCH						10 57 36.7	
YECH	El Yeso	0.58	106	eP	Pn	10 57 23.8	+1.4
YECH						10 57 35.5	+2.0
CHPI	Pichilemu	1.36	229	IP	Pn	10 57 32.1	+1.2
CHPI						10 57 49.7	+0.9
AGRR	Agrelo	1.66	76	eP	Pn	10 57 37.3	+2.3
ARCO	CERRO ARCO	1.66	67	eP	Pn	10 57 37.2	+2.7
ARCO						10 57 38.4	
AUSP	Uspallata	1.72	42	eP	Pn	10 57 38.5	+2.5
AUSP						10 57 43.2	+3.2
GO05	Huala	1.79	213	ePn	Pn	10 57 37.0	+0.5
GO05						10 57 58.0	-0.7
GO05	Huala	1.79	213	ePn	Pn	10 58 01.0	+2.3
GO05						10 57 36.6	+0.1
GO05	Huala	1.79	213	IP	Pn	10 58 00.3	+1.6
GO05						10 58 04.0	
ASAL	Salagasta	1.85	61	eP	Pn	10 57 39.8	+2.4
ASAL						10 57 43.5	+2.6
RTLS	Leonicito	2.10	36	eP	Pn	10 57 39.0	+1.4
RTLS						10 57 48.0	+2.4
RTVC	Cerro Valdivia	2.48	49	eP	Pn	10 57 52.2	+1.5
CFA	Coronel Fortan	2.85	49	P	Sn	10 58 25.9	+1.8
CFA						10 58 53.5	+2.1
CFA						10 58 29.9	
RTLL	Cerro Villucun	2.90	42	eP	Pn	10 57 58.1	+0.8
RTLL						10 57 58.0	+0.5
RTLL	Cerro Villucun	2.90	42	IAML		10 58 35.0	-1.0
GO04	Tololo Observa	3.33	359	ePn	Pn	10 57 58.1	+0.8
GO04						10 57 57.8	+0.5
GO04	Tololo Observa	3.33	359	IP	Pn	10 58 35.0	-1.0
GO04						10 58 03.1	+2.0
ACDV	Cuesta del Vie	3.60	23	eP	Pn	10 58 13.2	+0.1
LCO	Las Campanas	4.48	23	ePn	Pn	10 58 13.2	+0.1
LCO						10 58 14.5	-2.1
LCO	Las Campanas	4.48	1	eP	Pn	10 58 14.5	-2.1
LCO						10 58 11.4	-1.7
LCO	Las Campanas	4.48	1	eS	Pn	10 58 23.1	+0.7
VCA	Vinchina	5.23	25	IP	Pn	10 58 37.4	+1.4
GO03	Copiap	5.91	4	ePn	Pn	10 58 34.5	-0.4
GO03						10 58 34.5	-0.4
GO06	Curarrehue	6.09	185	ePn	Pn	10 59 40.8	-2.4
GO06						10 58 50.6	+0.5
PLCA	Paso Flores	7.21	179	P	Sn	11 00 22.3	+1.2
PLCA						11 01 02.1	
PLCA						10 58 50.3	+0.2
PLCA						10 58 14.4	-1.4
PLCA	Paso Flores	7.21	179	eP	Pn	10 58 50.9	+0.8
PLCA						10 58 49.8	-0.3
TRQ2	Mina Guanaco	8.38	7	ePn	Pn	10 59 03.4	-2.9
GO0A	Tornquist	8.45	125	ePn	Pn	10 59 07.3	+0.4
TRQA	Tornquist	8.45	125	ePn	Pn	10 59 07.3	+0.4
GO07	Millado Hill	8.86	193	ePn	Pn	10 59 22.2	-3.9
PB10	IPOC Station P	9.96	1	ePn	Pn	10 59 29.8	+2.2
LVC	Limon Verde	10.98	9	P	Pn	10 59 37.0	-4.8
LVC						11 01 33.3	-1.0
LVC	Limon Verde	10.98	9	ePn	Pn	10 59 36.6	-5.2
LVC						10 59 39.2	-2.6
PB04	IPOC Station P	11.14	3	ePn	Pn	10 59 39.3	-4.6
PB01	IPOC Station P	12.47	5	ePn	Pn	10 59 56.2	-5.5
OGAUY	Aigu	13.35	98	ePn	Pn	11 00 07.7	-5.7
CPUP	Villa Florida	13.65	62	P	Pn	11 00 13.7	-3.8
CPUP						11 02 40.6	-6.9
CPUP						11 06 17.5	
CPUP						11 00 14.9	-2.5
CPUP	Villa Florida	13.65	62	ePn	Pn	11 00 14.9	-2.5
CPUP						11 00 12.2	-4.9
PB11	IPOC Station P	13.73	4	ePn	Pn	11 00 16.3	-2.3
GO01	Chuzmiza	13.85	6	ePn	Pn	11 00 17.6	-2.9
MNMC	Minye Minye	14.36	4	ePn	Pn	11 00 27.2	+0.4
ITAB	Concordia	17.23	74	ePn	Pn	11 01 00.1	-2.6
LPAZ	La Paz	17.31	8	P	P	11 01 05.1	+0.5
LPAZ						11 01 05.5	+0.9
LPAZ	La Paz	17.31	8	eP	P	11 01 05.5	+0.9
LPAZ						11 01 02.8	
LPAZ	La Paz	17.31	8	eP	P	11 01 04.2	-0.1
CNLB	Canela	17.49	82	eP	Pn	11 01 02.8	-3.1
GO09	Cerro Castillo	17.79	183	eP	Pn	11 01 11.2	+1.8
PTGB	Pitanga	18.51	67	eP	P	11 01 16.5	-0.7
AQDB	Aquidauana	18.64	50	eP	P	11 01 17.7	-0.8
TRCB	Terra Rica	19.18	61	eP	P	11 01 24.5	0.0
SIV	San Ignacio	19.51	29	P	P	11 01 27.9	-0.2
SIV						11 01 10.2	
EFI	East Falkland	20.36	157	eP	P	11 01 35.9	-1.1
EFI						11 01 35.9	-1.1
EFI	East Falkland	20.36	157	eP	P	11 01 35.9	-1.1
EFI						11 01 35.9	-1.1

FRFB	Fartura	21.17	67	eP	P	11 01 45.3	-0.7
USHA	Ushuaia	21.38	176	P	P	11 01 49.0	+1.1
USHA						11 10 05.3	
NNA	Nana	22.14	344	P	P	11 01 59.2	+2.9
NNA						11 01 56.2	-0.2
NNA	Nana	22.14	344	eP	P	11 01 59.9	+3.6
PET01	Itanhaem-SP	22.47	72	eP	P	11 01 59.3	-0.5
SPB	Sao Paulo	22.70	70	eP	P	11 02 02.1	-0.1
SPB						11 02 01.1	-1.1
ITRB	Iturama	22.78	58	eP	P	11 02 02.4	-0.7
RCLB	Rio Claro- Sao	23.24	68	eP	P	11 02 06.2	-1.4
BB19B	Bebedouro	23.26	63	eP	P	11 02 06.7	-1.1
ESAR	Angra dos Reis	25.36	72	eP	P	11 02 26.9	+0.2
BSFB	Bom Sucesso	26.18	68	eP	P	11 02 33.4	-0.7
PMNB	Patos De Minas	26.36	62	eP	P	11 02 36.4	+0.4
BDFB	Brasilia	27.17	55	P	P	11 02 43.0	-0.2
BDFB						11 14 23.0	
BDFB	Brasilia	27.17	55	eP	P	11 02 41.4	-1.9
BDFB						11 02 52.4	+0.4
CAM01	Campos-RJ	28.18	73	eP	P	11 03 02.4	0.0
MCIB	Montes Claros	29.33	62	eP	P	11 03 03.7	+0.7
MCIB						11 03 04.2	+0.7
ALF01	Guarapari-ES	29.55	72	eP	P	11 03 05.2	+1.0
JANB	Januaria	30.16	59	eP	P	11 03 10.8	+1.0
SJMB	Sao Joao De Ma	30.24	68	eP	P	11 03 10.8	+0.2
BSFB	Barra De Sao F	30.43	59	eP	P	11 03 12.6	+0.8
PMSA	Palmer Station	31.56	175	eP	P	11 03 25.0	+3.5
RPN	Rapa Nui	33.77	270	LR	LR	11 13 45.1	
PTGA	Pitinga	34.14	19	eP	P	11 03 43.8	-0.7
PTGA						11 03 44.4	-0.2
OTAV	Otavalvo	34.34	346	eP	P	11 03 46.0	-0.7
OTAV						11 03 46.1	-0.7
OTAV	Otavalvo	34.34	346	eP	P	11 03 50.9	+4.1
FLOC	Florencia	35.21	351	eP	P	11 03 56.8	+2.8
FLOC						11 04 12.9	+2.0
PRAC	Prado	37.23	353	eP	P	11 04 12.9	+2.0
PRAC						11 04 12.9	+2.0
PAYG	Puerto Ayora	37.46	327	eP	P	11 04 13.2	+0.3
NORC	Norcia	39.05	353	eP	P	11 04 27.8	+1.5
NORC						11 04 27.8	+1.5
RUSC	La Rusia	39.25	356	eP	P	11 04 29.8	+1.4
RUSC						11 04 29.8	+1.4

