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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.

2012 JUL

1d Oh

JMA 01 00:31:08.4, 0.2, 2572N x 140.90E, h0km, M4.2, Volcano Islands region
Code Station Name A° AZ° Phase ID Time Res ISC h m s ISC

JHHJ Haha-jima-NKT 1.46 51 Op Pn 00 31 35.7 -0.4
JHHJ Chichi jima 1.79 40 eS Pn 00 31 56.0 +0.1
CBUJ Boso 4.25 37 P Pn 00 32 05.3 +0.2
BSO4 Boso 4.25 37 P Pn 00 33 24.1 +1.1

MAN 01 00:41:23.7, 18.655N, 120.90E, h17km, mb4.9, ML3.8, MS3.8
IDC 01 00:41:28.2, 3.4, 18.91N x 121.84E, h107km, 3.4km, mb3.2/4, mb1.3, 3/5, mb1mx3.0/6.3, mbtmp3.5/5, MS2.6, Ms1.3, 2/6, ms1mx2.7/2.0, Error ellipse: s-maj=44.4km s-min=17.6km sz=7.0

ISC 01 00:41:22.0, 2.8, 18.72N x 120.96E, 0.09, h16km, 16km, n18, c1551/15, mb3.4/4, MS3.1/5, Luzon
Code Station Name A° AZ° Phase ID Time Res ISC h m s ISC

APVP Conner 0.90 162 eP Pn 00 41 39.5 +0.3
ABRA Dolores 1.09 192 eS Pn 00 41 53.1 +0.5
ABRA CAUP 1.95 155 eS Pn 00 41 57.1 -0.1
CAUP Bolinao 2.53 203 eS Pn 00 42 05.0 +2.6
BALP Baler 3.02 169 eS Pn 00 42 10.3 +1.2
SCZP Santa Cruz 3.09 199 eP Pn 00 42 18.6 +2.0
TGy Tagaytay City 4.59 180 P Pn 00 42 37.6 -4.7

DAV Davao City (W) 12.42 158 LR 00 49 45.4
KSRS Korea Array 19.64 17 P 00 45 44.3 -5.6
CMAR Chiang Mai Arr 20.87 273 LR 00 50 04.1
GUMO Guam 23.52 99 LR 00 55 56.9
ASAJ Asahikawa 31.15 31 LR 00 01 00.4

IDC 01 00:43:02.1, 3.8, 52.88N x 167.64W, h0km, mb3.6/4, mb1.3, 3/6, mb1mx3.4/7.5, mbtmp3.6/6, ML3.2/2, MS2.4/2, Ms1.2, 5/2, ms1mx2.2/1.0, Error ellipse: s-maj=64.0km s-min=34.8km sz=9.9
ISCJB 01 00:43:04.9, 0.8, 52.9N, 0.1, 168.6W, 0.1, h71km, 6km, mb3.5/4, Error ellipse: s-maj=22.2km s-min=6.7km az=154.4

NEIC 01 00:43:05.2, 0.0, 52.71N x 168.34W, h42km, ML3.5(AEIC), After AEIC
ISC 01 00:43:05.8, 1.0, 52.9N, 0.1, 168.51W, 0.07, h57km, 9km, n34, c1549/35, mb3.6/4, Fox Islands
Code Station Name A° AZ° Phase ID Time Res ISC h m s ISC

NIKH Nikolski High 0.23 291 Op Pn 00 43 17.7 -0.4
NIKH Okmok Mt. Tuli 0.56 29 Pn 00 43 22.1 +0.4
OKER Okmok East Rim 0.62 26 Pn 00 43 20.5 +1.5
OKAK Okmok 0.69 7 Pn 00 43 19.1 -0.7
OKID Okmok Idak 1.72 2 Pn 00 43 21.9 +1.1
MSOM Makushin Julie 1.31 45 Pn 00 43 28.1 +0.3
MSOM Makushin Gods 1.33 47 Pn 00 43 28.4 +0.1
MGOD Makushin Cirqu 1.43 42 S Pn 00 43 29.9 +0.3
UNV Unalaska Valle 1.53 51 Pn 00 43 31.1 +0.3
MTBL Makushin Table 1.54 45 Pn 00 43 31.4 +0.4
AKMO Akutan Morgan 1.91 50 Pn 00 43 36.9 +0.8
AKMO Lava Point 1.95 48 Pn 00 43 37.5 +1.5
AHB Akutan Harbor 2.02 52 Pn 00 43 38.1 +1.1
AKUT Akutan 2.05 52 Pn 00 43 38.5 +0.6
AKSA Akutan Strait 2.09 52 Pn 00 43 38.8 +0.4
WESP Westdahl Peak 2.76 53 Pn 00 43 48.8 +1.1
WESE West Dahl East 2.82 54 Pn 00 43 49.3 +0.9
KOPF Korovin Flat P 0.37 262 Pn 00 43 59.9 +2.5
ATKA Atka Island 3.54 261 Pn 00 44 00.4 +2.2
FALS False Pass 3.66 50 Pn 00 44 00.8 +1.8
SPIA Saint Paul Is 4.41 348 Pn 00 44 11.6 +1.5
SDPT Sand Point 5.32 21 Pn 00 44 23.9 +1.1
KDAK Kodiak Island 10.30 55 Pn 00 45 29.5 -1.1
KDAK 0.1nm, 0.3s, baz=254, slow=7.4, SNR=1.9 Sn 00 47 17.1 -7.3
ILAR Eielson Array 16.22 34 Pn 00 46 48.3 -1.4
ILAR comp=Z, 24nm, 18.7s, baz=115, slow=36 LR 00 52 40.6
INK Inuvik 22.54 34 Pn 00 48 00.2 -1.2
YKA Yellowknife Ar 29.50 50 Pn 00 49 02.4 -1.8
YKA comp=Z, 4.1nm, 18.3s, baz=310, slow=42 LR 01 03 16.2
YBH Yreka Blue Hor 32.46 91 Pn 00 49 29.9 -0.7
H1N2 WAKE ISLAND Hy 38.19 219 T 01 31 08.5
H1N3 WAKE ISLAND Hy 38.20 219 T 01 31 09.1
H1N1 WAKE ISLAND Hy 38.21 219 T 01 31 09.9
H1S1 WAKE ISLAND Hy 39.38 219 T 01 32 37.6
H1S2 WAKE ISLAND Hy 39.40 219 T 01 32 25.2
H1S3 WAKE ISLAND Hy 39.40 219 T 01 32 33.6
ROSC Lajitas Array 52.22 90 P 00 52 10.9 -0.1
ROSC 0.4nm, 0.4s, baz=312, slow=5.9, SNR=4.1

ISCJB 01 00:44:28.7, 0.3, 22.45S, 0.02, 68.29W, 0.04, h98km, 2km, mb4.7/23, Error ellipse: s-maj=5.6km s-min=3.1km az=162.1
GCMT 01 00:44:31.0, 0.3, 22.54S, 0.68, 71W, h127km, 3km, MW5.0/77, Moment Tensor Solution. s34, c42; s77, t103; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.99; 1.6; M0=3.6E+20; M00=0.62E+24; M01=0.84E+08; M02=0.44E+11; Mr=3.5E+12; Best double couple: M4, 10700 x 10^16 Np1=332.00000, s7.00000, l-1.06.00000, NP2: 0.136.00000, s7.00000, l-1.06.00000. Principal axes: T 4.0780, Pg38.0000, Azm60.0000; N 0.0580, P12.0000, Azm152.0000; P 4.1350, P152.0000. Azm2.0000 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
NEIC 01 00:44:31.0, 0.0, 22.44S, 68.63W, h113km, mb4.7/98, ML4.9(GUC), After GUC.
GUC 01 00:44:31.6, 0.5, 22.44S, 68.63W, h113km, 4km, ML4.9
IDC 01 00:44:32.5, 0.4, 22.36S, 68.25W, h114km, 3km, mb4.3/25, Ms1.4, 4/29, mb1mx4.4/4.0, mbtmp4.7/29, MS3.7/11, Ms1.3, 7/11, ms1mx3.4/3.4, Error ellipse: s-maj=13.2km s-min=8.6km az=78.0
BUJ 01 00:44:33.8, 22.50S, 68.30W, h111km, mb4.9/5

SJA 01 00:44:38.1, 0.3, 23.23S, 68.85W, h33km, 10km, ML4.5, MW4.2
ISC 01 00:44:32.0, 0.3, 22.46S, 0.03, 68.42W, 0.05, h114km, 2km, h114km, pp-P, N482, c159/546, mb4.7/123, 10C-6D, Northern Chile

Code Station Name A° AZ° Phase ID Time Res ISC h m s ISC
PBO9 IPOC Station P 1.01 311f eS Pn 00 45 52.6 -1.3
PBO9 IPOC Station P 1.01 311f eS Pn 00 45 07.7 -2.7
PBO9 IPOC Station P 1.09 257f iP Pn 00 44 52.7 -2.0
PBO6 IPOC Station P 1.09 257f iP Pn 00 45 08.9 -3.0

PB15 IPOC Station P 1.22 232f iP Pn 00 44 54.8 -1.4
PB15 IPOC Station P 1.22 232f iP Pn 00 44 54.2 -2.1
PBO3 IPOC Station P 1.30 288f iP Pn 00 44 55.0 -2.0
PBO3 IPOC Station P 1.30 288f iP Pn 00 45 12.9 -3.0

PB07 IPOC Station P 1.54 298f iP Pn 00 44 58.0 -1.8
PBO7 IPOC Station P 1.54 298f iP Pn 00 45 17.9 -3.1
PBO4 IPOC Station P 1.60 274 ePn Pn 00 44 58.4 -2.3
PBO4 IPOC Station P 1.60 274f eS Pn 00 45 18.7 -3.5

PB05 IPOC Station P 1.69 256f eP Pn 00 44 59.2 -2.4
PBO5 IPOC Station P 1.69 256f eP Pn 00 45 20.6 -3.4
PBO1 IPOC Station P 1.73 325 ePn Pn 00 45 00.2 -1.8
PBO1 IPOC Station P 1.73 325f eS Pn 00 45 00.4 -1.6

PB10 IPOC Station P 2.23 242f iP Pn 00 45 05.6 -2.6
PBO10 IPOC Station P 2.23 242f iP Pn 00 45 31.2 -4.6
PBO8 IPOC Station P 2.41 343f iP Pn 00 45 10.6 -0.3
PBO8 IPOC Station P 2.41 343f iP Pn 00 45 40.7 +0.1

PB14 IPOC Station P 2.82 220 eP Pn 00 45 16.5 +0.3
PBO14 IPOC Station P 2.82 220 eP Pn 00 45 44.9 -5.1
GO02 Mina Guanaco 2.89 201 ePn Pn 00 45 15.4 -1.7
MNMIC Minye Minye 3.49 341 ePn Pn 00 45 23.0 -2.1
PBO16 IPOC Station P 4.23 346 eP Pn 00 45 36.1 +0.8

GO03 Copiap 5.37 197 ePn Pn 00 45 46.3 -3.8
LPAZ La Paz 6.15 3 Pn 00 46 01.3 +0.1
LPAZ La Paz 6.15 3 ePn Pn 00 45 59.5 -1.7
CYA Choya 6.41 159f eP Pn 00 46 04.4 +0.3

LCO Las Campanas 6.84 197 ePn Pn 00 46 05.5 -4.7
LCO Las Campanas 6.84 197 eP Pn 00 46 14.3 +4.2
ACLC CERRO LA CRUZ 7.06 170 eP Pn 00 46 11.4 -1.6
ACLV Cerro del Vie 7.70 185 eP Pn 00 46 20.9 -1.3
GO04 Tololo Observa 7.97 195 ePn Pn 00 46 20.4 -5.1

APLL PUNTA DE LOS L 8.08 168 eP Pn 00 46 24.3 -2.5
AMOG MOGNA 8.44 180 eP Pn 00 46 28.9 -2.8
RTLL Cerro Villicun 8.83 180f eP Pn 00 46 34.9 -2.1
RTLL Leoncito 9.33 185 IAML Pn 00 46 53.3 -3.0

RTLV Cerro Valdivia 9.36 181 eP Pn 00 46 41.3 -2.9
SIV San Ignacio 9.46 48 Pn 00 46 42.5 -3.1
SIV comp=Z, 3.7nm, 0.3s, baz=264, slow=8, SNR=2.5 S Sn 00 48 24.1 -6.2
TCA Tanti 9.47 160f eP Pn 00 46 43.7 -2.0

AUSP Espallata 9.76 185 eP Pn 00 46 46.8 -2.9
ACAN Cantantala 9.84 174f eP Pn 00 46 48.4 -2.2
ASAL Sagastaga 10.10 182 eP Pn 00 46 50.1 -4.0
MRA San Martin 10.21 167 eP Pn 00 46 51.5 -4.0

ARCO CERRO ARCO 10.35 182 eP Pn 00 46 55.1 -2.5
ARCO comp=Z, 65nm, 0.6s S Sn 00 50 06.0
ROCI El Roble 10.72 192 ePn Pn 00 46 58.3 -4.4
CPUP Villa Flores 10.82 113 P Pn 00 47 01.9 -1.9

CPUP comp=Z, 1.1nm, 0.3s, baz=295, slow=11, SNR=48 LR 00 51 47.2
PEL Peldehue 10.83 190 eP Pn 00 47 00.5 -3.4
GO05 Hualae0 12.87 193 ePn Pn 00 47 28.6 -2.3
NNA Nana 13.15 321 P Pn 00 47 38.9 -1.7

NNA comp=Z, 1.2nm, 0.3s, baz=130, slow=6.3, SNR=6.2 S S 00 50 05.3 -1.1
NNA comp=Z, 1.0nm, 0.3s, baz=180, slow=9.1, SNR=2.8 S S 00 47 37.5 -3.1
SAML Samuel 14.35 21 ePn Pn 00 47 45.4 -4.7
TRQA Torquint 16.05 162 ePn Pn 00 48 14.8 -2.1

PLCA Paso Flores 18.20 185 P Pn 00 48 37.1 -0.2
PLCA comp=Z, 1.2nm, 0.3s, baz=172, slow=12, SNR=22 S Sn 00 52 19.4 +1.6
PLCA Paso Flores 18.20 185 eP Pn 00 48 34.1 -3.3
PLCA comp=Z, 2.56nm, 0.9s S Sn 00 52 19.4 +1.6

AOPR Arecibo Observ 40.59 2 eP P 00 51 57.2 -3.6
PMSA Palmer Station 42.40 177 LR 01 09 13.0
059Z Ave Maria 50.12 345 P P 00 53 17.0 +1.1

059A Moore Haven 50.66 345 P P 00 53 20.8 +0.9
058A Arcadia 50.90 345 P P 00 53 22.6 +0.9
959A Okechoobee 51.13 346 P P 00 53 24.3 +0.9

958A Wauchula 51.40 345 P P 00 53 26.3 +0.9
957A Wimauma 51.59 344 P P 00 53 27.8 +0.9
859A Horseshoe Cattle 51.65 346 P P 00 53 28.4 +1.1

DWPF Denney Wildern 51.82 345 P P 00 53 29.4 +0.8
657A Interlachen 53.34 345 P P 00 53 41.1 +1.3
655A Horseshoe Beac 53.61 344 P P 00 53 42.5 +0.8

557A Orange Park 53.72 346 P P 00 53 43.4 +0.9
553A Crawfordville 54.56 343 P P 00 53 49.6 +0.9
353A Camilla 55.60 344 P P 00 53 56.4 +0.3

ZAIG Zacatecas 55.91 321 eP P 00 54 00.0 +1.2
254A Abbeville 55.94 345 P P 00 53 58.4 0.0
252A Lumpkin 56.36 343 P P 00 54 02.1 +0.6

NHSC New Hope 56.38 348 P P 00 54 02.2 +0.6
NHSC New Hope 56.38 348 eP P 00 54 02.5 +0.9
155A Kite 56.39 346 eP P 00 54 02.2 +0.5
154A Montrose 56.53 345 P P 00 54 02.9 +0.2

251A Midway 56.63 343 P P 00 54 03.6 +0.2
152A Waverly Hall 56.99 344 P P 00 54 06.5 +0.6
Z54A Sparta 57.07 346 P P 00 54 06.8 +0.4

Z53A Monticello 57.28 345 P P 00 54 08.5 +0.5
150A Eclectic 57.28 342 P P 00 54 09.0 +1.0
GOGA Godfrey 57.38 345 eP P 00 54 08.9 +0.3

541A Lake Charles 57.39 334 P P 00 54 10.2 +1.4
Z52A Williamson 57.41 344 P P 00 54 09.3 +0.5
Y54A Tignall 57.63 346 P P 00 54 10.7 +0.2

Z50A Ashland 57.87 343 P P 00 54 11.3 -1.0
Z50A Ashland 57.87 343 eP P 00 54 11.1 -1.0
Z50A Ashland 57.87 343 eP P 00 54 11.3 -1.0

Z45A Little AP, Sta 57.95 338 eP P 00 54 32.6 -6.9
248A Lakeview Retre 57.97 342 P P 00 54 12.3 -0.4
Z49A Columbiana 57.98 342 P P 00 54 11.9 -0.9

Y51A Rockmart 58.25 344 P P 00 54 14.4 -0.4
Z48A Northport 58.45 341 P P 00 54 15.5 -0.6
KMSC Kings Mountain 58.58 348 eP P 00 54 17.5 +0.4

X52A Dahlognea 58.62 345 P P 00 54 17.2 -0.1
833A Chaparral WMA, 58.67 328 P P 00 54 18.1 +0.3
833A Chaparral WMA, 58.67 328 eP P 00 54 17.9 +0.2

X51A Calhoun 58.83 344 P P 00 54 19.0 +0.3
X51A Calhoun 58.83 344 eP P 00 54 19.0 +0.3
X50B Fort Payne 58.93 343 P P 00 54 20.2 +0.7

W53A Woodlee 59.00 346 P P 00 54 20.2 +0.2
VNA3 Neumayer Olymp 59.02 161 P P 00 54 20.3 +0.6
241A Mo Tay, Goldon 59.03 336 eP P 00 54 22.2 +2.0

WVT	Waverly	61.10 342	eP	P	00 54 31.3	-2.9	HRV	Adam Dzewonsk	64.71 357	P	P	00 54 58.3	+0.3	Y14A	Wickenburg	70.33 322	eP	P	00 55 35.0	+1.4
U48A	Cassie Pea, Po	61.10 343	P	P	00 54 34.6	+0.4	BINY	Binghamton	64.71 354	P	P	00 54 58.3	+0.3	MVCO	Mesa Verde	70.34 327	P	P	00 55 34.7	+0.8
SNA	Sanae	61.23 161	P	P	00 54 35.1	+0.4	BINY	Blomington	64.71 354	eP	P	00 54 58.9	+0.8	MVCO	Mesa Verde	70.34 327	eP	P	00 55 34.7	+0.8
SNA	Sanae	61.23 161	P	P	00 54 35.3	+0.5	R39A	Chumby, Stover	64.72 339	P	P	00 54 58.8	+0.6	MVCO	Three Lakes	70.43 345	eP	P	00 56 05.1	+2.8
SNA	comp=Z,17nm,0.9s,baz=282,slow=6.5,SNR=45		pP		00 55 03.1	+0.6	Q41A	Truxton	64.72 340	P	P	00 54 58.5	+0.3	F41A	Wapiti	70.57 324	P	P	00 55 34.0	0.0
SNA	comp=Z,4.8nm,0.6s,baz=271,slow=6.5,SNR=5.2		pP	LR	01 19 43.3		P43A	Skaggs, Pawnee	64.85 342	P	P	00 54 59.6	+0.6	WUAZ	Wapiti	70.57 324	P	P	00 55 36.5	+1.3
U47A	Clarksville	61.24 343	P	P	00 54 35.0	-0.1	R38A	Fenwick Farm,	64.90 338	P	P	00 54 58.9	-0.4	WUAZ	Wupatki	70.57 324	eP	P	00 55 36.7	+1.5
MIAR	Mount Ida	61.53 336	P	P	00 54 36.7	-0.5	MSTX	Muleshoe	64.95 329	P	P	00 54 59.7	-0.3	H36A	Jesseland, He	70.67 341	P	P	00 55 36.1	+0.7
MIAR	Mount Ida	61.53 336	eP	P	00 54 34.9	-2.3	MSTX	Muleshoe	64.95 329	eP	P	00 55 00.0	+0.1	ECSD	EROS Data Cent	70.77 339	P	P	00 55 36.2	+0.1
W41B	Gary Havily, V	61.62 338	P	P	00 54 37.7	0.0	Q40A	Barney Farm, Aux	65.03 340	P	P	00 55 00.9	+0.8	COWI	Conover	70.78 345	eP	P	00 55 36.4	+0.3
T48A	Bowling Green	61.63 344	P	P	00 54 38.2	+0.5	TRY	Troy	65.05 356	eP	P	00 55 02.3	+2.1	F40A	Park Falls	70.85 344	P	P	00 55 36.0	-0.5
TXAR	Lajitas Array	61.67 325	P	P	00 54 37.5	-0.8	Q38A	Cooks Store, C	65.50 339	P	P	00 55 03.2	0.0	ISCO	Idaho Springs	71.00 330	P	P	00 55 38.7	+0.8
TXAR	Lajitas Ar. Si	61.67 325	eP	pP	00 55 06.1	0.0	P40A	Paris	65.50 340	P	P	00 55 03.4	+0.2	ISCO	Idaho Springs	71.00 330	eP	P	00 55 38.6	+0.8
TX31	Fountain Ranch	61.70 336	P	P	00 54 35.5	-2.9	O41A	Passleys Farm,	65.68 341	P	P	00 55 04.6	+0.3	ISCO	Loretta	71.06 344	eP	pP	00 56 08.4	+2.1
X39A	Fountain Ranch	61.70 336	P	P	00 55 06.8	+0.7	P39B	Salisbury	65.69 340	P	P	00 55 04.0	-0.4	F39A	Loretta	71.06 344	P	P	00 55 38.5	+0.8
T47A	Sharon Grove	61.70 343	P	P	00 54 37.9	-0.3	N43A	Stutzman Famil	65.96 343	P	P	00 55 06.2	+0.1	H35A	Sunnyside Ranc	71.06 340	P	P	00 55 37.7	0.0
T47A	Sharon Grove	61.70 343	eP	P	00 54 35.7	-2.6	O40A	La Belle	65.99 340	P	P	00 55 06.3	0.0	Y12C	Blythe	71.08 321	P	P	00 55 39.6	+1.5
W40A	Ferguson Farm,	61.92 337	P	P	00 55 05.4	-0.6	P38A	Dawn	66.07 339	P	P	00 55 06.3	-0.6	E41A	Kenton	71.08 345	P	P	00 55 37.8	-0.1
W40A	Ferguson Farm,	61.92 337	eP	P	00 54 37.4	-2.4	P38A	Dawn	66.07 339	eP	P	00 55 06.1	-0.8	PV01	Paradox Valley	71.10 327	eP	P	00 55 40.0	+1.6
T46A	Princeton	61.97 342	P	P	00 54 39.3	-0.7	P38A	Dawn	66.07 339	eP	P	00 55 06.3	-0.1	PV01	Paradox Valley	71.10 327	eP	pP	00 56 09.0	+2.1
S48A	Wiedeman Farm,	62.06 344	P	P	00 54 39.7	-0.9	N42A	Yates City	66.10 342	P	P	00 55 06.7	0.0	SMCO	Snowmass	71.14 329	eP	P	00 55 41.0	+2.1
V41A	Mountainview	62.14 338	P	P	00 54 41.5	+0.2	N41A	Harden Midland	66.22 342	P	P	00 55 07.6	-0.1	PV15	Paradox Valley	71.21 328	eP	P	00 55 41.5	+2.3
W39A	Magazine	62.19 337	P	P	00 54 41.5	0.0	P37A	Lathrop	66.31 338	P	P	00 55 08.3	-0.1	E40A	Wakefield	71.29 344	P	P	00 55 39.3	+0.2
W39A	Magazine	62.19 337	eP	P	00 54 37.9	-3.6	NCB	Newcomb	66.32 355	eP	P	00 55 08.4	+0.1	F38A	Pierce - Schro	71.35 343	P	P	00 55 40.4	+0.9
ABTX	Abilene, Hawle	62.37 330	P	P	00 54 42.8	-0.1	121A	Cookes Peak, D	66.37 324	P	P	00 55 09.9	+0.8	PV07	Paradox Valley	71.37 328	eP	P	00 55 41.6	+1.6
V40A	Witts Springs	62.39 338	P	P	00 54 42.6	-0.3	LBNH	Lisbon	66.45 357	P	P	00 55 10.1	+0.9	E38A	Mellen	71.39 344	P	P	00 55 39.6	-0.1
V40A	Witts Springs	62.39 338	eP	sP	00 55 25.0	+1.8	LBNH	Lisbon	66.45 357	eP	P	00 55 10.6	+1.4	D41A	Chassel	71.55 346	P	P	00 55 40.8	+0.2
T44A	Benton	62.50 341	P	P	00 54 43.0	-0.6	LONY	Lake Ozonia	66.99 355	P	P	00 55 12.8	+0.2	D41A	Chassel	71.55 346	eP	P	00 55 41.0	+0.3
S46A	Don Dixon Farm	62.52 343	P	P	00 54 43.5	-0.2	LONY	Lake Ozonia	66.99 355	eP	P	00 55 13.1	+0.5	BC3	Big Chucckawall	71.56 320	P	P	00 55 42.4	+1.2
U41A	Viola	62.56 339	P	P	00 54 43.7	-0.3	LONY	Lake Ozonia	66.99 355	eP	P	00 55 12.9	+0.2	PV09	Paradox Valley	71.66 327	eP	P	00 55 42.5	+0.6
MVL	Millersville	62.58 353	eP	P	00 54 43.2	-0.8	L43A	Garden Prairie	67.01 344	P	P	00 55 12.9	+0.2	F36A	Milaca	71.72 342	P	P	00 55 42.8	+1.1
WCI	Wyandotte Cave	62.66 344	P	P	00 54 44.6	-0.1	BNN	Barn Site	67.01 326	eP	P	00 55 14.8	+1.6	F36A	Milaca	71.72 342	eP	pP	00 55 41.2	-0.5
WCI	Wyandotte Cave	62.66 344	P	P	00 54 42.3	-2.4	FRNY	Flat Rock	67.14 356	eP	P	00 55 13.8	+0.3	IRM	Iron Mountain	71.73 321	eP	P	00 56 12.2	+2.0
W39A	Pettigrew	62.71 337	P	P	00 55 14.3	+1.9	N37A	Lee Faris, Mou	67.31 339	eP	pP	00 55 44.5	+1.7	U15A	North Rim	71.75 324	eP	P	00 55 43.1	+1.6
MCWV	Mont Chateau	62.71 350	P	P	00 54 44.6	-0.5	PKME	Peaks-Kenny Pk	67.40 359	eP	P	00 55 15.3	+0.1	E38A	The Farm, Brul	71.86 343	P	P	00 55 43.3	+0.8
T43A	Greenville	62.71 340	P	P	00 54 45.1	+0.2	PKME	Peaks-Kenny Pk	67.40 359	eP	P	00 55 15.6	+0.4	E38A	The Farm, Brul	71.86 343	eP	P	00 55 42.7	+0.2
S45A	Carrier Mills	62.76 342	P	P	00 54 44.7	-0.2	TASL	Snake Pit, Alb	67.55 327	P	P	00 55 16.9	+0.3	N23A	Red Feather La	72.03 331	P	P	00 55 44.5	+0.4
R47A	Woolly Knot Far	62.78 344	P	P	00 54 44.9	-0.5	ANMO	Albuquerque	67.55 327	P	P	00 55 17.3	+0.7	E36A	McGregor	72.24 342	P	P	00 55 45.8	+1.0
U40A	Yellville	62.79 338	P	P	00 54 45.0	-0.4	ANMO	Albuquerque	67.55 327	P	P	00 55 17.3	+0.7	KNB	Kanab	72.27 324	eP	P	00 55 48.2	+1.7
T42A	Van Buren	62.92 340	P	P	00 54 46.0	-0.3	L40A	Anamosa	67.58 342	P	P	00 55 17.6	+0.3	GMRC	Granite Mounta	72.47 321	P	P	00 55 48.1	+1.5
S44A	Carbondale	62.97 342	P	P	00 54 46.1	-0.5	L40A	Anamosa	67.58 342	eP	P	00 55 16.3	0.0	O20A	White River Ci	72.50 329	P	P	00 55 47.8	+1.1
S43A	Fulton Ridge,	63.10 341	P	P	00 54 46.6	-1.0	M38A	Pleasantville	67.58 340	P	P	00 55 17.3	+0.9	O20A	White River Ci	72.50 329	eP	P	00 55 47.8	+1.1
O56A	Blue Knob Stat	63.12 351	P	P	00 54 47.5	-0.2	PLVO	Plevna	67.64 353	eP	P	00 55 17.2	+0.6	D37A	Cotton	72.60 343	P	P	00 55 47.8	+0.9
U39A	Green Forest	63.14 337	P	P	00 54 47.7	-0.2	K42A	Prairie Point,	67.72 343	P	P	00 55 17.8	+0.5	C39A	Grand Marais	72.63 345	P	P	00 55 47.5	+0.4
T41A	Mountain View	63.15 339	P	P	00 54 47.5	-0.4	QSPA	South Pole Qui	67.73 180	P	P	00 55 18.3	+1.0	LCMT	Little Creek M	72.69 324	eP	P	00 55 49.5	+1.6
HHAR	Hobbs	63.21 337	eP	P	00 54 49.5	+1.1	QSPA	comp=Z,1.4nm,0.6s,baz=160,slow=4.2,SNR=49		pP	00 55 46.1	+0.6	C38A	Sawbill Land,	72.82 344	P	P	00 55 47.7	-0.5	
HHAR	Hobbs	63.21 337	eP	pP	00 55 17.2	+1.0	QSPA	South Pole Qui	67.73 180	eP	P	00 55 17.5	+0.2	SRU	Rafael Swe	72.83 327	eP	P	00 55 50.5	+1.9
R47A	Skylar, Fairri	63.24 343	P	P	00 54 48.3	-0.2	QSPA	comp=Z,6.2nm,0.6s		pP	00 55 46.1	+0.6	MTPU	Mount Pierson	72.88 325	eP	pP	00 55 50.7	+1.5	
Q45A	Bedord North L	63.36 344	P	P	00 54 49.2	-0.1	QSPA	comp=Z,1.4nm,0.5s,baz=184,slow=1.6,SNR=10		pP	00 55 46.1	+0.6	MTPU	Mount Pierson	72.88 325	eP	pP	00 56 19.4	+1.6	
SPPA	Standing Stone	63.39 352	P	P	00 54 49.7	+0.3	TUC	Tucson	67.87 322	P	P	00 55 19.6	+1.1	KOWA	Kowa	72.99 66	eP	LR	00 55 49.4	-0.5
P50A	Jamestown	63.40 347	P	P	00 54 49.7	+0.3	J43A	Natural Harves	68.05 344	P	P	00 55 19.1	-0.2	KOWA	Kowa	72.99 66	eP	P	01 28 43.7	
N59A	State Game Lan	63.42 354	P	P	00 54 49.0	0.0	JFWS	Jewell Farm	68.09 343	P	P	00 55 19.1	-0.2	KOWA	comp=Z,6.8nm,1.8,1.5s,baz=209,slow=36		P	00 55 49.4	-0.5	
R44A	Waltoville	63.43 342	P	P	00 54 50.1	+0.5	K40A	Colesburg	68.14 342	P	P	00 55 20.5	+0.6	Q16A	Castle Valley	73.01 326	eP	P	00 55 52.1	+2.3
ODNJ	Ogdensburg	63.48 355	eP	P	00 54 48.0	-2.0	L38A	Oak Wood Farm,	68.17 341	P	P	00 55 20.9	+0.9	P18A	Preston Nutter	73.08 327	eP	P	00 55 51.9	+1.5
T40A	Manfield	63.50 339	P	P	00 54 49.3	-0.9	J42A	Columbus	68.17 344	P	P	00 55 20.9	+0.8	P17A	Butcher Ranch,	73.21 327	eP	P	00 55 52.8	+1.9
S42A	Caledonia	63.50 340	P	P	00 54 49.5	-0.7	LIC	Lamto	68.22 73	eP	P	00 55 20.9	+0.8	MSU	Marysvalle	73.23 325	eP	P	00 55 53.9	+2.7
TUL1	Leonard	63.57 335	P	P	00 54 5															

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULM, TPWA, ELKO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMQ, USRK, MJAR, etc.

IDC 01 01:02:29.2-1.5, 0.78N-91.56E, h0km, mb3.5/7, mb1 3.8/9, mb1mx3.4/67, mbmp3.6/9, ML4.1/1, Error ellipse: s-maj=46.1km s-min=25.2km az=48.0

ISCJB 01 01:02:31.2-1.1, 1.1N-101.71E, h0km, mb3.6/7, Error ellipse: s-maj=20.4km s-min=8.6km az=12.6

DJA 01 01:02:35.7-4.3, 1.1N-147.2E-3.5, h10km, MS,07, Error ellipse: s-maj=5.7km s-min=1.6km mb3.5/6,07

ISC 01 01:02:35.3-1.2, 1.1N-101.915E, 0.1, h10km, n26, r=15/18, mb3.7/7, North Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNSI, BSI, MSLI, etc.

KRSC 01 01:29:46.3-0.9, 53.54N, 161.11E, h49km, 17km, ML3.6, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPN, MKZ, KIL, etc.

PRU 01 01:42:25.3, 43.84N, 177.09E, h0km CSEM 01 01:42:26.4, 0.2, 43.92N, 177.02E, h2km, ML2.6, Error ellipse: s-maj=5.1km s-min=3.0km az=47.0

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

ISCJB 01 01:43:25.8-0.3, 7.50S, 105.128E, 0.06, h150km, mb4.1/13, Error ellipse: s-maj=9.0km s-min=5.3km az=150.0

NEIC 01 01:43:26.4, 0.9, 7.47S, 128.82E, h141km, 11km, mb4.3/5, Error ellipse: s-maj=11.8km s-min=9.6km az=67.0

IDC 01 01:43:27.4-4.3, 7.57S, 128.85E, h145km, 44km, mb3.6/8, mb1 3.8/11, mb1mx3.5/46, mbmp4.2/11, Error ellipse: s-maj=37.3km s-min=18.1km az=56.0

ISC 01 01:43:28.6-0.6, 7.70S, 106.128E, 0.07, h150km, n33, r=23/39, mb4.1/13, Banda Sea

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

IBST	comp=E,5um,0.8s	e			02 53 51.9	ASHT	comp=Z,111nm,0.7s	pmax	pmax	KIV	comp=Z,490nm,10.0s	MLR	MLR			
IBST		e			02 54 28.5	ASHT	comp=Z,249nm,1.0s			KIV	Kislovodsk	13.84 334	ePn	Pn	02 53 05.9 +1.3	
IBST	comp=N,8um,1.0s	6.84 332	ePn	Pn	02 51 28.7 -0.2	ASHT	comp=Z,249nm,1.0s	8.72 43	P	Pn	Kislovodsk	13.84 334	eS	Pn	02 53 06.6 +2.0	
IKOO	Sostanabad	6.88 82	ePn	e	02 51 31.7 +2.2	ALNE	AI Ain	8.73 150	iP	Pn	KIV	comp=Z,51nm,1.1s	eS	Sn	02 55 43.6 +4.8	
IKOO	Kooshah		e		02 53 43.6	ALNE	AI Ain	8.73 150	eP	Pn	RMNI	Mount Aramon	13.90 270	Pn	Pn	02 53 05.2 -0.3
IKOO	comp=E,5um,0.5s		e		02 53 54.3	ALNE	AI Ain	8.73 150	eP	Pn	EIL	Eilat	13.91 266	Pn	Pn	02 53 54.0 +4.0
IKOO	comp=Z,5um,0.6s		e		02 53 57.7	ALNE	AI Ain	8.73 150	eP	Pn	EIL	comp=Z,1.1nm,0.3s,baz=66,slow=84,SNR=11	Lg	Lg	02 58 03.9	
IKOO	comp=N,4um,0.4s		e		02 51 31.7 +2.2	IMYA	Miami	8.89 56	ePn	Pn	EIL	comp=Z,0.5nm,0.3s,baz=225,slow=19,SNR=2.0	Pn	Pn	02 53 04.6 -1.0	
IKOO	Kooshah	6.88 82	ePn	Pn	02 51 34.3 -0.2	IMYA	comp=Z,2um,0.5s		e		IMBRI	Imberch	13.92 266	Pn	Pn	02 53 05.4 +0.3
SHME	Shamm	7.26 140	ePn	Pn	02 51 34.3 -0.2	IMYA	comp=N,4um,0.6s		e		WHFO	Wadi Hawf	13.97 169	P	Pn	02 53 08.0 +1.5
SHME	Shamm	7.26 140	ePn	Pn	02 51 35.5 +1.0	IMYA	comp=E,6um,0.9s		e		SOC	Sochi	14.79 326	eP	Pn	02 53 08.0 +1.5
SHME	Shamm	7.26 140	ePn	Pn	02 51 35.2 +0.5	IMYA	SOHO	8.89 56	ePn	Pn	SOC	Sochi		e	Pn	02 56 07.6
KHSK	Kohestak	7.27 131	ePn	Pn	02 55 36.1	IMYA	SOHO	9.03 145	iP	Pn	SOC	comp=Z,24nm,1.1s		pmax	pmax	
KHSK	comp=Z,99nm,2.2s		e		02 55 47.7	IMYA	SOHO	9.03 145	P	Pn	SOC	comp=Z,1um,12.0s	MLR	MLR		
KHSK	comp=E,99nm,2.2s		e		02 56 41.0	IMYA	SOHO	9.03 145	P	Pn	SOC	Sochi	14.79 326	eP	Pn	02 53 18.8 +1.3
KHSK	comp=N,99nm,1.8s		e		02 56 41.0	IMYA	SOHO	9.03 145	P	Pn	SOC	comp=Z,24nm,1.1s	eS	Sn	02 56 07.6 +5.7	
KHSH	Kohestak	7.27 131	ePn	Pn	02 51 35.2 +0.5	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UMQ	Umm Al-Quwin	7.43 145	iP	Pn	02 51 37.8 +1.0	SOHO	SNR=20		S	Sn	SOC	Sochi	14.79 326	eP	Pn	02 53 18.8 +1.3
BANOM	Banah	7.44 140	P	Pn	02 51 37.7 +0.7	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
BANOM	SNR=7.9		S	Sn	02 53 02.8 +0.9	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
BANOM	SNR=38		S	Sn	02 51 37.1 +0.1	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
BANOM	SNR=38		S	Sn	02 51 37.7 +0.7	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
BANOM	SNR=38		S	Sn	02 53 02.8 +0.9	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
BANOM	SNR=38		S	Sn	02 51 40.3 +2.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IMON	Monand	7.52 76	ePn	Pn	02 54 01.1	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IMON	comp=E,4um,0.4s		e		02 51 40.3 +2.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IMON	Monand	7.52 76	ePn	Pn	02 51 40.3 +2.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ITBZ	Tabriz	7.60 330	ePn	Pn	02 50 02.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ITBZ	comp=E,736nm,0.1s		ePn	Pn	02 51 40.5 +1.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ITBZ			e		02 54 10.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ITBZ	comp=Z,768nm,0.3s		e		02 59 36.5	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IDAH	Dahanechah	7.63 80	ePn	Pn	02 51 44.8 +5.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IDAH	comp=E,7um,0.5s		e		02 54 20.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IDAH			e		02 54 35.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IDAH	comp=Z,6um,0.7s		e		02 54 41.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IDAH	comp=N,8um,0.7s		e		02 51 44.8 +5.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IDAH	Dahanechah	7.63 80	ePn	Pn	02 51 44.8 +5.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MSFE	Esma-Masafi	7.82 143	iP	Pn	02 51 42.2 +0.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MSFE	Esma-Masafi	7.82 143	ePn	Pn	02 51 42.5 +0.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MSFE	Esma-Masafi	7.82 143	ePn	Pn	02 51 42.5 +0.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MSFE	Esma-Masafi	7.82 143	ePn	Pn	02 51 42.8 +0.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MSFE	Esma-Masafi	7.82 143	ePn	Pn	02 53 12.4 +1.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISHB	Shabestar	7.87 328	ePn	Pn	02 51 44.2 +1.1	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISHB	comp=Z,996nm,0.5s		e		02 52 37.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISHB	comp=N,2um,0.3s		e		02 53 46.9	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISHB	comp=E,3um,0.5s		e		02 54 16.4	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
NAZ	Nazwa, Dubai	7.89 147	P	Pn	02 51 45.0 +1.9	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
NAZ	SNR=103		S	Sn	02 53 14.0 +1.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
NAZ	Nazwa, Dubai	7.89 147	iP	Pn	02 51 43.8 +0.7	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
NAZ	Nazwa, Dubai	7.89 147	ePn	Pn	02 51 44.5 +1.4	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
NAZ	Nazwa, Dubai	7.89 147	ePn	Pn	02 51 43.8 +0.7	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
NAZ	Nazwa, Dubai	7.89 147	ePn	Pn	02 51 44.5 +1.4	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
NAZ	Nazwa, Dubai	7.89 147	ePn	Pn	02 53 14.0 +1.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISFR	Sfrayin	7.90 46	ePn	Pn	02 51 46.9 +3.4	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISFR	comp=N,3um,0.4s		e		02 51 58.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISFR	comp=Z,3um,0.3s		e		02 52 02.5	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISFR	comp=E,5um,0.5s		e		02 54 46.7	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ISFR	Sfrayin	7.90 46	ePn	Pn	02 51 46.9 +3.4	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MDH	Madha	7.94 142	iP	Pn	02 51 43.7 -0.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MDH	SNR=57		S	Sn	02 51 44.1 +0.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MDH	Madha	7.94 142	P	Pn	02 53 13.8 -0.4	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
MDH	SNR=10.0		S	Pb	02 51 58.1 -1.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IKRD	Kardeh	8.05 49	ePn	Pb	02 55 02.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IKRD	comp=Z,1um,0.5s		e		02 55 18.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IKRD	comp=E,1um,0.5s		e		02 55 31.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IKRD	comp=N,871nm,0.5s		e		02 55 31.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ASUD	Kardeh	8.05 49	ePn	Pb	02 51 58.1 -1.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ASUD	AI Ashush, Dub	8.05 150	P	Pn	02 51 47.6 +2.2	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ASUD	SNR=47		P	Pn	02 51 46.3 +0.9	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ASUD	AI Ashush, Dub	8.05 150	ePn	Pn	02 51 46.0 +0.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ASUD	AI Ashush, Dub	8.05 150	ePn	Pn	02 51 46.0 +0.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
ASUD	AI Ashush, Dub	8.05 150	ePn	Pn	02 51 46.3 +0.9	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IAKL	Akhelmad	8.10 51	ePn	Pn	02 51 51.4 +5.1	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IAKL	comp=Z,2um,0.8s		e		02 54 48.5	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IAKL	comp=N,2um,0.5s		e		02 54 51.8	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IAKL	comp=Z,2um,0.8s		e		02 54 52.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	Minazif	8.18 144	ePn	Pn	02 51 46.9 -0.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	comp=Z,2um,0.5s		eS	Sn	02 53 17.5 -2.7	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	Minazif	8.18 144	P	Pn	02 51 47.8 +0.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	SNR=34		S	Sn	02 53 18.6 -1.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	Minazif	8.18 144	iP	Pn	02 51 46.8 -0.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	SNR=19		S	Sn	02 51 46.8 -0.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	Minazif	8.18 144	ePn	Pn	02 51 46.9 -0.3	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	Minazif	8.18 144	P	Pn	02 51 47.8 +0.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	SNR=34		eS	Sn	02 53 17.5 -2.7	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
UOSS	SNR=34		S	Sn	02 53 18.6 -1.6	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IMOG	Moghan	8.24 56	ePn	Pn	02 51 49.2 +1.0	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IMOG	comp=Z,2um,0.7s		e		02 54 44.5	SOHO	SNR=20		S	Sn	SOC	comp=Z,1um,12.0s				
IMOG	comp=E,1um,0.5s		e		02 54 50.4	SOHO	SN									

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Table with columns for station name, frequency, power, and other technical details. Includes stations like BODT Bodrum, MNAS Manas, ANAF Anafi Island, etc.

Table with columns: STA, Name, Az, El, AzEl, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZEA, DBIC, DBIC, DBIC, DBIC, DBIC, KIC, TIC, LIC, CN2, TSUM, TSUM, SUMG, SUMG, SUMG, KLR, KS01, KS01, KS15, KSAR, KSAR, KSRS, KSRS, USRK, BOSB, BOSB, BOSB, SFJD, JNU, TYV, TYV, MA2, MA2, MA2, YSS, YSS, YSS, YSS, YSS, BILL, BILL, BILL, BILL, ASAJ, MJB9, MAJO, MAJO, MAJO, MAJO, MJAR, MJAR, RES, RES, RES, DAV, PETK, RDOG, SCHG, SCHG, INK, INK, INK, IM3, FYU, MLY, MDM, IL1, ILAR, ILAR, ILAR, ILAR, ILB, CCB, EGAK, CAST, MCK, MCK, TRF, SCRK, RIDG, SVW2, FCC, YKW3, YKA, YKA, YKA, SUA, PMR, PMR, PMR, RC01, BMRM.

Table with columns: STA, Name, Az, El, AzEl, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ, BRLK, LBNH, LBNH, OHAK, LONY, LONY, NWAO, DLBC, ULM, ULM, ULM, WRA, WRA, WRA, WRAB, WRAB, G40A, ASAR, ASAR, ASO1, MAW, MAW, MAW, NVAR, GQSA, GQSA, LPAZ, VNSA, TRQA, TRQA, NNC, WMQ, WMQ, WMQ, WMQ, MK31, MK31, MAK2, MAK2, MAK2, PDGK, PDGK, PDGK, JMA, ISCB, TAP, EGFG, EGFG, ESL, ESL, ENLB, ENLB, ENLB, HGS, HGS, HWA, EHY, TWD, TWD, YULB, YULB, YULB, VWD, VWD, TWFI, NACB, CHGB, CHGB, FULB, SSSL, SSSL, CHKT, CHKT, SMLT, SMLT, TW, TW, TDCB, TDCB, DPDB, DPDB, TYC, ELD, ELD, ENA, ENA, NANB, NANB, NNSB, NNSB.

Table with columns: STA, Name, Az, El, AzEl, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NNSB, NNSH, NNSH, NNS, ENAH, WJS, WJS, CHN5, WNT, WNT, STYT, WGT, WGT, ENTT, TWC, TPUB, TPUB, TWG, TWG, TWG, WTP, WTP, EOS1, EOS1, YHNB, YHNB, YHNB, NSK, NSK, NSK, CHN2, THW, THW, NSY, SLBB, CHY, NSTT, LIOB, TWK, TWK, CHN1, CHN1, SGST, SGST, PTBS, SLGT, NMLH, RLNB, ECL, SSS, TSD, MASBT, NWF, NWF, WFSB, JYNG, JYNG, EAST, YMO7, YOJ, YOJ, YOJ, SCZT, LAY, WDG, PHUB, PHUB, HATJ, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JTJ, JTJ.

ISCJB 01 03:25:18.0, 4.32, 17N, 0.02, 115:29W, 0.01, h3km, 2km, mb4, 5/7, MS4, 1/13, Error ellipse: s-maj=2.8km s-min=1.7km az=19.8
EC 01 03:25:20.8, 0.5, 32, 21N, 115:32W, h8km, MD4.5, MW4.7
GCMT 01 03:25:20.8, 0.5, 32, 23N, 115:37W, h18km, 1km, ML4.8, 6/69
Moment Tensor Solution, s9c9, s69, c96; Duration: 0
Moment tensor: Scale 10^16Nm; Mr=0.30t; 12;
Mw=1.39t; 10; Mw=1.69t; 10; Mw=0.73t; 26; Mw=1.19t; 10;
Mw=0.29t; 20; Best double couple: Mo2 10900; 10^16
NP1: 18.00000, 88.40000, -1.157, 0.00000; NP2:
0.25, 0.00000, 86.70000, -1.6, 0.00000; Principal axes: T
2.2030, Plg12.0000, Azm249.0000; N -0.1930,
Plg66.0000; Azm130.0000; P -2.0150, Plg20.0000;
Azm344.0000; nsta2 refers to nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s.
NEIC 01 03:25:20.8, 0.5, 32, 21N, 115:30W, h8km, mb4.5/103,
MD4.3(MEX), ML4.5(EXTC), MW4.6(PAS), Error ECX.
NEIC Felt [I] at Alberto Oviedo Mota and Mexicali and [II] at
Rosario and Tijuana. Also felt at Delta, Ensenada,
Guadalupe Victoria and Rosarito. Felt [I] at El Cajon and
[II] at Calexico, El Centro, La Jolla, Lakeside and San
Diego, California. Felt in much of southern California. Felt
[I] at Yuma and [II] at Somerton, Arizona. Also felt at San
Luis Rio Colorado, Sonora.
MEX 01 03:25:22.5, 0.4, 32, 30N, 115:30W, h8km, 7km, MD4.3
IDC 01 03:25:23.1, 0.9, 32, 40N, 114:91W, h0km, mb4, 1/10,
mb1 4, 3/17, mb1mx=0.62, mbmp4, 1/17, ML3.6, 6/MS4.0/19,
Ms=1 4, 0/19, ms1mx=3.8/56, Error ellipse: s-maj=18.1km
s-min=9.4km az=52.0
ISC 01 03:25:19.5, 0.6, 32, 22N, 0.02, 115:35W, 0.01, h3km, 4km,
n740, e1577/10, mb4.6/72, MS4.1/13, 10C-7D,
California-Baja California border region

Table with columns: Call Sign, Name, Power, Band, Mode, Frequency, and other details. Includes entries like CPBX Cerro Prieto, MBIG Mexicali, WESC Westside Schoo, etc.

Table with columns: Call Sign, Name, Power, Band, Mode, Frequency, and other details. Includes entries like DAC Mcpherson Peak, WUAZ Wupatki, TPVW Topopah Spring, etc.

Table with columns: Call Sign, Name, Power, Band, Mode, Frequency, and other details. Includes entries like Q24A Divide, MSTX Muleshoe, ISCO Idaho Springs, etc.

K42A	Prairie Point, baz=251	23.08	55	P	P	03 30 25.4 -0.8
Y47A	UCPARC Winfie baz=274,SNR=7.0	23.08	78	P	P	03 30 25.1 -1.2
ULM	Lac du Bonnet comp=N,1.3nm,0.4s,baz=221,slow=7.3,SNR=2.3	23.10	33	P	P	03 30 25.1 -1.2
ULM	LR					03 39 30.1
I41A	Arkdale comp=N,520nm,18.8s,baz=238,slow=37	23.17	52	P	P	03 30 26.7 -0.4
I41A	Arkdale baz=248	23.17	52	eP	P	03 30 28.1 +1.0
E38A	The Farm, Brul comp=N,16nm,0.9s	23.21	45	P	P	03 30 27.2 -0.3
E38A	The Farm, Brul baz=240	23.21	45	eP	P	03 30 28.5 +1.0
E38A	Westpoint comp=N,35nm,1.4s	23.25	75	P	S	03 34 39.0 -1.1
W47A	Don Dixon Farm baz=270,SNR=5.5	23.25	69	P	P	03 30 27.7 -0.3
S46A	Don Dixon Farm baz=265	23.25	69	P	P	03 30 27.8 -0.2
F39A	Loretta baz=242	23.27	47	P	P	03 30 27.9 -0.2
V47A	Nunnelly baz=269	23.31	73	P	P	03 30 29.0 +0.3
348A	Jackson comp=N,56nm,1.2s	23.31	85	P	P	03 30 28.7 0.0
348A	Jackson baz=279	23.31	85	eP	P	03 30 31.1 +2.5
L43A	Garden Prairie comp=N,56nm,1.2s	23.33	57	P	P	03 30 29.0 +0.3
248A	Dixon Mills baz=278	23.35	83	P	P	03 30 29.5 +0.4
Z48A	Northport baz=275,SNR=7.5	23.36	80	P	P	03 30 29.5 +0.3
J42A	Columbus baz=250,SNR=6.4	23.41	54	P	P	03 30 29.3 -0.3
N44A	Piper City baz=257	23.42	61	P	P	03 30 29.3 -0.3
148A	Greensboro baz=276	23.42	81	P	P	03 30 29.0 -0.8
G40A	Rib Lake baz=245,SNR=8.0	23.43	49	P	P	03 30 29.4 -0.5
G40A	Rib Lake comp=N,31nm,1.6s	23.43	49	eP	P	03 30 30.5 +0.7
R46A	Gibson Southern baz=264	23.46	67	P	P	03 30 29.8 -0.3
P45A	Graceland, Par comp=N,28nm,1.1s	23.47	64	P	P	03 30 29.9 -0.2
P45A	Graceland, Par baz=269	23.47	64	eP	P	03 30 31.9 +1.7
U47A	Clarksville baz=268	23.51	72	P	P	03 30 30.2 -0.5
H41A	Junction City comp=N,1.1nm,0.8s,baz=270,slow=20,SNR=2.6	23.52	51	P	P	03 30 30.5 -0.2
O45A	Potomac baz=247	23.61	62	P	P	03 30 31.4 -0.1
M44A	Midewin, Midew baz=256	23.62	59	P	P	03 30 31.4 -0.2
Y48A	Jasper baz=274	23.65	78	P	P	03 30 31.6 -0.4
T47A	Sharon Grove baz=267	23.68	71	P	P	03 30 32.3 -0.1
T47A	Sharon Grove comp=N,17nm,1.2s	23.68	71	eP	P	03 30 34.8 +2.5
E39A	Mellen baz=242	23.71	46	P	P	03 30 31.9 -0.6
X48A	Hartselle baz=273	23.72	77	P	P	03 30 32.2 -0.5
X48A	Hartselle comp=N,25nm,1.4s	23.72	77	eP	P	03 30 32.9 +0.1
I42A	Draeger Farm, baz=249	23.75	53	P	P	03 30 32.5 -0.4
I42A	Draeger Farm, baz=253	23.75	53	eP	P	03 30 34.2 +1.3
F40A	Park Falls comp=N,16nm,1.1s	23.77	48	P	P	03 30 32.4 -0.6
K43A	Burlington baz=244	23.77	56	P	P	03 30 32.7 -0.4
W48A	Pulaski baz=253	23.79	75	P	P	03 30 33.0 -0.4
LRAL	Lakeview Retre baz=271	23.85	80	P	P	03 30 33.4 -0.7
LRAL	Lakeview Retre comp=N,276,SNR=6.7	23.86	80	eP	P	03 30 35.2 +1.1
V48A	Smith Brothers baz=270	23.88	74	P	P	03 30 34.0 -0.2
V48A	Smith Brothers comp=N,34nm,1.8s	23.88	74	eP	P	03 30 35.4 +1.2
249A	Camden baz=278	23.89	83	P	P	03 30 33.9 -0.4
P46A	Rosedale baz=261	23.89	64	P	P	03 30 34.1 -0.2
J43A	Natural Harves baz=251	23.92	55	P	P	03 30 34.0 -0.5
L44A	Lake County Fo baz=254	23.92	58	P	P	03 30 34.8 +0.2
349A	Repton baz=290	23.92	85	P	P	03 30 35.0 +0.4
C38A	Sawbill Land, baz=238,SNR=5.8	23.94	43	P	P	03 30 33.7 -1.1
449A	Pace baz=281	24.01	86	P	P	03 30 34.2 -1.3
G41A	Antigo baz=246	24.07	50	P	P	03 30 35.5 -0.4
BRAL	Brewton baz=280	24.07	85	P	P	03 30 35.3 -0.8
BRAL	Brewton baz=277,SNR=5.6	24.07	85	eP	P	03 30 35.6 -0.5
149A	Jones baz=277,SNR=5.6	24.08	81	P	P	03 30 36.0 -0.2
SFIN	Lafayette comp=N,1.2nm,1.0s	24.11	62	eP	P	03 30 38.4 +2.1
U48A	Cassie Pea, Po baz=268	24.12	72	P	P	03 30 36.2 -0.3
E40A	Wakefield baz=240	24.14	47	P	P	03 30 36.6 0.0
H42A	Shiocton comp=N,20nm,1.1s	24.23	52	eP	P	03 30 38.8 +1.3
Z49A	Columbiana baz=277	24.24	80	eS	S	03 34 59.9 +3.4
R47A	Wooly Knot Far baz=264	24.24	67	P	P	03 30 36.0 -1.7
T48A	Bowling Green baz=267	24.26	70	P	P	03 30 36.2 -1.6
I43A	Langefeld Bro baz=250	24.27	54	P	P	03 30 36.3 -1.5
Y49A	Blount Mountai baz=274	24.28	78	P	P	03 30 37.0 -1.1
X49A	Woodville baz=273	24.31	77	P	P	03 30 37.4 -0.9
F41A	Three Lakes comp=N,11nm,1.3s	24.33	49	eP	P	03 30 39.8 +1.4
W49A	Belviders baz=272,SNR=11	24.34	75	P	P	03 30 36.8 -1.8
B40A	Bloomington comp=N,12nm,0.9s	24.35	65	eP	P	03 30 40.2 +1.6
Q47A	Bedord North L baz=263	24.39	66	P	P	03 30 37.6 -1.4
FFC	Flin Flon comp=N,33nm,1.8s	24.42	19	eP	P	03 30 40.3 +1.3
WCI	Wyandotte Cave baz=265	24.42	68	P	P	03 30 38.1 -1.2
WCI	Wyandotte Cave comp=N,24nm,1.1s	24.42	68	eP	P	03 30 38.5 -0.8
COWI	Conover comp=N,9.1nm,1.0s	24.46	48	eP	P	03 30 40.3 +0.7
N46A	Monticello baz=258	24.48	61	P	P	03 30 38.6 -1.2
S48A	Wiedeman Farm, baz=266	24.56	69	P	P	03 30 38.6 -2.0
G42A	Mountain baz=247	24.57	50	P	P	03 30 39.2 -1.3
SWET	Sewanee baz=271	24.61	75	eP	P	03 30 41.9 +0.9
V49A	McMinnville comp=N,23nm,1.3s	24.62	74	P	P	03 30 39.7 -1.5
C39A	Grand Marais baz=240	24.66	43	P	P	03 30 40.6 -0.7
H43A	Windswept, Lux baz=250	24.72	52	P	P	03 30 40.6 -1.3
150A	Eclectic baz=277,SNR=9.7	24.73	81	P	P	03 30 41.8 -0.3
E41A	Kenton baz=244	24.73	47	P	P	03 30 41.0 -0.8
U49A	Red Boiling Sp baz=269	24.73	72	P	P	03 30 40.8 -1.3

Z50A	Ashland baz=276,SNR=10	24.74	80	P	P	03 30 41.7 -0.5
Y50A	Piedmont	24.84	78	P	P	03 30 42.7 -0.4
X50B	Fort Wayne baz=273,SNR=6.2	24.87	77	P	P	03 30 42.4 -1.0
T49A	Edmonton baz=268	24.95	70	P	P	03 30 43.8 -0.3
G43A	Wallace baz=244	25.06	51	P	P	03 30 45.1 +0.1
W50A	Signal Mountai baz=272	25.12	75	P	P	03 30 45.7 +0.1
D41A	Chassel baz=244	25.24	46	P	P	03 30 47.0 +0.4
351A	Pinckard baz=280	25.28	84	P	P	03 30 47.0 -0.1
V50A	Pikeville baz=271	25.28	74	P	P	03 30 46.8 -0.3
C40A	La Royale Na baz=248	25.28	44	P	P	03 30 47.4 +0.5
251A	Midway baz=241	25.31	82	P	P	03 30 46.5 -0.8
151A	Midway baz=278,SNR=12	25.32	81	P	P	03 30 47.5 0.0
Z51A	Franklin baz=276	25.36	79	P	P	03 30 47.0 -0.8
Y51A	Rockmart baz=275	25.39	78	P	P	03 30 48.5 +0.4
X51A	Calhoun baz=273,SNR=5.4	25.52	76	P	P	03 30 48.5 -0.8
CPCT	Cooper Cave comp=N,20nm,1.1s	25.75	74	eP	P	03 30 52.5 +1.1
152A	Waverly Hall baz=277	25.81	81	P	P	03 30 52.0 +0.1
152A	Waverly Hall comp=N,15nm,1.1s	25.81	81	eP	P	03 30 52.6 +0.7
352A	Blakely baz=280	25.81	83	P	P	03 30 52.1 +0.2
352A	Blakely comp=N,27nm,1.2s	25.81	83	eP	P	03 30 52.7 +0.8
V51A	Loudon baz=271	25.89	74	P	P	03 30 52.4 -0.2
V51A	Loudon comp=N,29nm,1.4s	25.89	74	eP	P	03 30 53.1 +0.5
Z52A	Williamson baz=276	26.00	79	P	P	03 30 53.2 -0.4
Y52A	Lilburn baz=275	26.02	78	P	P	03 30 55.6 0.0
Y52A	Lilburn comp=N,13nm,1.3s	26.23	78	eP	P	03 30 56.5 +0.8
X52A	Dahlonega baz=274	26.31	76	P	P	03 30 55.4 -1.1
TKL	Tuckaleechee C comp=N,1.6nm,0.8s,baz=270,slow=20,SNR=2.6	26.36	74	P	P	03 30 58.0 +1.2
TKL	comp=N,718nm,19.2s,baz=336,slow=38					03 42 01.6
P53A	Americus baz=279	26.39	82	P	P	03 30 57.1 0.0
P50A	Janestown baz=264	26.50	65	P	P	03 30 58.2 +0.1
V52A	Sevierville baz=271	26.50	73	P	P	03 30 58.1 -0.1
TZTN	Tazewell baz=275	26.53	72	P	P	03 30 58.4 +0.1
Y53A	Monroe baz=275	26.62	78	P	P	03 30 59.4 +0.1
F45A	CMU Biological baz=260	26.64	51	P	P	03 30 58.3 -0.9
O50A	Cable baz=263	26.70	64	P	P	03 30 59.7 -0.2
GOGA	Godfrey baz=276	26.77	79	P	P	03 31 00.4 -0.1
W53A	Estanolee baz=274	26.80	76	P	P	03 31 00.6 -0.3
X53A	Cullowhee baz=273	26.88	75	P	P	03 31 01.7 +0.1
T52A	Hall baz=269	26.98	71	P	P	03 31 01.5 -1.0
454A	Quitman baz=282	27.05	85	P	P	03 31 02.7 -0.4
BG3	Lake Jocassee comp=N,20nm,1.1s	27.07	75	eP	P	03 31 05.0 +1.7
254A	Abbeville baz=279	27.11	82	P	P	03 31 03.1 -0.5
N50A	Nevada baz=262	27.14	63	P	P	03 31 02.9 -0.9
V53A	Saluda baz=272	27.14	74	P	P	03 31 03.2 -0.8
154A	Montrose baz=278	27.16	80	P	P	03 31 03.7 -0.4
ACSO	Alum Creek Sta baz=263	27.19	64	P	P	03 31 03.9 -0.4
ACSO	Alum Creek Sta comp=N,4.2nm,0.5s	27.19	64	eP	P	03 31 04.4 +0.1
Z54A	Sparta baz=277	27.31	79	P	P	03 31 05.1 -0.3
U53A	Fall Branch baz=271	27.31	72	P	P	03 31 04.2 -1.3
Y54A	Tignall baz=276	27.37	78	P	P	03 31 06.0 +0.1
155A	Kite baz=278	27.70	80	P	P	03 31 08.3 -0.7
255A	Hazlehurst baz=278	27.80	82	P	P	03 31 09.5 -0.3
Z55A	Blythe baz=277	27.89	79	P	P	03 31 10.4 -0.3
DLBC	Dease Lake comp=N,4.9nm,0.9s,baz=177,slow=7,SNR=8.4	28.05	344	P	P	03 31 14.1 +2.2
DLBC	comp=N,352nm,19.7s,baz=212,slow=38					03 43 12.1
DLBC	Dease Lake comp=N,8.2nm,1.0s	28.05	344	eP	P	03 31 13.3 +1.4
356A	Blackshear baz=281	28.19	83	P	P	03 31 11.8 -1.5
KMCS	Kings Mountain baz=274	28.37	75	P	P	03 31 14.0 -1.0
BLA	Blacksburg baz=271	29.03	70	P	P	03 31 21.1 +0.2
N54A	Moraine State baz=264	29.54	63	P	P	03 31 21.1 -1.1
ERPA	Erie comp=N,262	29.67	60	P	P	03 31 26.2 -0.2
M54A	Oil Creek Stat baz=264	29.84	62	P	P	03 31 27.9 0.0
YKA	Yellowknife Ar comp=N,0.4nm,0.6s,baz=183,slow=9.1,SNR=2.7	30.30	1	P	P	03 31 34.1 +2.5
O56A	Blk Knob Stat baz=266	30.56	64	P	P	03 31 34.4 +0.1
060A	Indiantown baz=288	30.76	91	P	P	03 31 35.8 -0.3
SSPA	Standing Stone baz=266	31.10	64	P	P	03 31 39.3 +0.2
CNCC	Cliffs of the baz=275	31.18	74	P	P	03 31 40.5 +0.8
BINY	Binghamton baz=265	32.64	61	P	P	03 31 52.9 +0.3
N59A	State Game Lan baz=267	32.72	63	P	P	03 31 53.6 +0.3
LONY	Lake Ozonia baz=263	33.91	57	P	P	03 32 03.5 -0.1
PAL	Palisades baz=269	34.13	63	P	P	03 32 04.3 -1.2
DAWY	Dawson comp=N,11nm,1.4s	35.22	342	eP	P	03 32 15.2 +0.4
HRV	Adam Dzewonski baz=268	35.94	61	P	P	03 32 19.9 -1.2
KDKA	Kodiak Island baz=266	35.95	326	P	P	03 32 26.9 +5.9
EGAK	Eastport comp=N,4.2nm,1.0s,baz=120,slow=8.1,SNR=3.2	36.26	342	eP	P	03 32 25.0 +1.4
SCRK	Sand Creek baz=271	36.46	339	eP	P	03 32 28.3 +2.8
PMR	Palmer comp=N,9.1nm,1.1s	36.59	334	eP	P	03 32 29.1 +2.6
INK	Inuvik comp=N,7.5nm,1.1s	37.63	349	eP	P	03 32 35.4 +0.2
PKME	Peaks-Kenny Pt baz=266	37.71	56	P	P	03 32 34.8 -1.5
MCK	McKinley comp=N,11nm,1.1s	37.88</				

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2012 JUL

Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like KIV Kislodovsk, FAKI Kuril'sk, and various international stations.

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Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like ANAF Anafi Island, AREO ARCESS Array S, and various international stations.

IMMV	Iera Moni Meta	60.56 298	P	P	04 23 57.5 +0.9
IMMV	Iera Moni Meta	60.56 298	P	P	04 23 54.6 -2.0
IMMV	Iera Moni Meta	60.56 298	P	P	04 23 57.8 +1.2
GVDs	Gavdos	60.60 297	P	P	04 23 56.4 -0.4
GVDs	Gavdos	60.60 297	P	P	04 23 56.4 -0.4
GVD	Gavdos	60.60 297	P	P	04 23 56.4 -0.4
GVD	Gavdos	60.60 297	P	P	04 23 55.8 -1.1
FYTO	Fytokos, Volos	60.62 302	P	P	04 23 54.6 -2.3
FYTO	Fytokos, Volos	60.62 302	P	P	04 23 54.6 -2.3
BZS	Buzias	60.63 310	iP	P	04 23 58.6 +1.7
MĐVR	Moldovita	60.67 309	iP	P	04 23 58.6 +1.7
GRG	Griva	60.73 304	P	P	04 23 56.1 -1.8
GRG	Griva	60.73 304	P	P	04 23 56.1 -1.8
GRG	Griva	60.73 304	P	P	04 23 56.1 -1.8
STIP	Stip	60.80 305	eP	P	04 23 55.6 -2.4
STIP	Stip	60.80 305	eP	P	04 24 11.7 -1.7
KRNDI	Kranidit	60.83 300	eP	P	04 23 57.7 +0.7
LIT	Litohoron	60.84 303	eP	P	04 23 59.3 +0.9
LIT	Litohoron	60.84 303	eP	P	04 23 57.7 +0.7
LIT	Litohoron	60.84 303	eP	P	04 23 59.3 +0.9
LIT	Litohoron	60.84 303	eP	P	04 23 59.3 +0.9
LTK	Loutraki	60.85 301	P	P	04 23 56.3 -2.2
LTK	Loutraki	60.85 301	P	P	04 23 56.3 -2.2
LOUT	Loutraki	60.85 301	P	P	04 23 56.3 -2.2
KECS	Kecevo	61.04 313	eP	P	04 23 52.5 -6.0
KECS	Kecevo	61.04 313	eP	P	04 24 13.7 -1.2
KECS	Kecevo	61.04 313	eP	P	04 24 15.2
NIE	Niedzica	61.05 314	e	P	04 24 00.7 +0.9
NIE	Niedzica	61.05 314	e	P	04 24 15.3 +0.2
NIE	Niedzica	61.05 314	e	P	04 32 12.3 -2.1
NIE	Niedzica	61.05 314	e	P	04 24 07.7 +0.9
NIE	Niedzica	61.05 314	e	P	04 24 15.3 +0.2
NIE	Niedzica	61.05 314	e	P	04 32 12.3 -2.1
DSF	Desfina	61.12 301	P	P	04 23 58.7 -1.7
DSF	Desfina	61.12 301	P	P	04 23 58.7 -1.7
VLI	Veliai	61.13 299	P	P	04 23 57.9 -2.5
VLI	Veliai	61.13 299	P	P	04 23 57.9 -2.5
AGG	Agios Georgios	61.15 302	P	P	04 23 58.5 -2.1
KJHC	Kythira	61.17 299	P	P	04 23 55.7 -5.0
OTHR	Ojcow	61.29 315	eP	P	04 24 02.4 +1.1
OJC	Ojcow	61.29 315	eP	P	04 24 16.0 -0.6
OJC	Ojcow	61.29 315	eP	P	04 32 14.4 -2.9
OJC	Ojcow	61.29 315	eP	P	04 24 02.4 +1.1
OJC	Ojcow	61.29 315	eP	P	04 24 02.4 +1.1
THC	Klokotos Trika	61.30 303	P	P	04 24 00.5 -1.4
TRO	Tromso	61.30 337	eP	P	04 24 01.4 +0.5
TRO	Tromso	61.30 337	eP	P	04 24 03.1
KZN	Kozani	61.34 304	P	P	04 24 00.5 -1.4
KZN	Kozani	61.34 304	P	P	04 24 00.5 -1.4
KZN	Kozani	61.34 304	P	P	04 24 00.5 -1.4
GUR	Goura	61.35 301	P	P	04 24 00.5 -1.6
GUR	Goura	61.35 301	P	P	04 24 00.5 -1.6
VIX	Vlachokerasia	61.44 300	P	P	04 23 57.3 -5.3
VIX	Vlachokerasia	61.44 300	P	P	04 23 57.3 -5.3
TRIZ	Trizonia	61.48 301	P	P	04 24 00.3 -1.6
KLK	Kalavryta, Ach	61.48 301	P	P	04 24 01.3 -1.6
KLK	Kalavryta, Ach	61.48 301	P	P	04 24 01.3 -1.6
SERG	Sergoula	61.48 301	P	P	04 24 00.9 -1.9
TRIP	Tripoli	61.49 300	P	P	04 24 00.5 -2.4
KMBO	Klimi Mbogo	61.49 254	P	P	04 24 19.2 +1.6
PSZ	Piszkesteto	61.50 312	iP	P	04 24 04.2 +1.4
PSZ	Piszkesteto	61.50 312	iP	P	04 24 03.8 +0.9
ANX	Ano Chora	61.55 302	P	P	04 24 01.5 -1.9
FNA	Florina	61.55 304	eP	P	04 24 02.7 -0.6
FNA	Florina	61.55 304	eP	P	04 24 01.8 -1.5
FNA	Florina	61.55 304	eP	P	04 24 02.7 -0.6
FNA	Florina	61.55 304	eP	P	04 24 01.8 -1.5
FNA	Florina	61.55 304	eP	P	04 24 02.7 -0.6
EVR	Ervrytania	61.57 302	P	P	04 24 01.9 -1.6
EVR	Ervrytania	61.57 302	P	P	04 24 01.9 -1.6
LAKA	Lakka	61.57 301	P	P	04 24 02.2 -1.2
LAKA	Lakka	61.57 301	P	P	04 24 02.2 -1.2
EPF	Epalio	61.59 301	P	P	04 24 01.9 -1.6
DYR	Agios Nikonas	61.60 300	P	P	04 24 02.3 -1.3
LANS	Liptovska Anna	61.63 314	eP	P	04 24 06.4 +2.8
LANS	Liptovska Anna	61.63 314	eP	P	04 24 06.4 +2.8
LANS	Liptovska Anna	61.63 314	eP	P	04 24 03.3 -1.1
KPRO	Kipourio	61.72 303	P	P	04 24 04.8 -0.1
PMG	Port Moresby	61.76 117	P	P	04 24 04.8 -0.1
PMG	Port Moresby	61.76 117	P	P	04 24 04.8 -0.1
PMG	Port Moresby	61.76 117	P	P	04 24 04.8 -0.1
PMG	Port Moresby	61.76 117	P	P	04 24 04.8 -0.1
ITM	Ithomi	61.83 300	P	P	04 24 03.9 -1.3
DRO	Drossia	61.84 301	P	P	04 24 04.4 -0.8
PVO	Paravolia	61.85 302	P	P	04 24 04.0 -1.2
NEST	Nestorio	61.87 304	P	P	04 24 03.3 -2.2
AMT	Artemida-Makis	61.93 301	P	P	04 24 03.9 -1.4
AS31	Alice Springs	61.96 139	eP	P	04 24 05.7 -0.4
ASAR	Alice Springs	61.96 139	eP	P	04 24 05.8 -0.3
ASAR	Alice Springs	61.96 139	eP	P	04 53 23.8
ASAR	Alice Springs	61.96 139	eP	P	04 54 24.7
ASAR	Alice Springs	61.96 139	eP	P	05 01 07.3
ASO1	Alice Springs	61.99 139	eP	P	04 24 05.1 -1.2
DIVS	Divibare	62.00 308	eP	P	04 24 06.1 -0.2
RLS	Riolos of Patr	62.01 301	P	P	04 24 05.4 -0.9
RLS	Riolos of Patr	62.01 301	P	P	04 24 05.4 -0.9
PYL	PYLOS	62.03 300	P	P	04 24 04.7 -1.8
PYL	PYLOS	62.03 300	P	P	04 24 04.7 -1.8
NWAO	Narrogin (SRO)	62.03 159	eP	P	04 24 04.9 -1.4
NWAO	Narrogin (SRO)	62.03 159	eP	P	04 53 28.2
NWAO	Narrogin (SRO)	62.03 159	eP	P	04 24 05.4 -1.0
NWAO	Narrogin (SRO)	62.03 159	eP	P	04 24 05.4 -1.0
DSL	Diala	62.08 302	P	P	04 24 06.1 -0.7
DSL	Diala	62.08 302	P	P	04 24 06.1 -0.7
PDO	Prodromos	62.12 302	P	P	04 24 05.1 -1.9
VYHS	Vyhne	62.13 313	eP	P	04 24 07.9 +0.9
VYHS	Vyhne	62.13 313	eP	P	04 24 21.9
VYHS	Vyhne	62.13 313	eP	P	04 24 07.9 +0.9
VYHS	Vyhne	62.13 313	eP	P	04 24 21.9
VYHS	Vyhne	62.13 313	eP	P	04 24 21.9
IVA	Berane	62.27 307	iP	P	04 24 07.6 -0.5
PVY	Plav	62.28 306	iP	P	04 24 07.7 -0.5
OKC	Ostrava-Krasne	62.39 315	eP	P	04 24 09.7 +1.0
OKC	Ostrava-Krasne	62.39 315	eP	P	04 24 24.9 +0.9
OKC	Ostrava-Krasne	62.39 315	eP	P	04 32 55.4 +2.0
OKC	Ostrava-Krasne	62.39 315	eP	P	04 24 09.7 +1.0
OKC	Ostrava-Krasne	62.39 315	eP	P	04 24 24.9 +0.9
OKC	Ostrava-Krasne	62.39 315	eP	P	04 32 29.1 -2.1
OKC	Ostrava-Krasne	62.39 315	eP	P	04 32 55.4
LKD2	Lefkada island	62.48 302	P	P	04 24 07.4 -2.1
LKD2	Lefkada island	62.48 302	P	P	04 24 07.4 -2.1
KFL	Annata	62.52 301	P	P	04 24 07.1 -2.6
SROZ	Moca	62.52 312	eP	P	04 24 09.6 0.0
SROZ	Moca	62.52 312	eP	P	04 24 09.6 0.0
SROZ	Moca	62.52 312	eP	P	04 24 09.7 -0.9
SROZ	Moca	62.52 312	eP	P	04 24 09.7 -0.9
SROZ	Moca	62.52 312	eP	P	04 24 09.7 -0.9
KOME	Kolasin	62.55 307	iP	P	04 24 10.0 -0.1
PLE	Pljevlja	62.56 307	iP	P	04 24 08.7 -1.4
IGT	Igoumenitsa	62.58 303	P	P	04 24 08.7 -1.4
IGT	Igoumenitsa	62.58 303	P	P	04 24 08.7 -1.4
IGT	Igoumenitsa	62.58 303	P	P	04 24 10.4 +0.7
IGT	Igoumenitsa	62.58 303	P	P	04 24 10.4 +0.7
IGT	Igoumenitsa	62.58 303	P	P	04 24 11.4
STEI	Steigen	62.59 335	eP	P	04 24 11.4
STEI	Steigen	62.59 335	eP	P	04 24 11.4
FSK	Fiskardo	62.62 302	P	P	04 24 07.7 -2.7