X57A	Johnson Farm, baz=172	68.18 352	P	P	11 07 59.2 +0.6
X58A	Rowland comp=Z,49nm,0.6s	68.18 352	eP	P	11 07 59.7 +1.0
X58A	Rowland baz=172	68.18 352	P	P	11 07 59.2 +0.6
HODGE	Hodges comp=Z,14nm,1.0s	68.25 350	eP	P	11 07 58.9 -0.2
X56A	White Oak baz=171	68.33 351	P	P	11 07 60.0 +0.4
Y51A	Rockmart baz=167,SNR=8.7	68.39 347	P	P	11 08 00.2 +0.2
X55A	Gracelyn & Ava baz=170,SNR=6.6	68.39 350	P	P	11 08 00.3 +0.4
BIRD	Birdtown, Kers comp=Z,13nm,0.7s	68.41 351	eP	P	11 08 00.8 +0.8
Y50A	Piedmont baz=167	68.51 347	P	P	11 08 00.9 +0.2
W60A	Pink Hill baz=174	68.52 354	P	P	11 08 01.5 +0.8
X54A	Belton baz=170,SNR=6.2	68.57 350	P	P	11 08 01.5 +0.4
W61A	Ground Anchor baz=174	68.58 355	P	P	11 08 02.4 +1.3
Y49A	Blount Mountai comp=Z,22nm,1.1s	68.61 346	eP	P	11 08 01.9 +0.6
Y49A	Blount Mountai baz=169,SNR=6.0	68.61 346	P	P	11 08 01.5 +0.1
W58A	Raeford baz=172,SNR=5.5	68.63 353	P	P	11 08 02.0 +0.5
HPIG	comp=Z,8.2nm,0.7s	68.65 327	eP	P	11 08 03.3 +1.3
X53A	Estanollee baz=169,SNR=11	68.67 349	P	P	11 08 02.2 +0.5
W59A	Clinton baz=173	68.70 353	P	P	11 08 02.6 +0.8
CNNC	Cliffs of the comp=Z,56nm,0.8s	68.72 354	eP	P	11 08 03.3 +1.3
CNNC	Cliffs of the baz=172	68.72 354	P	P	11 08 02.6 +0.7
NATX	Nacogdoches comp=Z,48nm,0.9s	68.73 338	eP	P	11 08 03.9 +1.8
NATX	Nacogdoches baz=159	68.73 338	P	P	11 08 03.7 +1.6
PAUL	Pauline comp=Z,25nm,1.0s	68.76 350	eP	P	11 08 02.9 +0.6
ETX06	Route 59 and C comp=Z,36nm,0.9s	68.76 338	eP	P	11 08 04.0 +1.6
435B	Jarrell comp=Z,18nm,0.6s	68.79 335	eP	P	11 08 03.9 +1.3
435B	Jarrell baz=156	68.79 335	P	P	11 08 03.5 +1.0
Y48A	Jasper baz=165	68.82 345	P	P	11 08 02.8 +0.1
W57A	Gilead comp=Z,21nm,0.8s	68.85 352	eP	P	11 08 03.5 +0.7
W57A	Gilead baz=172,SNR=5.9	68.85 352	P	P	11 08 03.1 +0.3
X52A	Dalhousie baz=168,SNR=10	68.87 348	P	P	11 08 03.3 +0.3
W56A	Indian Trail baz=171	68.90 351	P	P	11 08 03.3 +0.1
X51A	Calhoun comp=Z,61nm,0.8s	69.00 348	eP	P	11 08 04.5 +0.7
X51A	Calhoun baz=167,SNR=13	69.00 348	P	P	11 08 04.5 +0.7
KMSC	Kings Mountain comp=Z,27nm,0.7s	69.01 351	eP	P	11 08 04.2 +0.4
KMSC	Kings Mountain baz=171,SNR=6.4	69.01 351	P	P	11 08 04.0 +0.2
X50B	Fort Payne baz=167,SNR=7.6	69.04 347	P	P	11 08 04.2 +0.1
W54A	Cherokee Point baz=173,SNR=6.2	69.07 350	P	P	11 08 04.5 +0.3
BG3	Lake Jocassee comp=Z,26nm,0.7s	69.09 349	eP	P	11 08 05.0 +0.6
V60A	Jim Taylor Roa comp=Z,49nm,0.8s	69.18 354	eP	P	11 08 06.7 +1.9
V60A	Jim Taylor Roa baz=174	69.18 354	P	P	11 08 05.6 +0.8
X49A	Woodville baz=169	69.22 346	P	P	11 08 05.7 +0.5
V59A	Middlesex baz=173	69.27 353	P	P	11 08 06.1 +0.8
W53A	Cullowhee baz=169,SNR=9.6	69.30 349	P	P	11 08 06.1 +0.4
X48A	Hartselle comp=Z,31nm,0.9s	69.31 346	eP	P	11 08 06.5 +0.8
X48A	Hartselle baz=166,SNR=13	69.31 346	P	P	11 08 06.3 +0.6
JCT	Junction City comp=Z,29nm,0.8s	69.32 333	eP	P	11 08 07.1 +1.2
JCT	Junction City comp=Z,29nm,0.8s	69.32 333	eP	P	11 08 07.1 +1.2
JCT	Junction City comp=Z,29nm,0.8s	69.32 333	eP	P	11 08 07.0 +1.1
JCT	Junction City comp=Z,29nm,0.8s	69.32 333	eP	P	11 08 07.0 +1.1
W52A	Murphy comp=Z,26nm,0.9s	69.35 348	eP	P	11 08 06.6 +0.6
W52A	Murphy baz=168,SNR=6.9	69.35 348	P	P	11 08 06.2 +0.2
V58A	Windy Hill, Pi baz=173,SNR=6.9	69.39 353	P	P	11 08 06.4 +0.2
X47A	Russelville baz=165,SNR=11	69.55 345	P	P	11 08 07.3 +0.2
V57A	Coltrane Farms baz=172	69.55 352	P	P	11 08 07.3 +0.2
V56A	Mocksville comp=Z,33nm,0.8s	69.56 352	eP	P	11 08 07.9 +0.7
V56A	Mocksville baz=171,SNR=12	69.56 352	P	P	11 08 07.8 +0.6
W51A	Cleveland baz=168,SNR=7.3	69.56 348	P	P	11 08 07.7 +0.5
Z41A	Richland Creek comp=Z,44nm,0.7s	69.58 340	eP	P	11 08 07.9 +0.5
Z41A	Richland Creek baz=160	69.58 340	P	P	11 08 08.7 +1.3
U61A	Possum Corner comp=Z,39nm,0.9s	69.68 355	eP	P	11 08 09.1 +1.2
U61A	Possum Corner baz=175	69.68 355	P	P	11 08 09.1 +1.2
V55A	Taylorville baz=171,SNR=10	69.69 351	P	P	11 08 08.4 +0.4
W50A	Signal Mountai comp=Z,50nm,0.7s	69.70 347	eP	P	11 08 08.6 +0.5
W50A	Signal Mountai baz=167,SNR=17	69.70 347	P	P	11 08 08.6 +0.5
V54A	Hebo baz=170,SNR=10	69.72 350	P	P	11 08 08.5 +0.3
V53A	Saluda comp=Z,24nm,0.8s	69.74 350	P	P	11 08 08.7 +0.4
X46A	Booneville baz=164	69.75 344	P	P	11 08 08.7 +0.3
CPCT	Cooper Cave comp=Z,25nm,0.7s	69.80 348	eP	P	11 08 09.4 +0.7
W49A	Belvidere baz=166,SNR=8.1	69.80 346	P	P	11 08 09.1 +0.5
U59A	Littleton comp=Z,16nm,0.8s	69.81 354	eP	P	11 08 10.1 +1.3
U59A	Littleton baz=174,SNR=6.2	69.81 354	P	P	11 08 09.7 +0.9
SWET	Sewanee comp=Z,67nm,0.7s	69.83 347	eP	P	11 08 09.6 +0.7
LTX	Lajitas comp=Z,6.8nm,0.7s	69.84 330	eP	P	11 08 10.3 +1.1
LTX	Lajitas comp=Z,6.8nm,0.7s	69.84 330	eP	P	11 08 10.3 +1.1
TXAR	Lajitas Array comp=Z,6.2nm,0.7s,baz=153,slow=8.5,SNR=89	69.84 330	eP	P	11 08 10.3 +1.1
TXAR	Lajitas Array comp=Z,2.3nm,0.9s,baz=134,slow=7.2,SNR=3.4	69.84 330	eP	P	11 08 10.4 +1.2
TXAR	Lake Whitney comp=Z,24nm,0.8s	69.85 336	eP	P	11 08 10.1 +1.0
WHTX	Lake Whitney, baz=156,SNR=18	69.85 336	P	P	11 08 10.0 +1.0
U60A	Pendleton baz=174	69.88 355	P	P	11 08 10.1 +1.0
TKL	Tuckaleechee C comp=Z,21nm,0.8s,baz=166,slow=6.6,SNR=20	69.88 349	eP	P	11 08 09.3 +0.2
TKL	Tuckaleechee C comp=Z,21nm,0.8s	69.88 349	eP	P	11 08 09.4 +0.2
TKL	Tuckaleechee C	69.88 349	eP	P	11 08 09.4 +0.2
OXF	Oxford comp=Z,20nm,0.8s	69.89 344	eP	P	11 08 09.8 +0.5