SGD	Sagiada	62.63 303	P	P	04 24 08.5 -2.0
VLS	Valsamata	62.66 301	P	P	04 24 08.9 -1.8
VLS	Valsamata	62.66 301	P	P	04 24 08.9 -1.8
VLS	Valsamata	62.66 301	P	P	04 24 08.9 -1.8
SPAO	Spitsbergen Ar	62.73 347	eP	P	04 24 11.9 +1.2
SPAO	Spitsbergen Ar	62.73 347	eP	P	04 24 12.7
SPAO	Spitsbergen Ar	62.73 347	eP	P	04 24 10.7 +0.2
SPAO	Spitsbergen Ar	62.73 347	eP	P	04 54 18.3
SPAO	Spitsbergen Ar	62.73 347	eP	P	04 54 18.3
PDG	Podgorica	62.82 306	iP	P	04 24 12.0 +0.4
PDG	Podgorica	62.82 306	iP	P	04 24 10.2 -1.4
TTG	Podgorica	62.82 306	eP	P	04 24 10.8 -0.8
TTG	Podgorica	62.82 306	eP	P	04 24 11.1 -0.5
TTG	Podgorica	62.82 306	eP	P	04 24 11.1 -0.5
JAVC	Velka Javorina	62.84 314	eP	P	04 24 13.4 +1.6
JAVC	Velka Javorina	62.84 314	eP	P	04 24 27.6 +0.5
ULC	Ulcinj	62.91 306	eP	P	04 24 11.5 -0.8
DRME	Dracevica, Mon	62.91 306	eP	P	04 24 11.8 -0.5
UPM	Unac-Piva	62.93 307	eP	P	04 24 12.2 -0.4
NKY	Niksic	62.94 307	eP	P	04 24 10.1 -0.1
KEK	Kerika	62.94 303	P	P	04 24 10.6 -1.9
KEK	Kerika	62.94 303	P	P	04 24 10.6 -1.9
MORR	Moi Rana	62.95 333	eP	P	04 24 12.3 +0.2
MORR	Moi Rana	62.95 333	eP	P	04 24 13.4
NIKSIC	Niksic	62.97 307	eP	P	04 24 12.3 -0.5
CEME	Cevo	63.04 307	eP	P	04 24 12.7 -0.5
BUM	Brajci-Budva	63.10 306	eP	P	04 24 13.1 -0.6
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	63.17 313	eP	P	04 33 07.7 -2.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 15.3 +1.4
MODS	Modra-Piesok	63.17 313	eP	P	04 24 29.0
MODS	Modra-Piesok	6			

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like NLAI, MTN, MTN, KDU, FAKI, etc.

Table with columns: LPAZ, Station Name, Frequency, Mode, and other parameters. Includes stations like Cerro Prieto, Cerro Bola, Cerro Bola, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like GTK, TAPN, TAPN, ODAN, etc.

1d 6h

Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes entries like PSUT Pine Spring, NV11 Mina Array Sit, NV01 Mina Array Sit, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes entries like ABTX Abilene, Hawley, Dillon, Junction City, JCT Junction City, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes entries like K36A Gilmore City, 342A Flagon Creek P, 342A Flagon Creek P, etc.

F36A	Milaca	21.65	45	P	P	06 40 57.5 +0.3
F36A	Milaca	21.65	45	eP	P	06 41 00.4 +3.1
Y45A	Yeager Farm, C	21.65	79	P	P	06 40 58.3 +1.0
T44A	Benton	21.69	70	P	P	06 40 57.3 -0.4
OXF	Oxford	21.74	77	P	P	06 40 57.3 -1.0
OXF	Oxford	21.74	77	eP	P	06 40 59.8 +1.4
X45A	UM Field Stati	21.76	77	P	P	06 40 57.6 -0.9
SPMN	Marine on St.	21.77	47	P	P	06 40 58.9 +0.4
SPMN	Marine on St.	21.77	47	eP	P	06 41 00.3 +1.8
AGMN	Agassiz Nation	21.79	37	P	P	06 40 59.4 +0.7
AGMN	Agassiz Nation	21.79	37	eP	P	06 41 00.0 +1.3
M41A	Milan	21.79	58	P	P	06 40 59.3 +0.5
K40A	Colesburg	21.80	54	P	P	06 40 58.5 -0.4
U44B	Burton Farm, H	21.82	72	P	P	06 40 59.1 -0.1
Q43A	New Douglas	21.85	65	P	P	06 40 59.7 +0.2
W45A	Hickory Valley	21.92	75	P	P	06 41 00.1 -0.1
346A	Big Creek Wild	21.97	85	P	P	06 41 00.8 0.0
346A	Big Creek Wild	21.97	85	eP	P	06 41 03.2 +2.4
I39A	Houston	21.98	51	P	P	06 41 00.1 -0.7
I39A	Houston	21.98	51	eP	P	06 41 05.3 +4.5
N42A	Yates City	22.01	60	P	P	06 41 00.8 -0.3
S44A	Carbondale	22.02	68	P	P	06 41 00.5 -0.8
L41A	Preston	22.03	56	P	P	06 41 01.1 -0.3
BBB	Bella Bella	22.05	339	LR	LR	06 50 09.5
SIUC	Southern Illin	22.05	68	eP	P	06 41 02.4 +0.8
146A	Union	22.15	82	eP	P	06 41 05.0 +2.2
E36A	McGregor	22.16	43	P	P	06 41 02.1 -0.6
Z46A	Louisville	22.20	80	P	P	06 41 03.1 -0.2
Y46A	Houston	22.22	78	P	P	06 41 03.4 -0.1
R44A	Waltoville	22.22	67	P	P	06 41 02.6 -0.9
J40A	Soldiers Grove	22.32	53	P	P	06 41 04.2 -0.3
G38A	Ridgeland	22.33	48	P	P	06 41 04.7 +0.1
Q44A	Meyer Farm, Va	22.37	65	P	P	06 41 05.0 -0.1
C35A	Jirik Farms, M	22.41	40	P	P	06 41 05.1 -0.4
X46A	Booneville	22.42	77	P	P	06 41 05.4 -0.3
A33A	Warroad	22.44	36	P	P	06 41 06.4 +0.7
H39A	Augusta	22.48	49	P	P	06 41 06.0 -0.2
JFWS	Jewell Farm	22.49	54	P	P	06 41 06.9 +0.7
JFWS	Jewell Farm	22.49	54	eP	P	06 41 08.1 +1.8
HDIL	Hopedale	22.49	61	P	P	06 41 05.9 -0.4
HDIL	Hopedale	22.49	61	eP	P	06 41 06.2 0.0
B34A	Aery, Baudette	22.53	38	P	P	06 41 07.3 +0.6
S45A	Carrier Mills	22.55	69	P	P	06 41 06.8 -0.1
D36A	Goodland	22.57	42	P	P	06 41 07.9 +0.8
D36A	Goodland	22.57	42	eP	P	06 41 07.9 +0.8
W46A	Michie	22.58	75	P	P	06 41 07.5 +0.2
I40A	Norwalk	22.59	52	P	P	06 41 07.9 +0.5
247A	Quitman	22.60	83	P	P	06 41 08.6 +1.1
L42A	Oliver, Polo	22.60	57	P	P	06 41 07.9 +0.4
F38A	Pierce - Schro	22.69	46	P	P	06 41 08.8 +0.4
347A	Saraland	22.75	85	P	P	06 41 09.3 +0.2
P44A	Sand Creek, Wi	22.77	64	P	P	06 41 09.2 -0.1
V46A	Holladay	22.80	73	P	P	06 41 09.9 +0.2
J41A	Loganville	22.80	54	P	P	06 41 09.7 +0.1
147A	Livingston	22.81	82	P	P	06 41 10.1 +0.4
147A	Livingston	22.81	82	eP	P	06 41 11.5 +1.7
G39A	Holcombe	22.82	48	P	P	06 41 09.3 -0.5
PLAL	Pickwick Lake	22.83	76	eP	P	06 41 10.8 +0.8
R45A	Skylar, Fairri	22.85	67	P	P	06 41 10.3 +0.1
Z47A	Carrollton	22.93	80	P	P	06 41 11.0 0.0
B35A	Bob, Littlefor	22.94	39	P	P	06 41 13.0 +2.0
M43A	Waltham Townsh	22.95	59	P	P	06 41 11.8 +0.7
D37A	Cotton	22.98	43	P	P	06 41 11.9 +0.9
Q44A	Mansfield	23.02	62	P	P	06 41 11.5 -0.3
X47A	Russellville	23.02	77	P	P	06 41 12.6 +0.6
H40A	Chili	23.03	50	P	P	06 41 12.4 +0.4
Q45A	Warren Harvey,	23.03	66	P	P	06 41 11.1 -1.0
T46A	Princeton	23.04	70	P	P	06 41 12.3 +0.2
WVT	Waverly	23.04	73	P	P	06 41 12.8 +0.6
WVT	Waverly	23.04	73	eP	P	06 41 13.7 +1.5
OLIL	Olney	23.05	66	eP	P	06 41 13.1 +0.9
Y47A	UCPARC, Winfie	23.06	78	P	P	06 41 12.1 -0.2
K42A	Prairie Point,	23.07	55	P	P	06 41 12.6 +0.2
C36A	Pine Crest Far	23.07	41	P	P	06 41 12.6 +0.2
ULM	Lac du Bonnet	23.10	33	LR	LR	06 51 47.7
I41A	Arkdale	23.16	52	P	P	06 41 14.0 +0.8
I41A	Arkdale	23.16	52	eP	P	06 41 14.3 +1.1
E38A	The Farm, Brul	23.20	45	eP	P	06 41 14.1 +0.4
E38A	The Farm, Brul	23.20	45	eP	P	06 41 14.7 +1.0
W47A	Westpoint	23.22	75	P	P	06 41 14.1 0.0
S46A	Don Dixon Farm	23.23	69	P	P	06 41 14.4 +0.3
F39A	Loretta	23.26	47	P	P	06 41 14.5 +0.2
348A	Jackson	23.29	85	P	P	06 41 14.7 0.0
348A	Jackson	23.29	85	eP	P	06 41 17.2 +2.5

V47A	Nunnelly	23.29	73	P	P	06 41 15.0 +0.3
L43A	Garden Prairie	23.31	57	P	P	06 41 14.9 0.0
248A	Dixon Mills	23.32	83	P	P	06 41 16.1 +1.0
Z48A	Northport	23.34	80	P	P	06 41 15.8 +0.6
J42A	Columbus	23.40	54	P	P	06 41 15.7 -0.1
148A	Greensboro	23.40	81	P	P	06 41 15.8 0.0
N44A	Piper City	23.40	61	P	P	06 41 15.6 -0.2
G40A	Rib Lake	23.42	49	P	P	06 41 16.2 +0.2
G40A	Rib Lake	23.42	49	eP	P	06 41 16.4 +0.4
R46A	Graceland, Par	23.45	67	P	P	06 41 16.5 +0.3
P45A	Graceland, Par	23.45	64	P	P	06 41 16.0 -0.3
P45A	Graceland, Par	23.45	64	eP	P	06 41 17.9 +1.7
U47A	Clarksville	23.49	72	P	P	06 41 16.9 +0.2
H41A	Junction City	23.51	51	eP	P	06 41 17.9 +1.1
M44A	Midewin, Midew	23.61	59	eP	P	06 41 17.5 -0.3
M44A	Midewin, Midew	23.61	59	eP	P	06 41 18.4 +0.6
Y48A	Jasper	23.62	78	P	P	06 41 18.1 +0.1
T47A	Sharon Grove	23.66	71	P	P	06 41 19.2 +0.8
T47A	Sharon Grove	23.66	71	eP	P	06 41 20.9 +2.5
X48A	Hartselle	23.70	77	P	P	06 41 18.5 -0.3
X48A	Hartselle	23.70	77	eP	P	06 41 19.2 +0.5
E39A	Mellen	23.70	46	P	P	06 41 18.6 -0.1
I42A	Draeger Farm,	23.74	53	P	P	06 41 19.1 0.0
I42A	Draeger Farm,	23.74	53	eP	P	06 41 20.4 +1.3
K43A	Burlington	23.75	56	P	P	06 41 18.5 -0.7
K43A	Burlington	23.75	56	eP	P	06 41 19.4 +0.2
F40A	Park Falls	23.76	48	P	P	06 41 19.3 0.0
W48A	Putakami	23.77	75	P	P	06 41 19.5 0.0
LRAL	Lakeview Retre	23.84	80	P	P	06 41 20.5 +0.4
LRAL	Lakeview Retre	23.84	80	eP	P	06 41 21.5 +1.4
V48A	Smith Brothers	23.85	74	P	P	06 41 20.2 0.0
V48A	Smith Brothers	23.85	74	eP	P	06 41 21.6 +1.3
249A	Camden	23.86	83	P	P	06 41 20.1 -0.2
P46A	Rosedale	23.87	64	P	P	06 41 21.1 +0.7
349A	Repton	23.90	85	P	P	06 41 20.4 -0.4
C38A	Sawbill Land.	23.94	43	P	P	06 41 20.9 -0.1
BRAL	Brewton	24.05	85	eP	P	06 41 22.6 +0.5
BRAL	Brewton	24.05	85	eP	P	06 41 24.2 +2.1
149A	Jonah	24.06	81	P	P	06 41 21.4 -0.8
SFIN	Lafayette	24.09	62	P	P	06 41 23.1 +0.6
SFIN	Lafayette	24.09	62	eP	P	06 41 24.6 +2.1
U48A	Cassie Pea, Po	24.10	72	P	P	06 41 23.1 +0.5
E40A	Wakefield	24.13	47	P	P	06 41 23.3 +0.4
Z49A	Columbiana	24.21	80	P	P	06 41 24.3 +0.6
H42A	Shiocton	24.21	52	P	P	06 41 23.6 0.0
H42A	Shiocton	24.21	52	eP	P	06 41 24.9 +1.3
R47A	Wooly Knot Far	24.23	67	P	P	06 41 23.6 -0.1
T48A	Boving Green	24.24	70	P	P	06 41 23.1 -0.8
Y49A	Blount Mountai	24.25	78	P	P	06 41 23.9 -0.2
Y49A	Blount Mountai	24.25	78	eP	P	06 41 25.6 +1.5
I43A	Langenfeld Br	24.26	53	P	P	06 41 24.0 0.0
X49A	Woodville	24.29	77	P	P	06 41 24.2 -0.2
W49A	Belvidere	24.32	75	P	P	06 41 24.8 +0.2
F41A	Three Lakes	24.32	49	P	P	06 41 24.6 0.0
BLO	Bloomington	24.33	65	eP	P	06 41 25.8 +1.1
Q47A	Berth North L	24.38	66	P	P	06 41 25.3 +0.2
FFC	Fillmore	24.43	19	eP	P	06 41 27.6 +2.2
COWI	Conover	24.45	48	eP	P	06 41 26.5 +0.7
N46A	Monticello	24.46	61	P	P	06 41 25.8 -0.1
S48A	Wiedeman Farm,	24.54	69	P	P	06 41 26.8 +0.2
250A	Grady	24.58	83	P	P	06 41 26.9 -0.1
250A	Grady	24.58	83	eP	P	06 41 28.8 +1.8
SWET	Sewanee	24.59	75	eP	P	06 41 28.0 +0.9
150A	Eclectic	24.70	81	P	P	06 41 27.9 -0.2
Z50A	Ashland	24.71	80	P	P	06 41 27.7 -0.6
Z50A	Ashland	24.71	80	eP	P	06 41 29.8 +1.5
R48A	Northridge Ran	24.75	67	P	P	06 41 28.7 +0.2
Q47A	Sheridan	24.76	63	P	P	06 41 29.0 +0.4
Y50A	Piedmont	24.81	78	P	P	06 41 29.0 -0.1
X50B	Fort Payne	24.85	77	P	P	06 41 28.9 -0.6
T49A	Edmonton	24.93	70	P	P	06 41 30.4 +0.3
W50A	Signal Mountai	25.09	75	eP	P	06 41 31.2 -0.5
W50A	Signal Mountai	25.09	75	eP	P	06 41 32.6 +0.9
351A	Pinckard	25.25	84	P	P	06 41 34.0 +1.0
V50A	Pikeville	25.25	74	P	P	06 41 33.0 -0.1
V50A	Pikeville	25.28	82	P	P	06 41 33.4 0.0
151A	Opelika	25.29	81	P	P	06 41 33.7 +0.2
Y51A	Rockmart	25.37	78	P	P	06 41 34.1 0.0
T50A	Nancy	25.48	71	P	P	06 41 36.0 +0.9
X51A	Calhoun	25.49	76	eP	P	06 41 36.2 +0.9
CPCT	Cooper Cave	25.73	74	eP	P	06 41 38.4 +1.0
152A	Waverly Hall	25.78	81	P	P	06 41 37.9 0.0
152A	Waverly Hall	25.78	81	eP	P	06 41 38.9 +1.0
352A	Blakely	25.78	83	P	P	06 41 38.5 +0.6
352A	Blakely	25.78	83	eP	P	06 41 40.8 +2.8

V51A	Loudon	25.86	73	P	P	06 41 38.8 +0.2
V51A	Loudon	25.86	73	eP	P	06 41 39.8 +1.2
Z52A	Williamson	25.97	79	P	P	06 41 40.2 +0.6
Y52A	Lilburn	26.20	78	P	P	06 41 42.3 +0.5
X52A	Dahlonega	26.29	76	P	P	06 41 42.1 -0.4
TKL	Tuckaleechee C	26.34	74	P	P	06 41 42.7 -0.2
TKL	Tuckaleechee C	26.34	74	eP	LR	06 52 18.9
TKL	Tuckaleechee C	26.34	74	eP	P	06 41 45.0 +2.1
253A	Americus	26.36	82	P	P	06 41 43.1 -0.1
253A	Americus	26.36	82	eP	P	06 41 44.4 +1.2
V52A	Sevierville	26.48	73	eP	P	06 41 45.4 +0.8
P50A	Jamestown	26.48	65	P	P	06 41 44.0 +0.2
Y53A	Mon					

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DPC Dobruska-Polom, LANS Liptovska Anna, BRG Bergjesshubel, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WDC Whiskeytown Da, KCTM Capetown, GSGM Seigler Mounta, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ASAR 0.3mm,0.4s,baz=291,slow=7.7,SNR=11, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station MAN 01:10:31:19.2, 13:54N, 123:35E, h16km, mb3.8, ML2.5, MS2.1, Luzon.

ISCJB 01:10:49:55.0, 0.7, 32:22N, 0.04, 1:15:26W, 0.06, h11km, 8km, Error ellipse: s-maj=9.1km s-min=5.6km az=140.9, ECX 01:10:49:56.0, 0.5, 32:19N, 1:15:29W, h6km, MD2.1, ML2.3, MEX 01:10:49:57.3, 0.4, 32:36N, 1:15:12W, h20km, 4km, MD3.7, ISC 01:10:49:54.9, 1.0, 32:20N, 0.04, 1:15:29W, 0.05, h11km, 12km, n15, o6f922, California-Baja California border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CPBX Cerro Prieto, MBIG Mexicali, WBSG Westside Schoo, etc.

IDC 01:09:47:42.5, 3.5, 15:97S, 176:13W, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.7/4, mbtmp4.1/4, Error ellipse: s-maj=149.7km s-min=73.9km az=157.0, Fiji Islands region

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

ISCJB 01:09:53:43.0, 0.8, 29:81N, 0.05, 102:67E, 0.07, h10km, mb3.4/4, Error ellipse: s-maj=9.2km s-min=7.0km az=159.3

IDC 01:09:53:44.6, 1.3, 29:80N, 102:56E, h0km, mb3.5/4, mb1 3.6/5, mb1mx3.3/65, mbtmp3.5/5, ML3.6/1, Error ellipse: s-maj=83.2km s-min=22.9km az=60.0

B/J 01:09:53:46.4, 30:30N, 102:45E, h10km, ML3.6/13, ISC 01:09:53:46.9, 1.0, 29:38N, 0.06, 102:54E, 0.09, h10km, n9, o269/14, mb3.5/4, 1c, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CD2 Chengdu, GYA Guiyang, SOMN Songino Arr, etc.

CSEM 01:10:11:41.0, 27:66N, 18:13W, h22km, ML4.0, Canary Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CORC Orchilla, EI H, CTAD Las Tabladas, etc.

ISCJB 01:10:19:57.0, 0.9, 3:55S, 0.2, 89:3E, 0.2, h10km, mb3.7/7, MS2.0/2, Error ellipse: s-maj=31.5km s-min=14.1km

IDC 01:10:19:58.3, 1.0, 3:49S, 89:46E, h0km, mb3.6/7, mb1 3.8/8, mb1mx3.5/62, mbtmp3.7/8, ML4.1/1, MS2.9/3, Mst 2.9/3, ms1mx2.6/60, Error ellipse: s-maj=41.5km s-min=18.9km az=56.0

ISC 01:10:19:59.6, 1.0, 3:55S, 0.2, 89:4E, 0.2, h10km, n16, o672/10, mb3.7/7, South Indian Ocean

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CORC Orchilla, EI H, CTAD Las Tabladas, etc.

RSNC 01:10:50:41.4, 0.8, 6:56N, 73:54W, h113km, 4km, ML2.3, Mb3.5, 2C-2D, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BARC Barichara, BRRC Barranca, Sant, RUSC La Rusia, etc.

ISCJB 01:11:00:06.5, 5.4, 5:76S, 151:49E, h73km, 44km, mb3.6/4, mb1 3.9/5, mb1mx3.4/3, mbtmp4.0/5, ML2.1/1, Error ellipse: s-maj=95.0km s-min=29.6km az=131.0, New Britain region

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

IDC 01:11:18:14.9, 2.5, 25:39S, 132:17E, h0km, mb1 3.8/4, mb1mx3.5/41, mbtmp3.7/4, ML2.9/4, Error ellipse: s-maj=24.4km s-min=19.9km az=122.0, Northern Territory

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ASAR 0.6mm,0.3s,baz=216,slow=12,SNR=37, etc.

ISCJB 01:10:05:52.7, 0.3, 39:81N, 0.02, 123:35W, 0.04, h4km, 4km, Error ellipse: s-maj=4.9km s-min=2.7km az=165.2, NEIC 01:10:05:53.0, 0.0, 39:78N, 123:35W, h11km, MW3.6(BRK), After NCEDC.

NEIC Felt at Arcata, Laytonville and Magalia. ISC 01:10:05:53.2, 0.9, 39:79N, 0.02, 123:33W, 0.03, h9km, 8km, n92, i131/97, Near coast of northern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KIPM Iron Peak, KBNM Bluenose Ridge, KFPM Farley Peak, etc.

1d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, WB2, KSH, WMQ, ASAR, etc.

ISCJB 01 12:54:56.4+0.6, 32.22N+0.02+115.23W+0.02, h12km, 4km, Error ellipse: s-maj=3.9km s-min=3.2km az=174.5

NEIC 01 12:54:58.0+0.0, 32.21N+115.26W, h6km, ML2.9(PAS), ECX 01 12:54:58.0+0.6, 32.21N+115.26W, h6km, MD3.0, ML3.3

ISC 01 12:54:58.8+1.0, 32.19N+0.02+115.28W+0.02, h8km, 9km, n57, r13872, 1C-8D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBIG, CPBX, WESC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPE, XPF, PFO, etc.

MOS 01 13:09:34.6+0.6, 43.47N+147.71E, h54km, mb4.2/1, Error ellipse: s-maj=35.0km s-min=16.5km az=43.7

JMA 01 13:09:37.2+0.3, 43.49N+147.47E, h41km, M3.6 SKHL 01 13:09:38.5+0.5, 43.62N+147.54E, h4km, mb4.6/6

ISC 01 13:09:32.5+0.2, 43.53N+147.59E+0.07, h9km, 11km, n24, r17542, 1C-5D, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHO, YUK, NEM2, etc.

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

NIED 01 13:14:00.39+80N, 142.30E, h50km, Mw3.6 Best double couple: M3 11000+1014 NP1=201.00000, 829.00000, 7.91.00000, NP2=20.00000, 866.00000, 8.84.00000

ISCJB 01 13:14:11.1+1.0, 39.86N+142.42E+0.1, h51km, 7km, mb3.7/6, Error ellipse: s-maj=14.7km s-min=6.3km az=2.3

JMA 01 13:14:12.8+0.1, 39.84N+142.25E, h43km, 1km, M3.6 IDC 01 13:14:12.9+2.5, 39.96N+142.58E, h59km, 22km, mb3.6/4, mb1 3.5/9, mb1mx3.2/67, mb1mp3.6/9, ML2.7, MS2.2/1, Ms1 2.2/1, ms1mx2.0/42, Error ellipse: s-maj=33.5km s-min=14.6km az=91.0

ISC 01 13:14:12.0+1.4, 39.85N+142.33E+0.10, h44km, 11km, n25, r180528, mb3.8/6, Near east coast of eastern Honshu

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

PGC 01 13:58:35.5+0.9, 50.55N+130.41W, h10km, MLN3.0/29, Mw3.7/29, 212km west of Pt. Hardy, Bc Vancouver Island, Canada Region, Vancouver Island region

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

ISCJB 01 16:17:50.6:0.6,31.49S:0.05:138.78E:0.05,h10km, Error ellipse: s-maj=7.2km s-min=6.1km az=33.8

AUST 01 16:17:51.8:0.0,31.57S:138.81E,h10km, Error ellipse: s-maj=0.2km s-min=0.1km az=5.0

IDC 01 16:17:53.5:4.9,31.38S:138.86E,h0km,mb1 3.2/2, mb1mx3.1/33,mb1mp2.9/2,ML2.2/3, Error ellipse: s-maj=97.2km s-min=17.4km az=31.0

ISC 01 16:17:52.6:1.0,31.56S:0.07x138.78E:0.05,h10km,n9, s1905/14, South Australia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations for the first section.

AAE 01 16:18:56.2:6.7,14.69N:42.36E,h0km,464km

BUI 01 16:19:06.3,12.79N:41.23E,h6km,mb4.7/41,mb4.9/30, Ms4.7/17,Ms7.4/14

DSN 01 16:19:10.3:4.2,13.04N:41.73E,h10km,mb5.1/12, Error ellipse: s-maj=68.3km s-min=13.1km az=6.0

DHMR 01 16:19:11.4:1.7,13.14N:41.90E,h12km,17km,ML4.9

IDC 01 16:19:12.1:0.5,13.26N:41.74E,h0km,mb4.3/30, mb1 4.4/34,mb1mx3.5/38,mb1mp4.3/34,ML3.9/4,MS3.9/36, Ms1.3/36,ms1mx3.8/53, Error ellipse: s-maj=13.3km s-min=8.9km az=64.0

MOS 01 16:19:12.5:1.0,13.34N:41.71E,h12km,mb5.0/31, Ms4.1/7, Error ellipse: s-maj=10.3km s-min=5.5km az=88.7

ARO 01 16:19:12.2,13.12N:42.2E,h8km,1km,ML4.9

ISCJB 01 16:19:12.4:0.2,13.35N:0.02:41.77E:0.02,h10km, mb4.6/93,MS4.0/47, Error ellipse: s-maj=3.6km s-min=3.2km az=137.0

CSEM 01 16:19:13.6:0.2,13.26N:41.79E,h10km,mb4.6/37, Error ellipse: s-maj=7.8km s-min=4.8km az=7.0

GCMT 01 16:19:13.5:0.3,13.53N:41.79E,h25km,1km,MW5.0/69, Moment Tensor Solution, s15,c18; s69,c103; Duration: 0 Moment tensor: Scale 10^10Nm; Mr0.53; 16; Mw1.83; 12; Mw1.31; 14; Mw1.94; 26; Mw1.90; 08; Mw1.00; 26; Best double couple: Mc3.32200x1016 NP1.287.00000*,s83.00000*,lambda.138.00000*. NP2: e=23.00000*,delta.000000*,lambda.10.00000*. Principal axes: T 3.3760,Plg34.0000*,Az99.0000*,P -3.2680,Plg22.0000*,Az342.0000*. n1a1 refers to body waves, cutoff=40s.

NEIC 01 16:19:13.5:0.3,13.53N:41.79E,h10km,mb4.8/21, Error ellipse: s-maj=6.2km s-min=4.9km az=11.0

ISC 01 16:19:13.7:0.3,13.27N:0.03:41.82E:0.05,h0km,n294, s1943/325,mb4.6/94,MS4.0/48,21C-17D, Ethiopia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations for the second section.

Main table with columns: MAOD, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations and their parameters.

Table with columns: ZEI, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations and their parameters.

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Table with columns: ID, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MHGZ Mahia Peninsula, NMHZ Naumai, ARHZ Aropanou, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARCH Arica, PB05 IPOC Station P, PB06 IPOC Station P, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Kapiti Island, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ROSC El Rosal, ROSC El Rosal, YOPC Yopal, NORC Norcasia, etc.

TIGA	Trifton	53.11 347	P	P	17 54 13.3	-0.4
353A	Camilla	53.16 346	P	P	17 54 13.3	-0.7
255A	Hazelhurst	53.36 348	P	P	17 54 15.0	-0.4
351A	Pinckard	53.41 345	P	P	17 54 15.4	-0.5
352A	Blakeley	53.45 346	P	P	17 54 15.4	-0.7
254A	Abbeville	53.54 347	P	P	17 54 16.1	-0.7
350A	Dozier	53.73 344	P	P	17 54 18.0	-0.2
253A	Americus	53.83 347	P	P	17 54 18.8	-0.1
349A	Repton	53.89 343	P	P	17 54 19.2	-0.2
156A	Sylvania	53.90 350	P	P	17 54 19.5	+0.2
252A	Lumpkin	53.90 346	P	P	17 54 18.7	-0.7
155A	Kite	54.04 349	P	P	17 54 19.9	-0.5
NHSC	New Hope	54.13 351	P	P	17 54 21.2	+0.1
251A	Midway	54.15 345	P	P	17 54 20.3	-1.0
154A	Montrose	54.15 348	P	P	17 54 20.8	-0.5
250A	Grady	54.25 344	P	P	17 54 20.9	-1.1
250A	Grady	54.25 344	eP	P	17 54 21.4	-0.6
347A	Saraland	54.32 342	P	P	17 54 22.1	-0.3
249A	Camden	54.47 344	P	P	17 54 22.8	-0.7
152A	Waverly Hall	54.54 346	P	P	17 54 23.0	-1.1
151A	Opelika	54.55 346	P	P	17 54 23.1	-1.0
Z54A	Sparta	54.71 348	P	P	17 54 24.1	-1.2
248A	Dixon Mills	54.74 343	P	P	17 54 24.7	-0.8
150A	Eclectic	54.79 345	P	P	17 54 24.6	-1.2
Z53A	Monticello	54.89 348	P	P	17 54 25.5	-1.1
149A	Jones	54.97 344	P	P	17 54 25.7	-1.5
Z52A	Williamson	54.98 347	P	P	17 54 26.2	-1.1
GOGA	Godfrey	55.00 348	P	P	17 54 26.1	-1.3
344A	Westbrook Farm	55.03 340	P	P	17 54 27.2	-0.5
Y54A	Tignall	55.29 349	P	P	17 54 28.4	-1.0
Z50A	Ashland	55.38 345	P	P	17 54 28.9	-1.3
Z50A	Ashland	55.38 345	eP	P	17 54 28.9	-1.3
LRAL	Lakeview Retre	55.44 344	P	P	17 54 29.5	-1.1
Y53A	Monroe	55.45 348	P	P	17 54 29.4	-1.2
Z49A	Columbiana	55.47 345	P	P	17 54 29.6	-1.3
342A	Flagon Creek P	55.50 338	P	P	17 54 31.7	+0.8
Y51A	Rockmart	55.80 346	P	P	17 54 31.9	-1.3
Z47A	Carrollton	55.88 343	P	P	17 54 32.8	-0.9
Z48A	Northport	55.91 344	P	P	17 54 32.7	-1.2
Y50A	Piedmont	55.95 346	P	P	17 54 33.1	-1.1
X53A	Estanollee	56.02 348	P	P	17 54 34.0	-0.8
Y49A	Blount Mountai	56.08 345	P	P	17 54 33.7	-1.4
X52A	Dahlonega	56.24 348	P	P	17 54 35.3	-1.0
KM5C	Kings Mountain	56.30 350	P	P	17 54 36.1	-0.6
X51A	Calhoun	56.40 347	P	P	17 54 36.6	-0.8
Y50B	Fort Payne	56.48 346	P	P	17 54 36.7	-1.3
Y47A	UCPARC Winifre	56.48 344	P	P	17 54 36.7	-1.3
Z44A	Pea Ridge, Bel	56.63 341	P	P	17 54 38.7	-0.3
W53A	Cullowhee	56.65 349	P	P	17 54 38.6	-0.7
X49A	Woodville	56.68 345	P	P	17 54 38.1	-1.4
X48A	Hartselle	56.80 345	P	P	17 54 39.0	-1.3
141A	Papa Simpson,	56.82 338	P	P	17 54 41.2	+0.8
Y45A	Yeager Farm, C	56.92 342	P	P	17 54 40.7	-0.3
V53A	Saluda	57.07 349	P	P	17 54 41.3	-1.0
X47A	Russelville	57.07 344	P	P	17 54 40.5	-1.7
W50A	Signal Mountai	57.11 347	P	P	17 54 41.4	-1.1
TKL	Tuckaleechee C	57.23 348	P	P	17 54 42.0	-1.4
TKL	Tuckaleechee C	57.23 348	eP	P	17 54 41.6	-1.8
TKL	Tuckaleechee C	57.23 348	P	P	17 54 42.0	-1.4
TKL	comp=Z,15nm,0.9s					
TKL	comp=Z,15nm,18.2s,baz=182,slow=40				18 23 25.7	
TKL	Tuckaleechee C	57.23 348	eP	P	17 54 41.6	-1.8
TKL	Tuckaleechee C	57.23 348	P	P	17 54 42.0	-1.4
TKL	comp=Z,15nm,0.9s					
TKL	comp=Z,15nm,18.2s					
W49A	Belvidere	57.25 346	P	P	17 54 42.3	-1.1
V52A	Sevierville	57.38 348	P	P	17 54 43.1	-1.2
V52A	Sevierville	57.38 348	eP	P	17 54 41.9	-2.5
X45A	UM Field Stati	57.40 342	P	P	17 54 43.6	-0.8
W48A	Pulaski	57.42 345	P	P	17 54 43.2	-1.5
OXF	Oxford	57.48 342	P	P	17 54 43.8	-1.3
V51A	Loudon	57.49 348	P	P	17 54 43.8	-1.3
V50A	Pikeville	57.52 347	P	P	17 54 44.3	-1.0
PLAL	Pickwick Lake	57.56 344	eP	P	17 54 43.9	-1.8
Z40A	Long Farm, Mag	57.58 338	P	P	17 54 46.3	+0.5
W47A	Westpoint	57.70 344	P	P	17 54 45.0	-1.6
U53A	Fall Branch	57.70 349	P	P	17 54 45.3	-1.4
JCT	Junction City	57.71 331	P	P	17 54 45.8	-1.0
V49A	McMinnville	57.78 346	P	P	17 54 45.8	-1.4
Y41A	Eaglette Beard	57.88 339	P	P	17 54 48.0	+0.1
V48A	Smith Brothers	57.97 345	P	P	17 54 47.2	-1.3
W45A	Hickory Valley	58.03 343	P	P	17 54 47.7	-1.2
TZTN	Tazewell	58.05 349	P	P	17 54 48.2	-0.9
BLA	Blacksburg	58.20 352	P	P	17 54 49.5	-0.6
V47A	Nunnelly	58.23 345	P	P	17 54 48.6	-1.7
Y40A	Okolona	58.23 339	P	P	17 54 50.0	-0.4
V46A	Holladay	58.35 344	P	P	17 54 49.1	-2.0
LP1G	La Paz	58.41 318	LR		18 13 44.4	
U49A	Red Boiling Sp	58.47 346	P	P	17 54 50.7	-1.3
WVW	Waverly	58.59 344	P	P	17 54 51.0	-1.8

WVW	Waverly	58.59 344	eP	P	17 54 51.0	-1.8
WVW	Waverly	58.59 344	eP	P	17 54 51.0	-1.8
IP07	Quail	58.62 354	eP	P	17 54 53.6	+0.7
TXAR	Lajitas Array	58.62 327	P	P	17 54 53.0	-0.3
TXAR	comp=Z,1.09nm,19.1s,baz=0.0,slow=33				18 17 14.9	
U48A	Cassie Pea, Po	58.64 346	P	P	17 54 52.0	-1.2
U47A	Clarksville	58.75 345	P	P	17 54 52.5	-1.5
T50A	Nancy	58.76 347	P	P	17 54 52.7	-1.3
MIAR	Mount Ida	58.81 339	P	P	17 54 53.9	-0.6
W41B	Gary Mavity, V	58.95 340	P	P	17 54 54.5	-0.9
W41B	Gary Mavity, V	58.95 340	eP	P	17 54 52.6	-2.7
X39A	Fountain Ranch	58.97 338	P	P	17 54 55.2	-0.3
T49A	Edmonton	58.99 347	P	P	17 54 54.4	-1.2
U45A	Rockin P Farm,	59.03 344	P	P	17 54 54.9	-1.0
WHAR	Woolly Hollow	59.07 340	eP	P	17 54 55.8	-0.4
S51A	Beattyville	59.12 349	P	P	17 54 55.4	-1.1
T48A	Bowling Green	59.18 346	P	P	17 54 55.7	-1.3
T47A	Sharon Grove	59.23 345	P	P	17 54 56.0	-1.3
T47A	Sharon Grove	59.23 345	eP	P	17 54 56.1	-1.1
W40A	Ferguson Farm,	59.23 339	P	P	17 54 57.1	-0.2
W40A	Ferguson Farm,	59.23 339	eP	P	17 54 57.4	+0.1
ABTX	Abilene, Hawle	59.46 332	P	P	17 54 58.6	-0.4
ABTX	Abilene, Hawle	59.46 332	eP	P	17 54 57.5	-1.4
W39A	Magazine	59.47 339	P	P	17 54 58.7	-0.3
W39A	Magazine	59.47 339	eP	P	17 54 59.0	0.0
W41A	Mountainview	59.48 341	P	P	17 54 57.9	-1.2
S48A	Wiedeman Farm,	59.63 347	P	P	17 54 58.2	-1.8
V40A	Witts Springs	59.71 340	P	P	17 54 59.3	-1.4
V40A	Witts Springs	59.71 340	eP	P	17 54 59.9	-0.8
U42A	Revendon	59.73 342	P	P	17 54 59.4	-1.3
U41A	Viola	59.93 341	P	P	17 55 00.9	-1.2
V39A	Pettigrew	60.01 339	P	P	17 55 02.0	-0.7
S46A	Don Dixon Farm	60.04 345	P	P	17 55 01.3	-1.5
T43A	Greenville	60.14 343	P	P	17 55 02.2	-1.3
U40A	Yellville	60.23 340	P	P	17 55 03.3	-0.9
WCI	Wyandotte Cave	60.23 347	P	P	17 55 02.7	-1.5
S45A	Carrier Mills	60.24 344	P	P	17 55 02.8	-1.4
T42A	Van Buren	60.32 342	P	P	17 55 03.2	-1.5
R47A	Woolly Knot Far	60.35 346	P	P	17 55 03.2	-1.7
S44A	Carbondale	60.43 344	P	P	17 55 04.7	-0.8
U39A	Green Forest	60.45 340	P	P	17 55 04.6	-1.2
R46A	Gibson Southern	60.49 346	P	P	17 55 04.3	-1.6
T41A	Mountain View	60.53 341	P	P	17 55 04.9	-1.3
S43A	Fulton Ridge	60.54 343	P	P	17 55 04.8	-1.4
R45A	Skyler, Fairri	60.75 345	P	P	17 55 06.3	-1.4
TUL1	Leonard	60.82 337	P	P	17 55 07.5	-0.7
TUL1	Leonard	60.82 337	eP	P	17 55 07.9	-0.3
T40A	Mansfield	60.85 341	P	P	17 55 07.4	-1.0
S42A	Caledonia	60.92 343	P	P	17 55 07.5	-1.4
Q47A	Bedord North L	60.94 347	P	P	17 55 07.4	-1.5
O56A	Blue Knob Stat	61.00 354	P	P	17 55 09.4	0.0
O56A	Blue Knob Stat	61.00 354	eP	P	17 55 09.9	+0.6
T39A	Cleaver	61.01 340	P	P	17 55 08.5	-1.0
FVM	French Village	61.02 343	P	P	17 55 09.5	0.2
S41A	Jillco Farm	61.02 342	eP	P	17 55 08.3	-1.0
P50A	Jamestown	61.08 349	P	P	17 55 08.5	-1.3
R43A	Red Bud	61.16 343	P	P	17 55 09.6	-0.9
S40A	Lebanon	61.26 341	P	P	17 55 10.0	-1.2
Q45A	Warren Harvey,	61.29 345	P	P	17 55 09.7	-1.6
SSPA	Standing Stone	61.30 354	P	P	17 55 11.4	+0.1
CCM	Cathedral Cave	61.31 342	P	P	17 55 11.3	-0.2
CCM	Cathedral Cave	61.31 342	eP	P	17 55 09.0	-2.5
CCM	Cathedral Cave	61.31 342	eP	P	17 55 09.0	-2.5
T38A	Diamond	61.32 339	P	P	17 55 10.7	-0.9
R42A	Luebering	61.40 343	P	P	17 55 11.0	-1.0
MNTX	Cornudas Mount	61.40 327	P	P	17 55 11.5	-0.7
MNTX	Cornudas Mount	61.40 327	eP	P	17 55 10.5	-1.8
P47A	Martinsville	61.44 347	P	P	17 55 10.7	-1.6
Q44A	Meyer Farm, Va	61.51 344	P	P	17 55 11.2	-1.7
O50A	Cable	61.57 349	P	P	17 55 11.8	-1.4
R41A	Rosebud	61.58 342	P	P	17 55 12.3	-1.0
S39A	Bolivar	61.60 340	P	P	17 55 12.4	-1.0
S39A	Bolivar	61.60 340	eP	P	17 55 12.7	-0.8
VNA3	Newumayer Olymp	61.62 161	P	P	17 55 14.4	+1.1
Q43A	New Douglas	61.72 344	P	P	17 55 13.3	-1.0
S38A	Stocketon	61.73 340	P	P	17 55 13.3	-1.1
P46A	Rosedale	61.76 346	P	P	17 55 12.8	-1.7
P45A	Graceland, Par	61.80 346	P	P	17 55 12.0	-1.9
P45A	Graceland, Par	61.80 346	eP	P	17 55 12.0	-2.8
R40A	Maddies Statio	61.83 342	P	P	17 55 13.9	-1.1
R40A	Maddies Statio	61.83 342	eP	P	17 55 13.9	-1.1
N54A	Moraine State	61.84 353	P	P	17 55 14.7	-0.3
N54A	Moraine State	61.84 353	eP	P	17 55 14.1	-0.9
VNA1	Newumayer-Stat	61.85 150	P	P	17 55 16.4	+1.6
Q42A	Golden Eagle	61.92 343	P	P	17 55 14.8	-0.7
P44A	Sand Creek, Wi	61.95 345	P	P	17 55 14.2	-1.6
MSTX	Muleshoe	61.99 331	P	P	17 55 15.7	-0.7
MSTX	Muleshoe	61.99 331	eP	P	17 55 15.9	-0.4
R39A	Chumby, Stover	62.08 341	P	P	17 55 15.7	-1.0
N50A	Nevo	62.10 350	P	P	17	

Table with columns: ID, Name, Value, Unit, Direction, Date, Name, Value, Unit, Direction, Date. Rows include Killbear Provi, Draeger Farm, SDCO Great Sand Dun, etc.

Table with columns: ID, Name, Value, Unit, Direction, Date, Name, Value, Unit, Direction, Date. Rows include Chassel, Chassel, Milau, Milaca, GMRC Granite Mounta, etc.

Table with columns: ID, Name, Value, Unit, Direction, Date, Name, Value, Unit, Direction, Date. Rows include ULM, H17A Grant Village, H17A Grant Village, etc.

1d 22h

Table with columns: Station, Frequency, Power, Modulation, and SNR. Includes stations like KIEV, ARR, PGB, SHL, BUR04, etc.

2012 JUL

Table with columns: Station, Frequency, Power, Modulation, and SNR. Includes stations like FNA Florina, PDO Prodromos, ISAL ISAL, etc.

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Table with columns: Station, Frequency, Power, Modulation, and SNR. Includes stations like JAVC Velka Javorina, MASS Massafra, MODS Modra-Piesok, etc.

1d 22h

SSe	comp=Z,4.0nm,0.4s		pmax	pmax			
SSE	comp=Z,140nm,3.7s		pmax	pmax			
SSE	comp=Z,290nm,17.7s		LR	LR			
SSE	comp=Z,400nm,15.5s		LR	LR			
TIXI	comp=Z,38nm,1.2s	50.97 22	eP	P	22 10 26.9	+0.1	
TIXI	comp=Z,38nm,1.2s	50.97 22	iP	P	22 10 27.2	+0.4	
TIXI	comp=Z,48nm,1.7s		pmax	pmax			
TIXI	comp=Z,1µm,16.0s		MLR	MLR			
OZH	comp=Z,1µm,16.0s	51.19 84	iP	P	22 10 31.6	+2.4	
OZH	comp=Z,140nm,7.6s		S	S	22 17 50.2	+2.7	
OZH	comp=Z,140nm,7.6s		pmax	pmax			
OZH	comp=Z,590nm,14.2s		LR	LR			
OZH	comp=Z,380nm,13.7s		LR	LR			
OZH	comp=Z,600nm,13.3s		LR	LR			
PBRG	comp=Z,39nm,1.5s	51.74 299	eP	P	22 10 32.9	-0.2	
HORN	comp=Z,39nm,1.5s	51.75 294	P	P	22 10 32.6	-0.6	
VAL	comp=Z,39nm,1.5s	51.93 312	eP	P	22 10 39.8	+5.5	
MVO	comp=Z,61nm,1.9s	52.12 298	eP	P	22 10 35.8	-0.2	
MVO	comp=Z,241nm,20.0s	52.12 298	eLR	LR	22 34 14.9		
PVRL	comp=Z,95nm,1.9s	52.59 299	eP	P	22 10 39.8	+0.4	
POLO	comp=Z,24nm,1.4s	52.62 299	eP	P	22 10 39.4	-0.3	
POLO	comp=Z,24nm,1.4s		eS	S	22 18 08.7	+1.7	
PCAB	comp=Z,95nm,1.6s	52.69 299	eP	P	22 10 40.3	+0.1	
MTE	comp=Z,192nm,1.4s	52.71 298	eP	P	22 10 40.8	+0.4	
MTE	comp=Z,192nm,1.4s	52.71 298	eLR	LR	22 18 11.5	+3.3	
MTE	comp=Z,166nm,20.0s	52.71 298	eLR	LR	22 36 05.0		
MTE	comp=Z,122nm,1.2s	52.71 298	eP	P	22 10 40.7	+0.4	
PGV	comp=Z,137nm,1.6s	52.80 300	eP	P	22 10 41.5	+0.4	
PGAV	comp=Z,137nm,1.6s	52.82 297	eS	S	22 18 15.1	+5.7	
PCBR	comp=Z,130nm,1.7s	52.87 298	eP	P	22 10 42.1	+1.0	
PCBR	comp=Z,130nm,1.7s	52.87 298	eP	P	22 10 42.0	+0.4	
PMRV	comp=Z,72nm,1.1s	52.88 296	eP	P	22 10 41.5	-0.1	
PMRV	comp=Z,99nm,1.2s	52.88 296	eP	P	22 36 32.6		
PMRV	comp=Z,108nm,18.0s	52.88 296	eLR	LR	22 36 32.6		
PMRV	comp=Z,108nm,18.0s	52.88 296	eP	P	22 10 41.5	-0.1	
MDJ	comp=Z,11nm,1.4s	53.10 57	pmax	pmax	22 10 44.9	+1.8	
MDJ	comp=Z,210nm,7.2s	53.19 296	eP	P	22 10 43.3	-0.7	
PESTR	comp=Z,65nm,1.2s	53.19 296	eP	P	22 10 43.2	-0.7	
PESTR	comp=Z,65nm,1.2s	53.19 296	eS	S	22 18 15.9	+1.2	
PESTR	comp=Z,65nm,1.2s	53.19 296	eP	P	22 10 43.2	-0.7	
COI	comp=Z,110nm,1.6s	53.40 298	eP	P	22 10 46.0	+0.6	
COI	comp=Z,110nm,1.6s	53.40 298	eP	P	22 10 46.0	+0.6	
KLR	comp=Z,51 LR	53.45 51	LR	LR	22 35 58.2		
KLR	comp=Z,99nm,19.3s	53.45 51	eP	P	22 10 45.8	+0.2	
KLR	comp=Z,99nm,19.3s	53.45 51	eP	P	22 18 20.3	+1.3	
PCAS	comp=Z,99nm,19.3s	53.51 297	eS	S	22 10 46.8	+0.1	
PTOM	comp=Z,152nm,1.3s	53.57 297	eP	P	22 10 46.8	+0.1	
TPUB	comp=Z,152nm,1.3s	53.58 85	eP	P	22 10 51.1	+4.1	
YHNB	comp=Z,40nm,1.0s	53.59 83	eP	P	22 10 50.1	+3.0	
PMTG	comp=Z,68nm,1.3s	53.60 296	eP	P	22 10 46.4	-0.5	
PMTG	comp=Z,68nm,1.3s	53.61 295	eS	S	22 18 20.7	+0.5	
EVO	comp=Z,81nm,1.6s	53.63 84	eP	P	22 10 46.1	-0.9	
SSLB	comp=Z,50nm,1.1s	53.66 295	eP	P	22 10 47.9	+0.5	
PBEJ	comp=Z,64nm,1.1s	53.75 294	eP	P	22 10 47.1	-0.9	
PVAQ	comp=Z,68nm,1.4s	53.75 294	eLR	LR	22 37 35.5		
PVAQ	comp=Z,150nm,18.0s	53.75 294	eP	P	22 10 47.1	-0.9	
PVAQ	comp=Z,150nm,18.0s	53.75 294	eP	P	22 10 47.1	-0.9	
TJN	comp=Z,67nm,1.6s	53.89 67	eP	P	22 10 51.4	+2.4	
PCVE	comp=Z,71nm,1.6s	53.92 294	eP	P	22 10 48.5	-0.6	
PCVE	comp=Z,71nm,1.6s	53.93 66	eP	P	22 10 49.5	+0.2	
KS01	comp=Z,71nm,1.6s	53.93 66	eP	P	22 10 49.5	+0.2	
KS01	comp=Z,71nm,1.6s	53.94 66	eP	P	22 10 50.4	+1.0	
KS15	comp=Z,71nm,1.6s	53.94 66	eP	P	22 10 50.4	+1.0	
KS15	comp=Z,71nm,1.6s	53.94 66	eP	P	22 10 50.4	+1.0	
KSAR	comp=Z,71nm,1.6s	53.94 66	eP	P	22 11 53.2	-1.5	
KSAR	comp=Z,71nm,1.6s	53.94 66	eP	P	22 10 49.7	+0.3	
KSAR	comp=Z,71nm,1.6s	53.94 66	eP	P	22 11 53.2	-1.5	
KSAR	comp=Z,71nm,1.6s	53.94 66	eP	P	22 10 49.7	+0.3	
PBDV	comp=Z,230nm,1.8s	53.96 294	eP	P	22 10 48.8	-0.8	
KSRS	comp=Z,24nm,1.1s	53.96 66	eP	P	22 10 49.6	+0.1	
KSRS	comp=Z,24nm,1.1s	53.96 66	eP	P	22 10 49.6	+0.1	
KSRS	comp=Z,2.5nm,0.7s	53.96 66	eP	P	22 11 53.2	-1.6	
KSRS	comp=Z,817nm,18.3s	53.96 66	eP	P	22 10 49.7	+0.1	
KSRS	comp=Z,817nm,18.3s	53.96 66	eP	P	22 11 53.2	-1.6	
KSRS	comp=Z,817nm,18.3s	53.96 66	eP	P	22 10 49.7	+0.1	
KSRS	comp=Z,817nm,18.3s	53.96 66	eP	P	22 11 53.2	-1.6	
KSRS	comp=Z,25nm,1.1s	53.96 66	eP	P	22 10 49.6	+0.1	
KSRS	comp=Z,3.0nm,0.7s	53.96 66	eP	P	22 10 49.6	+0.1	
KSRS	comp=Z,817nm,18.3s	53.96 66	eP	P	22 10 49.7	+0.1	
MESJ	comp=Z,35nm,1.3s	53.98 295	eP	P	22 10 49.3	-0.4	
MESJ	comp=Z,35nm,1.3s	53.98 295	eP	P	22 10 49.3	-0.4	
DAG	comp=Z,58nm,1.4s	54.04 344	iP	P	22 10 49.6	+0.1	
YULB	comp=Z,58nm,1.4s	54.09 85	eP	P	22 10 51.5	+0.8	
PNCL	comp=Z,58nm,1.4s	54.13 295	eP	P	22 10 50.9	+0.1	
OPO	comp=Z,7.2nm,0.7s	54.22 195	P	P	22 10 50.7	-1.0	
USRK	comp=Z,6.9nm,0.9s	54.87 57	eP	P	22 10 57.6	+1.5	
USRK	comp=Z,376nm,19.1s	54.87 57	eLR	LR	22 38 26.2		
GRNR	comp=Z,376nm,19.1s	56.02 48	eP	P	22 11 02.5	-1.8	
TORD	comp=Z,376nm,19.1s	56.09 263	eP	P	22 11 06.8	-2.0	
JNU	comp=Z,12nm,0.9s	57.76 70	eP	P	22 11 17.1	+0.2	
JNU	comp=Z,12nm,0.9s	57.76 70	eLR	LR	22 39 43.7		
NKL	comp=Z,877nm,18.4s	57.93 45	eP	P	22 11 17.0	-0.7	
NKL	comp=Z,877nm,18.4s	57.93 45	eP	P	22 11 17.0	-0.7	
NKL	comp=Z,69nm,1.0s	57.93 45	eP	P	22 11 17.0	-0.7	
NKL	comp=Z,300nm,8.0s	57.93 45	eP	P	22 11 17.0	-0.7	
NKL	comp=Z,1µm,12.0s	57.93 45	eP	P	22 11 17.0	-0.7	
NKL	comp=Z,2µm,12.0s	57.93 45	eP	P	22 11 17.0	-0.7	
LSZ	comp=Z,8.0nm,0.8s	58.04 217	eP	P	22 11 18.6	-0.4	
LSZ	comp=Z,8.0nm,0.8s	58.04 217	eP	P	22 11 17.9	-1.1	
LSZ	comp=Z,8.0nm,0.8s	58.04 217	eP	P	22 11 17.9	-1.1	
JOW	comp=Z,307nm,21.3s	58.27 77	LR	LR	22 38 18.9		
TYV	comp=Z,307nm,21.3s	59.78 47	eP	P	22 11 32.6	+2.0	
TYV	comp=Z,307nm,21.3s	59.78 47	eS	S	22 19 46.2	+4.6	

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TYV	comp=Z,200nm,4.0s		pmax	pmax			
TYV	comp=Z,29nm,1.0s		pmax	pmax			
TYV	comp=N,200nm,4.1s		smax	smax			
TYV	comp=Z,1µm,14.0s		MLR	MLR			
SUMG	comp=Z,58.85 340	eP	P	22 11 31.3	0.0		
SUMG	comp=Z,58.85 340	iP	P	22 11 31.3	0.0		
SUMG	comp=Z,54nm,1.4s	58.85 340	eP	P	22 11 31.3	0.0	
SUMG	comp=Z,54nm,1.4s	58.85 340	eP	P	22 11 31.3	0.0	
KOWA	comp=Z,42nm,0.6s	60.57 268	eP	P	22 11 35.7	-0.8	
KOWA	comp=Z,42nm,0.6s	60.57 268	eP	P	22 11 35.7	-0.8	
KOWA	comp=Z,42nm,0.6s	60.57 268	eP	P	22 11 35.7	-0.8	
SEY	comp=Z,60.91 321	eP	P	22 11 39.3	+1.2		
YSS	comp=Z,61.17 51	eP	P	22 11 43.8	+3.7		
YSS	comp=Z,61.17 51	eP	P	22 11 40.0	-0.1		
YSS	comp=Z,30nm,0.5s		pmax	pmax			
YSS	comp=Z,1µm,15.0s		MLR	MLR			
YSS	comp=Z,1µm,15.0s		MLR	MLR			
MAT	comp=Z,61.96 63	eP	P	22 11 48.6	+2.9		
MAJ	comp=Z,61.96 63	eS	S	22 20 13.8	+3.9		
MAJ	comp=Z,61.96 63	eP	P	22 11 45.8	+0.1		
MAJO	comp=Z,61.96 63	eP	P	22 11 45.4	-0.3		
MAJO	comp=Z,61.96 63	eP	P	22 11 45.4	-0.3		
MAJO	comp=Z,61.96 63	eP	P	22 11 45.4	-0.3		
MJAR	comp=Z,61.96 63	eP	P	22 11 45.6	-0.2		
MJAR	comp=Z,6.0nm,1.0s	61.96 63	eLR	LR	22 41 40.3		
MJAR	comp=Z,432nm,18.6s	61.96 63	eLR	LR	22 41 40.3		
ASAJ	comp=Z,62.10 54	eP	P	22 41 30.2			
BILL	comp=Z,62.10 54	eP	P	22 11 57.3	-2.4		
BILL	comp=Z,62.10 54	eP	P	22 12 01.0	+1.3		
BILL	comp=Z,62.10 54	eP	P	22 14 23.5			
BILL	comp=Z,62.10 54	eP	P	22 15 51.7			
BILL	comp=Z,25nm,1.7s		MLR	MLR			
BILL	comp=Z,668nm,15.0s		MLR	MLR			
HJH	comp=Z,64.57 66	LR	LR	22 43 41.2			
DBIC	comp=Z,65.54 261	eP	P	22 12 08.2	-1.3		
DBIC	comp=Z,65.54 261	eP	P	22 12 08.2	-1.3		
DBIC	comp=Z,65.54 261	eP	P	22 12 08.6	-0.9		
DBIC	comp=Z,65.54 261	eP	P	22 12 08.6	-0.9		
DBIC	comp=Z,65.54 261	eP	P	22 12 08.6	-0.9		
DBIC	comp=Z,65.54 261	eP					

ISFR	ePn	Pn	22 19 05.8	-0.3	
ISFR	e		22 19 52.9		
ISFR	comp=N,3um,0.3s				
TPRV	comp=E,6um,0.2s	3.10 243	e		
TPRV	comp=N,99nm,0.2s				
TPRV	comp=Z,99nm,0.2s				
TPRV	comp=E,99nm,0.2s				
IEMG	comp=N,4um,0.2s	3.12 340	ePn	Pn	22 19 07.8 +0.4
IEMG	comp=N,4um,0.2s				22 20 01.2
IEMG	comp=E,5um,0.2s				22 20 09.2
IEMG	comp=Z,2um,0.2s				22 20 15.0
IEMG	Shamgohli	3.12 340	ePn	Pn	22 19 07.8 +0.4
SHRO	Emangholi	3.57 296	ePn	Pn	22 19 12.1 -1.4
SHRO	Shahrood	3.57 296	ePn	Pn	22 20 04.8 0.0
SHRO	Shahrood	3.57 296	ePn	Pn	22 20 12.1 -1.4
SHRO	Ailbeez	3.73 337	ePn	Pn	22 19 12.1 -1.4
GEYT	comp=Z,0.7nm,0.3s,baz=183,slow=17,SNR=11				22 19 15.1 -0.9
GEYT	comp=Z,3.5nm,0.3s,baz=157,slow=19,SNR=19				22 19 28.4 +4.1
GEYT	comp=Z,1.7nm,0.3s,baz=147,slow=38,SNR=2.8				22 20 04.5 +4.3
GEYT	comp=Z,2.0nm,0.3s,baz=273,slow=13,SNR=4.6				22 20 04.5
ZHSF	Zahedan	4.90 172	ePn	Pn	22 19 34.0 +2.2
ZHSF	Zahedan	4.90 172	ePn	Pn	22 19 34.0 +2.2
ZHSF	Zahedan	4.90 172	ePn	Pn	22 19 34.0 +2.2
CHMN	Cheshme madani	5.04 205	ePn	Pn	22 19 35.1 +1.1
CHMN	comp=E,99nm,0.3s				22 21 09.8
CHMN	comp=N,99nm,0.3s				22 21 11.3
CHMN	comp=Z,99nm,0.3s				22 21 11.8
CHMN	Cheshme madani	5.04 205	ePn	Pn	22 19 35.1 +1.1
KHGB	Koh Gabri	5.05 217	ePn	Pn	22 19 33.9 0.0
KHGB	comp=Z,99nm,0.6s				22 21 12.9
KHGB	comp=N,99nm,0.3s				22 21 13.5
KHGB	comp=E,99nm,0.3s				22 21 33.9 0.0
ICHK	Chekechek	5.16 246	e		22 20 01.4
ICHK	comp=Z,99nm,0.2s				22 21 10.1
ICHK	comp=N,987nm,0.2s				22 21 18.6
ANAR	Anarak	5.35 258	ePn	Pn	22 19 36.9 -1.1
ANAR	comp=E,99nm,0.2s				22 21 25.2
ANAR	comp=N,99nm,0.2s				22 21 31.6
ANAR	comp=Z,99nm,0.5s				22 19 36.9 -1.1
ANAR	Anarak	5.35 258	ePn	Pn	22 19 36.9 -1.1
IGLO	Ghaloghah	5.40 294	ePn	Pn	22 19 38.3 -0.4
IGLO	comp=E,775nm,0.3s				22 21 30.7
IGLO	comp=Z,497nm,0.4s				22 21 44.9
IGLO	comp=N,1um,0.4s				22 20 08.8
IMEH	Mehriz	5.46 237	e		22 21 26.1
IMEH	comp=N,453nm,0.4s				22 19 41.3 -0.6
ISHM	Shahmirzad	5.63 285	ePn	Pn	22 21 18.5
ISAD	Sadrabad	5.86 246	e		22 21 31.5
ISAD	comp=N,794nm,0.3s				22 21 31.9
IPRN	Peran	6.48 288	ePn	Pn	22 19 52.8 -0.6
IPRN	comp=E,1um,0.2s				22 20 07.9
IPRN	comp=Z,348nm,0.1s				22 20 08.6
IPRN	comp=N,534nm,0.1s				22 20 11.9
IZEF	Zefreh	6.56 258	ePn	Pn	22 19 54.6 -0.1
IZEF	comp=E,188nm,0.2s				22 21 48.5
IZEF	comp=Z,154nm,0.2s				22 21 50.3
IZEF	comp=N,246nm,0.3s				22 22 03.1
IZEF	Zefreh	6.56 258	ePn	Pn	22 19 54.6 -0.1
IRAM	Ramesheh	6.90 249	e		22 21 58.9
IRAM	comp=N,143nm,0.3s				22 21 59.6
IRAM	comp=Z,130nm,0.3s				22 22 14.7
IRAM	comp=E,345nm,0.6s				22 22 14.7
GHVR	GHOM	7.16 272	ePn	Pn	22 20 03.0 +0.2
GHVR	comp=N,11nm,0.7s				22 22 29.0
GHVR	comp=E,15nm,0.6s				22 22 32.3
GHVR	GHOM	7.16 272	ePn	Pn	22 20 03.0 +0.2
GHVR	GHOM	7.16 272	ePn	Pn	22 20 03.0 +0.2
AKTO	Aktyubinsk	16.01 355	Pn	Pn	22 22 04.2 +1.1
KBZ	Khabaz	16.13 310	Pn	Pn	22 22 04.9 +0.3
KBZ	comp=E,0.3nm,0.3s,baz=90,slow=6.1,SNR=2.5				22 22 50.4 +0.3
BVAR	Borovoye Arr	19.97 19	P	P	22 23 01.1 -0.8
BVAR	comp=E,1.5nm,0.5s,baz=199,slow=12,SNR=19				22 23 07.6 -0.6
BRTR	Keskin Array B	21.61 292	P	P	22 23 07.6 -0.6
ARU	Arti	21.97 358	P	P	22 23 13.2 +1.5
ARU	comp=E,4.1nm,0.8s,baz=160,slow=5.3,SNR=6.3				22 24 05.5 +0.5
AKASG	Malin Array Be	27.57 315	P	P	22 25 24.7 -1.5
AKASG	comp=E,0.2nm,0.3s,baz=106,slow=9.8,SNR=2.6				22 25 36.2 -0.9
GERES	GERESS Array B	38.10 105	P	P	22 27 12.3 -2.6
GERES	comp=E,0.8nm,0.7s,baz=296,slow=6.9,SNR=3.6				22 27 57.5 -3.7
ESDC	Sonseca Array	50.32 296	P	P	22 28 26.0 -3.1
ESDC	comp=E,0.5nm,0.6s,baz=74,slow=8.3,SNR=3.7				22 31 10.8 -2.2
TORD	Torodi Arr	56.60 263	P	P	
TORD	comp=E,1.3nm,1.0s,baz=56,slow=7.7				
KOWA	Kowa	60.59 268	P	P	
KOWA	comp=E,2.5nm,0.7s,baz=63,slow=9.9,SNR=5.0				
WRA	Warramunga Arr	89.95 115	P	P	
WRA	comp=E,0.6nm,0.8s,baz=323,slow=4.2,SNR=3.0				

MAN 01 22:45:54.0, 6.44N, 126.97E, h81km, mb5.0, ML3.9, MS3.9
 ISC 01 22:45:54.8, 1.2, 6.29N, 0.08, 126.8E, 0.1, h102km, 10km,
 n18, c138/24, mb4/0.10, Mindanao