OXF	Oxford comp=Z,90nm,1.0s	69.89 344	eP	P	11 08 09.8 +0.5
OXF	Oxford comp=Z,16nm,0.8s	69.89 344	eP	P	11 08 09.5 +0.3
CCAR	Cane Creek comp=Z,30nm,0.7s	69.92 341	eP	P	11 08 08.6 -0.8
U58A	Oxford baz=173	69.92 353	P	P	11 08 10.2 +0.8
W48A	Pulaski baz=166,SNR=7.1	69.95 346	P	P	11 08 10.1 +0.5
V52A	Sevierville comp=Z,25nm,0.9s	70.03 349	eP	P	11 08 10.2 +0.1
V52A	Sevierville baz=169,SNR=8.4	70.03 349	P	P	11 08 10.1 0.0
U57A	Blanch baz=172	70.04 353	P	P	11 08 10.7 +0.5
PLAL	Pickwick Lake comp=Z,29nm,1.1s	70.04 345	eP	P	11 08 10.8 +0.7
WLAR	White Oak Lake comp=Z,44nm,0.9s	70.07 340	eP	P	11 08 12.0 +1.6
U56A	King baz=172,SNR=6.6	70.08 352	P	P	11 08 10.8 +0.5
V51A	Loudon comp=Z,19nm,0.9s	70.12 348	P	P	11 08 10.9 +0.3
V51A	Loudon baz=168,SNR=6.1	70.12 348	P	P	11 08 10.6 0.0
V50A	Pikeville baz=167,SNR=18	70.12 348	P	P	11 08 11.0 +0.4
W47A	Westpoint baz=165,SNR=8.4	70.20 345	P	P	11 08 11.4 +0.3
W46A	Mitche comp=Z,34nm,0.9s	70.25 345	P	P	11 08 11.7 +0.2
X43A	Marvell baz=172,SNR=6.7	70.26 342	eP	P	11 08 12.7 +1.2
X43A	Marvell baz=172,SNR=6.7	70.26 342	P	P	11 08 12.7 +1.2
U55A	TA2, Sparta baz=171	70.31 351	P	P	11 08 12.2 +0.3
V49A	McMinnville comp=Z,34nm,0.9s	70.36 347	eP	P	11 08 12.4 +0.3
U53A	Fall Branch baz=170,SNR=6.7	70.39 350	P	P	11 08 12.0 -0.3
T59A	Double 'B' Far comp=Z,34nm,0.9s	70.41 354	eP	P	11 08 13.4 +1.1
T59A	Double 'B' Far baz=174,SNR=7.7	70.41 354	P	P	11 08 13.2 +0.9
U54A	Nelsons Funny comp=Z,40nm,0.7s	70.43 351	eP	P	11 08 13.2 +0.6
U54A	Nelsons Funny baz=170,SNR=11	70.43 351	P	P	11 08 12.8 +0.2
T58A	Grand View Acr baz=173,SNR=7.1	70.47 353	P	P	11 08 13.3 +0.6
T60A	Surry comp=Z,70nm,0.8s	70.51 355	eP	P	11 08 12.3 -0.6
T60A	Surry baz=175	70.51 355	P	P	11 08 13.1 +0.2
V48A	Smith Brothers baz=161	70.51 346	eP	P	11 08 13.6 +0.5
V48A	Smith Brothers baz=166,SNR=31	70.51 346	P	P	11 08 13.5 +0.5
U52A	Thorn Hill baz=169	70.53 349	P	P	11 08 12.9 -0.3
T57A	Hurt comp=Z,15nm,0.7s	70.59 353	eP	P	11 08 14.3 +0.9
T57A	Hurt baz=172,SNR=6.0	70.59 353	P	P	11 08 14.0 +0.5
U51A	La Follette baz=168,SNR=8.0	70.62 349	P	P	11 08 13.7 0.0
T56A	Rocky Mt baz=172,SNR=9.4	70.71 352	P	P	11 08 15.0 +0.8
TZTN	Tazewell comp=Z,10nm,0.7s	70.71 349	eP	P	11 08 14.2 0.0
TZTN	Tazewell baz=169	70.71 349	P	P	11 08 14.2 0.0
V47A	Nunnely baz=165,SNR=45	70.74 346	eP	P	11 08 14.6 +0.2
X40A	Basin Creek Fa comp=Z,4.6nm,0.8s	70.74 341	eP	P	11 08 15.0 +0.5
CLTN	Cedars of Leba comp=Z,12nm,0.6s	70.76 347	eP	P	11 08 15.2 +0.7
U50A	Jamestown baz=168,SNR=7.7	70.80 348	P	P	11 08 14.8 0.0
V46A	Holladay baz=165,SNR=22	70.84 345	P	P	11 08 15.0 0.0
U4LR	University of comp=Z,12nm,0.9s	70.88 341	eP	P	11 08 15.9 +0.6
T55A	Pulaski baz=171	70.88 352	P	P	11 08 15.9 +0.6
T54A	Tazewell baz=170,SNR=8.1	70.93 351	P	P	11 08 15.7 0.0
BLA	Blacksburg comp=Z,39nm,0.8s	70.93 352	eP	P	11 08 16.4 +0.8
BLA	Blacksburg comp=Z,13nm,0.8s	70.93 352	eP	P	11 08 16.4 +0.8
BLA	Blacksburg baz=172	70.93 352	P	P	11 08 16.1 +0.5
T53A	Wise baz=170	70.98 350	P	P	11 08 15.7 -0.3
MIAR	Mount Ida comp=Z,39nm,0.8s	71.00 340	eP	P	11 08 16.7 +0.6
MIAR	Mount Ida comp=Z,8.0nm,0.8s	71.00 340	eP	P	11 08 16.7 +0.6
MIAR	Mount Ida comp=Z,39nm,0.8s	71.00 340	eP	P	11 08 16.7 +0.6
U49A	Red Boiling Sp baz=167,SNR=7.5	71.06 347	P	P	11 08 16.3 0.0
S58A	Poland Farm, P comp=Z,22nm,0.8s	71.08 354	eP	P	11 08 17.7 +1.3
S58A	Poland Farm, P baz=174	71.08 354	P	P	11 08 17.4 +1.0
WVT	Waverly comp=Z,123nm,0.6s	71.09 345	eP	P	11 08 16.9 +0.4
WVT	Waverly comp=Z,123nm,0.6s	71.09 345	eP	P	11 08 16.9 +0.4
WVT	Waverly baz=165	71.09 345	P	P	11 08 17.0 +0.5
S59A	Mechanicville baz=174	71.17 355	P	P	11 08 17.6 +0.7
T52A	Hallie comp=Z,24nm,1.1s	71.17 350	eP	P	11 08 17.2 +0.1
T52A	Hallie baz=169	71.17 350	P	P	11 08 16.7 -0.3
V51A	Gray baz=168,SNR=11	71.19 349	P	P	11 08 17.2 +0.1
ABTX	Abilene, Hawle baz=155,SNR=15	71.19 334	eP	P	11 08 18.3 +1.0
ABTX	Abilene, Hawle baz=155,SNR=15	71.19 334	P	P	11 08 18.2 +1.0
U48A	Cassie Pea, Po baz=166				







30d 11h

Error ellipse: s-maj=19.5km s-min=10.5km az=216.0

UCR 30 11:13:41.0, 1.6, 12.16N:86.71W, h106km, 3km, MD4.0, ML4.4, mb4.2(NEIC)

ISC 30 11:13:40.5-0.6, 12.18N:0.004:86.70W, 0.04, h110km, 5km, n117, s1939/143, mb4.1/23, 4C-6B, Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their data points.

2013 APR

Table with columns: WMOK, Station Name, Time, Res, ISC. Lists seismic stations like WMOK, TUL1, OK023, etc.

IDC 30 11:23:29.4:1.5, 1.07N:126.64E, h0km, mb3.2/4, m1 3.4/4, mb1mx3.3/3.1, mbtmt3.3/4, Error ellipse: s-maj=150.7km s-min=22.5km az=68.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations like WRA, ASAR, SONM, MKAR, etc.

1840

Table with columns: COEN, Station Name, Time, Res, ISC. Lists seismic stations like COEN, STKA, STKA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MAW, F10A, HLID, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like UCR 30, SNET 30, NEIC 30, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FFC, YKA, YKBS, etc.

IDC 30 11:58:36.4+1.0, 14:21'N:90:40W, h0km, mb3.8/6, mb1 4.0/9, mb1mx3.8/35, mbmtpp3.8/9, ML3.6/3, MS3.0/2, Ms1 3.0/2, ms1mx2.8/27, Error ellipse: s-maj=22.0km s-min=10.3km az=73.0

JMA 30 12:27:26.2+0.2, 24:81'N:122:39E, h0km, M2.4 TAP 30 12:27:26.3+2.4, 89'N:122:39E, h16km, ML2.9, C ISC 30 12:27:26.4+1.0, 24:84'N:103:12E, h9km, gkm, n49, c049/87, Taiwan region



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KURSB, ILAR, KKAR, BCAR, INK, WB2, WR1, WRA, WRA, WRA, AS31, ASAR, ASAR, YKA, YKB5, AKASO, KVN, NV01, NVAR, BR101, BRTR, BRTR, R11A, PDAR, TXAR, LPAZ, LPAZ.

TAP 30 13:12:19.6, 24.57N, 122.58E, h12km, ML2.9, C
JMA 30 13:12:19.6, 24.59N, 122.56E, h16km, 3km, M2.2
ISC 30 13:12:19.7, 24.56N, 122.57E, 0.02, h15km, 8km, n77, c0570/145, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JYNG, EOS1, YOJ, YOJ, EGS, EGS, TWC, TWC, TWB1, TWB1, NTC, NTC, ENA, ENA, ILA, TIPB, TIPB, TWE, TWE, SLBB, SLBB, NWF, NWF, WFSB, WFSB, ENT1, ENT1, NDT, NDT, NACB, NACB, TWA, TWA, NWL1, NWL1, TWD, TWD, NHDH, NHDH, ETLH, ETLH, YM07, YM07, YM01, YM01, IRIF, IRIF, YM11, YM11, YM08, YM08, YM10, YM10, YHNB, YHNB.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NSK, NSK, TWY, TWY, ANP, ANP, TWS1, TWS1, NTST, NTST, NTST, NTST, WLBT, WLBT, WLBT, WLBT, HATJ, HATJ, HATJ, HATJ, WHF, WHF, WHF, WHF, ESL, ESL, ESL, ESL, TDCB, TDCB, TDCB, TDCB, JKRS, JKRS, JKRS, JKRS, CHGB, CHGB, CHGB, CHGB, EGFH, EGFH, EGFH, EGFH, OWD, OWD, OWD, OWD, NSTT, NSTT, NSTT, NSTT, JJJ, JJJ, JJJ, JJJ, HGSD, HGSD, HGSD, HGSD, WHP, WHP, WHP, WHP, WVDT, WVDT, WVDT, WVDT, EHY, EHY, EHY, EHY, JISG, JISG, JISG, JISG, NMLH, NMLH, NMLH, NMLH, YULB, YULB, YULB, YULB, TWQ1, TWQ1, TWQ1, TWQ1, SSLB, SSLB, SSLB, SSLB, SMLT, SMLT, SMLT, SMLT, TWF1, TWF1, TWF1, TWF1, TYC, TYC, TYC, TYC, WHYT, WHYT, WHYT, WHYT, FULB, FULB, FULB, FULB, WJS, WJS, WJS, WJS, ALS, ALS, ALS, ALS, JTJ, JTJ, JTJ, JTJ, CHN5, CHN5, CHN5, CHN5, CHN4, CHN4, CHN4, CHN4, TPUB, TPUB, TPUB, TPUB, WTP, WTP, WTP, WTP, TWK, TWK, TWK, TWK, CHN1, CHN1, CHN1, CHN1, SNTS, SNTS, SNTS, SNTS, SGST, SGST, SGST, SGST, SLGT, SLGT, SLGT, SLGT, ECL, ECL, ECL, ECL, SSD, SSD, SSD, SSD, MASBT, MASBT, MASBT, MASBT, EAST, EAST, EAST, EAST, PHUB, PHUB, PHUB, PHUB.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WSAR, WSAR, BVAR, BVAR, FINES, FINES, ARCES, ARCES, TORD, TORD, WRA, WRA, WRA, WRA.