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
MATI	Mati	0.83 322	eP	Pn	22 46 12.4 -1.2	
MATI	Davao City (W)	1.42 303	eS	Pn	22 46 26.3 -1.4	
DAV	364nm,0.3s,baz=126,slow=4.0,SNR=18				22 46 20.8 +0.6	
DAV	262nm,0.3s,baz=270,slow=20,SNR=8.3				22 46 41.2 +1.8	
SKMP	Bagumbayan, Su	2.23 276	eS	Pn	22 46 30.6 +0.2	
SKMP	Musuan	2.32 313	eS	Pn	22 46 56.9 -0.8	
BUKP	Musuan	2.32 313	eS	Pn	22 46 31.5 -0.1	
BUKP	Butuan	2.90 337	eS	Pn	22 46 59.1 -0.8	
BUTP	Butuan	2.90 337	eS	Pn	22 46 40.6 +1.4	
BUTP	Pagadian	3.71 295	eS	Pn	22 47 17.4 +3.3	
PAGZ	Baumata	16.67 191	P	Pn	22 46 50.3 +0.6	
BATI	5.8nm,0.3s,baz=172,slow=1.0,SNR=3.8				22 49 45.4 +2.3	
FITZ	Fitzroy Crossi	24.25 183	P	P	22 51 03.5 +1.0	
FITZ	2.9nm,0.5s,baz=1.0,slow=12,SNR=26				22 51 28.5 +0.1	
WAR	Warramunga Arr	27.11 164	P	P	22 51 28.5 +0.1	
WAR	0.6nm,0.7s,baz=342,slow=10,SNR=4.5				22 51 59.6 +0.5	
ASAR	Alice Springs	30.57 167	P	P	22 54 55.4 -0.2	
ASAR	0.6nm,0.4s,baz=344,slow=7.2,SNR=7.1				22 53 21.0 +1.0	
NWAO	Narrogin (SRO)	40.03 193	P	P	22 55 23.6 -0.2	
NWAO	4.6nm,0.4s,baz=254,slow=7.0,SNR=16				22 55 19.0 -0.3	
STKA	Stephens Creek	40.00 160	P	P	22 55 23.6 -0.2	
STKA	2.5nm,0.7s,baz=338,slow=7.4,SNR=5.8				22 55 47.1 -1.0	
MKAR	Makanchi Array	55.51 324	P	P	22 56 24.9 -0.5	
MKAR	0.6nm,0.4s,baz=120,slow=7.3,SNR=8.4				22 56 06.7 -0.8	
KURBB	Kurchatov Arra	59.63 327	P	P	22 58 32.2 -1.4	
KURBB	1.9nm,0.7s,baz=125,slow=6.9,SNR=6.6				23 04 37.8 -0.9	
BVAR	Borovoye Array	65.22 326	P	P		
BVAR	0.8nm,0.8s,baz=123,slow=5.3,SNR=5.3					
ILAR	Eielson Array	82.79 26	P	P		
ILAR	0.3nm,0.5s,baz=245,slow=6.0,SNR=8.8					
ARCEA	ARCES Array B	88.08 340	P	P		
ARCEA	1.7nm,0.8s,baz=80,slow=5.6,SNR=5.1					
TORD	Torodi Arr	122.14 290	PKP	PKPdf		
TORD	0.1nm,0.3s,baz=67,slow=2.4					

ISCJBJ 01 22:59:11.2, 1.3, 43.57N, 0.08, 84.7E, 0.1, h10km, Error ellipse: s-maj=11.5km s-min=10.3km az=146.9
 IDC 01 22:59:14.6, 3.9, 43.64N, 85.02E, h0km, mb1 3, 0/4, mb1 2x2/9.6, mbmp3, 0/4, ML2/6/4, Error ellipse: s-maj=53.4km s-min=26.4km az=38.0
 NNC 01 22:59:19.6, 4.4, 43.63N, 84.49E, h0km, mb3, 3, mpv3.0, Error ellipse: s-maj=36.3km s-min=17.3km az=126.0
 ISC 01 22:59:15.3, 1.7, 43.66N, 0.09, 84.88E, 0.10, h10km, n8, e205/13, 3C-30, Northern Xinjiang

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
MK31	Makanchi Array	3.63 331	↑Pn	Pn	23 00 15.1 +3.5	
MK31	0.9nm,0.3s,baz=150,slow=15,SNR=86				23 00 23.4 -1.5	
MK31	0.9nm,0.2s,baz=150,slow=17,SNR=8.4				23 01 12.3	
MK31	7.5nm,0.3s,baz=144,slow=29,SNR=10				23 00 14.3 +2.7	
MK31	Makanchi Array	3.63 331	Pn	Pn	23 00 14.3 +2.7	
MK31	0.3nm,0.3s,baz=150,slow=14,SNR=20				23 00 23.3 -1.6	
MKAR	2.3nm,0.3s,baz=146,slow=18,SNR=50				23 00 52.4 -2.1	
MKAR	3.5nm,0.3s,baz=147,slow=16,SNR=8.9				23 01 12.4	
MKAR	11nm,0.3s,baz=149,slow=29,SNR=17				23 00 26.0 -1.3	
MAKZ	Makanchi	3.76 328	↑Pn	Pg	23 01 16.5	
MAKZ	1.5nm,0.3s				23 01 16.5	
PDGK	Podgornoye	3.94 267	↑Pn	Pb	23 00 25.9 +1.0	
PDGK	4.3nm,0.5s				23 01 11.7	
PDGK	9.3nm,0.3s				23 01 02.5 -2.5	
MDOK	Medeo	5.73 268	Pg	Pg	23 02 11.7	
MDOK	6.3nm,0.6s				23 01 15.8 +1.6	
KURBB	Kurchatov Arra	8.20 330	Pn	Pn	23 02 47.4 +0.5	
KURBB	0.1nm,0.3s,baz=145,slow=13,SNR=4.9				23 03 36.7	
KURBB	0.1nm,0.3s,baz=148,slow=2.1,SNR=4.9				23 03 47.2	
KURBB	0.2nm,0.3s,baz=138,slow=27,SNR=8.8				23 03 62.2	
ZALV	Zalevo Beam	10.30 360	Pn	Pn	23 03 43.2 +0.2	
ZALV	0.2nm,0.3s,baz=183,slow=7.9,SNR=2.7				23 03 37.4 -1.1	
ZALV	0.3nm,0.3s,baz=178,slow=25,SNR=5.8				23 02 54.7 -0.3	
SONMI	Songino Array	15.58 67	Pn	Pn		
SONMI	0.1nm,0.3s,baz=263,slow=12,SNR=2.7					

ISCJBJ 01 23:02:30.8, 0.7, 17.79S, 0.04, 178.49W, 0.03, h572km, 9km, mb4, 6/215, Error ellipse: s-maj=6.4km s-min=4.0km az=153.8
 BJI 01 23:02:30.5, 17.70S, 178.50W, h564km, mb4.5/14, mb4.9/16
 IDC 01 23:02:31.4, 0.5, 17.77S, 178.38W, h568km, 6km, mb4.2/32, mb1 4.3/4, mb1mx4.1/53, mbmp5, 1/34, Error ellipse: s-maj=9.1km s-min=6.7km az=145.0
 NEIC 01 23:02:32.2, 0.6, 17.78S, 178.49W, h578km, 7km, mb4, 6/182, Error ellipse: s-maj=4.8km s-min=3.3km az=143.0
 ISC 01 23:02:31.5, 0.5, 17.81S, 0.05, 178.38W, 0.05, h572km, 5km, h573km, P-P, n503, c1/09/526, mb4, 6/214, 16C-BD, Fiji Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
AFI	Afiatalu	7.44 59	P	P	23 04 42.7 -2.0	
AFI	52nm,0.3s,baz=225,slow=1.1,SNR=57				23 04 44.5 -0.6	
FUNA	Funafuti	9.53 57	S	S	23 07 12.3 +3.3	
RAO	Raoul Island	11.39 178	S	S	23 05 39.0 -0.5	
RAO	11.5nm,0.3s,baz=9.0,slow=19,SNR=5.3				23 05 37.6 -1.9	
DZM	Mont Dumac	14.89 251	P	P	23 05 38.6 -0.9	
DZM	126nm,0.8s				23 05 59.9 +2.5	
DZM	Mont Dumac	14.89 251	eP	P	23 09 01.9 -0.6	
NFK	Norfolk Island	16.79 226	P	P	23 06 15.6 +0.5	
NFK	baz=17,SNR=6.1				23 06 26.1 +0.7	
RAR	Rarotonga	17.86 104	S	S	23 06 31.9 -1.2	
RAR	4.2nm,0.3s,baz=153,slow=11,SNR=3.0				23 09 41.2 -7.1	
OZU	Soehatua	18.75 201	eP	P	23 06 31.7 -1.4	
OZU	93nm,0.8s				23 06 40.5 -1.6	
MXZ	Matakaoa Point	19.89 188	eP	P	23 06 55.6 +0.1	
MXZ	32nm,0.8s				23 07 01.8 -1.6	
LHI	Lord Howe Isla	24.56 232	eP	P	23 07 07.8 +0.6	
LHI	114nm,0.8s				23 07 15.1 +0.1	
THZ	Topohouse	25.01 196	eP	P	23 07 20.6 -0.3	
THZ	18nm,0.7s				23 07 25.2 -0.7	
KHU	Kahurangi	25.47 194	eP	P	23 07 29.4 +1.8	
KHU	201nm,2.0s				23 07 32.1 +0.8	
LTZ	Lake Taylor	26.13 196	eP	P	23 07 32.1 +	

GIRL	Giralia	62.95 253 P	P	23 12 04.3 +1.1	KVN	Kaiserville	79.81 43 eP	P	23 13 41.8 +0.4	GYA	comp=Z,110m,1.0s	SKS	SKS	23 23 35.5 -3.1
JAGI	Jajag Banyuwa	66.07 268 eP	P	23 12 21.4 -1.7	I04A	Tendick Farm,	79.84 38 P	P	23 13 41.9 +0.7	GYA	comp=Z,110m,1.0s	S	S	23 23 49.9 -0.4
CASY	Casey	66.23 205 eP	P	23 12 23.7 +0.6	214A	Organ Pipe Nat	79.93 52 P	P	23 13 42.4 +0.4	LAZ	Ladron	85.28 52 eP	P	23 14 10.1 +1.1
MJAR	Matsushiro Arr	67.85 323 P	P	23 12 33.0 -0.5	TPNV	Topopah Spring	79.93 46 P	P	23 13 42.6 +0.6	LENM	Lemitar	85.40 52 eP	P	23 14 10.0 +0.9
MAT	Matsushiro	67.85 323 P	P	23 12 33.1 -0.4	TPNV	Topopah Spring	79.93 46 P	P	23 13 43.0 +1.0	HWUT	Hardware Ranch	85.40 44 eP	P	23 14 09.3 -0.1
UGM	Wanagana	69.68 268 eP	P	23 12 43.4 -1.5	NEE2	Needles Airpor	79.97 49 P	P	23 13 42.8 +0.7	NEW	Newport	85.42 36 P	P	23 14 08.8 -0.3
ASAJ	Asahikawa	71.21 331 P	P	23 12 54.3 +1.0	MOD	Modoc Plateau	79.99 40 eP	P	23 13 42.7 +0.5	NEW	Newport	85.42 36 P	P	23 14 08.8 -0.3
YULB	Yu-li	71.75 303 eP	P	23 12 56.1 -0.8	PDMCI	Parker Dam,Lak	80.08 49 P	P	23 13 43.3 +0.7	CCB	Clear Creek Bu	85.46 13 eP	P	23 14 07.5 -1.4
SSLB	Suanglung	72.21 303 eP	P	23 12 58.0 -1.6	K05A	Summer Lake	80.11 39 eP	P	23 13 43.8 +0.9	MVCO	Mesa Verde	85.49 49 P	P	23 14 10.1 0.0
TPUB	Ta-pu	72.24 302 eP	P	23 12 57.8 -2.0	CNPM	China Pool	80.19 14 eP	P	23 13 42.4 -0.2	MNTX	Cornudas Mount	85.50 55 P	P	23 14 10.1 +0.2
QSPA	South Pole Qui	72.24 180 P	P	23 12 57.0 +1.0	G03D	McMinnville, O	80.21 36 P	P	23 13 44.1 +1.0	MNTX	Cornudas Mount	85.50 55 eP	P	23 14 10.8 +0.9
QSPA	South Pole Qui	72.24 180 P	P	23 12 59.2 0.0	J05D	Fort Rock, OR	80.23 38 P	P	23 13 43.9 +0.5	BNM	Barren Site	85.55 52 eP	P	23 14 11.2 +0.8
CISI	Cisompot, Garu	72.36 268 eP	P	23 12 59.9 -0.9	SHPR	Sheep Range	80.46 47 eP	P	23 13 45.9 +1.1	IM3	Indian Mountai	85.58 10 eP	P	23 14 08.6 -0.9
PETK	Petrovlovsk-	73.60 345 P	P	23 13 06.4 -0.5	BRLK	Bradley Lake	80.48 14 eP	P	23 13 43.6 -0.6	PV09	Paradox Valley	85.62 47 eP	P	23 14 11.4 +0.7
PETK	Petrovlovsk-	73.60 345 eP	P	23 13 06.7 -0.2	H04A	Detroit Lake	80.50 37 eP	P	23 13 44.8 +0.2	MDM	Murphy Dome	85.67 12 eP	P	23 14 08.8 -1.2
KSRS	Korea Array	74.65 318 P	P	23 13 13.4 +0.3	W13A	Hualapai Mount	80.66 49 eP	P	23 13 46.7 +0.8	COLA	College	85.68 13 eP	P	23 14 08.9 -1.0
KSAR	Wonju Array Be	74.67 318 P	P	23 13 13.4 +0.2	PINE	Pine Mountain	80.70 38 eP	P	23 13 46.7 +0.8	PV04	Paradox Valley	85.73 48 eP	P	23 14 11.1 +0.1
CHGN	Chignik	75.72 11 eP	P	23 13 17.8 -0.9	SVW2	Sparrevohn	80.74 11 eP	P	23 13 44.5 -1.0	DLBC	Dease Lake	85.73 23 P	P	23 14 10.0 -0.4
ANZ	Anzar Road	76.31 44 eP	P	23 13 24.9 +2.5	I05D	Tennoonee, OR	80.78 38 P	P	23 13 46.8 +0.7	DLBC	Dease Lake	85.73 23 eP	P	23 14 10.6 +0.1
SAO	San Andreas Ge	76.33 44 eP	P	23 13 23.9 +0.4	R11A	Troy Canyon, C	81.11 45 P	P	23 13 44.8 +0.3	ILAR	Eielson Array	85.79 13 eP	pP	23 14 09.2 +0.4
PMPB	Monarch Peak	76.45 45 eP	P	23 13 23.2 -0.1	BMN	Battle Mountai	81.12 43 eP	P	23 13 48.3 +0.2	IL1	Eielson Array	85.79 13 eP	pP	23 14 08.9 -1.6
PAGB	Antelope Grade	76.56 45 eP	P	23 13 25.0 +1.2	NLWA	Neilton Lookou	81.22 34 eP	P	23 13 48.9 +0.7	IL1	Eielson Array	85.79 13 eP	pP	23 14 11.1 +0.3
KMRM	Mali Ridge	76.92 40 eP	P	23 13 27.2 +1.5	WVOR	Wild Horse Val	81.32 40 eP	P	23 13 49.7 +0.6	PV01	Paradox Valley	85.85 48 eP	P	23 14 12.1 +0.4
PASC	Padadena Art C	77.14 48 eP	P	23 13 27.6 +0.6	G05D	Wamic, OR	81.33 37 P	P	23 13 49.7 +0.6	TX31	Lajas Ar. Si	85.92 58 eP	P	23 14 13.5 +1.4
ARVC	Arvin	77.20 46 P	P	23 13 27.8 +0.5	TUC	Tucson	81.62 52 P	P	23 13 51.8 +1.1	TXAR	Lajas Ar. Si	85.92 58 P	P	23 14 13.4 +1.4
MWC	Mount Wilson	77.25 48 eP	P	23 13 28.2 +0.4	TUC	Tucson	81.62 52 eP	P	23 13 52.1 +1.3	TXAR	Lajas Ar. Si	85.92 58 P	pP	23 16 14.7 -0.7
MES	Vestal, Richgr	77.41 46 P	P	23 13 28.8 +0.4	I07A	Izeze	81.71 39 eP	P	23 13 52.0 +1.1	PV07	Paradox Valley	85.93 48 eP	P	23 14 13.0 +0.9
VERC	Murrieta	77.54 48 P	P	23 13 29.8 +0.6	G06A	Carlson Farm,	81.72 37 eP	P	23 13 51.1 +0.2	PV15	Paradox Valley	86.01 48 eP	P	23 14 13.0 +0.5
BFSC	Mount Baldy Ra	77.54 48 P	P	23 13 29.7 +0.4	J08A	Circle Bar Ran	81.93 40 eP	P	23 13 52.5 +0.5	TASM	ASL Pad, Albuq	86.01 52 P	P	23 14 12.7 +0.2
OHAK	Old Harbor	77.63 14 eP	P	23 13 27.7 -1.4	LON	Longmeir	81.94 35 eP	P	23 13 52.2 +0.2	ANMO	Albuquerque	86.01 52 P	P	23 14 12.8 +0.3
EDW2	Edwards Air Fo	77.64 47 P	P	23 13 30.4 +0.6	SUA	Susitna One	82.04 13 eP	P	23 13 51.5 -0.7	ANMO	Albuquerque	86.01 52 P	P	23 14 12.5 0.0
ISA	Isabella, Lake	77.73 46 P	P	23 13 30.8 +0.5	LCMT	Little Creek M	82.04 47 eP	P	23 13 53.7 +0.8	ANMO	Albuquerque	86.01 52 eP	P	23 14 12.8 +0.3
ISA	Isabella, Lake	77.73 46 eP	P	23 13 31.3 +1.0	X16A	Lo Mia Camp, P	82.01 50 eP	P	23 13 54.4 +1.1	TASL	Snake Pit, Alb	86.02 52 P	P	23 14 12.7 +0.2
MONP2	Mountant Peak	77.73 49 P	P	23 13 31.2 +0.8	BBB	Bella Bella	82.22 29 P	P	23 13 53.1 0.0	MCMT	McKenzie Canyo	86.15 40 eP	P	23 14 13.9 +0.9
CMB	Columbia Colle	77.75 43 eP	P	23 13 30.7 +0.4	CCUT	Cedar City	82.22 47 eP	P	23 13 55.0 +1.1	XAN	Xi'an	86.23 307 P	pmxax	23 14 14.4 +1.1
IKP	In-Ko-Pan, Jac	77.83 50 P	P	23 13 31.4 +0.5	SKT	Skwentna	82.34 12 eP	P	23 13 55.6 -1.0	MSO	Missoula	86.49 38 P	P	23 14 14.3 -0.1
WDC	Whiskeytown Da	77.85 40 eP	P	23 13 31.7 +1.0	KNB	Kanab	82.34 47 eP	P	23 13 55.5 +1.0	MSO	Missoula	86.49 38 eP	P	23 14 14.1 -0.3
AFDM	Forest Hills D	77.89 42 eP	P	23 13 31.6 +0.6	319A	Douglas	82.34 54 eP	P	23 13 56.1 +1.6	DLMT	Dillon	86.57 40 eP	P	23 14 15.4 +0.6
ORV	Oroville	77.90 41 eP	P	23 13 31.4 +0.4	PSUT	Pine Spring	82.37 46 eP	P	23 13 55.2 +0.6	TPAW	Teton Pass	86.70 42 eP	P	23 14 16.3 +0.6
NJ2	Nanjing	77.90 309 eP	pmxax	23 13 32.7 +1.6	U15A	North Rim	82.43 48 eP	P	23 13 56.2 +1.1	REDW	Red Top Meadow	86.70 42 eP	P	23 14 16.2 +0.6
NJ2	Nanjing	77.90 309 eP	pmxax	23 13 32.7 +1.6	SZCU	Shurtz Canyon	82.44 47 eP	P	23 13 55.9 +1.0	FXWY	Fire Creek	86.72 42 eP	P	23 14 16.2 +0.5
N02D	Trinity Center	77.98 40 P	P	23 13 32.4 +0.9	ELK	Elko	82.57 43 P	P	23 13 59.4 +3.8	SNOW	Snow King Moun	86.81 42 eP	P	23 14 16.9 +0.8
PFO	Pinyon Flats O	78.07 49 P	P	23 13 32.9 +0.7	WUAZ	Wupatki	82.66 49 eP	P	23 13 56.5 +0.4	LRM	Limekiln Ridge	86.88 40 eP	P	23 14 16.9 +0.5
03D	Paynes Creek	78.14 41 P	P	23 13 33.1 +0.8	WUAZ	Wupatki	82.66 49 eP	P	23 13 57.2 +1.2	IMW	Indian Meadow	86.90 42 eP	P	23 14 17.5 +0.9
M02C	Callahan	78.14 39 P	P	23 13 33.3 +1.0	B05A	Bryant	82.70 34 P	P	23 13 56.2 +0.5	S22A	4UR Ranch, Cre	86.92 49 P	P	23 14 17.0 +0.1
L02D	Cave Junction,	78.16 38 P	P	23 13 33.3 +1.0	G08A	Pilot Rock	82.72 38 eP	P	23 13 56.5 +0.4	S22A	4UR Ranch, Cre	86.92 49 eP	P	23 14 17.5 +0.7
LRMC	Laurel Mtn Rad	78.18 47 P	P	23 13 33.4 +0.6	LTY	Liberty	82.78 35 eP	P	23 13 57.0 +0.2	MOOW	Moose Ponds	86.95 42 eP	P	23 14 17.4 +0.7
SWSC	Sam W. Stewart	78.21 50 P	P	23 13 33.4 +0.6	SML	Sawmill	82.88 14 eP	P	23 13 55.4 -0.9	O20A	White River Ci	86.96 46 eP	P	23 14 17.1 +0.2
KDAK	Kodiak Island	78.30 14 P	P	23 13 32.3 -0.3	DIV	Divide	82.90 15 eP	P	23 13 55.8 -0.7	O20A	White River Ci	86.96 46 eP	P	23 14 17.5 +0.6
KDAK	Kodiak Island	78.30 14 eP	P	23 13 32.4 -0.3	PKCU	Pink Cliffs	82.90 47 eP	P	23 13 59.5 +2.1	LOHW	Long Hollow	86.98 42 eP	P	23 14 17.2 +0.4
MDPB	Devils Postpil	78.39 44 eP	P	23 13 34.9 +1.0	PPLA	Purkeypille	83.04 12 eP	P	23 13 56.6 -0.7	DAWY	Dawson	86.99 16 eP	P	23 14 15.9 -0.3
CWC	Cottonwood Cre	78.41 46 P	P	23 13 34.6 +0.6	BMRM	Bremner River	83.06 16 eP	P	23 13 56.6 -0.7	QLMT	Earthquake Lak	87.03 41 eP	P	23 14 18.2 +1.1
OMWB	Old Mammoth M	78.43 44 eP	P	23 13 34.9 +0.7	KLU	Klutina	83.17 15 eP	P	23 13 57.4 -0.5	EGAK	Eagle	87.12 15 eP	P	23 14 16.2 -0.5
YBH	Yreka Blue Hor	78.43 39 P	P	23 13 34.7 +0.7	X18A	Snowflake	83.24 51 eP	P	23 13 59.6 +0.6	HHC	Hu-ho-hao-te	87.23 314 eP	pmxax	23 14 22.3 +4.3
YBH	Yreka Blue Hor	78.43 39 eP	P	23 13 34.8 +0.9	MTPU	Mount Pierson	83.28 47 eP	P	23 14 00.8 +1.4	HHC	Hu-ho-hao-te	87.23 314 eP	pmxax	23 14 22.3 +4.3
MLAC	Mammoth, Mammo	78.55 44 P	P	23 13 35.6 +0.8	HPIG	Hopewell	83.35 59 eP	P	23 14 02.2 +0.5	BOZ	Bozeman (W)	87.26 40 P	P	23 14 18.7 +0.6
BELC	Belle Mtn. Jos	78.60 49 P	P	23 13 35.6 +0.6	BMO	Blue Mountains	83.45 39 eP	P	23 13 59.7 0.0	BOZ	Bozeman (W)	87.28 40 eP	P	23 14 18.7 +0.6
MPMC	Manual Propsec	78.62 46 P	P	23 13 35.7 +0.6	MSU	Marysville	83.51 46 eP	P	23 14 02.4 +2.1	COLD	Coldfoot	87.32 11 eP	P	23 14 17.4 -0.2
WAKR	Walker	78.63 43 eP	P	23 13 36.2 +1.0	CASL	Cascade Rocks	83.53 12 eP	P	23 13 57.6 -1.9	H17A	Grant Village	87.32 42 P	P	23 14 19.0 +0.3
GSC	Goldstone, Bar	78.69 47 eP	P	23 13 36.0 +0.5	MFID	Camas Ranch	83.58 41 eP	P	23 14 00.8 +0.4	WALA	Waterton Lakes	87.64 36 eP	P	23 14 20.0 +0.3
GSC	Goldstone, Bar	78.69 47 eP	P	23 13 35.9 +0.5	SEY	Seymchan	83.69 347 P	P	23 13 59.8 -0.5	FYU	Fort Yukon	87.69 13 eP	P	23 14 18.2 -1.2
HEC	Hector,Ludlow	78.78 48 P	P	23 13 36.3 +0.4	DUG	Dugway, Tooele	83.89 45 P	P	23 14 01.1 0.0	HRY	Holter Researc	87.69 39 eP	P	23 14 20.6 +0.6
BEKR	Beckworth	78.80 42 eP	P	23 13 36.6 +0.5	DUG	Dugway, Tooele	83.89 45 eP	P	23 14 02.2 +0.2	LNIG	Linare	87.76 63 eP	P	23 14 20.8 +0.1
BC3	Big Chuckawall	78.81 49 P	P	23 13 36.8 +0.7	PSI	Prapat	83.91 275 P	P	23 14 02.0 -0.6	KMI	Kunming	87.82 297 P	pmxax	23 14 19.7 -1.5
PNTR	Pine Nut	78.85 43 eP	P	23 13 37.5 +1.1	PSI	Prapat	83.91 275 eP	P	23 14 02.0 -0.6	SDCO	Great Sand Dun	87.88 49 P	P	23 14 21.1 -0.3
GLNR	Virginia City	78.93 43 eP	P	23 13 37.9 +1.1	TRF	Thorofare Moun	83.91 12 eP	P	23 14 00.2 -1.4	SDCO	Great Sand Dun	87.88 49 eP	P	23 14 21.8 +0.4
CLVA	Glamis	78.97 50 P	P	23 13 37.5 +0.6	MAW	Mawson	83.96							

Table with columns: JCT, Junction City, Time, Res, P, S, Pmax, and various station codes like AMTX, ABTX, SNA, VNA3, etc.

Table with columns: TLB, CLL, CLL, Ostrava-Krasne, etc., and various station codes like DPC, LANS, BRG, KRLC, etc.

Table with columns: HHC, Hu-ho-hao-te, Time, Res, P, S, Pmax, and various station codes like STKA, CM01, CMAR, etc.

CSEM 01 23:20:03.2, 37:08N-28:64E, h16km, ML2.0, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station codes like TUR, DALY, etc.

BUI 01 23:25:19.0, 21:90S-169:70E, h10km, mb4.9/10, mB5.0/8

ISCJB 01 23:25:20.8, 0.5, 21:98S-168:95E, h10km, mb4.5/20, mb1.6/25, mb1mx4.4/5, mbtmp4.5/22, ML4.0/2, MS3.9/15, M1.3/8/15, ms1mx3.5/4.1, Error ellipse: s-maj=16.2km s-min=14.6km az=97.0

NEIC 01 23:25:23.7, 4.2, 21:94S-168:93E, h18km, 25km, mb4.8/6, Error ellipse: s-maj=9.8km s-min=6.8km az=51.0

ISCJB 01 23:25:24.0, 0.4, 21:99S-0:07, h168:91E, 0:06, h31km, mb4.6/29, MS3.8/14, Error ellipse: s-maj=9.8km s-min=6.0km az=66.0

ISC 01 23:25:25.8, 0.5, 22:00S-0:10, h168:88E, 0:07, h31km, n95, 0:81/89, mb4.6/29, MS3.8/14, 2D, Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station codes like DZM, DZM, DZM, etc.

PCRV	comp=Z,12nm,0.7s,baz=164,slow=5.9,SNR=7.4	LR	LR	00 03 22.2			
RCBR	comp=Z,960nm,20.3s,baz=168,slow=37	40.29	63 eP	P	23 46 41.5	-1.6	
RCBR	comp=Z,77nm,1.4s	40.29	63 eP	P	23 46 41.5	-1.6	
RCBR	comp=Z,77nm,1.4s	42.46	341 eP	P	23 47 01.3	+0.6	
ESPN	Las Esperanzas	46.45	5 eP	P	23 47 31.2	-1.3	
CRPR	Cabo Rojo, PR	46.53	6 eP	sP	23 47 47.1	-0.4	
CRPR	Obispado Ponce	46.53	6 eP	sP	23 47 47.1	-0.4	
OBIP	comp=Z,77nm,1.0s	46.64	7 eP	P	23 47 32.3	-1.7	
SJG	San Juan	46.64	7 eP	P	23 47 32.3	-1.7	
SJG	San Juan	46.64	7 eP	P	23 47 32.3	-1.7	
AOPR	comp=Z,40nm,0.8s	46.81	6 eP	P	23 47 35.3	-0.1	
AOPR	Arecibo Observ	46.81	6 eP	P	23 47 35.3	-0.1	
CBYP	Canovanas	46.83	7 eP	sP	23 47 33.6	-2.0	
CBYP	Neumayer Olymp	54.14	159 eP	P	23 47 49.4	-1.1	
WNA3	Neumayer-Slat	54.41	159 P	P	23 48 32.4	+0.2	
VNA1	Ave Maria	54.46	349 P	P	23 48 40.3	+0.1	
059A	Moore Haven	56.03	349 P	P	23 48 44.6	+0.3	
058A	Arcadia	56.23	349 P	P	23 48 45.9	+0.3	
SNAA	Sanae	56.36	159 P	P	23 48 45.0	-1.2	
SNAA	Sanae	56.36	159 P	P	23 48 45.2	-1.1	
SNAA	comp=Z,26nm,0.7s,baz=274,slow=8.1,SNR=9.4	56.36	159 eP	P	23 48 45.2	-1.1	
SNAA	Sanae	56.36	159 eP	P	23 48 45.2	-1.1	
SNAA	Sanae	56.36	159 eP	P	23 48 44.8	-1.5	
859A	Kempfer Cattle	57.06	350 P	P	23 48 50.1	-1.5	
RKT	Rikitea	57.12	260 eS	S	23 56 45.6	+0.4	
RKT	comp=Z,680nm,32.2s	57.12	260 eS	S	23 56 45.6	+0.4	
RKT	comp=Z,729nm,22.5s	57.12	260 eT	LR	00 05 39.1		
RKT	Rikitea	57.12	260 eT	LR	00 05 07.7		
757A	Oxford	58.12	349 P	P	23 48 58.6	-0.3	
656A	Willston	58.62	348 P	P	23 49 01.8	-0.6	
657A	Interlachen	58.71	349 P	P	23 49 02.7	-0.4	
655A	Horseshoe Beac	58.88	348 P	P	23 49 03.8	-0.5	
557A	Orange Park	59.11	349 P	P	23 49 06.1	+0.2	
556A	Lake Butler	59.21	349 P	P	23 49 06.6	0.0	
ZAIG	Zacatecas	59.34	326 eP	P	23 49 09.8	+1.8	
555A	McAlpin	59.43	348 P	P	23 49 07.5	-0.5	
555A	McAlpin	59.43	348 eP	P	23 49 07.5	-0.5	
554A	Perry	59.52	347 P	P	23 49 08.1	-0.7	
LNIG	Linare	59.72	330 eP	P	23 49 09.9	-0.3	
553A	Crawfordville	59.77	347 P	P	23 49 10.3	-0.2	
456A	Hilliard	59.85	349 P	P	23 49 10.7	-0.3	
456A	Hilliard	59.85	349 eP	P	23 49 10.4	-0.5	
454A	Quitman	60.13	348 P	P	23 49 12.7	-0.2	
453A	Whigham	60.40	347 P	P	23 49 14.5	-0.2	
453A	Whigham	60.40	347 eP	P	23 49 14.3	-0.4	
357A	Townsend	60.45	350 P	P	23 49 14.4	-0.6	
452A	Marianna	60.57	346 P	P	23 49 15.6	-0.2	
TIGA	Tifton	60.82	348 P	P	23 49 17.3	-0.3	
353A	Camilla	60.85	347 P	P	23 49 17.1	-0.7	
NVL	NWzarevskaya	61.04	158 eP	P	23 49 18.0	-0.7	
NVL	NWzarevskaya	61.04	158 eS	S	23 57 41.3	+6.8	
NVL	comp=Z,34nm,1.2s	61.06	350 P	P	23 49 19.0	-0.2	
256A	Glennville	61.07	346 P	P	23 49 19.1	-0.2	
351A	Pinckard	61.07	346 P	P	23 49 19.1	-0.2	
255A	Hazlehurst	61.10	349 P	P	23 49 19.0	-0.5	
352A	Blakely	61.12	347 P	P	23 49 19.2	-0.4	
352A	Blakely	61.12	347 eP	P	23 49 19.4	-0.3	
254A	Abbeville	61.26	348 P	P	23 49 19.5	-1.1	
253A	Americus	61.53	347 P	P	23 49 21.4	-1.0	
253A	Americus	61.53	347 eP	P	23 49 22.0	-0.4	
QSPA	South Pole Qui	61.67	180 P	P	23 49 22.9	-0.4	
QSPA	South Pole Qui	61.67	180 eP	P	23 49 23.0	-0.2	
251A	Midway	61.82	346 P	P	23 49 23.2	-1.1	
444A	Pine Grove	61.83	341 P	P	23 49 24.6	+0.1	
347A	Saraland	61.88	343 P	P	23 49 24.8	+0.1	
250A	Grady	61.89	345 P	P	23 49 24.2	-0.5	
250A	Grady	61.89	345 eP	P	23 49 24.3	-0.5	
NHSC	New Hope	61.92	351 P	P	23 49 25.1	+0.2	
249A	Camden	62.08	345 P	P	23 49 25.7	-0.4	
151A	Opelika	62.22	346 P	P	23 49 26.1	-1.0	
150A	Eclectic	62.44	346 P	P	23 49 27.7	-0.9	
Z54A	Sparta	62.44	349 P	P	23 49 27.5	-1.0	
247A	Quitman	62.52	343 P	P	23 49 29.1	+0.1	
344A	Westbrook Farm	62.52	341 P	P	23 49 29.7	+0.6	
344A	Westbrook Farm	62.52	341 eP	P	23 49 30.1	+1.1	
149A	Jones	62.60	345 P	P	23 49 28.4	-1.2	
Z52A	Williamson	62.68	347 P	P	23 49 29.3	-0.8	
833A	Chaparral WMA	62.69	332 P	P	23 49 30.7	+0.5	
833A	Chaparral WMA	62.69	332 eP	P	23 49 31.3	+1.0	
GOGA	Godfrey	62.72	348 P	P	23 49 29.1	-1.2	
GOGA	Godfrey	62.72	348 eP	P	23 49 29.7	-0.7	
GOGA	Godfrey	62.72	348 eP	P	23 49 29.7	-0.7	
GOGA	Godfrey	62.72	348 eP	P	23 49 29.7	-0.7	
HKT	Hockley	62.77	336 eP	P	23 49 31.7	+1.0	
HKT	Hockley	62.77	336 eP	P	23 49 31.7	+1.0	
HKT	Hockley	62.77	336 eP	P	23 49 31.7	+1.0	
245A	Little AP, Sta	62.83	342 P	P	23 49 31.2	+0.1	
342A	Flagon Creek P	62.92	340 P	P	23 49 32.7	+1.0	
342A	Flagon Creek P	62.92	340 eP	P	23 49 32.9	+1.2	
342A	Flagon Creek P	62.92	340 eP	P	23 49 44.6	+1.8	
Y54A	Tignall	63.03	349 P	P	23 49 31.4	-1.0	
Z50A	Ashland	63.05	346 P	P	23 49 31.9	-0.7	
Z50A	Ashland	63.05	346 eP	P	23 49 31.6	-1.0	

244A	Avery, Jackson	63.06	341 P	P	23 49 33.0	+0.3	
LRAL	Lakeview Retre	63.07	345 P	P	23 49 31.8	-0.9	
LRAL	Lakeview Retre	63.07	345 eP	P	23 49 31.6	-1.1	
Z49A	Columbiana	63.12	346 P	P	23 49 32.0	-1.0	
SACV	Santiago Islan	63.13	53 eP	P	23 49 31.0	-2.5	
341A	Kurthwood	63.14	339 P	P	23 49 33.7	+0.5	
341A	Kurthwood	63.14	339 eP	P	23 49 32.9	-0.2	
341A	Kurthwood	63.14	339 eP	P	23 49 45.6	+1.4	
Y53A	Monroe	63.18	348 P	P	23 49 32.6	-0.8	
VBMS	Vicksburg	63.18	342 P	P	23 49 33.4	0.0	
Y52A	Liblum	63.27	348 P	P	23 49 33.0	-1.1	
Y52A	Liblum	63.27	348 eP	P	23 49 33.1	-0.9	
Y52A	Liblum	63.27	348 eP	P	23 49 45.1	0.0	
Z47A	Carrollton	63.48	344 P	P	23 49 34.6	-0.8	
Y51A	Rockmart	63.49	347 P	P	23 49 34.5	-1.0	
242A	Grayson	63.50	340 P	P	23 49 35.7	+0.2	
Z48A	Northport	63.53	345 P	P	23 49 34.8	-0.9	
241A	Mo Tay, Goudon	63.70	339 P	P	23 49 37.2	+0.4	
Y49A	Blount Mountai	63.73	346 P	P	23 49 36.2	-0.9	
X53A	Estanoollee	63.76	349 P	P	23 49 36.6	-0.6	
143A	Socs Landing,	63.88	341 P	P	23 49 38.5	+0.5	
143A	Socs Landing,	63.88	341 eP	P	23 49 39.2	+1.2	
Y48A	Jasper	63.95	345 P	P	23 49 37.5	-1.0	
X52A	Dahlonega	63.96	348 P	P	23 49 37.9	-0.7	
240A	Hunter Patters	63.98	339 P	P	23 49 39.1	+0.4	
240A	Hunter Patters	63.98	339 eP	P	23 49 39.4	+0.6	
NATX	Nacogdoches	64.02	338 P	P	23 49 39.1	+0.2	
NATX	Nacogdoches	64.02	338 eP	P	23 49 40.2	+1.3	
Z45A	Winona	64.05	343 P	P	23 49 39.4	+0.3	
Z45A	Winona	64.05	343 eP	P	23 49 40.0	+0.9	
KMSC	Kings Mountain	64.08	351 P	P	23 49 38.8	-0.5	
Y47A	JCPARC, Winifie	64.10	345 P	P	23 49 38.9	-0.5	
X51A	Calhoun	64.10	347 P	P	23 49 39.0	-0.4	
X51A	Calhoun	64.10	347 eP	P	23 49 39.2	-0.2	
X50B	Fort Payne	64.16	347 P	P	23 49 38.9	-1.0	
Y46A	Houston	64.32	344 P	P	23 49 40.3	-0.7	
X49A	Woodville	64.34	346 P	P	23 49 40.2	-0.8	
W53A	Cullowhee	64.39	349 P	P	23 49 40.6	-0.9	
X48A	Hartselle	64.44	345 P	P	23 49 41.0	-0.6	
X48A	Hartselle	64.44	345 eP	P	23 49 41.1	-0.6	
W52A	Murphy	64.44	348 P	P	23 49 41.2	-0.5	
140A	Cam and Jess,	64.48	339 P	P	23 49 41.4	-0.6	
140A	Cam and Jess,	64.48	339 eP	P	23 49 42.5	+0.5	
Y45A	Yeager Farm, C	64.48	343 P	P	23 49 41.4	-0.5	
W51A	Cleveland	64.66	348 P	P	23 49 42.5	-0.7	
X47A	Russelville	64.69	345 P	P	23 49 42.3	-1.0	
JCT	Junction City	64.76	333 P	P	23 49 44.4	+0.5	
JCT	Junction City	64.76	333 eP	P	23 49 44.7	+0.7	
W50A	Signal Mountai	64.80	347 P	P	23 49 43.5	-0.6	
W50A	Signal Mountai	64.80	347 eP	P	23 49 43.6	-0.6	
Z41A	Richland Creek	64.81	340 P	P	23 49 44.0	-0.1	
Z41A	Richland Creek	64.81	340 eP	P	23 49 45.3	+1.2	
Y53A	Saluda	64.82	350 P	P	23 49 43.3	-0.9	
Y43A	Makylia and Ka	64.89	342 P	P	23 49 45.2	+0.6	

WMOK	comp-Z,11nm,1.1s	68.16 346	P	P	23 50 04.1 -1.3	SFIN	baz=165,SNR=5.4	Lafayette	70.16 347	eP	P	23 50 16.5 -1.3	N36A	Muff Farm, Cla	72.47 341	P	P	23 50 31.6 -0.1
R46A	Gibson Southern	68.16 346	P	P	23 50 04.1 -1.3	O44A	Manfield	70.23 346	P	P	P	23 50 17.0 -1.2	L41A	Preston	72.51 345	P	P	23 50 31.1 -0.8
GD12	Guadalupe Moun	68.17 330	eP	P	23 50 07.1 +1.3	Q39A	Willow Grove F	70.27 342	P	P	P	23 50 18.4 -0.1	PKRO	Picking	72.53 354	P	P	23 50 31.9 -0.1
TUL1	Leonard	68.19 339	eP	P	23 50 05.6 -0.1	Q38A	Cooks Store, C	70.36 342	P	P	P	23 50 19.1 0.0	M38A	Pleasantville	72.55 343	P	P	23 50 31.6 -0.0
TUL1	Leonard	68.19 339	eP	P	23 50 05.6 -0.1	P41A	Barry, Barry	70.37 344	P	P	P	23 50 18.4 -0.7	TIC	Trinidad	72.56 72	eP	P	23 50 31.3 -1.9
MNTX	Cornudas Mount	68.20 329	P	P	23 50 05.5 -0.4	P40A	Paris	70.48 343	P	P	P	23 50 19.7 -0.1	K43A	Burlington	72.65 347	P	P	23 50 31.9 -0.9
MNTX	Cornudas Mount	68.20 329	eP	P	23 50 05.5 -0.4	P40A	Paris	70.48 343	eP	P	P	23 50 19.6 -0.1	L40A	Anamosa	72.67 344	P	P	23 50 32.2 -0.7
MCWV	Mont Chateau	68.34 353	P	P	23 50 05.8 -0.8	P40A	Paris	70.52 341	P	P	P	23 50 20.3 +0.3	L40A	Anamosa	72.68 327	eP	P	23 50 34.6 +1.2
T40A	Manfield	68.37 342	P	P	23 50 06.3 +0.5	O43A	Sugar Creek Fa	70.54 345	P	P	P	23 50 19.2 -0.9	X18A	Snowflake	72.76 327	eP	P	23 50 34.6 +1.2
MVL	Millersville	68.37 356	eP	P	23 50 07.5 +0.8	BNY	Binghamton	70.54 356	P	P	P	23 50 20.1 -0.1	KIC	Kosan Boka	72.68 73	eP	P	23 50 46.7 +2.1
MVL	Millersville	68.37 356	eP	P	23 50 07.5 +0.8	BNY	Binghamton	70.54 356	eP	P	P	23 50 20.1 -0.1	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
R45A	Skyilar, Fairri	68.40 346	P	P	23 50 18.6 +0.7	BNY	Binghamton	70.54 356	eP	P	P	23 50 20.1 -0.1	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
T39A	Cleveland	68.49 341	P	P	23 50 07.7 +0.1	BNY	Binghamton	70.54 356	eP	P	P	23 50 20.1 -0.1	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
S42A	Caledonia	68.50 343	P	P	23 50 06.7 -0.9	N46A	Minticello	70.59 348	P	P	P	23 50 19.5 -0.9	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
R44A	Wattonville	68.54 345	P	P	23 50 06.9 -0.9	P39B	Salisbury	70.62 342	P	P	P	23 50 20.2 -0.4	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
SBA	Scott Base	68.55 191	eP	P	23 50 08.8 +1.3	O42A	Bath	70.63 345	P	P	P	23 50 20.6 0.0	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
SBA	Scott Base	68.55 191	eP	P	23 50 08.8 +1.3	SYO	Syowa Base	70.65 159	eX	P	P	23 50 18.0 -2.5	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
SBA	Scott Base	68.55 191	eP	P	23 50 08.8 +1.3	N45A	Kentland	70.70 347	P	P	P	23 50 19.8 -1.3	DBIC	Dimbokro	72.75 72	P	P	23 50 32.6 -1.5
S41A	Jilco Farms,	68.57 343	P	P	23 50 07.6 -0.4	HRV	Adam Dzewonsk	70.70 360	P	P	P	23 50 21.0 0.0	M37A	Trine Farm#1	72.76 342	P	P	23 50 33.5 0.0
FVM	French Village	68.61 344	eP	P	23 50 09.2 +0.9	HRV	Adam Dzewonsk	70.70 360	eP	P	P	23 50 21.0 +0.1	LONY	Lake Ozonia	72.88 357	P	P	23 50 32.8 -1.3
FVM	French Village	68.61 344	eP	P	23 50 09.2 +0.9	HRV	Adam Dzewonsk	70.70 360	eP	P	P	23 50 21.0 +0.1	LONY	Lake Ozonia	72.88 357	eP	P	23 50 32.8 -1.3
FVM	French Village	68.61 344	eP	P	23 50 09.2 +0.9	HRV	Adam Dzewonsk	70.70 360	eP	P	P	23 50 21.0 +0.1	LONY	Lake Ozonia	72.88 357	eP	P	23 50 32.8 -1.3
Q47A	Bedord North L	68.64 347	P	P	23 50 07.5 -0.9	HRV	Adam Dzewonsk	70.70 360	eP	P	P	23 50 21.0 +0.1	LONY	Lake Ozonia	72.88 357	eP	P	23 50 32.8 -1.3
R43A	Red Bud	68.76 344	P	P	23 50 08.6 -0.6	HRV	Adam Dzewonsk	70.70 360	eP	P	P	23 50 21.0 +0.1	LONY	Lake Ozonia	72.88 357	eP	P	23 50 32.8 -1.3
T38A	Diamond	68.77 340	P	P	23 50 09.5 +0.2	O41A	Passy Farm,	70.74 344	P	P	P	23 50 20.7 -0.7	L39A	Vinton	72.91 344	P	P	23 50 33.3 -1.1
S40A	Lebanon	68.78 342	P	P	23 50 09.4 0.0	N44A	Piper City	70.77 346	P	P	P	23 50 20.3 -1.3	K42A	Prairie Point,	72.93 346	P	P	23 50 33.8 -0.6
O56A	Blue Knob Stat	68.81 354	P	P	23 50 09.7 +0.2	ERPA	Erie	70.79 353	P	P	P	23 50 20.6 -1.0	DELO	Deloro Mine	72.95 355	P	P	23 50 33.1 -1.4
O56A	Blue Knob Stat	68.81 354	eP	P	23 50 09.8 +0.2	HDIL	Hopedale	70.79 345	P	P	P	23 50 20.8 -0.9	K41A	Shuburg	72.97 345	P	P	23 50 34.0 -0.7
P50A	Jamestown	68.83 350	P	P	23 50 08.6 -1.0	HDIL	Hopedale	70.79 345	eP	P	P	23 50 21.0 -0.7	EMMW	East Machias	72.98 3	eP	P	23 50 35.3 +0.6
CCM	Cathedral Cave	68.88 343	P	P	23 50 10.2 +0.3	BNM	Barren Site	70.83 329	eP	P	P	23 50 23.5 +1.2	M36A	Felix, Anita	73.01 342	P	P	23 50 34.4 -0.6
CCM	Cathedral Cave	68.88 343	eP	P	23 50 10.7 +0.7	P38A	Dawn	70.96 342	eP	P	P	23 50 22.1 -0.6	L38A	Oak Wood Farm,	73.17 343	P	P	23 50 35.6 -0.3
CCM	Cathedral Cave	68.88 343	eP	P	23 50 10.7 +0.7	LPM	Los Pinos Moun	70.97 329	eP	P	P	23 50 23.3 -0.4	K40A	Colesburg	73.25 345	P	P	23 50 35.3 -1.1
CCM	Cathedral Cave	68.88 343	eP	P	23 50 10.7 +0.7	LPM	Los Pinos Moun	70.97 329	eP	P	P	23 50 23.3 -0.4	JFWS	Jewell Farm	73.25 345	P	P	23 50 35.7 -0.6
Q45A	Warren Harvey,	68.95 346	P	P	23 50 09.5 -0.8	LPM	Los Pinos Moun	70.97 329	eP	P	P	23 50 23.3 -0.4	JFWS	Jewell Farm	73.25 345	eP	P	23 50 35.7 -0.6
R42A	Luebbering	68.98 344	P	P	23 50 10.4 -0.2	O40A	La Belle	70.99 343	P	P	P	23 50 22.5 -0.4	JFWS	Jewell Farm	73.25 345	eP	P	23 50 35.7 -0.6
MSTX	Muleshoe	69.02 332	P	P	23 50 11.1 +0.1	LENN	Lemitar	71.00 329	eP	P	P	23 50 24.0 +1.6	X16A	Lo Mia Camp,P	73.31 326	eP	P	23 50 38.5 +1.3
MSTX	Muleshoe	69.02 332	eP	P	23 50 10.9 -0.1	M46A	Old House Fiel	71.02 348	eP	P	P	23 50 22.1 -0.9	J43A	Natural Harves	73.32 347	P	P	23 50 36.3 -0.4
S39A	Bolivar	69.10 341	P	P	23 50 11.1 -0.2	M46A	Old House Fiel	71.02 348	eP	P	P	23 50 22.1 -0.9	SADO	Sadowa	73.33 354	eP	P	23 50 36.2 -0.6
S39A	Bolivar	69.10 341	eP	P	23 50 11.2 -0.2	N43A	Stutzman Famil	71.13 346	eP	P	P	23 50 23.1 -0.6	KSCO	Kaye Shedlock	73.36 335	P	P	23 50 36.3 -1.0
SSPA	Standing Stone	69.12 355	P	P	23 50 11.0 -0.4	MNMY	Mt. Morris Dam	71.20 355	eP	P	P	23 50 24.4 +0.3	KSCO	Kaye Shedlock	73.36 335	eP	P	23 50 36.3 -1.0
SSPA	Standing Stone	69.12 355	P	P	23 50 11.0 -0.4	N42A	Yates City	71.22 345	P	P	P	23 50 23.3 -0.9	L37A	Phoenix Point,	73.36 343	P	P	23 50 36.7 -0.3
SSPA	Standing Stone	69.12 355	eP	P	23 50 11.5 +0.1	LAZ	Ladron	71.27 329	eP	P	P	23 50 26.3 +1.4	SDCO	Great Sand Dun	73.39 332	P	P	23 50 37.8 +0.1
P47A	Martinsville	69.14 348	P	P	23 50 10.6 -1.0	O39A	Kirkville	71.29 343	P	P	P	23 50 24.4 -0.3	SDCO	Great Sand Dun	73.39 332	eP	P	23 50 37.8 +0.8
R41A	Rosebud	69.14 343	P	P	23 50 11.5 -0.1	TUC	Tucson	71.29 325	P	P	P	23 50 25.1 +0.1	J42A	Columbus	73.40 346	P	P	23 50 36.9 -0.3
Q44A	Meyer Farm, Va	69.15 345	P	P	23 50 10.8 -0.8	TUC	Tucson	71.29 325	eP	P	P	23 50 26.2 +1.2	K39A	Olwein	73.43 344	P	P	23 50 36.6 -0.9
SLM	Saint Louis	69.18 344	eP	P	23 50 11.9 +0.1	TUC	Tucson	71.29 325	eP	P	P	23 50 26.2 +1.2	PLVO	Plevna	73.44 356	eP	P	23 50 37.0 -0.4
SLM	Saint Louis	69.18 344	eP	P	23 50 11.9 +0.1	TUC	Tucson	71.29 325	eP	P	P	23 50 26.2 +1.2	PLVO	Plevna	73.44 356	eP	P	23 50 37.0 -0.4
SLM	Saint Louis	69.18 344	eP	P	23 50 11.9 +0.1	N41A	Harden Midland	71.30 344	eP	P	P	23 50 24.1 -0.6	PKME	Peaks-Kenny Pk	73.48 1	P	P	23 50 37.4 -0.2
S38A	Stockton	69.21 341	P	P	23 50 11.7 -0.3	M44A	Midewin, Midew	71.33 347	P	P	P	23 50 23.7 -1.2	PKME	Peaks-Kenny Pk	73.48 1	eP	P	23 50 37.4 -0.2
N59A	State Game Lan	69.25 356	P	P	23 50 12.2 0.0	KSU1	Kansas State U	71.38 339	P	P	P	23 50 25.2 -0.1	L36A	Harm Buss Farm	73.58 342	P	P	23 50 38.4 +0.1
N59A	State Game Lan	69.25 356	eP	P	23 50 12.8 +0.6	KSU1	Kansas State U	71.38 339	eP	P	P	23 50 25.3 +0.1	K38A	Parkersburg	73.59 344	P	P	23 50 38.0 -0.4
ACSO	Alum Creek Sta	69.31 350	P	P	23 50 12.0 -0.5	O38A	Gal	71.41 342	P	P	P	23 50 24.7 -0.7	K38A	Parkersburg	73.59 344	eP	P	23 50 37.9 -0.5
ACSO	Alum Creek Sta	69.31 350	eP	P	23 50 12.1 -0.5	ANMO	Albuquerque	71.42 330	eP	P	P	23 50 26.2 +0.3	K38A	Parkersburg	73.59 344	eP	P	23 50 37.9 -0.5
O50A	Cable	69.33 350	P	P	23 50 12.0 -0.7	ANMO	Albuquerque	71.42 330	eP	P	P	23 50 26.2 +0.3	J41A	Logville	73.63 346	P	P	23 50 37.9 -0.7
Q43A	New Douglas	69.34 345	P	P	23 50 12.3 -0.5	ANMO	Albuquerque	71.42 330	eP	P	P	23 50 26.2 +0.3	I43A	Langenfeld Bro	73.75 347	P	P	23 50 38.6 -0.6
R40A	Maddies Statio	69.37 342	P	P	23 50 12.9 -0.1	ANMO	Albuquerque	71.42 330	eP	P	P	23 50 26.2 +0.3	J40A	Soldiers Grove	73.82 345	P	P	23 50 39.0 -0.7
R40A	Maddies Statio	69.37 342	eP	P	23 50 12.9 -0.1	ANMO	Albuquerque	71.42 330	eP	P	P	23 50 26.2 +0.3	ALFO	Alfred	73.90 357	P	P	23 50 40.8 +0.8
AMTX	Amarillo	69.38 333	P	P	23 50 13.3 +0.1	TASL	Snake Pit, Alb	71.42 330	P	P	P	23 50 26.2 +0.4	I42A	Draeger Farm,	73.91 347	P	P	23 50 39.8 -0.3
AMTX	Amarillo	69.38 333	eP	P	23 50 13.9 +0.7	TASM	ASL Pad, Albuq	71.42 330	P	P	P	23 50 26.4 +0.6	I42A	Draeger Farm,	73.91 347	eP	P	23 50 39.8 -0.3
TBI	Tubuau	69.45 254	e															

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like BAR Barrett, H41A Junction City, BC3 Big Chuckawall, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like F36A Milaca, SHPR She Range, Q16A Castle Valley, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like TSUM Tsumeb, A33A Warrad, RYN Ryan, etc.

Table with columns: IOTA, Name, RA, Dec, P, M, Z, SNR, etc. Includes stations like TENDICK FARM, WALA WATERON LAKES, NEW3 DRAIN, etc.

Table with columns: IOTA, Name, RA, Dec, P, M, Z, SNR, etc. Includes stations like TYV TYMNOVKOE, YVZ YUZH-SAKHALINS, NVS NOVOSIBIRSK, etc.

Table with columns: IOTA, Name, RA, Dec, P, M, Z, SNR, etc. Includes stations like PUZ RAUKUNARA RANG, RWGZ TAUKAHAREPARE, CWGZ CARNAGH STATIO, etc.

IDD C 01 23:45:43.6:1.1, 33°10'S:179°01'W, h0km, mb4.2/3, Mb1 4.4/5, mb1mx4.0/46, mtrmp4.3/5, ML4.5/2, MS3.5/1, Ms1 3.5/1, ms1mx2.8/38, Error ellipse: s-maj=34.3km s-min=25.4km az=97.0

ISCJB 02:00:12:43.6:0.6, 32°12'N:103°115'33'W:0.04, h13km, 6km, Error ellipse: s-maj=6.7km s-min=4.6km az=150.5

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like SGL Mount Signal, ERPC Ernie's Place, etc.

KRNET 02 00:16:30.0-0.1, 39.19N:71.98E, h16km, mb3.4
SOME 02 00:16:29.8, 39.45N:71.82E, h5km
NNC 02 00:16:33.4-5.39, 10N:72.29E, h0km, mb3.7, mpv3.4

Main table listing station names, frequencies, and technical parameters. Includes stations like DRK Karamyk, BTK baz=35, SFK Sufi-Kurgan, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like KST KasteK, DGS 8.9m,0.7s, etc.

IDC 02 00:19:27.7-72.0, 22.76S-179.91W, h0km, mb4.0/3,
mb1 4.1/3, mb1mx3.7/43, mbtmp4.0/3, Error ellipse:
s-maj=1295.0km s-min=169.9km az=86.0, South of Fiji Islands

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like STKA Stephens Creek, ASAR Alice Springs, etc.

ISCJB 02 00:55:04.9-0.6, 17.9S:0.2-178.6W:0.1, h579km,
mb4.0/1.1, Error ellipse: s-maj=28.5km s-min=13.3km
az=150.4

IDC 02 00:55:06.0-4.4, 17.89S:178.58W, h580km, 53km,
mb3.5/10, mb1 3.7/11, mb1mx3.3/44, mbtmp4.4/11, Error
ellipse: s-maj=29.3km s-min=18.0km az=134.0

ISC 02 00:55:05.8-0.8, 17.9S:0.2-178.6W:0.1, h579km, n14,
e065/14, mb3.7/11, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like DZM Mont Dzumac, PMG Port Moresby, etc.

MEX 02 01:05:30.1-0.4, 15.95N:96.13W, h30km, 5km, MD3.8,
Near coast of Oaxaca

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like HUG Huatulo, VHO Vista Hermosa, etc.

IDC 02 01:05:28.7-3.0, 3.96S:135.02E, h0km, mb3.9/4,
mb1 4.2/6, mb1mx3.7/45, mbtmp4.1/6, ML4.3/1, MS3.7/1,
Ms1 3.3/16, ms1mx3.0/66, Error ellipse: s-maj=135.6km
s-min=27.4km az=87.0

ISCJB 02 01:05:30.2-1.2, 4.25S:0.09-134.6E:0.2, h23km, mb3.8/4,
MS3.6/1, Error ellipse: s-maj=34.9km s-min=11.2km
az=10.7

ISC 02 01:05:33.0-1.5, 4.2S:0.1-134.5E:0.3, h23km, n8, c1975/8,
mb4.0/4, Irin Jaya region

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

IDC 02 01:18:10.6-4.1, 4.83S:151.03E, h0km, mb3.4/2,
mb1 3.8/2, mb1mx3.2/42, mbtmp3.5/2, Error ellipse:
s-maj=175.0km s-min=49.9km az=116.0, New Britain region

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 02 01:47:44.3-0.8, 29.90N:87.90E, h0km, mb3.8/1.4,
mb1 4.0/16, mb1mx3.7/69, mbtmp3.8/16, ML3.5/2, MS3.3/5,
Ms1 3.3/5, ms1mx2.7/63, Error ellipse: s-maj=22.8km
s-min=16.7km az=49.0

ISCJB 02 01:47:48.0-4.4, 29.87N:0.06-87.82E:0.07, h37km,
mb4.0/20, MS3.4/4, Error ellipse: s-maj=10.9km
s-min=6.2km az=139.1

NEIC 02 01:47:47.7-1.8, 29.89N:87.87E, h21km, 13km, mb4.3/8,
Error ellipse: s-maj=8.0km s-min=4.6km az=47.0

ISC 02 01:47:49.6-0.6, 29.94N:0.09-87.97E:0.08, h37km, n44,
e1940/42, mb4.0/20, MS3.3/4, Xizang region

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like LSA Lhasa, SHL Shillong, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like KURK Kurchatov, SONA Songino Array, etc.

2.7nm, 0.8s, baz=156, slow=11, SNR=11
8.8nm, 1.3s
22.82 33 eP
22.82 33 P

2.4nm, 0.7s, baz=222, slow=11, SNR=17
22.83 33 eP
24.10 355 eP

0.4nm, 0.4s, baz=190, slow=7.3, SNR=6.0
24.10 355 eP
24.11 355 eP

0.6nm, 0.3s, baz=290, slow=7.1, SNR=5.5
33.88 66 LR
comp=Z, 23nm, 21.1s, baz=200, slow=38

42.15 67 eP
42.15 67 P
0.6nm, 0.3s, baz=290, slow=7.1, SNR=5.5

45.66 256 LR
comp=Z, 34nm, 18.0s, baz=312, slow=38
47.96 313 P

0.6nm, 0.5s, baz=88, slow=6.0, SNR=5.3
47.96 313 P
16nm, 1.9s

47.97 313 eP
47.97 313 P
0.6nm, 0.5s, baz=88, slow=6.0, SNR=5.3

50.26 306 P
0.6nm, 0.9s, baz=94, slow=15, SNR=5.9
52.70 337 eP

52.70 337 P
1.8nm, 0.7s, baz=37, slow=7.5, SNR=3.1
53.82 298 eP

53.82 298 P
4.1nm
58.11 312 eP

58.11 312 P
0.5nm, 0.6s, baz=70, slow=5.8, SNR=6.6

58.11 312 LR
comp=Z, 25nm, 18.7s, baz=89, slow=4.1
58.11 311 eP

58.11 311 P
0.9nm, 0.6s, baz=326, slow=6.6, SNR=6.7
66.73 132 eP

66.73 132 P
1.6nm, 1.2s
69.19 135 eP

69.19 135 P
0.4nm, 0.5s, baz=318, slow=6.2, SNR=5.3
69.29 135 eP

69.29 135 P
0.8nm, 0.9s, baz=300, slow=4.5, SNR=7.7
76.44 21 eP

76.44 21 P
0.8nm, 0.9s, baz=300, slow=4.5, SNR=7.7
76.44 21 eP

76.44 21 P
80.37 280 eP
80.37 280 P
1.0nm, 1.0s, baz=49, slow=4.6

83.49 232 P
2.6nm, 0.9s, baz=113, slow=4.8, SNR=3.4
84.58 284 LR

84.58 284 LR
comp=Z, 64nm, 18.2s, baz=46, slow=38
86.12 10 P

86.12 10 P
0.8nm, 0.8s, baz=335, slow=5.1, SNR=5.6

NIED 02 02:06:00.40:00N, 142:00E, h5km, Mw4.2 Best double
candidate: M2 53000-1015, NP139, 94.00000, 829.00000,
-1.83.00000, NP239, 265.00000, 862.00000,
-1.94.00000

IDC 02 02:06:19.4-0.7, 39.99N:142.12E, h0km, mb3.9/17,
mb1 4.0/22, mb1mx3.9/70, mbtmp3.9/22, ML3.5/4, MS3.3/16,
Ms1 3.3/16, ms1mx3.0/66, Error ellipse: s-maj=18.8km
s-min=14.2km az=97.0

ISCJB 02 02:06:20.1-0.8, 40.03N:0.02-142.04E:0.04, h13km, 4km,
mb4.1/25, MS3.5/10, Error ellipse: s-maj=5.8km
s-min=3.7km az=10.4

JMA 02 02:06:21.3, 40.03N:141.96E, h0km, M4.5 Broadband
fault plane solution: P wave, NP13, 269.00000,
-1.83.00000, -1.83.00000, NP239, 78.00000, 839.00000,
-1.98.00000, Principal axes: T, P1g, 0.00000,
Azm354.00000; N, P1g, 0.00000; Azm85.00000; P
P1g82.00000; Azm214.00000;

JMA Felt IV J1
NEIC 02 02:06:25.1-0.8, 40.00N:142.13E, h40km, 6km, mb4.5/9
Error ellipse: s-maj=7.8km s-min=5.8km az=106.0

NEIC Recorded [4 JMA] in Iwate.
ISC 02 02:06:20.6-1.4, 40.03N:0.03-142.05E:0.05, h6km, 8km,
n81, c19218, mb4.2/25, MS3.6/10, SC-2D, Near east
coast of eastern Honshu

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like JTH Tanohata, MIY Miyakonagasawa, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like JANG Nango, JKZ Kuzumaki, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like JOM Ofunato, JTM Tenmabayashi, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like JAH Hinai, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like ASAJ, MAJO Matushiro, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other technical details. Includes stations like MAJO Matushiro, MAT Matushiro, etc.

2d 4h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like North Rim, Mount Pierson, F10A, etc.

MOS 02 03:59:23.1±2.1, 49°05'N, 101°34'E, h9km, mb4.9/1, Error ellipse: s-maj=20.2km s-min=9.5km az=77.6

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

2012 JUL

Main table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like ARS, IVK, KNGR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like NIZ, KMO, YOA, etc.

IDC 02 04:06:07.9, 4.0, 66°97'N, 168°69'W, h0km, mb3.7/2, mb1 4.1/3, mb1mx3.7/3, mbtmp3.7/3, ML3.3/1, Error ellipse: s-maj=157.5km s-min=53.1km az=179.0

ISCJB 02 04:06:10.7±1.1, 67°40'N, 0°07'167°0'W, 0.2, h10km, mb3.4/3, Error ellipse: s-maj=13.4km s-min=6.0km az=136.0

NEIC 02 04:06:11.6±0.0, 67°44'N, 167°24'W, h20km, ML3.3(AEIC), After AIC

ISC 02 04:06:12.2±1.5, 67°45'N, 0°09'167°2'W, 0.1, h10km, n12, 0138/17, mb3.6/3, Bering Strait

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

KRSC 02 04:15:24.8±1.0, 56°04'N, 164°71'E, h60km, mb4.4/1, Error ellipse: s-maj=20.0km s-min=9.5km az=50.9

MOS 02 04:15:27.8±0.8, 56°02'N, 164°54'E, h47km, mb4.8, Error ellipse: s-maj=20.0km s-min=9.5km az=50.9

ISC 02 04:15:23.9±1.4, 56°07'N, 0°04'164°62'E, 0.03, h1km, 9km, n156, 0137/160, mb4.3/30, MS3.2/10, ID, Komandorsky Islands region

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like PALN Palana, SPN Mys Shipunski, NKC Nalytchevo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like PDAR Pinedale Array, PDAR Pinedale Array, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like GHVR GHOM, GHVR GHOM, GHVR GHOM, etc.

2d 5h

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

CSEM 02 04:31:55.6, 39.511N, 29.77W, h5km, ML2.3
PDA 02 04:31:55.6, 0.4, 39.511N, 29.77W, h5km, MD3.6, ML2.3,
Error ellipse: s-maj=7.9km s-min=3.2km az=59.0,
Azores Islands

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

MEX 02 04:33:39.5, 0.6, 16.00N, 90.37W, h15km, MD3.8,
Guatemala

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

KRSC 02 04:46:47.7, 1.6, 56.02N, 164.67E, h65km, 26km, L4.2
IDC 02 04:46:47.5, 1.6, 56.23N, 164.54E, h0km, mb3.5/8,
mb1 3.6/9, mb1mx3.4/7.2, mbtrp3.5/4.7, MS2.8/4, Ms1 2.8/4,
ms1mx2.5/3.3, Error ellipse: s-maj=54.2km s-min=17.0km
az=1.0

MOS 02 04:46:49.7, 1.0, 56.02N, 164.67E, h35km, mb4.3/2, Error
ellipse: s-maj=8.2km s-min=5.7km az=136.3
ISC 02 04:46:47.5, 1.6, 56.04N, 164.64E, 0.03, h8km, 21km,
n98, c1948/117, mb3.7/9, MS2.8/3, Komandorsky Islands
region

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

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

KRMR Karymshinskiy 4.97 232 Pn Pn 04 48 03.3 +1.0
KRMR Karymshinskiy 4.97 232 Pn Pn 04 48 03.3 +1.0
PETK Petropavlovsk 4.99 237 Pn Pn 04 48 04.5 +1.9

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

KURB Kurchatov Arra 48.53 302 P P 04 55 30.4 0.0
MKAR Makanchi Array 49.26 296 P P 04 55 35.7 -0.4
BVAR Borovoye Array 50.62 309 P P 04 55 47.0 +0.6

PDAR Pinedale Array 53.83 65 P P 04 56 12.0 +1.4
IDC 02 04:55:50.6, 2.0, 79.30N, 4.27E, h0km, mb3.2/1, mb1 3.6/4,
mb1mx3.2/6, mbtrp3.5/4, ML2.8/ML2.74, Ms1 2.8/4,
ms1mx2.5/3.6, Error ellipse: s-maj=48.0km s-min=20.0km
az=43.0

BER 02 04:55:50.7, 2.9, 79.04N, 3.79E, h10km, ML2.7,
ML3.9(NAO)
NAO 02 04:55:56.6, 2.8, 78.90N, 6.15E, ML3.3
ISC 02 04:55:49.3, 1.2, 79.04N, 3.72E, 0.03, h10km, n19,
IDC 02 04:52:18.1, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBS, SPA0, SPIT, etc.

0.5nm, 0.3s, baz=343, slow=11, SNR=21
MKAR Makanchi Array 67.00 327 P P 05 17 23.7 0.0
0.2nm, 0.4s, baz=110, slow=8, SNR=2.7

CSEM 02 05:13:03.8, 0.4, 38.56N, 43.23E, h24km, 4km, ML2.3,
Error ellipse: s-maj=9.6km s-min=5.5km az=138.0
ISK 02 05:13:03.8, 38.63N, 43.20E, h20km, ML2.3/3
ISCJB 02 05:13:04.3, 0.9, 38.57N, 0.06, 43.24E, 0.06, h29km, 6km,
Error ellipse: s-maj=10.3km s-min=6.5km az=145.6
DDA 02 05:13:05.3, 38.62N, 43.18E, h7km, ML2.8
ISC 02 05:13:04.9, 1.0, 38.61N, 0.03, 43.18E, 0.02, h18km, 4km,
n16, c067/30, Turkey

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

DDA 02 05:26:03.9, 38.74N, 43.24E, h7km, ML2.7
ISK 02 05:26:03.1, 38.69N, 43.22E, h21km, ML2.3/2
CSEM 02 05:26:04.0, 0.3, 38.72N, 43.18E, h10km, ML2.7, Error
ellipse: s-maj=6.1km s-min=5.0km az=66.0

ISC 02 05:26:03.9, 1.0, 38.71N, 0.03, 43.20E, 0.03, h16km, 8km,
n16, c0556/30, Turkey

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

ISCJB 02 05:40:26.1, 0.5, 32.22N, 0.02, 115.22W, 0.02, h12km, 3km,
Error ellipse: s-maj=3.2km s-min=2.7km az=20.7
NEIC 02 05:40:27.9, 0.0, 32.20N, 115.27W, h6km, ML2.7(ECX),
ML2.9(FAS), After ECX

ECX 02 05:40:27.9, 0.6, 32.20N, 115.27W, h6km, MD2.7, ML3.0
MEX 02 05:40:29.0, 0.6, 32.28N, 115.21W, h15km, 78km, MD3.9
ISC 02 05:40:25.7, 1.0, 32.21N, 0.02, 115.28W, 0.02, h16km, 7km,
n61, c1927/98, 3C-5D, California-Baja California border
region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TJIG Tijuana, ECNX Esteban Cantu, BAR Barrett, etc.

MEX 02 05:41:46.0.0.3, 15:08N.92.98W, h74km, 5km, MD3.7, Mexico-Guatemala border region

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

IDC 02 05:49:21.7.1.5, 53.57N.165.78W, h0km, mb3.8, mb1 4.0/1.0, mb1mx3.6/82, mbtmp3.8/10, ML3.4/2, MS3.0/4, Ms1 3.0/4, ms1mx2.5/75, Error ellipse: s-maj=31.3km s-min=21.5km az=19.0

ISCJB 02 05:29:26.0.0.4, 45N.0.0.4, 165.23W.0.04, h27km, 6km, mb4.2/39, MS2.8/4, Error ellipse: s-maj=7.1km s-min=4.0km az=160.0

NEIC 02 05:49:26.9.0.0, 53.43N.165.28W, h26km, mb4.2/34, ML3.7(AEIC), After AEIC

ISC 02 05:49:24.3.1.6, 53.41N.0.07.165.39W.0.04, h9km, 10km, n117, r162/109, mb4.3/39, MS2.8/4, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKSA Akutan Strait, ZRO Akutan Zero, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IM3 Indian Mountain, HARP HAARP, PAX PAX, etc.

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

Table with columns for station call letters, frequency, and other technical details. Includes stations like KSRS, KS01, KS15, KSAR, KSAR, MDJ, MDJ, MDJ, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like WMQ, WMQ, WMQ, ZAA1, ZAA1, ZAA1, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like WB2, WR1, WRA, WRA, AB31, AB31, AB31, etc.

Table with columns: MLR, Muntele Rosu, 79.17 320 LR, LR, 07 13 59.4, etc. Includes various station names and coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like Bati, Fitz, Wra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like JHJ, MJAR, JNU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like GLKZ, MXZ, WMGZ, etc.