ISC 30 13:56:32.7, 1.0, 28.04N, 62.16E, h0km, mb3.6/6, mb1 3.7/7, mb1mx3.3/54, mbtmp3.6/7, ML3.4/1, Error ellipse: s-maj=30.3km s-min=24.3km az=77.0
ISC 30 13:56:37.1, 1.2, 27.9N, 0.1, 62.0E, 0.2, h35km, n7, c2913/8, mb3.6/6, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WSAR, WSAR, BVAR, BVAR, FINES, FINES, ARCES, ARCES, TORD, TORD, WRA, WRA, WRA, WRA.

ISC 30 14:04:54.1, 1.1, 25.03N, 123.59E, h0km, mb3.4/6, mb1 3.7/6, mb1mx3.5/40, mbtmp3.5/6, MS3.0/11, Ms1 3.3/11, ms1mx3.1/27, Error ellipse: s-maj=39.2km s-min=21.1km az=67.0
JMA 30 14:04:55.0, 0.2, 25.02N, 123.52E, h9km, M3.4
ISC 30 14:04:55.0, 1.9, 25.00N, 0.08, 123.54E, 0.05, h7km, 12km, n25, c044/21, mb3.4/6, MS3.2/9, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IRIF, IRIF, YOJ, YOJ, JYNG, JYNG, JISG, JISG, JISG, JISG, JJJ, JJJ, JKRS, JKRS, HATJ, HATJ, HATJ, HATJ, JTB, JTB, JTB, JTB, JIRB, JIRB, JHJ, JHJ, MJAR, MJAR, CMAR, CMAR, ASAJ, ASAJ, KLR, KLR, SONM, SONM, SONM, SONM, JAY, JAY, PETK, PETK, MKAR, MKAR, ZALV, ZALV, WRA, WRA, NRIK, NRIK, ASAR, ASAR, FINES, FINES, NOA, NOA, YKA, YKA.

ISC 30 14:11:1.1, 1.0, 24.96N, 123.44E, h0km, mb3.8/9, mb1 4.0/9, mb1mx3.7/40, mbtmp3.8/9, MS3.0/11, Ms1 3.0/11, ms1mx2.4/43, Error ellipse: s-maj=38.3km s-min=17.4km az=64.0
JMA 30 14:11:1.1, 0.0, 2.25, 0.08N, 123.51E, h29km, M3.3
NEIC 30 14:11:1.5, 1.5, 24.91N, 123.35E, h28km, 10km, mb4.0/1, Error ellipse: s-maj=9.7km s-min=7.4km az=95.0
ISC 30 14:11:1.1, 1.8, 24.94N, 0.06, 123.51E, 0.04, h8km, 11km, n37, c089/41, mb3.9/11, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IRIF, IRIF, YOJ, YOJ, JYNG, JYNG, JISG, JISG, JJJ, JJJ, JKRS, JKRS, HATJ, HATJ, HATJ, HATJ, JTB, JTB, JTB, JTB, JIRB, JIRB, JHJ, JHJ, MJAR, MJAR, CMAR, CMAR, SONA, SONA, SONM, SONM, MK31, MK31, MK32, MK32, MKAR, MKAR, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, WR1, WR1.







30d 15h

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, error rates).

2013 APR

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, error rates).

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Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, error rates).

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include RAMN Ramite, BVAR Borovoye Array, AKTO Aktyubinsk, etc.

comp=Z,2.20nm,0.5s

comp=Z,2.20nm,0.5s

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comp=Z,2.20nm,0.5s

comp=Z,2.20nm,0.5s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SONM Songino Array, KURBB Kurchatov Arra, ILAR Eielson Array, etc.

1.3nm,0.8s,baz=37,slow=9.1,SNR=4.5

0.6nm,0.9s,baz=14,slow=8,SNR=3.8

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

0.3nm,0.7s,baz=18,slow=8.5,SNR=3.2

0.6nm,1.1s,baz=357,slow=9.6,SNR=4.5

0.8nm,0.5s,baz=29,slow=8.7,SNR=8.8

0.2nm,0.6s,baz=12,slow=4.8,SNR=3.2

0.9nm,0.8s,baz=12,slow=1.1,SNR=4.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include PNIG Pinotepa, PNIG Tlapa, etc.

HEL 30 17:08:40.9,0.1,67.07N:20.96E,h0km,ML2.1,

ML1.8(UPP),Explosion

UPP 30 17:08:40.3,0.1,67.07N:20.96E,h0km,ML1.8,Explosion

ICD 30 17:08:41.1,1.1,67.05N:21.04E,h0km,ML2.7/3,

s-maj=6.30,mbtmp=2.63,ML2.0/3,Error ellipse:

BER 30 17:08:42.4,1.7,66.92N:21.13E,h0km,Suspected

explosion

KOLA 30 17:08:44.8,67.97N:20.52E,h0km

ISC 30 17:08:40.0,0.2,67.06N:20.94E:0.02,h0km,n46,

e121/55,Sweden

Code Station Name Az AzZ Phase ID Time Res

DUNU Dundret 0.16 294 Op P 17 08 43 +0.3

DUNU Dundret 0.16 294 S P 17 08 45 +0.3

DUNU Dundret 0.16 294 I S P 17 08 45 +0.3

ERTU Ertsjaerv 0.71 135 P P 17 08 53 +0.2

ERTU Ertsjaerv 0.71 135 eP P 17 08 53 +0.2

PAJU Pajala 0.85 91 P P 17 08 56 +0.4

PAJU Pajala 0.85 91 I P P 17 08 56 +0.4

HARU Harads 0.90 179 P P 17 08 57 +0.3

HARU Harads 0.90 179 eP P 17 08 57 +0.3

RATU Laukkulupa 0.93 327 P P 17 08 57 +0.6

RATU Laukkulupa 0.93 327 eP P 17 08 57 +0.6

KUA Kuravaara 0.93 346 P P 17 08 57 +0.8

KUA Kuravaara 0.93 346 eP P 17 08 57 +0.8

SALU Salloukta 1.00 290 P P 17 08 59 +0.5

SALU Salloukta 1.00 290 eP P 17 08 59 +0.5

LANU Lannavaara 1.07 21 P P 17 09 00 +0.9

LANU Lannavaara 1.07 21 ePb P 17 09 00 +0.7

NIKU Nikkaluokta 1.10 319 P P 17 09 00 +0.8

NIKU Nikkaluokta 1.10 319 eP P 17 09 00 +0.8

SJUJ Sjujsmark 1.58 170 P P 17 09 04 +0.2

SJUJ Sjujsmark 1.58 170 eP P 17 09 04 +0.2

HEF Hetta 1.71 36 P P 17 09 11 +0.3

HEF Hetta 1.71 36 eP P 17 09 11 +0.3

HEF comp=Z,15nm,0.2s MSG 17 09 32.5

HEF comp=Z,15nm,0.2s eSN Sg 17 09 35.8 +0.6

HEF Hetta 1.71 36 eP P 17 09 11 +0.1

LILU Lillitraesk 1.83 195 P P 17 09 13 +0.1

LILU Lillitraesk 1.83 195 eP P 17 09 13 +0.1

KIF Kilpisjarvi 1.96 359 P P 17 09 16 +0.7

KIF Kilpisjarvi 1.96 359 ePb P 17 09 16 +0.7

KIF comp=Z,27nm,0.2s MSG 17 09 40.0

KIF Kilpisjarvi 1.96 359 eSg Sg 17 09 43.2 +0.0

KIF Kilpisjarvi 1.96 359 eS P 17 09 16 +0.3

RNF Rovaniemi 2.06 100 eSg Sg 17 09 17 +0.1

RNF Rovaniemi 2.06 100 ePb Sg 17 09 17 +0.1

RNF Rovaniemi 2.06 100 eS P 17 09 17 +0.1

KTK1 Kautokeino 2.15 23 eP P 17 09 20 +0.2

SGF Sodankyl 2.21 77 ePb P 17 09 19 +0.8

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NLD, THW, TAS, AML, UCH, EKS2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like GNI, GNI, GNI, GNI, GNI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like URZ, URZ, URZ, URZ, URZ, etc.

ADC 30 17:40:11.5s 1.2.33122S 179.28W h0km mb4.0/4, mb1.4/3.5, mb1mx3.9/22, mbtmp4.1/5, ML4.1/1, Error ellipse: s-maj=38.2km s-min=25.8km az=36.0

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like GLKZ, RAO, RAO, RAO, RAO, etc.

ADC 30 17:53:13.8s 1.0.3529N 5.76E, h0km, mb3.7/10, mb1.3/2.4, mb1mx3.7/49, mbtmp3.8/15, ML4.1/5, MS3.2/4, Ms1.3/2.4, mb1mx2.8/41, Error ellipse: s-maj=22.9km s-min=17.0km az=155

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CASM Ain Smara, DFRA Djebel Bou Aff, and others.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LASF Ste Croix, EADA Adamuz, and others.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MKAR Makanchi Array, WMQ Urumqi, and others.

Technical notes and coordinates for station IDC 30 18:09:30.1+1.8, 43:71N; 105:39W, h0km, mb4.1/2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RSDS Black Hills, K22A Casper, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PHWY Pilot Hill, RFWY Rawlins, and others.



30d 18h

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ISC 30 18:10.20.3:1.0.3219N.0103.115.24W.0102.h20km,3km, n48, c1500/63,4C-3D, California-Baja California border region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various stations like MBIG, CPBX, WESC, etc.

ISC 30 18:14:11.5:0.6,30.29N,102.86E,h0km,mb4.0/20, mb1.4/22,mb1mx3.9/56,mbmp4.0/22,ML3.9/1,MS3.5/17,MS1.3/5,17,ms1mx3.3/40,Error ellipse: s-maj=18.0km s-min=12.8km az=60.0

MOS 30 18:14:13.4:1.1.30191N.102.98E,h21km,mb4.6/24,Error ellipse: s-maj=8.0km s-min=5.8km az=102.0

BUI 30 18:14:15.0.30.24N,102.89E,h14km,mb4.3/28,mb4.6/11,ML4.3/22,MS4.3/35,MS7.4/134

NEIC 30 18:14:17.5:1.5.30135N.103.00E,h36km,3km,mb4.4/66, Error ellipse: s-maj=12.9km s-min=11.7km az=84.0

ISC 30 18:14.0.0.3.3034N.103.00E.0.04.103.00E.0.04.h10km,n201, c1553/197,mb4.4/75,MS3.5/16,2D,Sichuan

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like GYA, KMI, ENH, etc.