Table with columns: MWZ, Matawai, 6.12 217 P, Pn, 07 40 56.9 -1.5, etc. Includes various station names and coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like JCJ, KLR, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like CPBX, MBIG, ERPC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like RMX, ECXB, KIP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like TJIG, BAR, DDA, etc.

Table with columns: AYVA, Ayyalik, 0.23 42 P, Sg, 09 33 29.0 -0.3, etc. Includes various station names and coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like AKS, AKH, AKH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like SMG, SMG, SMG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like RMX, ECXB, KIP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes station names like ALN, ALN, ALN, etc.

2d 10h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KHET, NDI, DDI, SMLA, JOSI, DHRM, BHP, etc.

SOME 02 10:09:48.7, 41.20N; 71.02E, h0km
KNET 02 10:09:50.1, 41.39N; 71.02E, h16km, mb2.2
NCC 02 10:09:50.5, 1.5, 41.25N; 70.99E, h0km, mb2.8, mpv2.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARK, IUG, BTK, ARSB, MNAS, KK31, BRLS, AML, MRKS, SFK, etc.

NORS 02 10:11:29.9, 0.0, 41.52N; 46.85E, h14km, 1km
MOS 02 10:11:29.9, 0.0, 41.53N; 46.76E, h9km, MPVA4.1
CSEM 02 10:11:30.0, 3.0, 41.48N; 46.76E, h2km, mb3.9, Error

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DDFL, KMKR, AKT, etc.

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Table with columns: ARKR, Arakani, Pg, 10 11 52.8 -0.1, 1.14, 8 i Pg, Pg, 10 12 08.8 -0.1, etc.

ISC/JB 02 10:15:54.8, 0.2, 22.52S; 0.04; 172.97E; 0.05, h32km, mb4.759, MS4.0/28, Error ellipse: s-maj=6.4km

BJJ 02 10:15:59.0, 22.50S; 173.00E, h60km, mb4.7/19, mb4.9/10, Ms4.4/3, Ms7.4/2/3

IDC 02 10:16:00.5, 3.6, 22.56S; 172.93E, h71km, 31km, mb4.2/19, mb1.4/3/21, mb1mx4.2/44, mbtmp4.4/21, MS3.9/30, Ms1.3/9/30, ms1mx3.8/46, Error ellipse: s-maj=19.8km

NEIC 02 10:16:00.7, 1.1, 22.53S; 172.95E, h73km, 9km, mb4.8/49, Error ellipse: s-maj=6.2km s-min=5.6km az=96.0

GCMT 02 10:16:00.7, 0.3, 22.78S; 173.06E, h27km, 1km, MW5.0/69, Moment Tensor Solution: s29, c33; s69, c95; Duration: 0.4

ISC 02 10:15:56.6, 0.4, 22.62S; 0.07; 173.09E; 0.06, h32km, n140, c1952/126, mb4.8/59, MS4.1/28, 1C, Southeast of Loyalty

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, HAO, URZ, etc.

66

Table with columns: AFI, Afiamalu, 16.77 61 ePn, P, 10 19 51.5 +0.4, HNR, Honiara, 18.19 314 P, P, 10 20 10.0 +3.2, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like MDPB Devils Postpil, LZH Lanzhou, PNTR Pine Nut, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like MNAI Manna, LWLI Liwa, KASI Kota Agung, etc.

ICD 02 10:58:36.6, 3.3, 39.07N, 78.80E, h0km, mb3.3/2, mb1 3.9/3, mb1mx3.4/61, mbmtpp3.7/3, ML4.4/1, Error ellipse: s-maj=66.4km s-min=47.1km az=111.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like KSH Kashi, PDGK Podgornoye, SFK Suifi-Kurgan, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like SFK, TKM2 Tokmak 2, TKM2, AAK Ala-Archa, etc.

ISCJB 02 12:02:24.5:0.6, 32.221N, 0.03:115.28W, 0.05, h11km, 7km, Error ellipse: s-maj=7.5km s-min=4.8km az=150.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like CPBX Cerro Prieto, MBIG Mexicali, DREC Desert Rsrch C, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like CBX Cerro Bola, TJIG Tijuana, BAR Barrett, etc.

CSEM 02 12:03:24.9:0.2, 38.73N, 0.43:08E, h12km, ML2.8, Error ellipse: s-maj=4.1km s-min=4.0km az=9.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like VANB Van, ANCV Andev, BITLIS Adilcev, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like TUTA Tutak, CLDR Caldran, GURO Guroyamak-BITLI, etc.

NNC 02 12:15:20.9:2.8, 53.86N, 87.69E, h4km, 25km, mb3.6, mpv3.2, Error ellipse: s-maj=27.8km s-min=12.5km az=48.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like H46RU ZALESOVO INFRA, ZAAO Zalesovo Array, MAZI Mazidag, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like ZALV Zalesovo Beam, KURK Kurchatov, KURB Kurchatov Arra, etc.

ICD 02 12:23:56.5:0.7, 35.65N, 68.91E, h0km, mb4.1/2/3, mb1 4.3/2/7, mb1mx4.1/71, mbtmp4.1/27, ML3.8/4, MS3.3/14, MS1 3.3/14, ms1mx3.0/62, Error ellipse: s-maj=16.7km s-min=11.5km az=13.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like KBL Kabul, CEP Cherat, THW Thame Wai, etc.

ISCJB 02 12:24:00.7:0.2, 35.90N, 0.02:68.94E, 0.03, h35km, n174, c222/196, mb4.4/50, MS3.4/14, 13C-8D, Hindu Kush region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like KSH Kashi, KSH, MNAS Manas, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like DHRM DHARAMSHALA, DHRM, DHRM, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like SMLA Simla, SMLA, SMLA, etc.

Error ellipse: s-maj=7.6km s-min=4.4km az=152.5
ECX 02 16:25:05.70.6.32.20N:115.25W,h6km,MD2,4,ML2.6
MEX 02 16:25:06.80.4.32.20N:115.15W,h16km,5km,MD3.7

ISC 02 16:25:04.30.9.32.20N:0.04:115.29W:0.05,
h12km,11km,n18,e0f55.26,2C-4D,California-Baja

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Cerro Prieto, Westside Schoo, Yuma Desert, etc.

ISC/JB 02 16:36:26.9:0.3,63:11N:0.02:150:75W:0.06,
h129km,3km,mb3.45,Error ellipse: s-maj=4.4km
s-min=3.8km az=5.9

NEIC 02 16:36:28.3:0.0,63:11N:150:80W,h119km,ML3.2(AEIC),
After AEIC.

ISC 02 16:36:28.7:4.1,63:16N:150:43W,h132km,36km,mb3.3/5,
mb1 3.3/7,mb1mx3.0/70,mbtmp3.6/7,MS1.9/1,MS1 2.0/1,
ms1mx1.9/29,Error ellipse: s-maj=46.4km s-min=33.7km
az=34.0

ISC 02 16:36:28.0:0.8,63:11N:0.03:150.76W:0.04,
h122km,6km,n75,e0f55/87,mb3.6/5,Central Alaska

Large table listing station names and data for Central Alaska, including stations like Thorofore Moun, Kantishna Hill, Hurricane, etc.

0.3nm,0.5s,baz=27,slo=6.9,SNR=3.2
MKAR Makanchi Array 62.66 322 P 16 46 38.3 -0.8
0.4nm,0.5s,baz=38,slo=6.8,SNR=6.9

IDC 02 16:43:34.1:6.1,29:02S:179:23W,h326km,54km,mb3.2/3,
mb1 3.4/4,mb1mx3.1/42,mbtmp4.0/4,Error ellipse:
s-maj=55.2km s-min=27.7km az=21.0

ISC 02 16:43:33.5:1.2,30:25S:0.1:179:4W:0.2,h300km,n13,
e1f96/13,mb3.5/3,Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Urewera, Stephens Creek, ASAR, etc.

ISC/JB 02 16:56:11.4:0.3,24:28N:0.03:122:96E:0.02,h44km,7km,
Error ellipse: s-maj=4.6km s-min=2.4km az=176.4

JMA 02 16:56:11.7:0.1,24:35N:122:98E,h49km,1km,M3.2
TAP 02 16:56:12.8,24:29N:122:83E,h33km,1km,ML3.4,C
ISC 02 16:56:11.5:1.2,24:24N:0.04:122:97E:0.02,h43km,3km,
n78,e1f63/145,1C-1D,Taiwan region

Large table listing station names and data for Taiwan region, including stations like Yonagunijimaku, Yonaguni jima, etc.

Large table listing station names and data for various regions, including stations like CHGB, TDCB, TWS1, etc.

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

MEX 02 19:01:45.8d.0.3, 14.671N:101.13W, h18km, 308km, MD3.8, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res.

MEX 02 19:12:48.5d.0.3, 14.616N:93.22W, h16km, 36km, MD3.5, Near coast of Chiapas. Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res.

BUI 02 19:25:16.0, 17.20S:172.90W, h5km, mb4.7/5, mB5.2/3, Ms4.7/1, Ms7.4/1
IDC 02 19:25:16.6d.0.3, 17.20S:173.21W, h0km, mb4.7/3, mb1.4/3/4, mb1mx4.7/54, mbmp4.7/34, ML3.5/1, MS4.2/41, Ms1.4/2/41, ms1mx4.1/55, Error ellipse: s-maj=14.4km s-min=1.0km az=131.0

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

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

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

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

2d 19h

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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 Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Correlation Matrix, Elevation Correlation Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Correlation Matrix, Elevation Correlation Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Correlation Matrix, Elevation Correlation Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Correlation Matrix, Elevation Correlation Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

BELO	Belleterre	57.22	54	P	P	19 36 01.7	-1.2
TOBO	Tobermory, Bru	57.26	57	P	P	19 36 01.9	-1.3
W39A	Magazine	57.27	73	P	P	19 36 02.3	-1.1
W39A	Magazine	57.27	73	eP	P	19 36 03.5	+0.1
O45A	Potomac	57.30	65	P	P	19 36 02.2	-1.3
WHTX	Lake Whitney,	57.30	79	P	P	19 36 02.6	-1.1
P44A	Sand Creek, Wi	57.33	66	P	P	19 36 01.9	-1.9
R43A	Red Bud	57.40	68	P	P	19 36 03.2	-1.1
SCHO	Schefferville	57.40	41	P	P	19 36 03.0	-1.1
SCHO	comp-Z,1.3nm,0.6s,baz=308,slow=9.4,SNR=3.2					20 01 54.7	
N46A	Monticello	57.41	64	P	P	19 36 02.3	-2.0
V40A	Witts Springs	57.42	72	P	P	19 36 02.4	-2.1
V40A	Witts Springs	57.42	72	eP	P	19 36 06.2	+1.7
O44A	Meyer Farm, Va	57.49	67	P	P	19 36 03.0	-1.9
X39A	Fountain Ranch	57.55	74	P	P	19 36 04.1	-1.3
SFIN	Lafayette	57.56	65	P	P	19 36 04.4	-1.0
SFIN	Lafayette	57.56	65	eP	P	19 36 04.9	-0.5
DGZ	Jazzator, Alta	57.57	311	fP	pmax	19 36 05.6	+0.1
U41A	Viola	57.57	71	P	P	19 36 04.5	-1.1
T42A	Van Buren	57.58	70	eP	P	19 36 04.1	-1.4
S43A	Fulton Ridge,	57.80	69	P	P	19 36 05.8	-1.3
V41A	Mountainview	57.82	72	P	P	19 36 06.5	-0.9
MIAR	Mount Ida	57.84	74	P	P	19 36 06.6	-0.8
MIAR	Mount Ida	57.84	74	eP	P	19 36 08.0	+0.5
MIAR	Mount Ida	57.84	74	eP	pmax	19 36 08.0	+0.5
KLBO	Killbear Provi	57.85	56	P	P	19 36 05.3	-2.0
ARCES	ARCCESS Array B	57.88	352	P	P	19 36 06.4	-0.8
Q45A	Warren Harvey,	57.98	67	P	P	19 36 07.3	-1.1
T43A	Greenville	58.01	69	P	P	19 36 07.0	-1.6
O47A	Sheridan	58.17	64	P	P	19 36 08.2	-1.5
W41B	Gary Mavity, V	58.19	72	P	P	19 36 08.8	-1.1
W41B	Gary Mavity, V	58.19	72	eP	P	19 36 09.9	0.0
GTA	Gaotai	58.24	295	eP	P	19 36 11.3	+0.9
GTA				pP	pP	19 36 16.5	+1.7
GTA				sP	sP	19 36 19.4	+2.9
GTA				S	S	19 44 15.1	+3.3
GTA	comp-Z,2.0nm,1.2s			pmax	pmax		
GTA	comp-Z,6.5nm,4.5s			LR	LR		
GTA	comp-Z,150nm,20.3s			LR	LR		
GTA	comp-Z,140nm,18.2s			LR	LR		
GTA	comp-Z,150nm,16.5s			LR	LR		
V42A	Cord	58.26	71	P	P	19 36 09.3	-1.1
CLWO	Collingwood	58.43	57	P	P	19 36 10.9	-0.6
R47A	Woolly Knot Far	59.32	66	P	P	19 36 15.4	-2.3
T46A	Princeton	59.42	68	P	P	19 36 17.1	-1.3
N50A	Nevada	59.47	62	P	P	19 36 16.9	-1.8
O50A	Cable	59.64	63	P	P	19 36 18.6	-1.3
T47A	Sharon Grove	59.90	67	P	P	19 36 20.4	-1.3
T47A	Sharon Grove	59.90	67	eP	P	19 36 24.8	+3.0
P50A	Jamestown	59.92	63	P	P	19 36 20.1	-1.8
ACSO	Alum Creek Sta	59.93	62	P	P	19 36 20.6	-1.3
S48A	Wiedeman Farm,	60.03	66	P	P	19 36 21.3	-1.3
WVT	Waverly	60.09	69	P	P	19 36 22.2	-0.8
OXF	Oxford	60.32	71	P	P	19 36 22.5	-2.1
ALLY	Alegheny Colle	60.46	59	eP	P	19 36 27.2	+1.7
U48A	Cassie Pea, Po	60.56	68	P	P	19 36 25.0	-1.3
T49A	Edmonton	60.71	66	P	P	19 36 26.2	-1.1
KURK	Kurchatov	60.80	316	fP	pmax	19 36 27.1	-0.5
M54A	Oil Creek Stat	60.82	59	P	P	19 36 26.4	-1.5
M54A	Oil Creek Stat	60.82	59	eP	P	19 36 29.6	+1.6
KURBB	Kurchatov Arra	60.90	316	P	P	19 36 27.3	-1.0
V48A	Smith Brothers	60.95	68	P	P	19 36 27.8	-1.1
N54A	Moraine State	61.03	60	P	P	19 36 28.4	-1.0
N54A	Moraine State	61.03	60	eP	P	19 36 31.6	+2.2
Y46A	Houston	61.09	71	P	P	19 36 27.6	-2.2
T50A	Nancy	61.17	66	P	P	19 36 29.1	-1.3
LONY	Lake Ozonia	61.21	54	P	P	19 36 29.0	-1.5
W48A	Pulaski	61.31	69	P	P	19 36 29.6	-1.8
WMQ	Urumqi	61.60	306	P	P	19 36 35.2	+1.9
WMQ				pP	pP	19 36 40.7	+2.9
WMQ	comp-Z,2.2nm,0.7s			pmax	pmax		
WMQ	comp-Z,5.9nm,3.7s			LR	LR		
WMQ	comp-Z,200nm,28.1s			LR	LR		
Y47A	UCPARC, Winif	61.66	70	P	P	19 36 32.2	-1.5
W49A	Belvidere	61.71	68	P	P	19 36 31.9	-2.1
X48A	Hartselle	61.73	69	P	P	19 36 32.2	-2.0
MK31	Makanchi Array	62.05	311	eP	P	19 36 35.2	-1.0
MK31	Makanchi Array	62.05	311	eP	P	19 36 35.2	-1.0
MKAR	Makanchi Array	62.05	311	P	P	19 36 35.1	-1.1
MKAR	Makanchi Array	62.05	311	eP	P	19 36 35.1	-1.1
MKAR	Makanchi Array	62.05	311	eP	P	19 36 35.2	-1.1
MK01	Makanchi Array	62.06	311	eP	P	19 36 34.8	-1.5
X49A	Woodville	62.10	69	P	P	19 36 34.2	-2.5
W50A	Signal Mountai	62.19	68	P	P	19 36 35.1	-2.3
Z48A	Northport	62.20	71	P	P	19 36 35.3	-2.1
TZ7N	Tazewell	62.23	66	P	P	19 36 35.7	-1.9
O56A	Blue Knob Stat	62.28	59	P	P	19 36 35.9	-2.0

BVAR	Borovoye Arr	62.36	322	P	P	19 36 37.7	-0.4
SSPA	Standing Stone	62.38	59	P	P	19 36 37.5	-1.0
SSPA	Standing Stone	62.38	59	eP	P	19 36 37.6	-0.9
X50B	Fort Payne	62.53	69	P	P	19 36 37.3	-2.3
V52A	Sevierville	62.71	66	P	P	19 36 40.0	-0.8
KSPA	Keystone Colle	62.82	57	eP	P	19 36 41.5	0.0
Z49A	Columbiana	62.93	70	P	P	19 36 41.0	-1.2
Z50A	Ashland	63.24	70	P	P	19 36 42.1	-2.2
Z50A	Ashland	63.24	70	eP	P	19 36 42.8	-1.5
Y51A	Rockmart	63.27	69	P	P	19 36 41.8	-2.7
V53A	Saluda	63.27	66	P	P	19 36 42.8	-1.8
N59A	State Game Lan	63.28	57	P	P	19 36 43.0	-1.5
N59A	State Game Lan	63.28	57	eP	P	19 36 43.9	-0.6
GYA	Guiyang	63.41	279	eP	pmax	19 36 47.0	+1.3
GYA				pmax	pmax		
X52A	Dahlonega	63.43	67	P	P	19 36 44.8	-0.8
BLA	Blacksburg	63.49	63	P	P	19 36 44.4	-1.6
BLA	Blacksburg	63.49	63	eP	P	19 36 49.1	+3.2
BLA	Blacksburg	63.49	63	eP	pmax	19 36 49.2	+3.2
BLA				pmax	pmax		
ARU	Arti	63.62	331	cP	P	19 36 45.8	-0.7
ARU				P	P	19 37 19.3	
ARU				S	S	19 45 20.6	+1.0
ARU				SS	SS	19 49 25.0	-1.0
ARU				pmax	pmax		
LUPA	Lehigh Univers	63.72	57	eP	P	19 36 46.9	-0.5
ODNJ	Ogdensburg	63.76	56	eP	P	19 36 49.6	+1.9
Y52A	Lilburn	63.87	68	P	P	19 36 46.7	-1.7
TGY	Tagaytay City	63.94	259	P	P	19 36 50.5	+1.4
BRNJ	Basking Ridge	64.08	57	eP	P	19 36 51.9	+2.2
IP04	Greensprings	64.11	61	eP	P	19 36 50.6	+0.6
Z52A	Williamson	64.16	69	P	P	19 36 48.6	-1.7
PAL	Palisades	64.18	56	P	P	19 36 48.4	-1.9
PAL	Palisades	64.18	56	eP	P	19 36 53.4	+3.1
PAL	Palisades	64.18	56	eP	pmax	19 36 53.4	+3.1
PAL				pmax	pmax		
IP03	Louisa	64.21	61	eP	P	19 36 51.1	+0.5
IP07	Quail	64.28	61	eP	P	19 36 50.7	-0.3
IP06	Yanceyville	64.29	61	eP	P	19 36 51.2	+0.1
KM5C	Kings Mountain	64.49	65	eP	P	19 36 55.3	+2.8
IP05	Hopewell Church	64.49	61	eP	P	19 36 53.5	+1.0
GOGA	Godfrey	64.54	68	P	P	19 36 52.1	-0.7
Z53A	Monticello	64.58	68	P	P	19 36 51.0	-2.1
Y54A	Tignal	64.65	67	P	P	19 36 52.6	-1.0
Z54A	Sparta	65.02	68	P	P	19 36 53.7	-2.3
HNR	Honiarra	65.36	209	LR	LR	20 01 19.9	
FINES	NORFAR Array B	65.72	350	P	P	19 36 59.1	-1.0
FINES				LR	LR	20 09 26.3	
PDGK	Podgorye	65.96	310	eP	P	19 37 01.9	-0.2
KMI	Kunming	66.78	281	P	P	19 37 08.1	+0.4
KMI				pP	sP	19 37 17.5	+3.6
KMI				pmax	pmax		
NOA	comp-Z,1.9nm,0.8s,baz=17.5,slow=11,SNR=4.9			LR	LR	20 07 08.0	
HFS	Hagfors	67.97	356	P	P	19 37 13.7	-0.7
VSU	Vasula	68.56	349	fP	P	19 37 18.9	+0.8
VSU				e	e	19 37 42.7	
AAK	Ala-Archa	68.81	313	eP	P	19 37 20.1	-0.1
AAK	Ala-Archa	68.81	313	eP	pmax	19 37 20.1	-0.1
AAK				pmax	pmax		
AKTO	Aktjubinsk	68.89	327	P	P	19 37 19.8	-0.6
ABKAR	Abkarak	69.24	326	eP	P	19 37 22.1	-0.4
PMG	Port Moresby	69.89	222	P	P	19 37 27.8	+0.9
SIJI	Sorong	70.06	241	P	P	19 37 28.6	+0.6
SIJI				p	p	19 37 27.3	-1.3
KK31	Karatay Array	70.20	316	eP	P	19 37 27.3	-1.3
KK31	Karatay Array	70.20	316	eP	P	19 37 27.3	-1.3
KKAR	Karatay Array	70.20	316	eP	P	19 37 27.3	-1.3
KKAR	Karatay Array	70.20	316	eP	P	19 37 27.3	-1.3
KSH	Kashi	70.58	310	P	P	19 37 40.8	+3.5
KSH				eP	sP	19 37 55.6	+3.4
KSH				eP	sP	19 40 13.2	+6.3
KSH				PP	PP	19 46 46.1	+1.8
KSH				SecS	SecS	19 47 32.3	-0.4
KSH				SS	SS	19 51 20.4	+5.6
KSH				pmax	pmax		
KSH	comp-Z,8.0nm,0.8s			pmax	pmax		
SFK	Sufi-Kurgan	71.34	312	eP	P	19 37 35.8	-0.1
RAR	Rarotonga	73.99	167	LR	LR	20 02 31.7	
CMAR	Chiang Mai Arr	74.10	280	P	P	19 37 52.1	-0.1
CM01	Chiang Mai Arr	74.12	280	eP	P	19 37 51.8	-0.5
AKASG	Malin Array B	75.77	345	P	P	19 38 00.5	-0.9
KIEV	Kiev	75.78	345	cP	P	19 38 00.6	-0.8
KIEV				pmax	pmax		
DZM	Mont Dzumac	75.88	199	P	P	19 38 03.8	+1.5
DZM				LR	LR	20 09 37.3	
DZM	comp-Z,2.7nm,1.8s,baz=16,slow=34			LR	LR		
BRG	Berggiesshubel	77.21	355	e(P)	P	19 38 09.5	0.0
BRG				e	e	19 41 12.2	
BRG	Berggiesshubel	77.21	355	e	P	19 38 09.5	0.0
BRG				pmax	pmax		
BRG	comp-Z,10.0nm,1.5s			pmax	pmax		
GERES	GERESS Array B	79.24	355	P	P	19 38 20.5	-0.5
GERES				P	P	19 38 19.9	-1.1
GEAT	GERESS Array S	79.25					

Table with columns: ILAR, comp-Z, 12nm, 0.9s, baz=133, slow=1.2, SNR=12, PKPbc, PKPbc, 20 43 05.8 -0.2, etc.

NIED 02:30:34.00, 37.50N, 144.10E, h5km, Mw3.5 Best double couple: M=2.31000, 1014 NP1=0.70000, 625.00000, 1.90.00000, NP2=0.186.0000, 865.00000.

JMA 02:30:34.54.0.2, 37.55N, 144.08E, h37km, M4.0, Off east coast of Honshu

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

NEIC 02:20:43.31.8.0.0, 16.62N, 98.44W, h18km, MD4.0(MEX), After MEX.

MEX 02:20:43.31.8.0.5, 16.62N, 98.44W, h18km, 234km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Tlapa, Tlapaneco, Acapulco, etc.

IDC 02:20:48:24.1.3.9, 15.17S, 172.80W, h0km, mb3.8/3, mb1 3.9/3, mb1mx3.5/1, mbmt3.8/3, MS4.1/1, Ms1 4.0/1, ms1mx2.7/46, Error ellipse: s-maj=193.5km s-min=23.8km az=139.0, Samoa Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Afi, H1S2, H1S3, etc.

ISCJB 02:20:51:02.5.0.6, 35.94N, 0.05, 7.3E, 0.06, h110km, mb3.4/1, Error ellipse: s-maj=7.5km s-min=6.2km az=139.5

IDC 02:20:51:02.8.4.8, 35.86N, 70.34E, h90km, 51km, mb3.6/2, mb1 3.5/8, mb1mx3.1/69, mbmt3.7/8, ML3.5/6, MS3.7/2, Ms1 3.7/2, ms1mx2.5/62, Error ellipse: s-maj=44.4km s-min=23.8km az=154.0

NNC 02:20:51:08.7.4.9, 36.47N, 70.00E, h101km, 126km, mb3.4, mb2.9, Error ellipse: s-maj=42.1km s-min=37.2km az=117.0

ISC 02:20:51:03.5.1.2, 35.94N, 0.08, 7.5E, 0.1, h110km, n33, az=167.3, 8C-6D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Sufi-Kurgan, SFK, AML, etc.

Table with columns: KK31, Karatay Array, 7.15 360, Pn, 20 52 45.0 -0.3, etc.

IDC 02:20:50:59.2.0.7, 6.62S, 102.05E, h0km, mb4.0/13, mb1 4.1/14, mb1mx3.8/64, mbmt4.0/14, ML4.7/1, Error ellipse: s-maj=26.7km s-min=14.2km az=56.0

ISCJB 02:20:51:01.0.0.5, 6.50S, 102.22E, 0.04, h24km, mb4.0/14, Error ellipse: s-maj=7.1km s-min=5.0km az=21.5

NEIC 02:20:51:04.6.0.4, 6.57S, 102.14E, h35km, mb4.1/1, Error ellipse: s-maj=14.8km s-min=8.1km az=44.0

DJA 02:20:51:04.8.0.5, 6.5S, 102.2E, h57km, 20km, M4.8/17, mb4.9/7, mb5.8/3, ML4.7/17, Mw(m)5.3/3

ISC 02:20:51:03.1.0.7, 6.49S, 102.25E, 0.07, h24km, n46, 15.18W, mb4.0/14, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like LWLI, KASI, MDSI, etc.

MAN 02:21:15.9.9, 86N, 123.69E, h55km, mb3.7, ML2.4, MS1.9, IC, Negros

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

ISCJB 02:21:18:13.0.0.7, 36.1S, 0.1, 100.2W, 0.1, h14km, mb4.0/19, MS3.5/7, Error ellipse: s-maj=18.0km s-min=13.3km az=142.7

IDC 02:21:18:12.4.1.0, 36.13S, 100.14W, h0km, mb4.0/8, mb1 4.3/8, mb1mx4.0/35, mbmt4.0/8, MS3.5/7, Ms1 3.5/7, ms1mx3.2/36, Error ellipse: s-maj=29.4km s-min=22.4km az=9.0

NEIC 02:21:18:13.9.0.4, 36.14S, 100.14W, h10km, mb4.3/10, Error ellipse: s-maj=11.3km s-min=8.3km az=54.0

ISC 02:21:18:14.6.0.9, 36.2S, 0.1, 100.2W, 0.2, h14km, n27, az=171.9, mb4.1/19, MS3.4/7, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Paso Flores, PLCA, LCO, etc.

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

IDC 02:21:09:41.9.2.3, 35.91N, 141.160E, h0km, mb3.6/4, mb1 3.5/6, mb1mx3.6/64, mbmt3.5/6, ML2.8/2, MS2.3/2, Ms1 2.3/2, ms1mx2.0/60, Error ellipse: s-maj=62.0km s-min=22.6km az=65.0

ISCJB 02:21:09:45.3.1.0, 35.75N, 0.06, 141.4E, 0.1, h26km, mb3.6/4, Error ellipse: s-maj=12.2km s-min=7.1km az=170.4

JMA 02:21:09:48.7.0.1, 35.75N, 141.04E, h35km, 18km, M2.5

ISC 02:21:09:47.6.1.4, 35.33N, 0.05, 141.2E, 0.1, h26km, n19, 118.08W, mb3.6/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like CHOI, CHOU, JHYU, etc.

MAN 02:21:15.9.9, 86N, 123.69E, h55km, mb3.7, ML2.4, MS1.9, IC, Negros

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

ISCJB 02:21:18:13.0.0.7, 36.1S, 0.1, 100.2W, 0.1, h14km, mb4.0/19, MS3.5/7, Error ellipse: s-maj=18.0km s-min=13.3km az=142.7

IDC 02:21:18:12.4.1.0, 36.13S, 100.14W, h0km, mb4.0/8, mb1 4.3/8, mb1mx4.0/35, mbmt4.0/8, MS3.5/7, Ms1 3.5/7, ms1mx3.2/36, Error ellipse: s-maj=29.4km s-min=22.4km az=9.0

NEIC 02:21:18:13.9.0.4, 36.14S, 100.14W, h10km, mb4.3/10, Error ellipse: s-maj=11.3km s-min=8.3km az=54.0

ISC 02:21:18:14.6.0.9, 36.2S, 0.1, 100.2W, 0.2, h14km, n27, az=171.9, mb4.1/19, MS3.4/7, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Paso Flores, PLCA, LCO, etc.

CSEM 02 21:19:49.5.0.2, 37.77N-29.21E, h2km, ML2.3, Error ellipse: s-maj=5.2km s-min=4.3km az=176.0

ISK 02 21:19:49.9.37.76N-29.15E, h6km, ML2.3/7

DDA 02 21:19:49.4.37.75N-29.22E, h0.5km, ML2.5

ISC 02 21:19:49.5.1.2, 37.76N.0.03.29.22E.0.03, h1km, 13km, n36, c057/45, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like DENT, DNZL, TAVTA, etc.

IDC 02 21:23:10.7.0.6, 6.62S-153.62E, h0km, mb4.4/20, mb1.4.6/21, mb1mx4.4/49, mbtmp4.5/21, ML3.8/1, MS3.4/13, Ms1.3.4/13, ms1mx3.1/45, Error ellipse: s-maj=22.0km s-min=12.7km az=93.0

ISCJB 02 21:23:13.9.0.3, 6.67S.0.05.153.59E.0.05, h29km, mb4.6/47, MS3.5/11, Error ellipse: s-maj=8.6km s-min=6.1km az=37.9

BUI 02 21:23:14.9.6.34S.153.84E, h36km, mb4.8/44, mb4.9/29, Ms4.7/10, Ms7.4/4.3

NEIC 02 21:23:17.0.1.2, 6.65S-153.54E, h41km, 10km, mb4.6/22, Error ellipse: s-maj=4.7km s-min=5.9km az=101.0

ISC 02 21:23:15.4.0.4, 6.67S.0.06.153.69E.0.07, h29km, n112, c118/111, mb4.7/47, MS3.5/11, IC, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like RABL, HNR, PMG, DZM, WRA, ASO1, etc.

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like CHTO, PETK, HHC, HHH, etc.

ISK 02 21:31:43.4.37.82N-27.40E, h2km, ML2.1/8

CSEM 02 21:31:44.2.0.3, 37.81N-27.38E, h10km, ML2.1, Error ellipse: s-maj=6.8km s-min=5.5km az=116.0

ISC 02 21:31:43.9.0.9, 37.80N.0.03.27.38E.0.03, h11km, 8km, n26, c052/33, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like GCAM, AYDN, YER, etc.

ISCJB 02 21:38:12.9.0.5, 39.66N.0.02-26.09E.0.04, h9km, 4km, Error ellipse: s-maj=5.5km s-min=3.4km az=168.6

ATH 02 21:38:12.4.39.66N-26.12E, h24km, 2km, ML1.1.8/3, Error ellipse: s-maj=2.2km s-min=0.9km az=274.0

DDA 02 21:38:12.9.39.66N-26.12E, h7km, ML2.7

ISK 02 21:38:12.2.39.63N-26.09E, h8km, ML2.6/15

CSEM 02 21:38:13.0.0.2, 39.65N-26.07E, h10km, ML2.6, Error ellipse: s-maj=4.4km s-min=2.6km az=80.0

ISC 02 21:38:13.2.0.8, 39.65N.0.02-26.09E.0.03, h14km, 6km, n61, c064/74, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like BOZC, CAST, IM3, MCK, KLU, etc.

WEL 02 21:39:53.4.40.9S.0.5.175.6E.0.7, h17km, ML3.8/21, North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like HOWZ, MRZ, TIWZ, etc.

ISCJB 02 21:31:43.8.0.6, 37.83N.0.04-27.37E.0.05, h8km, 7km, Error ellipse: s-maj=6.6km s-min=5.7km az=39.3

DDA 02 21:31:43.4.37.83N-27.36E, h7km, ML2.6

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

ISCJB 02 21:43:14.7, 0.8, 39.76N, 0.04:44.35E, 0.07, h8km, 7km, Error ellipse: s-maj=9.3km s-min=5.7km az=29.8

CSEM 02 21:43:14.7, 0.2, 39.77N, 0.04:44.32E, h10km, ML2.0, Error ellipse: s-maj=5.7km s-min=3.1km az=123.0

ISK 02 21:43:14.5, 39.74N, 0.04:44.38E, h5km, ML2.0/2 DDA 02 21:43:16.7, 39.78N, 0.04:44.39E, h14km, ML2.5

ISC 02 21:43:15.0, 1.2, 39.77N, 0.04:44.32E, 0.04, h10km, gkm, n11, -05/49/20, Iran-Armenia-Azerbaijan border region

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

ISC 02 21:44:54.9, 1.2, 31.99S, 178.57W, h0km, mb4.3/6, mb1 4.4/7, mb1mx4.0/48, mbtmp4.3/7, ML4.2/1, MS3.2/3, Ms1 3.2/3, ms1mx2.7/46, Error ellipse: s-maj=32.5km s-min=25.6km az=42.0

NEIC 02 21:44:56.4, 0.3, 31.97S, 178.56W, h10km, mb4.4/9, Error ellipse: s-maj=9.3km s-min=6.8km az=124.0

ISCJB 02 21:44:58.9, 0.6, 31.88S, 0.09:178.5V, 0.1, h45km, mb4.5/14, MS3.2/2, Error ellipse: s-maj=14.6km s-min=10.6km az=40.0

ISC 02 21:45:00.9, 0.6, 31.93S, 0.09:178.6W, 0.1, h45km, n28, -1/09/25, mb4.6/14, Kermadec Islands region

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

TORD Torodi Ar. Bea 161.29 181 PKPab PKPab 22 05 40.2 -0.6

baz=174,slow=5.3

IDC 02 22:05:40.7, 0.7, 18.88S, 174.33W, h0km, mb4.2/12, mb1 4.4/13, mb1mx4.1/55, mbtmp4.2/13, ML4.0/1, MS3.3/6, Ms1 3.2/3, ms1mx2.8/49, Error ellipse: s-maj=26.6km s-min=16.5km az=129.0

NEIC 02 22:05:42.3, 0.4, 18.86S, 174.36W, h10km, mb4.6/5, Error ellipse: s-maj=10.8km s-min=7.1km az=116.0

ISC 02 22:05:41.7, 0.7, 18.77S, 0.09:174.2W, 0.1, h10km, n31, -1/196/24, mb4.3/15, Tonga Islands

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

s-min=24.3km az=82.0, Mariana Islands region

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

CSEM 02 22:25:53.1, 27.70N, 181.14W, h18km, ML3.6, Canary Islands region

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

MEX 02 22:32:46.9, 0.4, 14.29N, 92.18W, h14km, 115km, MD3.9, Near coast of Chiapas

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

UPP 02 22:36:14.5, 2.3, 65.88N, 13.13E, h0km, ML2.5 HEL 02 22:36:14.5, 65.88N, 13.13E, h10km, ML2.5 (UPP)

IDC 02 22:36:16.4, 1.3, 66.07N, 13.41E, h0km, mb1 3.4/5, mb1mx3.2/72, mbtmp3.4/5, ML3.3/5, Error ellipse: s-maj=17.0km s-min=7.4km az=116.0

NAO 02 22:36:16.2, 1.1, 66.06N, 13.32E, ML3.1 BER 02 22:36:16.9, 0.8, 66.08N, 13.36E, h5km, ML2.4, ML3.1 (NAO)

CSEM 02 22:36:17.7, 0.2, 66.02N, 13.53E, h10km, ML2.7, Error ellipse: s-maj=5.5km s-min=2.4km az=124.0

ISC 02 22:36:15.8, 1.2, 66.04N, 0.02:13.35E, 0.03, h1km, 9km, n12, -1/66/219, ID, Northern Norway

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

IDC 02 22:15:32.4, 2.9, 17.16N, 147.40E, h0km, mb3.7/7, mb1 3.8/7, mb1mx3.6/61, mbtmp3.7/7, MS3.8/1, Ms1 3.8/1, ms1mx2.4/51, Error ellipse: s-maj=93.9km

2d 22h

Table with columns: Station Name, Frequency, Mode, Power, and other parameters. Includes stations like BURU, LANU, KALU, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like ARCES, ARO, AREO, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like YKA, H1N2, H1N1, etc.