Table with columns: XAN, comp=N,1um,1.1s, smax, smax. Lists stations like XAN, XAN, XAN, etc.

Table with columns: HIA, comp=Z,19nm,1.5s, 22.77 29 eP, P, 18 19 17.3 +0.8. Lists stations like HIA, MK31, MK31, etc.

Table with columns: BRTR, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Keskin Array B, ARCS ARCESS Array B, etc.

Table with columns: PET, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like DALK, UJGLR, AVH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ACP2, ACP2, ACP2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRA, WRA, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NEIC, NEIC, NEIC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LVC, LVC, LVC, etc.

Table with columns: PLCA, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Paso Flores, Paso Flores, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like YKA, YKA, YKA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PMG, PMG, PMG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BATI, BATI, BATI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KACW, KACW, KACW, etc.

MEX 30 18:14:30.4, 0.8, 15.37N-95.82W, h38km, 29km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PANG, PANG, PANG, etc.

MEX 30 18:17:37.9, 10.0, 49.75N-157.80E, h51km, 10km, ML4.2

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SKR, SKR, SKR, etc.

PRU 30 19:03:06.2, 0.0, 50.16N-12.59E, h0km, West Bohemia

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KACW, KACW, KACW, etc.

30d 19h

Table with columns: KELT, Kelkit, 0.81, 6, i, P, Pg, 19 06 32.8 +0.2, baz=236, WLTB, Daxi, 1.26 257, eS, Sn, 19 23 43.4 +0.2

MEX 30 19:22:29.0, 0.7, 17.78N x 102.31W, h20km, 67km, MD3.9, Near coast of Michoacan

TAP 30 19:22:52.6, 25.19N, 122.58E, h173km, ML3.3, D JMA 30 19:22:53.6, 0.3, 25.04N, 122.61E, h164km, 6km, M2.5

Table with columns: Code, Station Name, Az, Phase ID, ISC, h, m, s, ISC, Time, Res

2013 APR

Main table with columns: Code, Station Name, Az, Phase ID, ISC, h, m, s, ISC, Time, Res

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Table with columns: Code, Station Name, Az, Phase ID, ISC, h, m, s, ISC, Time, Res

SJA 30 19:33:47.4, 0.8, 33.06S x 70.34W, h108km, 9km, ML2.9, MW3.3

GUC 30 19:33:48.5, 0.6, 32.91S x 70.12W, h94km, 6km, ML3.6

Table with columns: Code, Station Name, Az, Phase ID, ISC, h, m, s, ISC, Time, Res

SOME 30 19:35:34.2, 41.22N, 78.77E, h5km KRNET 30 19:35:34.0, 0.1, 41.15N, 78.74E, h14km, mb2.7

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
h	m	s	ISC	ISC	ISC	ISC	ISC
TARG	Taragay, Kyrgyz	0.80	305	↑P	Pg	19 35 51.7	+0.4
TARG	baz=10.0			↑S	Sb	19 36 04.3	+0.1
PRZ	Przheval'sk	1.23	350	↑P	Pn	19 35 59.6	-0.6
PRZ	baz=50			↑S	Sn	19 36 18.3	+0.9
KDJ	Kajisay	1.41	308	↑P	Pb	19 36 02.8	-0.3
KDJ	baz=11			↑S	Sg	19 36 23.1	+1.7
SATY	Saty	1.79	353	↑P	Pg	19 36 09.9	-0.5
SATY	35nm,0.3s			Lg	Lg	19 36 35.6	
SATY	Saty	1.79	353	↑P	Pg	19 36 09.9	-0.5
SATY	16nm,0.4s			↑S	Sg	19 36 35.6	+2.0
UZB	Uzymbulak	1.89	8	↑P	Pb	19 36 10.6	-0.5
UZB	6.2nm,0.3s			Lg	Lg	19 36 36.9	
UZB	Uzymbulak	1.89	8	↑P	Pb	19 36 10.6	-0.5
UZB	6.2nm,0.3s			eS	Sg	19 36 36.9	+0.3
ZHN	Zhinisheke	1.90	355	↑P	Pg	19 36 11.7	-0.7
ZHN	17nm,0.2s			Lg	Lg	19 36 38.7	
ZHN	Zhinisheke	1.90	355	eP	Pg	19 36 11.7	-0.7
ZHN	18nm,0.2s			eS	Sg	19 36 38.7	+1.7
SHLS	Shalkode	1.97	17	↑P	Pg	19 36 14.5	+0.9
SHLS	19nm,0.4s			Lg	Lg	19 36 43.4	
SHLS	Shalkode	1.97	17	eP	Pg	19 36 14.5	+0.9
SHLS	19nm,0.4s			eS	Sg	19 36 43.4	+4.3
ULHL	Ulahol	2.07	299	↑P	Pb	19 36 13.2	-1.1
ULHL	baz=1.0			↑S	Sg	19 36 41.3	-1.1
PDGK	Podgornoye	2.14	16	↑P	Pb	19 36 14.0	-1.4
PDGK	2.7nm,0.3s			Lg	Lg	19 36 44.4	
PDGK	Podgornoye	2.14	16	↑P	Pg	19 36 15.1	-0.4
PDGK	2.7nm,0.4s			Lg	Lg	19 36 44.5	
PDGK	Podgornoye	2.14	16	↑P	Pb	19 36 14.2	-1.2
PDGK	15nm,0.5s			↑S	Sg	19 36 43.3	-1.3
TNSS	Tian-Shan	2.18	324	↑P	Pg	19 36 17.2	-0.6
TNSS	18nm,0.3s			Lg	Lg	19 36 47.8	
TNSS	Tian-Shan	2.18	324	eP	Pg	19 36 17.2	-0.6
TNSS	18nm,0.3s			eS	Sg	19 36 47.8	+1.7
KPKS	Kokpek	2.19	0	eP	Pb	19 36 16.4	+0.1
KPKS	15nm,0.2s			eS	Sg	19 36 46.9	+0.6
MDOK	Medeo	2.24	328	↑P	Pg	19 36 17.2	-0.1
MDOK	59nm,0.5s			Lg	Lg	19 36 49.2	
MDOK	Medeo	2.24	328	↑P	Pg	19 36 17.8	-1.1
MDOK	11nm,0.3s			Lg	Lg	19 36 49.2	
MDOK	Medeo	2.24	328	↑P	Pg	19 36 17.8	-1.1
MDOK	11nm,0.3s			↑S	Sg	19 36 49.2	+1.2
KOTS	Kotrybulak	2.28	330	↑P	Pg	19 36 18.9	-0.8
KOTS	28nm,0.7s			Lg	Lg	19 36 51.0	
KOTS	Kotrybulak	2.28	330	eP	Pg	19 36 18.9	-0.8
KOTS	10nm,0.3s			eS	Sg	19 36 51.0	+1.8
KNDC	Almaty	2.32	327	↑P	Pb	19 36 18.6	0.0
KNDC	43nm,0.6s			↑L	Lg	19 36 52.4	
AAA	Alma-Ata	2.34	326	↑P	Pg	19 36 19.9	-0.8
AAA	19nm,0.3s			Lg	Lg	19 36 53.2	
BOOM	Boomskeye usch	2.38	302	↑P	Pn	19 36 17.2	+1.1
BOOM	33nm,0.2s			↑S	Sb	19 36 49.2	-0.3
KTMS	Ketmen	2.50	29	↑P	Pb	19 36 21.5	0.0
KTMS	8.0nm,0.3s			Lg	Lg	19 36 55.6	
KTMS	Ketmen	2.50	29	eP	Pb	19 36 21.6	0.0
KTMS	8.0nm,0.3s			eS	Sg	19 36 55.6	-0.6
MTBS	Maitube	2.50	319	↑P	Pb	19 36 21.9	+0.4
MTBS	4.6nm,0.3s			Lg	Lg	19 36 56.5	
MTBS	Maitube	2.50	319	eP	Pb	19 36 21.9	+0.4
MTBS	4.6nm,0.3s			eS	Sg	19 36 56.5	+0.2
KST	Kastek	2.69	312	↑P	Pb	19 36 25.5	+0.8
KST	14nm,0.4s			Lg	Lg	19 37 02.6	
KST	Kastek	2.69	312	eP	Pb	19 36 25.5	+0.8
KST	7.2nm,0.5s			eS	Sg	19 37 02.6	+0.4
KZA	Kyzart	2.69	288	↑P	Pn	19 36 21.8	+1.2
KZA	7.2nm,0.5s			↑S	Sb	19 36 56.2	-2.5
TKM2	Tokmak 2	2.83	307	↑P	Pg	19 36 27.6	+0.4
TKM2	0.9nm,0.5s			↑L	Lg	19 37 06.7	
TKM2	Tokmak 2	2.83	307	↑P	Pn	19 36 23.5	+1.3
TKM2	baz=8.0			↑S	Sb	19 36 59.8	-2.5
KTBS	Karatobe	2.85	329	↑P	Pb	19 36 27.8	+0.2
KTBS	4.3nm,0.4s			eS	Sg	19 36 06.2	-1.3
CHHK	Chushkaly	2.87	335	↑P	Pb	19 36 28.7	+0.9
CHHK	11nm,0.6s			eS	Sg	19 37 07.9	-0.1
DGS	Degeres	2.92	313	↑P	Pg	19 36 29.5	+0.7
DGS	20nm,0.5s			eS	Sg	19 36 29.5	+0.7
DGS	Degeres	2.92	313	eP	Pb	19 36 29.5	+0.7
DGS	7.0nm,0.4s			eS	Sg	19 37 09.2	-0.5
ARXS	Arharly	3.00	348	↑P	Pb	19 36 31.3	+1.1
ARXS	12nm,0.6s			eS	Sg	19 36 31.3	+1.1
ARXS	Arharly	3.00	348	eP	Pb	19 37 12.3	-0.2
ARXS	3.2nm,0.3s			eS	Sg	19 36 32.8	+0.3
KUU	Kurdy	3.14	327	↑P	Pb	19 36 32.8	+0.3
KUU	2.1nm,0.2s			↑S	Sg	19 37 15.2	-1.6

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
h	m	s	ISC	ISC	ISC	ISC	ISC
KUU	Kurdy	3.14	327	↑P	Pb	19 36 32.8	+0.3
KUU	2.1nm,0.2s			↑S	Sg	19 37 15.2	-1.6
DJR	Jarkent	3.16	15	↑P	Pb	19 36 32.9	0.0
DJR	13nm,0.8s			eP	Pb	19 36 32.9	0.0
DJR	Jarkent	3.16	15	eP	Pb	19 36 32.9	0.0
DJR	2.4nm,0.2s			↑S	Sg	19 37 15.2	-2.3
AAK	Ala-Archa	3.41	295	↑P	Pg	19 36 40.8	-0.4
AAK	11nm,0.4s			Lg	Lg	19 37 24.5	
KAPS	Kapalarasan	4.04	7	↑P	Pb	19 36 49.1	+1.3
KAPS	5.1nm,0.9s			eS	Sg	19 37 42.8	-2.8
KAPS	Kapalarasan	4.04	7	eP	Pb	19 36 49.1	+1.3
KAPS	0.9nm,0.4s			eS	Sg	19 37 42.8	-2.8
KAPS	3.0nm,0.5s						

SOME 30 19:37:20.0, 41:22N, 78:78E, h0km  
 KRNET 30 19:37:21.4, 0.1, 41:21N, 78:74E, h15km, mb3.4  
 NINC 30 19:37:22.1, 1.1, 41:24N, 78:76E, h0km, mb4.2, mpv3.9,  
 Error ellipse: s-maj=8.1km s-min=5.0km az=162.0  
 ISC 30 19:37:24.3, 2.0, 41:26N, 0:07-78:75E, h5km, 11km,  
 n66, c1823/101, 24C-21D, Kyrgyzstan-Xinjiang border region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
h	m	s	ISC	ISC	ISC	ISC	ISC
TARG	Taragay, Kyrgyz	0.78	299	↑P	Pg	19 37 38.2	-1.0
TARG	baz=7.0			↑S	Sb	19 37 50.7	-0.8
PRZ	Przheval'sk	1.15	348	↑P	Pn	19 37 45.6	-1.6
PRZ	baz=49			↑S	Sn	19 38 03.4	0.0
KDJ	Kajisay	1.38	304	↑P	Pb	19 37 49.2	-1.2
KDJ	baz=9.0			↑S	Sg	19 38 09.2	+0.4
SATY	Saty	1.72	352	↑P	Pb	19 37 55.8	-0.5
SATY	21nm,0.4s			Lg	Lg	19 38 21.9	
SATY	Saty	1.72	352	eP	Pb	19 37 55.8	-0.5
SATY	76nm,0.4s			eS	Sg	19 38 21.9	+2.5
UZB	Uzymbulak	1.80	7	↑P	Pb	19 37 57.0	-0.9
UZB	218nm,0.4s			Lg	Lg	19 38 23.8	
UZB	Uzymbulak	1.80	7	eP	Pb	19 37 57.0	-0.9
UZB	32nm,0.3s			eS	Sg	19 38 23.8	+1.6
ZHN	Zhinisheke	1.82	354	↑P	Pb	19 37 57.8	-0.4
ZHN	99nm,0.5s			Lg	Lg	19 38 25.7	
ZHN	Zhinisheke	1.82	354	eP	Pb	19 37 57.8	-0.4
ZHN	90nm,0.2s			eS	Sg	19 38 25.7	+2.2
SHLS	Shalkode	1.88	17	↑P	Pg	19 38 00.5	+0.1
SHLS	168nm,0.3s			Lg	Lg	19 38 29.8	
SHLS	Shalkode	1.88	17	eP	Pb	19 38 00.5	+0.1
SHLS	77nm,0.4s			eS	Sg	19 38 29.8	+5.0
ULHL	Ulahol	2.05	296	↑P	Pb	19 38 28.6	+0.7
ULHL	187nm,0.4s			↑S	Sb	19 38 28.6	+0.7
PDGK	Podgornoye	2.05	16	↑P	Pb	19 38 01.2	-0.9
PDGK	13nm,0.2s			Lg	Lg	19 38 31.0	
PDGK	Podgornoye	2.05	16	↑P	Pg	19 38 01.1	-1.0
PDGK	71nm,0.6s			↑L	Lg	19 38 31.0	
PDGK	Podgornoye	2.05	16	↑P	Pb	19 38 01.1	-1.0
PDGK	10nm,0.3s			↑L	Lg	19 38 30.7	
PDGK	Podgornoye	2.05	16	↑P	Pb	19 38 01.0	-1.0
PDGK	114nm,0.6s			↑S	Sg	19 38 29.9	-0.3
KPKS	Kokpek	2.11	359	eP	Pb	19 38 02.8	-0.2
KPKS	78nm,0.3s			eS	Sg	19 38 33.7	+1.7
TNSS	Tian-Shan	2.13	323	↑P	Pb	19 38 03.5	0.0
TNSS	432nm,0.4s			Lg	Lg	19 38 34.8	
TNSS	Tian-Shan	2.13	323	↑P	Pb	19 38 03.5	0.0
TNSS	117nm,0.3s			eS	Sg	19 38 34.8	+2.0
TNSS	Tian-Shan	2.13	323	↑P	Pb	19 38 03.8	-0.2
TNSS	120nm,0.4s			eS	Sg	19 38 36.3	+2.4
KURS	Kuram	2.17	349	eP	Pb	19 38 03.9	-0.5
KURS	117nm,0.3s			eS	Sg	19 38 03.9	-0.5
MDOK	Medeo	2.19	326	↑P	Pb	19 38 03.9	-0.5
MDOK	74nm,0.4s			↑L	Lg	19 38 35.4	
MDOK	Medeo	2.19	326	↑P	Pb	19 38 04.1	-0.3
MDOK	54nm,0.6s			Lg	Lg	19 38 35.9	
MDOK	Medeo	2.19	326	eP	Pb	19 38 04.1	-0.3
MDOK	212nm						









Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like HNR Honiara, ARMA Armidale, MANU Manus Island, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like ELDTW Lidau, STYT Tauyuan, WTP Ta-pu, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like WHYT Xinyi Township, CHY Chiyai, CHY Chiyai, TWMT Shoushan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like TIBP Shuangxi, YM10, YM07, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like GSI Gunungsitoli, MNSI Mandailing Nat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PSI Prapat, KCSI Kotacane, TSI Tuntungan, etc.

IDC 30 22:04:21.9.0.9, 4.90S, 153.30E, h0km, mb3.9/10, mb1.4/1.0, mb1mx3.9/27, mbtmp3.9/10, MS3.3/1, Ms1.3/3.1, ms1mx2.5/33, Error ellipse: s-maj=27.9km s-min=19.8km az=90.0

NEIC 30 22:04:30.1.1.3, 4.96S, 153.40E, h68km, 12km, mb4.2/6, Error ellipse: s-maj=14.9km s-min=10.9km az=52.0

ISC 30 22:04:29.3.0.8, 5.00S, 108.153.43E, 0.10, h56km, n27, e+f101/27, mb4.0/15, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RABL Rabaul, PMG Port Moresby, DZM Mont Dzumac, etc.

IDC 30 22:22:16.3.1.2, 3.16N, 128.03E, h0km, mb3.6/7, mb1.3/7.7, mb1mx3.5/43, mbtmp3.6/7, MS3.2/3, Ms1.3/2.3, ms1mx2.6/30, Error ellipse: s-maj=108.7km s-min=16.6km az=72.0

ISC 30 22:22:28.0.1.2, 3.0N, 0.2, 127.8E, 0.6, h100km, n10, e+f131/7, mb3.4/7, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, PMG Port Moresby, WRA Warramunga Arr, etc.

IDC 30 22:24:31.6.1.6, 1.7.79S, 167.59E, h0km, mb4.0/8, mb1.4/2.9, mb1mx3.9/39, mbtmp4.0/8, ML3.7/1, Error ellipse: s-maj=37.8km s-min=24.9km az=62.0

NEIC 30 22:24:33.3.1.2, 1.7.84S, 167.49E, h10km, mb4.1/5, Error ellipse: s-maj=24.4km s-min=11.1km az=61.0

ISC 30 22:24:34.5.0.9, 1.785S, 0.08, 167.7E, 0.2, h23km, n28, e+f162/32, mb4.0/11, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, WRO Tooolangi, etc.

DDA 30 22:34:25.0.38.69N, 43.22E, h7km, 2km, ML2.6, ISK 30 22:34:25.1.1, 38.67N, 43.21E, h8km, ML2.0/8, ISC 30 22:34:25.8.0.9, 38.68N, 0.03, 43.21E, 0.03, h14km, gkm, n18, e+f50/23, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, ERVC ERVIC-VAN, etc.

IDC 30 23:00:04.5.3.9, 36.77N, 71.36E, h64km, 28km, mb3.5/8, mb1.3/8.12, mb1mx3.4/46, mbtmp4.0/12, ML4.1/5, MS2.7/2, Ms1.2/7.2, ms1mx2.1/36, Error ellipse: s-maj=43.4km s-min=18.7km az=162.0

NNC 30 23:00:05.5.3.9, 37.39N, 70.97E, h0km, mb4.6, mpv4.4, BUI 30 23:00:07.1, 37.20N, 71.10E, h12km, mb4.2/7, mb4.5/2, NEIC 30 23:00:09.0.0.7, 37.19N, 71.07E, h105km, 8km, mb4.1/4, Error ellipse: s-maj=10.6km s-min=7.7km az=132.0

ISC 30 23:00:09.0.5.3, 37.13N, 71.05E, 0.06, h106km, n73, e+f207/77, mb3.6/10, 12C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GARM Garm, BATK Batken, CEP Cherat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAK Karatay Array, KAK Karatay Array, KAK Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAK Makanchi, MK31 Makanchi Array, MKAR Makanchi Array, etc.

RSNC 30 23:45:42.1.0.5, 3.80N, 71.38W, h12km, gkm, ML3.2, MW3.5, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUVG San Jose del G, GUVG San Jose del G, GUVG San Jose del G, etc.

ATH 30 23:52:13.0, 37.73N, 21.43E, h28km, 3km, ML1.0/3, Error ellipse: s-maj=3.1km s-min=1.1km az=313.0, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VTN Vitineika, VTN Vitineika, VTN Vitineika, etc.

IDC 30 23:54:08.3.1.9, 6.83S, 128.48E, h0km, mb3.9/1, mb1.4/2.3, mb1mx3.7/26, mbtmp4.0/3, ML4.1/2, Error ellipse: s-maj=110.9km s-min=30.5km az=66.0, Banda Sea

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
			Op	h m s	ISC
WRA	Warramunga Arr	14.22 157	Pn	23 57 29.9	-1.2
1.3nm,0.3s,baz=335,slow=13,SNR=25					
WRA			Sn	23 59 54.3	-1.5
2.4nm,0.3s,baz=332,slow=23,SNR=12					
ASAR	Alice Springs	17.53 163	P	23 58 15.1	-0.5
0.3nm,0.3s,baz=349,slow=11,SNR=14					
ASAR			Sn	00 01 18.1	-1.2
0.4nm,0.3s,baz=344,slow=26,SNR=5.8					
MKAR	Makanchi Array	67.27 327	P	00 05 04.9	0.0
0.6nm,0.5s,baz=116,slow=8.0,SNR=10					

IDC 30 23:54:51.2:15.0,33:74S:179:93W,h0km,mb4.2/2,  
mb1 3.7/8,mb1mx3.8/28,mbtmp4.2/2,MS3.2/3,M1 3.2/3,  
ms1mx2.9/15,Error ellipse: s-maj=558.6km s-min=46.6km  
az=33.0

ISC 30 23:54:54.7:3.3,35:2S:02:179:7W:0.3,h43km,n89,  
a2515/78,MS3.5/3,East of North Island

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
			Op	h m s	ISC
MXZ	Matakaoa Point	2.85 214	P	23 55 35.2	-2.4
WMGZ	Waionamataini S	3.02 210	P	23 55 42.0	+2.1
PKGZ	Pakihika	3.22 214	P	23 55 44.4	+1.6
HAZ	Te Kaha	3.26 210	P	23 55 40.1	-3.1
PUZ	Puketiti	3.30 210	P	23 55 45.1	+1.3
RUGZ	Raukumara Rang	3.47 217	P	23 55 44.0	-2.3
TWGZ	Tauwhareparae	3.50 212	P	23 55 49.2	+2.5
CNGZ	Carnagh Statio	3.58 209	P	23 55 51.4	+2.5
WHRZ	Whale Island	3.77 225	P	23 55 55.4	+5.1
TKGZ	Te Karaka	3.78 211	P	23 55 52.5	+2.1
MWZ	Matawai	3.84 215	P	23 55 49.8	-1.4
URZ	Urewera	3.98 219	P	23 55 49.3	-4.0
OPRZ	Ohinepanea	4.01 228	P	23 55 53.5	-0.1
RAWZ	Rawiri	4.02 215	P	23 55 53.9	+0.8
MARZ	Manawahe	4.03 226	P	23 55 57.2	+3.3
KUZ	Kuaotunu	4.03 246	P	23 55 41.8	-1.2
RIGZ	Rimuhua	4.04 210	P	23 55 59.3	+5.3
TGRZ	Tauranga	4.12 231	P	23 55 59.1	+3.9
PRGZ	Paritu Road	4.18 207	P	23 55 01.7	+5.7
SNGZ	Shannon Statio	4.23 213	P	23 55 57.1	+0.1
OMRZ	Omania	4.29 227	P	23 56 01.9	+4.5
TARZ	Mount Tarawera	4.30 224	P	23 56 01.9	+4.3
KARZ	Kaharoa	4.31 228	P	23 55 57.6	-0.2
RTZ	Ruatuhuna	4.32 217	P	23 55 55.3	-2.6
MUGZ	Murupara	4.35 214	P	23 55 55.5	+2.3
KNZ	Kokohu	4.35 208	P	23 55 57.5	-0.6
RRRZ	Republican Roa	4.37 223	P	23 56 01.0	+2.5
MHGZ	Mahia Peninsul	4.38 205	P	23 55 60.0	+1.4
KMRZ	Kaimai	4.40 232	P	23 55 57.4	-1.5
HLRZ	Highlands Stat	4.40 225	P	23 56 02.4	+3.5
HSSZ	Hossack Road	4.40 225	P	23 56 05.5	+5.2
RAHZ	Arahi	4.51 214	P	23 56 01.9	+1.4
PRRZ	Plateau Road	4.55 223	P	23 56 00.9	0.0
MTHZ	Maungataniwha	4.57 217	P	23 55 59.8	-1.6
WHHZ	Waihua	4.58 212	P	23 56 06.0	+4.7
ALRZ	Allen Road	4.62 223	P	23 56 06.2	+4.2
WPRZ	Whakapatarin	4.63 224	P	23 56 06.9	+3.3
MRHZ	Matea Rd	4.78 220	P	23 56 07.7	+3.5
NMHZ	Naumai	4.78 215	P	23 56 08.6	+4.3
ARHZ	Aropoanui	4.83 212	P	23 56 05.0	+0.2
BKZ	Black Stump Fm	4.99 217	P	23 56 05.6	-1.5
HAZ	Hinemaiia	5.06 225	P	23 56 10.0	+3.2
WATZ	Wairara	5.06 225	P	23 56 07.5	-0.6
MCHZ	McNeill Hill	5.11 213	P	23 56 11.4	+2.7
CKHZ	Cape Kidnapper	5.13 209	P	23 56 12.0	+3.0
RATZ	Rangitukua	5.15 224	P	23 56 12.5	+3.2
RITZ	Rihia Road	5.18 222	P	23 56 10.0	+0.3
KWVZ	Kawerau Forest	5.25 214	P	23 56 08.8	+1.1
KATZ	Kakaramea	5.27 223	P	23 56 11.4	+0.4
KAHZ	Kahuranaki	5.33 210	P	23 56 11.6	-0.1
KRVZ	Karewarewa	5.38 223	P	23 56 11.7	-0.8
KRHZ	Kereru	5.42 214	P	23 56 11.2	-1.8
WTVZ	West Tongariro	5.42 223	P	23 56 11.2	-1.0
BHZ	Black Hill Sta	5.42 217	P	23 56 12.4	-1.0
NGZ	Ngauruhoe	5.46 222	P	23 56 12.3	-1.3
TWVZ	Taurewa	5.48 224	P	23 56 12.7	-1.1
TUVZ	Tukino	5.50 221	P	23 56 13.1	-1.1
OUZ	Omahuta	5.51 268	P	23 56 00.4	-1.4
PKXZ	Pawarui	5.51 209	P	23 56 13.2	+0.6
FWVZ	Far West T-bar	5.54 222	P	23 56 17.8	+2.9
PKVZ	Pokaka	5.68 223	P	23 56 19.6	+3.0
PNHZ	Pukenui	5.72 214	P	23 56 14.8	-2.3
WPHZ	Waipukurau	5.74 211	P	23 56 19.6	+2.3
PRHZ	Porangahau	5.83 209	P	23 56 17.0	-1.5
VRZ	Vera Road	5.91 222	P	23 56 19.2	-0.4
TSZ	Takapari Road	5.94 214	P	23 56 21.5	+1.3
DVHZ	Dannevirke	6.05 212	P	23 56 23.0	+1.4
WAZ	Wanganui	6.21 222	P	23 56 26.2	+2.4
PRWZ	Pori Road	6.34 212	P	23 56 24.4	-1.1
KHEZ	Kahui Hut	6.47 229	P	23 56 28.2	+0.7
TIWZ	Tintock	6.56 211	P	23 56 26.1	-2.4
MRZ	Mangatainoka R	6.60 213	P	23 56 26.9	-2.2
TMWZ	Te Maipa	6.84 209	P	23 56 33.1	+0.7
OGWZ	Otaki Gorge	6.91 215	P	23 56 33.0	-0.4
MTW	Mount Morrison	7.04 211	P	23 56 35.3	+0.1
TRWZ	Travelier	7.17 209	P	23 56 37.9	+0.6
PAWZ	Paruwai Farm	7.26 211	P	23 56 37.9	-0.3
MSWZ	Moikau Station	7.36 211	P	23 56 38.8	-0.8
PLWZ	Palliser	7.49 211	P	23 56 40.6	-0.7
BHW	Baring Head	7.52 213	P	23 56 40.3	-1.4
TUWZ	Tuamarina	7.97 217	P	23 56 46.5	-1.3
THZ	Tophouse	8.74 219	P	23 56 47.1	+1.5
LTZ	Lake Taylor	9.87 217	P	23 57 12.0	-1.1
PPT	Papeete	32.01 65	LR	00 14 27.9	
comp=Z,13nm,18.4s,baz=78,slow=37					
ASAR	Alice Springs	17.53 163	P	00 02 39.5	+0.1
3.9nm,0.8s,baz=112,slow=7.5,SNR=8.1					
WRA	Warramunga Arr	43.12 278	P	00 05 50.2	-0.8
2.5nm,0.8s,baz=120,slow=8.4,SNR=2.5					
PLCA	Paso Flores	80.25 133	LR	00 35 13.2	
comp=Z,3nm,22.0s,baz=214,slow=9.0					
CPUP	Villa Florida	98.04 130	LR	00 50 16.3	
comp=Z,2.1nm,19.2s,baz=212,slow=34					
TORD	Torodi Ar. Bea	157.99 184	PKPab	00 15 29.5	+9.0
0.8nm,1.2s,baz=194,slow=3.6,SNR=2.7					

IDC 30 23:58:15.8:1.9,59:87N:153:58W,h125km,31km,mb3.6/4,  
mb1 3.7/8,mb1mx3.3/41,mbtmp4.0/8,Error ellipse:  
s-maj=38.8km s-min=20.6km az=133.0

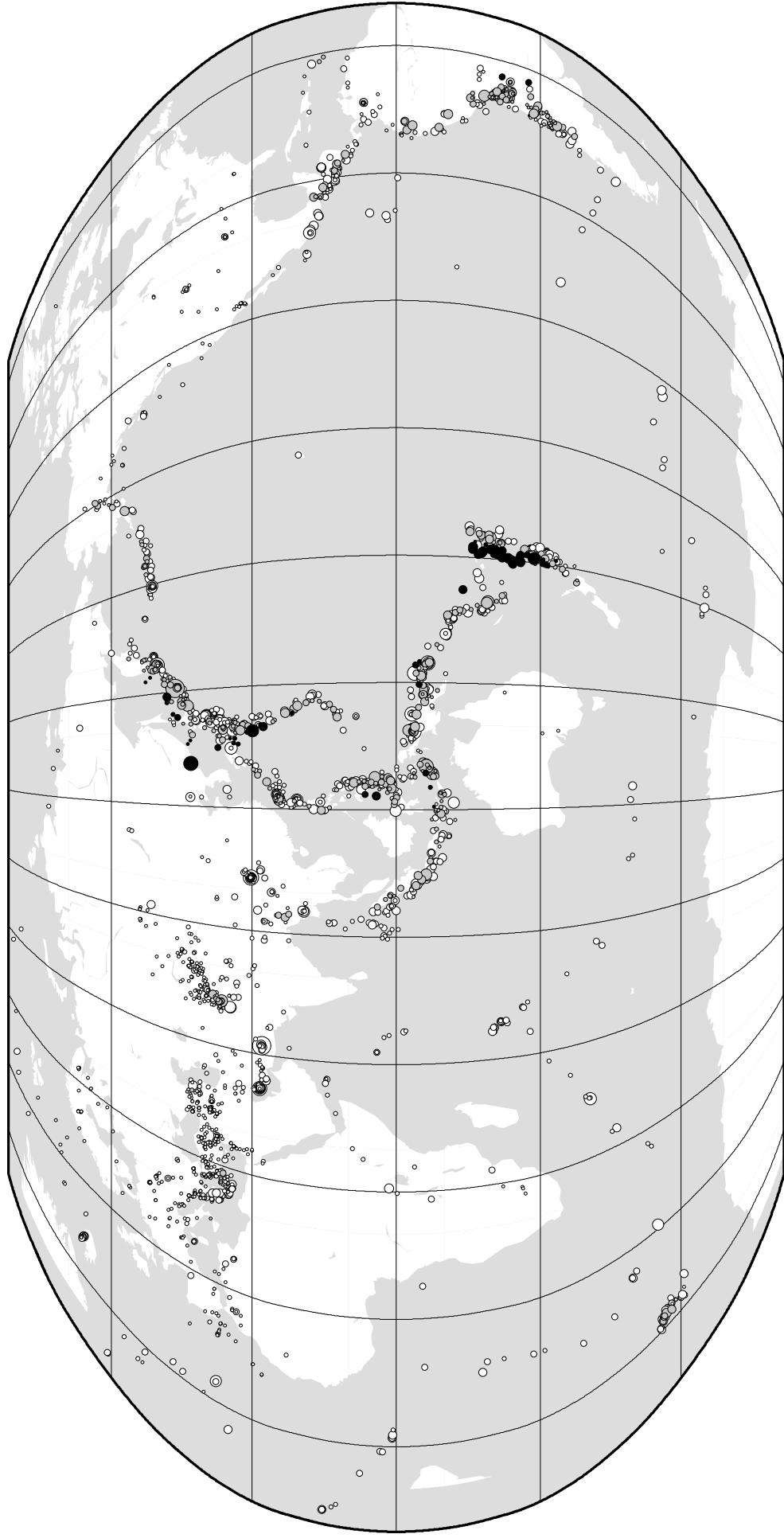
NEIC 30 23:58:17.4:0.0,59:84N:153:54W,h138km,ML3.4(AEIC),  
After AEIC.

ISC 30 23:58:16.5:0.8,59:83N:0:04:153:46W:0:04,  
h143km,5km,n92,a0577/106,mb3.9/4,Southern Alaska

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
			Op	h m s	ISC
ILS	Iliamna Low So	0.24 57	P	23 58 35.7	-0.3
ILW	Iliamna West	0.28 35	P	23 58 35.8	-0.5
ILV	Iliamna Volcan	0.29 50	P	23 58 35.9	-0.4
IVE	Iliamna East	0.29 50	P	23 58 35.9	-0.4
AUL	Augustine Lava	0.45 178	P	23 58 36.7	0.0
AUW	Augustine West	0.46 181	P	23 58 36.7	0.0
AUI	Augustine Isla	0.50 178	P	23 58 36.9	0.0
AUI			S	23 58 52.3	-0.2
RED	Redoubt Volcan	0.69 30	S	23 58 37.9	-0.2
RED			S	23 58 54.3	-0.4
RDWB	Redoubt West	0.73 25	P	23 58 38.2	-0.3
RDWB			S	23 58 54.6	-0.7
RDJH	Redoubt Jeurge	0.83 23	P	23 58 39.2	-0.1
RDJH			S	23 58 56.1	-0.5
HOM	Homer	0.94 100	P	23 58 40.3	+0.3
HOM			S	23 58 58.3	+0.5
FONW	Fourpeaked Sta	1.02 193	P	23 58 40.6	-0.2
BRLK	Bradley Lake	1.30 92	P	23 58 43.6	+0.2
BRLK			S	23 59 03.3	-0.6
KAPH	Katmai Pasha	1.32 201	P	23 58 44.3	+0.6
KAHK	Katmai Hardscr	1.43 215	P	23 58 44.2	-0.6
KAHG	Katmai Hook Gl	1.45 203	P	23 58 45.1	+0.1
KARR	Katmai Rainbow	1.48 206	P	23 58 45.2	0.0
SPCR	Spurr Chakacha	1.51 24	P	23 58 45.8	+0.2
SPCR			S	23 59 08.2	+0.2
CKT	Bend	1.51 24	P	23 58 45.9	+0.3
SPWE	Spurr West	1.52 17	P	23 58 46.1	+0.4
CKN	Chakachata No	1.54 24	P	23 58 46.5	+0.6

SVW2	Sparrevohn	1.65 321	P	Pn	23 58 46.3	-0.8
SLKM	Skilak Lake	1.76 66	P	Pn	23 58 48.8	+0.5
KELA	Mount Kelaz	1.82 221	P	Pn	23 58 48.6	-0.5
KABU	Katmai Buttres	1.82 212	P	Pn	23 58 49.2	+0.1
KABU			S	Sn	23 59 13.4	-0.8
ACHA	Angle Creek He	1.89 212	P	Pn	23 58 49.6	-0.2
SEW	Seward	2.04 80	P	Pn	23 58 51.8	+0.3
SEW			S	Sn	23 59 17.2	-1.1
KDAK	Kodiak Island	2.10 167	P	Pn	23 58 51.1	-1.2
8.5nm,0.3s,baz=33,slow=7.0,SNR=56						
KDAK			S	Sn	23 59 17.0	-2.8
86nm,0.3s,baz=323,slow=20,SNR=67						
FIB	Fire Island	2.11 49	P	Pn	23 58 53.3	+1.0
RC01	Rabbit Creek A	2.24 54	P	Pn	23 58 53.8	-0.1
PLK5	Peulik 5	2.55 225	P	Pn	23 58 58.0	+0.2
PLK3	Peulik 3	2.60 215	P	Pn	23 58 58.8	+0.3
OHAK	Old Harbor	2.62 178	P	Pn	23 58 57.5	-1.4
PLK4	Peulik 4	2.67 216	P	Pn	23 58 59.6	+0.2
PWL	Port Wells	2.75 66	P	Pn	23 58 59.8	-0.5
PMR	Palmer	2.77 48	P	Pn	23 58 60.0	-0.5
KNK	Knik Glacier	2.93 55	P	Pn	23 59 01.8	-0.8
GHO	Glory Hole Cre	2.96 47	P	Pn	23 59 02.0	-0.9
PPLA	Purkeyoile	3.14 11	P	Pn	23 59 06.3	+1.0
SML	Sawmill	3.20 49	P	Pn	23 59 05.2	-0.9
SII	Sitkinak Islan	3.30 187	P	Pn	23 59 06.0	-1.4
TT01	Tatalina	3.33 339	P	Pn	23 59 06.9	-0.7
SCM	Sheep Creek Mo	3.61 54	P	Pn	23 59 10.8	-0.7
JPK	Jack Peak	3.62 67	P	Pn	23 59 11.3	-0.1
MID	Middleton Isla	3.64 93	P	Pn	23 59 11.9	+0.2
CAST	Castle Rocks	3.66 10	P	Pn	23 59 12.5	+0.5
ANPK	Aniakchak Peak	3.88 221	P	Pn	23 59 14.7	-0.2
EYAK	Cordova Ski Ar	3.92 76	P	Pn	23 59 15.5	+0.2
TRF	Thorofare Moun	3.94 21	P	Pn	23 59 15.9	-0.2
DIV	Divide	4.02 68	P	Pn	23 59 16.4	-0.4
KLU	Klutina	4.07 63	P	Pn	23 59 16.9	-0.5
CHUM	Lake Minchumin	4.10 7	P	Pn	23 59 18.1	+0.4
RND	Reindeer	4.21 30	P	Pn	23 59 18.6	-0.6
DHY	Denali Highway	4.36 39	P	Pn	23 59 20.9	-0.6
CHGN	Chignik	4.41 212	P	Pn	23 59 21.2	-0.6
BPAW	Bear Paw Mtn.	4.44 14	P	Pn	23 59 21.5	-0.7
MCK	McKinley	4.47 27	P	Pn	23 59 22.9	+0.4
VNHG	Veniaminof 1	4.72 222	P	Pn	23 59 26.1	+0.1
BWN	Browne	4.75 22	P	Pn	23 59 26.5	+0.2
HARP	HARP	4.79 54	P	Pn	23 59 26.9	0.0
PAX	Paxson	4.97 47	P	Pn	23 59 29.1	-0.2
KHIT	Khitrov Hills	5.14 79	P	Pn	23 59 32.2	+0.5
NEA	Nenana	5.19 21	P	Pn	23 59 31.5	-0.6
WRH	Wood River Hil	5.29 26	P	Pn	23 59 32.7	-0.8
TGL	Tana Glacier	5.37 75	P	Pn	23 59 34.7	0.0
MLY	Mamley	5.37 12	P	Pn	23 59 33.8	-0.8
MCARA	McCarthy VSAT	5.37 69	P	Pn	23 59 34.7	+0.1
CCB	Clear Creek Bu	5.51 26				

# ISC Computed Locations for April 2013



Robinson Projection, centred on 0°N, 130°E