ISCJB 02 22:42:35.70, 27.94N, 0.09:18.20W, 0.07, h25km, 12km, Error ellipse: s-maj=14.7km s-min=10.3km az=1.4

CSEM 02 22:42:37.50, 0.1, 27.82N, 18.11W, h20km, ML4.4, Error ellipse: s-maj=7.0km s-min=3.9km az=96.0

INMG 02 22:42:39.40, 0.9, 27.65N, 18.20W, 1.7km, km, ML3.4, Error ellipse: s-maj=4.8km s-min=4.1km az=85.0

ISC 02 22:42:36.31, 5.2, 27.81N, 0.1:18.20W, 0.09, h29km, 11km, n18, c134/32, Canary Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like CTAD, CORC, CJUL, etc.

ISCJB 02 22:53:07.4, 0.4, 28.84N, 0.05:140.1E, 0.1, h480km, mb3.6/15, Error ellipse: s-maj=13.9km s-min=5.6km az=160.6

JMA 02 22:53:07.5, 0.1, 28.85N, 140.10E, h480km, M3.8, IDC 02 22:53:07.8, 0.7, 28.72N, 139.61E, h453km, 13km, mb3.3/13, mb1.3/4/17, mb1mx3.1/70, mb1mx2.1/17, Error ellipse: s-maj=37.8km s-min=9.4km az=75.0

ISC 02 22:53:08.5, 0.7, 28.86N, 0.08:140.2E, 0.2, h480km, n32, c113/39, mb3.7/15, Bonin Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like CBJ, JCH, JHH, etc.

Y46A	Houston	49.72 346	P	P	23 40 24.7	-1.4
X49A	Woodville	49.77 348	P	P	23 40 25.0	-1.5
X48A	Hartselle	49.86 348	P	P	23 40 25.6	-1.6
X48A	Hartselle	49.86 348	eP	P	23 40 25.7	-1.6
Y45A	Yeager Farm, C	49.87 345	P	P	23 40 26.7	-0.6
W53A	Cullowhee	49.90 352	P	P	23 40 26.7	-0.9
140A	Cam and Jess,	49.90 340	P	P	23 40 27.8	+0.3
140A	Cam and Jess,	49.90 340	eP	P	23 40 28.6	+1.1
140A	Cam and Jess,	49.90 340	eP	pP	23 40 28.1	-0.5
W52A	Murphy	49.93 351	P	P	23 40 26.7	-1.1
W52A	Murphy	49.93 351	eP	P	23 40 27.2	-0.6
Z42A	Norrel Spur, H	49.98 342	P	P	23 40 27.2	-0.9
HOPE	Hope Point	50.08 151	PFAKE		23 40 40.0	+1.1
HOPE	Hope Point		LR			
X47A	Russellville	50.10 347	P	P	23 40 27.0	-2.0
Y44A	Stride, Charl	50.14 344	P	P	23 40 28.0	-1.3
Z41A	Richland Creek	50.22 341	P	P	23 40 29.9	-0.1
Z41A	Richland Creek	50.22 341	eP	P	23 40 30.2	+0.2
Y43A	Makayla and Ka	50.28 343	P	P	23 40 29.7	-0.7
X46A	Booneville	50.30 346	P	P	23 40 28.7	-1.8
V53A	Saluda	50.34 352	P	P	23 40 29.7	-1.2
W49A	Belvidere	50.35 349	P	P	23 40 29.1	-1.8
X45A	UM Field Stati	50.37 345	P	P	23 40 29.3	-1.7
CPCT	Cooper Cave	50.37 351	eP	P	23 40 30.3	-0.8
SWET	Sewanee	50.38 349	eP	P	23 40 29.8	-1.5
JCT	Junction City	50.39 333	P	P	23 40 30.6	-0.7
JCT	Junction City	50.39 333	eP	P	23 40 31.3	0.0
JCT	Junction City		LR	LR		
Z40A	Long Farm, Mag	50.41 341	P	P	23 40 31.7	+0.3
NCAT	North Carolina	50.44 356	eP	P	23 40 31.0	-0.6
HPIG	Oxford	50.45 325	eP	P	23 40 31.6	-0.4
OXF	Oxford	50.45 345	P	P	23 40 29.6	-2.1
OXF	Oxford	50.45 345	eP	P	23 40 31.0	-0.7
OXF	Oxford	50.45 345	eP	pmax	23 40 31.0	-0.7
Y42A	Garnett, Star	50.45 343	P	P	23 40 31.3	-0.4
TKL	Tuckaleechee C	50.46 351	P	P	23 40 30.3	-1.5
TKL	Tuckaleechee C	50.46 351	eP	P	23 47 39.1	-3.8
TKL	Tuckaleechee C		S		00 02 56.3	
TKL	Tuckaleechee C		LR	LR		
TKL	Tuckaleechee C		LR	LR		
TKL	Tuckaleechee C		S		23 47 39.1	-3.8
W48A	Pulaski	50.50 348	P	P	23 40 30.2	-1.9
CCAR	Cane Creek	50.53 343	eP	P	23 40 32.3	+0.1
PLAL	Pickwick Lake	50.59 347	eP	P	23 40 30.7	-2.0
V52A	Sewerville	50.62 352	P	P	23 40 31.6	-1.3
V52A	Sewerville	50.62 352	eP	P	23 40 31.6	-1.3
X44A	Crenshaw	50.63 344	P	P	23 40 31.0	-1.9
V50A	Pikeville	50.68 350	P	P	23 40 32.1	-1.3
V51A	Loudon	50.69 351	P	P	23 40 32.2	-1.3
V51A	Loudon	50.69 351	eP	P	23 40 32.1	-1.3
WHTX	Lake Whitney,	50.72 336	P	P	23 40 33.3	-0.5
WHTX	Lake Whitney,	50.72 336	eP	P	23 40 33.9	+0.1
WHTX	Lake Whitney,	50.72 336	eP	pP	23 40 43.5	-1.5
Y41A	Eaglette Beard	50.74 342	P	P	23 40 33.6	-0.2
W47A	Westpoint	50.75 347	P	P	23 40 31.7	-2.2
W46A	Michie	50.80 347	P	P	23 40 32.0	-2.3
X43A	Marvell	50.84 344	P	P	23 40 33.8	-0.8
PMSA	Palmer Station	50.86 174	P	P	23 40 34.4	+0.1
PMSA	Palmer Station	50.86 174	eP	P	23 59 03.0	
PMSA	Palmer Station	50.86 174	eP	LR	23 40 34.4	+0.1
PMSA	Palmer Station		LR	LR		
V49A	McMinnville	50.91 349	P	P	23 40 33.2	-2.0
U53A	Fall Branch	51.00 353	P	P	23 40 34.2	-1.6
W45A	Hickory Valley	51.02 346	P	P	23 40 34.0	-1.9
V48A	Smith Brothers	51.06 348	P	P	23 40 34.7	-1.5
V48A	Smith Brothers	51.06 348	eP	P	23 40 34.5	-1.7
Y40A	Okolona	51.07 341	P	P	23 40 36.2	-0.2
X42A	Stuttger	51.08 343	P	P	23 40 35.5	-0.9
W44A	Shelby Farms P	51.15 345	P	P	23 40 35.3	-1.6
LPIG	La Paz	51.16 318	P	P	23 40 37.5	+0.4
LPIG	La Paz		LR	LR	23 57 40.5	
MET	Memphis-Engin	51.16 345	eP	P	23 40 36.1	-0.9
TXAR	Lajitas Arroyo	51.28 328	P	P	23 40 37.7	-0.4
TXAR	Lajitas Arroyo		LR	LR	00 01 12.7	
TXAR	Lajitas Arroyo		PKP2bc		00 11 25.2	
TX31	Lajitas Ar. Si	51.28 328	eP	P	23 40 37.8	-0.3
X41A	Kaden, Bauxite	51.28 342	P	P	23 40 37.0	-0.9
V47A	Nunnely	51.29 348	P	P	23 40 35.5	-2.4
TZTN	Tazewell	51.30 352	P	P	23 40 36.6	-1.5
TZTN	Tazewell	51.30 352	eP	P	23 40 37.1	-0.9
W43A	Forest City	51.33 344	P	P	23 40 37.1	-1.2
X40A	Basin Creek Fa	51.37 342	P	P	23 40 37.6	-1.0
X40A	Basin Creek Fa	51.37 342	eP	P	23 40 36.2	-2.4
V46A	Holiday	51.39 347	P	P	23 40 36.2	-2.5
UALR	University of	51.49 342	eP	P	23 40 38.7	-0.7
V45A	Humboldt	51.52 346	P	P	23 40 37.5	-2.1
BLA	Blacksburg	51.62 355	eP	P	23 40 39.8	-0.7
BLA	Blacksburg	51.62 355	eP	P	23 40 40.0	-0.4

BLA	comp=Z,3um,22.0s		LR	LR		
U49A	Red Boiling Sp	51.62 350	P	P	23 40 38.4	-2.0
WVT	Waverly	51.64 347	P	P	23 40 38.3	-2.3
WVT	Waverly	51.64 347	eP	P	23 40 38.3	-2.3
WVT	Waverly	51.64 347	eP	pmax	23 40 38.3	-2.3
MIAR	Mount Ida	51.65 341	P	P	23 40 40.0	-0.6
MIAR	Mount Ida	51.65 341	eP	P	23 40 40.1	-0.6
MIAR	Mount Ida		LR	LR		
MIAR	Mount Ida	51.65 341	eP	pmax	23 40 40.1	-0.6
MIAR	Mount Ida		MLR	MLR		
W42A	Bald Knob	51.73 343	P	P	23 40 40.2	-1.1
U48A	Cassie Pea, Po	51.76 349	P	P	23 40 39.6	-1.9
HBAR	Harrisburg	51.76 344	eP	P	23 40 40.8	-0.6
HALT	Halls	51.77 346	eP	P	23 40 39.9	-1.7
T52A	Hallie	51.78 353	P	P	23 40 40.3	-1.4
X39A	Fountain Ranch	51.79 341	P	P	23 40 41.5	-0.3
URVA	University of	51.81 358	eP	P	23 40 40.6	-1.2
V44A	Blytheville	51.83 345	P	P	23 40 40.2	-1.8
U47A	Clarksville	51.83 348	P	P	23 40 39.7	-2.3
W41B	Gary Mavity, V	51.84 343	P	P	23 40 41.2	-0.9
W41B	Gary Mavity, V	51.84 343	eP	P	23 40 41.2	-0.9
U46A	Springville	51.94 347	P	P	23 40 40.7	-2.1
V43A	Jonesboro	51.95 345	P	P	23 40 41.5	-1.3
T50A	Nancy	51.96 351	P	P	23 40 41.3	-1.6
WHAR	Woolly Hollow	51.96 343	eP	P	23 40 42.2	-0.8
GNAR	Gosnell	51.99 345	eP	P	23 40 42.5	-0.6
U45A	Rockin P Farm,	52.06 347	P	P	23 40 41.5	-2.1
UTMT	University of	52.07 346	eP	P	23 40 42.1	-1.6
IP05	Hopewell Church	52.08 358	eP	P	23 40 44.2	+0.4
W40A	Ferguson Farm,	52.10 342	P	P	23 40 43.9	-0.1
W40A	Ferguson Farm,	52.10 342	eP	P	23 40 43.9	-0.1
GLAT	Glass	52.10 346	eP	P	23 40 42.0	-2.0
T49A	Edmonton	52.15 350	P	P	23 40 42.8	-1.6
ABTX	Abilene, Hawle	52.16 334	P	P	23 40 44.3	-0.3
ABTX	Abilene, Hawle	52.16 334	eP	P	23 40 44.2	-0.3
IP07	Quail	52.18 358	eP	P	23 40 44.5	0.0
U44B	Burton Farm, H	52.18 346	P	P	23 40 42.9	-1.7
IP06	Yanceyville	52.19 358	eP	P	23 40 44.7	+0.1
V42A	Cord	52.19 344	P	P	23 40 43.0	-1.6
IP01	Cuckoo	52.21 358	eP	P	23 40 44.7	0.0
IP03	Louisa	52.28 358	eP	P	23 40 45.3	0.0
CVRD	Centerville Ro	52.32 358	eP	P	23 40 45.5	0.0
W39A	Magazine	52.32 341	P	P	23 40 45.5	-0.2
W39A	Magazine	52.32 341	eP	P	23 40 45.4	-0.2
T47A	Sharon Grove	52.33 348	P	P	23 40 43.7	-1.9
T47A	Sharon Grove	52.33 348	eP	P	23 40 43.8	-1.9
IP04	Greensprings	52.35 358	eP	P	23 40 46.0	+0.2
SS2A	Salysville	52.36 353	P	P	23 40 44.3	-1.6
PTRD	Partlow Road	52.36 358	eP	P	23 40 45.5	-0.4
V41A	Mountainview	52.38 343	P	P	23 40 44.8	-1.3
SS1A	Beattyville	52.38 352	P	P	23 40 44.7	-1.3
U44A	Portageville	52.42 346	P	P	23 40 44.9	-1.4
CBN	Corbin Frederi	52.44 358	P	P	23 40 45.8	-0.6
CBN	Corbin Frederi	52.44 358	eP	P	23 40 45.5	-1.0
CBN	Corbin Frederi		LR	LR		
U43A	Recto	52.47 345	P	P	23 40 45.3	-1.4
T46A	Princeton	52.54 348	P	P	23 40 45.2	-2.0
PARMO	Parma	52.59 346	eP	P	23 40 47.0	-0.6
V40A	Witts Springs	52.59 342	P	P	23 40 46.8	-0.9
V40A	Witts Springs	52.59 342	eP	P	23 40 46.8	-0.9
U42A	Reviden	52.66 344	P	P	23 40 46.7	-1.5
T45A	Paducah	52.67 347	P	P	23 40 46.3	-1.9
T45A	Paducah	52.67 347	eP	P	23 40 46.0	-2.3
S48A	Wiedeman Farm,	52.78 350	P	P	23 40 47.0	-2.1
U41A	Viola	52.84 344	P	P	23 40 48.1	-1.4
PBMO	Poplar Bluff	52.86 345	eP	P	23 40 48.0	-1.6
V39A	Pettigrew	52.87 342	P	P	23 40 48.9	-0.9
T44A	Benton	52.95 346	P	P	23 40 48.5	-1.8
T43A	Greenville	53.12 345	P	P	23 40 49.8	-1.7
U40A	Yellville	53.12 343	P	P	23 40 50.5	-1.0
S46A	Don Dixon Farm	53.12 348	P	P	23 40 49.5	-2.0
T42A	Van Buren	53.27 345	eP	P	23 40 50.8	-1.9
S45A	Carrier Mills	53.29 347	P	P	23 40 51.1	-1.7
U39A	Green Forest	53.				

Q47A	Sheridan	55.32 350	P	P	23 41 05.3	-2.2
Q40A	Laux Farm, Aux	55.38 344	P	P	23 41 06.4	-1.5
P43A	Skaggs, Arwnee	55.38 347	P	P	23 41 06.3	-1.6
N50A	Nevada	55.42 353	P	P	23 41 06.4	-1.8
P42A	Winchester	55.51 346	P	P	23 41 07.1	-1.8
P42A	Winchester	55.51 346	eP	P	23 41 07.0	-1.8
YLE	Yale	55.58 2	eP	P	23 41 11.2	+1.9
O45A	Potomac	55.60 349	P	P	23 41 07.1	-2.5
SFIN	Lafayette	55.61 349	P	P	23 41 07.1	-2.5
SFIN	Lafayette	55.61 349	eP	P	23 41 07.0	-2.5
O44A	Mansfield	55.65 348	P	P	23 41 07.6	-2.3
Q39A	Willow Grove F	55.66 344	P	P	23 41 08.7	-1.2
Q38A	Cooks Store, C	55.76 343	P	P	23 41 09.7	-1.0
KSPA	Keystone Colle	55.76 360	eP	P	23 41 10.9	+0.2
P41A	Barry, Barry	55.77 346	P	P	23 41 09.1	-1.6
M54A	Oil Creek Stat	55.84 356	P	P	23 41 10.0	-1.2
M54A	Oil Creek Stat	55.84 356	eP	P	23 41 10.1	-1.2
319A	Douglas	55.87 325	eP	P	23 41 12.1	+0.3
P40A	Paris	55.87 345	eP	P	23 41 10.0	-1.5
P40A	Paris	55.87 345	eP	P	23 41 10.2	-1.3
Q37A	Longview Farm,	55.92 342	P	P	23 41 10.6	-1.3
O43A	Sugar Creek Fa	55.95 347	P	P	23 41 09.9	-2.1
121A	Cookes Peak, D	55.95 327	P	P	23 41 12.9	+0.5
M65A	Busby, Falmost	55.96 5	P	P	23 41 11.5	-0.6
ALLY	Alegheny Colle	56.01 356	eP	P	23 41 11.2	-1.2
P39B	Salisbury	56.02 344	P	P	23 41 11.2	-1.3
O42A	Bath	56.03 347	P	P	23 41 10.8	-1.8
N46A	Monticello	56.05 350	P	P	23 41 10.3	-2.4
O41A	Pasleys Farm,	56.14 346	P	P	23 41 11.4	-2.0
N45A	Kentland	56.14 349	P	P	23 41 10.9	-2.5
N44A	Piper City	56.21 349	P	P	23 41 11.4	-2.4
HDIL	Hopedale	56.21 348	P	P	23 41 11.8	-2.1
HDIL	Hopedale	56.21 348	PFAKE	LR	23 41 30.0	+1.6
BRYW	Bryant College	56.25 4	eP	P	23 41 14.2	+0.1
P38A	Dawn	56.35 343	P	P	23 41 13.6	-1.3
P38A	Dawn	56.35 343	eP	P	23 41 13.7	-1.3
O40A	La Belle	56.39 345	P	P	23 41 13.5	-1.7
BINY	Binghamton	56.41 360	P	P	23 41 15.3	0.0
BINY	Binghamton	56.41 360	eP	P	23 41 15.3	0.0
ERPA	Erie	56.47 356	P	P	23 41 14.4	-1.3
ERPA	Erie	56.47 356	eP	P	23 41 14.8	-0.9
RKT	Rikitea	56.48 252	eS	S	23 49 05.0	-0.2
RKT	Rikitea	56.48 252	eSS	SS	23 52 52.7	-0.2
RKT	comp-Z,920nm,28.5s		eLQ	LQ	23 55 16.3	
RKT	comp-Z,818nm,25.5s		eLR	LR	23 57 37.4	
RKT	Rikitea	56.48 252	eT	T	00 41 33.4	
M46A	Old House Fiel	56.49 350	eP	P	23 41 13.4	-2.4
M46A	Old House Fiel	56.49 350	eP	P	23 41 14.6	-1.2
P37A	Lathrop	56.55 343	P	P	23 41 14.7	-1.6
N43A	Stutzman Famil	56.55 348	P	P	23 41 14.3	-2.0
QUA2	Belcher Farm	56.57 3	eP	P	23 41 16.2	-0.2
M45A	Boilermakers S	56.62 350	P	P	23 41 14.1	-2.7
N42A	Yates City	56.63 347	P	P	23 41 14.8	-2.1
O39A	Kirksville	56.68 345	P	P	23 41 15.9	-1.4
BCX	Boston College	56.69 4	eP	P	23 41 17.7	+0.4
N41A	Harden Midland	56.70 346	P	P	23 41 15.2	-2.1
N41A	Harden Midland	56.70 346	eP	P	23 41 15.5	-1.8
Y22D	IRIS PASSCAL I	56.73 329	P	P	23 41 17.7	-0.2
Y22E	IRIS PASSCAL I	56.73 329	P	P	23 41 17.9	0.0
WES	Weston	56.73 4	eP	P	23 41 17.4	-0.1
WES	Weston	56.73 4	eP	P	23 41 17.4	-0.1
M44A	Midewin, Midew	56.76 349	P	P	23 41 15.1	-2.6
M44A	Midewin, Midew	56.76 349	eP	P	23 41 15.2	-2.6
KSU1	Kansas State U	56.79 341	P	P	23 41 16.7	-1.4
KSU1	Kansas State U	56.79 341	eP	P	23 41 17.0	-1.1
KSU1	Galt	56.80 344	P	P	23 41 16.6	-1.5
HRV	Adam Dzewonsk	56.84 4	P	P	23 41 18.4	+0.1
HRV	Adam Dzewonsk	56.84 4	eP	P	23 41 18.4	+0.1
TRY	Troy	56.97 2	eP	P	23 41 19.7	+0.5
MMN	Mt. Morris Dam	56.98 358	eP	P	23 41 18.9	-0.4
AMN	Ann Arbor	56.99 353	P	P	23 41 17.5	-1.9
AAM	Ann Arbor	56.99 353	eP	P	23 41 18.1	-1.2
AAM	Ann Arbor	56.99 353	eP	LR		
AAM	Ann Arbor	56.99 353	eP	pmax	23 41 18.1	-1.2
AAM	Ann Arbor	56.99 353	eP	MLR		
M43A	Walham Townsh	56.99 348	P	P	23 41 17.1	-2.3
O37A	Wolven Farm, M	57.03 343	P	P	23 41 18.3	-1.4
N40A	Mertquake, Sal	57.04 346	P	P	23 41 17.6	-2.2
M42A	Sheffield	57.17 347	P	P	23 41 18.4	-2.2
TASL	Snake Pit, Alb	57.20 330	P	P	23 41 21.0	-0.3
ANMO	Albuquerque	57.20 330	P	P	23 41 20.9	-0.3

ANMO	comp-Z,19nm,0.9s,baz=145,slow=11,SNR=35	S	S	23 49 13.7	-0.8	
ANMO	comp-Z,0.2nm,0.3s,baz=20,slow=12,SNR=1.3	LR	LR	00 03 49.1		
ANMO	Albuquerque	57.20 330	P	P	23 41 21.0	-0.3
ANMO	Albuquerque	57.20 330	eP	P	23 41 21.0	-0.3
ANMO	Albuquerque	57.20 330	eP	S	23 49 13.7	-0.8
ANMO	Albuquerque	57.20 330	eP	LR	23 41 20.5	-0.8
TASM	ASL Pad, Albuq	57.20 330	P	P	23 41 21.2	-0.1
N39A	Derby Farms, D	57.26 345	P	P	23 41 19.7	-1.6
N39A	Derby Farms, D	57.26 345	eP	P	23 41 19.6	-1.6
M41A	Milan	57.26 347	P	P	23 41 19.1	-2.2
N38A	Joes South For	57.37 344	P	P	23 41 20.7	-1.4
TUC	Tucson	57.41 325	P	P	23 41 22.5	-0.2
TUC	Tucson	57.41 325	PFAKE	LR	23 41 40.0	+1.7
MEDO	Medina	57.43 358	P	P	23 41 21.3	-1.1
TYNO	Tyneside	57.43 356	P	P	23 41 21.3	-1.1
L44A	Lake County Fo	57.51 349	P	P	23 41 20.6	-2.4
STCO	Saint Catharin	57.51 357	P	P	23 41 22.7	-0.3
M40A	Post Highland	57.52 346	P	P	23 41 21.0	-2.1
N37A	Lee Faris, Mou	57.60 343	P	P	23 41 22.3	-1.5
N37A	Lee Faris, Mou	57.60 343	eP	P	23 41 22.9	-0.8
CBKS	Cedar Bluff	57.61 338	P	P	23 41 23.2	-0.7
CBKS	Cedar Bluff	57.61 338	eP	P	23 41 23.7	-0.2
CBKS	Cedar Bluff	57.61 338	eP	LR	23 41 23.7	-0.2
CBKS	Cedar Bluff	57.61 338	eP	pmax	23 41 23.7	-0.2
CBKS	comp-Z,129nm,1.0s	MLR	MLR			
ACCN	Adirondack Com	57.62 2	eP	P	23 41 24.2	+0.4
ELFO	Elginfield	57.63 355	P	P	23 41 22.1	-1.8
L43A	Garden Prairie	57.66 349	P	P	23 41 21.1	-2.0
L42A	Oliver, Polo	57.68 348	P	P	23 41 21.9	-2.3
L42A	Oliver, Polo	57.68 348	eP	P	23 41 22.4	-1.8
M39A	Webster	57.74 345	P	P	23 41 22.6	-2.1
FFD	Franklin Falls	57.79 3	eP	P	23 41 25.3	+0.3
N36A	Muff Farm, Ci	57.86 343	P	P	23 41 24.3	-1.3
L41A	Preston	57.92 347	P	P	23 41 23.7	-2.3
M38A	Pleasantville	57.94 344	P	P	23 41 24.3	-1.8
ACTO	Action	57.95 356	P	P	23 41 24.7	-1.5
T25A	Trinidad	58.05 333	eP	P	23 41 27.0	-0.3
T25A	Trinidad	58.05 333	eP	P	23 41 26.5	-0.8
L40A	Anamosa	58.07 346	P	P	23 41 24.9	-2.1
L40A	Anamosa	58.07 346	eP	P	23 41 25.0	-2.1
K43A	Burlington	58.09 349	P	P	23 41 25.0	-2.1
K43A	Burlington	58.09 349	eP	P	23 41 25.1	-2.0
DRWO	Darlington Wes	58.15 357	P	P	23 41 25.9	-1.6
DRCO	St. Marys Ceme	58.15 357	P	P	23 41 26.4	-1.1
M37A	Trindle Farm,	58.16 344	P	P	23 41 26.5	-1.2
M37A	Houston Westvil	58.18 358	P	P	23 41 27.1	-1.6
NCB	Newcomb	58.19 1	eP	P	23 41 27.7	-0.1
PKRO	Pickering	58.25 357	P	P	23 41 27.1	-1.1
L39A	Vinton	58.31 346	P	P	23 41 26.7	-2.0
214A	Organ Pipe Nat	58.31 323	P	P	23 41 29.2	+0.3
K42A	Prairie Point,	58.36 348	P	P	23 41 27.0	-2.0
K41A	Shullsburg	58.39 347	P	P	23 41 27.1	-2.1
SCIA	State Center	58.41 345	P	P	23 41 27.6	-1.7
SCIA	State Center	58.41 345	eP	LR	23 41 28.5	-0.9
M36A	Felix, Anita	58.41 343	P	P	23 41 27.9	-1.5
BASO	Bashford	58.48 355	P	P	23 41 28.7	-1.1
BWLO	Walkerton	58.54 355	P	P	23 41 28.6	-1.6
LBNH	Lisbon	58.54 3	P	P	23 41 30.6	+0.4
LBNH	Lisbon	58.54 3	eP	P	23 41 31.2	+0.9
L38A	Oak Wood Farm,	58.56 345	P	P	23 41 28.5	-1.9
VT1	Waterbury	58.60 2	eP	P	23 41 30.7	+0.1
X18A	Snowflake	58.64 327	eP	P	23 41 32.3	+0.9
K40A	Colesburg	58.66 347	P	P	23 41 28.9	-2.1
JFWS	Jewell Farm	58.67 347	P	P	23 41 29.2	-2.0
JFWS	Jewell Farm	58.67 347	eP	P	23 41 29.8	-1.4
JFWS	Jewell Farm	58.67 347	eP	LR	23 41 29.8	-1.4
JFWS	Jewell Farm	58.67 347	eP	pmax	23 41 29.8	-1.4
JFWS	Jewell Farm	58.67 347	eP	MLR		
BRCO	Brum Peninsula	58.69 355	P	P	23 41 29.7	-1.6
DELO	Deloro Mine	58.75 358	P	P	23 41 30.2	-1.4
L37A	Phoenix Point,	58.75 344	P	P	23 41 30.1	-1.7
J43A	Natural Harves	58.76 349	P	P	23 41 30.0	-1.8
CLWO	Collingwood	58.81 356	P	P	23 41 30.5	-1.6
J42A	Columbus	58.83 349	P	P	23 41 30.4	-1.9
LONY	Lake Ozonia	58.83 1	P	P	23 41 32.0	-0.3
LONY	Lake Ozonia	58.83 1	eP	P	23 41 32.1	-0.2
LONY	Delwin	58.84 346	P	LR	23 41 30.1	-2.2
K39A	Kaye Shedlock	58.89 336	P	P	23 41 32.3	-0.6
K39A	Kaye Shedlock	58.89 336	eP	P	23 41 32.9	-0.1

L36A	Harm Buss Farm	58.97 344	P	P	23 41 32.1	-1.2
W18A	Petrified Fore	58.98 328	P	P	23 41 34.0	+0.2
W18A	Petrified Fore	58.98 328	eP	P	23 41 34.1	+0.4
K38A	Parkersburg	58.99 345	P	P	23 41 31.5	-1.9
K38A	Parkersburg	58.99 345	eP	P	23 41 32.1	-1.3
BMRO	Meriville Lake	59.02 355	P	P	23 41 31.9	-1.6
WVL	Waterville	59.02 5	eP	P	23 41 34.1	+0.6
SDCO	Great Sand Dun	59.04 333	P	P	23 41 33.8	-0.4
SDCO	Great Sand Dun	59.04 333	eP	LR	23 41 33.8	-0.4
J41A	Loganville	59.05 348	P	P	23 41 31.9	-1.9
SADO	Sadova	59.06 357	P	P	23 41 32.0	-1.8
SADO	Sadova	59.06 357	eP	P	23 41 32.2	-1.7
FRNY	Flat Rock	59.07 2	eP	P	23 41 34.0	+0.1
I43A	Langenfeld Bro	59.20 350	P	P	23 41 33.1	-1.7
SACV	Santiago Islan	59.21 63	eP	P	23 41 34.1	-1.4
SACV	Santiago Islan	59.21 63	LR	LR		
J40A	Soldiers Grove	59.24 347	P	P	23 41 33.2	-1.9
PLVO	Plevna	59.26 359	P	P	23 41 34.1	-1.1
PLVO	Plevna	59.26 359	eP	P	23 41 34.4	-0.9
BANO	Bancroft	59.26 358	P	P	23 41 33.6	-1.6
K37A	Belmond	59.32 345	P	P	23 41 33.8	-1.9

JBP	Jabalpur	155.41	66	ex	PKPab	23 51 53.5	+0.1
TIA	Tai'an	155.53	334	PKP	PKPpdf	23 51 27.9	+0.2
TIA				PP	PP	23 55 28.9	-0.3
TIA	comp=Z,190nm,6.7s			AMB	AMB		
TIA	comp=Z,570nm,20.6s			LR	LR		
TIA	comp=Z,330nm,17.7s			LR	LR		
TIA	comp=Z,690nm,20.6s			LR	LR		
RPR	Rampur	155.63	76	ePKPab	PKPab	23 51 53.1	-1.4
TIY	Taiyuan	155.78	344	PKP	PKPpdf	23 51 27.2	-0.9
TIY				PKPab	PKPab	23 51 58.6	+4.1
TIY				PP	PP	23 55 28.2	-2.3
TIY				SS	SS	00 15 17.3	+2.9
TIY	comp=Z,260nm,7.7s			AMB	AMB		
TIY	comp=Z,570nm,23.2s			LR	LR		
TIY	comp=Z,360nm,19.3s			LR	LR		
TIY	comp=Z,850nm,23.4s			LR	LR		
NJS	Nagarjunasagar	155.80	82	ePKPab	PKPab	23 51 55.3	+0.1
PYUN	Piuthan	155.99	52	eP	PKPpdf	23 51 28.5	-0.3
ADKI	Addanki	156.44	84	ePKPpdf	PKPpdf	23 51 28.3	-1.1
DANN	Dangising	156.45	51	eP	PKPpdf	23 51 29.6	+0.1
KOLD	Koldanda	156.62	52	eP	PKPpdf	23 51 29.1	-0.5
GKN	Gorkha	157.29	51	eP	PKPpdf	23 51 30.0	-0.4
SSE	Sheshan	157.37	320	PKP	PKPpdf	23 51 29.2	-1.0
SSE				PP	PP	23 55 41.6	+1.6
SSE	comp=Z,160nm,6.1s			LR	LR		
SSE	comp=Z,160nm,19.0s			LR	LR		
SSE	comp=Z,300nm,18.2s			LR	LR		
DMN	Daman	157.85	51	eP	PKPpdf	23 51 30.9	-0.4
KN	Kakani	157.88	50	eP	PKPpdf	23 51 30.8	-0.4
DAV	Davao City (W)	157.88	253	PFAKE	PKPpdf	23 51 40.0	+8.7
DAV				LR	LR		
PVM	Polavaram	157.98	80	ePKPab	PKPab	23 52 05.4	+0.8
NJ2	Nanjing	158.06	325	ePKP	PKPpdf	23 51 30.6	-0.4
NJ2				LR	LR		
NJ2	comp=Z,850nm,17.3s			LR	LR		
NJ2	comp=Z,560nm,19.0s			LR	LR		
NJ2	comp=Z,1.1um,21.4s			LR	LR		
PKIN	Phulochi	158.08	51	eP	PKPpdf	23 51 30.8	-0.8
GUN	Gumba	158.26	49	eP	PKPpdf	23 51 31.6	-0.3
LZH	Lanzhou	158.49	1	ePKP	PKPpdf	23 51 32.7	+1.0
LZH				pPKP	pPKPpdf	23 51 43.0	-1.0
LZH				sPKP	sPKPpdf	23 51 47.7	-0.7
LZH				PP	PP	23 55 46.0	+0.7
LZH				SKKS	SKKS	00 02 35.8	-0.7
LZH				SS	SS	00 15 42.1	-1.2
LZH	comp=Z,770nm,7.1s			AMB	AMB		
LZH	comp=Z,1.1um,15.6s			LR	LR		
LZH	comp=Z,1.1um,17.2s			LR	LR		
LZH	comp=Z,2.1um,18.3s			LR	LR		
LEM	Lembang	158.57	189	PKP	PKPpdf	23 51 33.0	+0.6
LEM	comp=Z,2.7nm,0.8s,baz=280,slow=4.5,SNR=3.9			PP	PP	23 55 50.0	+4.2
LEM	comp=Z,1.8nm,0.7s,baz=153,slow=2.3,SNR=3.3			PP	PP	23 55 50.0	+4.2
JIRN	Jiri	158.62	49	eP	PKPpdf	23 51 31.7	-0.6
RAMN	Ramite	158.92	50	eP	PKPpdf	23 51 32.9	-0.1
VIS	Vishakhapatnam	158.96	78	eP	PKPpdf	23 51 30.1	-3.1
TAPN	Taplejung	158.91	48	eP	PKPpdf	23 51 33.8	0.0
ODAN	Odang	159.96	49	eP	PKPpdf	23 51 33.0	-0.2
XAN	Xi'an	160.10	349	PKP	PKPpdf	23 51 33.6	+0.2
XAN				pPKP	pPKPpdf	23 51 43.0	-2.2
XAN				PP	PP	23 55 51.6	-2.4
XAN				SKKS	SKKS	00 02 36.6	-0.4
XAN	comp=Z,290nm,7.6s			AMB	AMB		
XAN	comp=Z,730nm,22.4s			LR	LR		
XAN	comp=Z,210nm,17.3s			LR	LR		
XAN	comp=Z,840nm,22.0s			LR	LR		
CHLP	Chalvapaneta	160.15	76	ePKPpdf	PKPpdf	23 51 31.2	-2.6
BOK	Bokaro	160.28	59	eP	PKPpdf	23 51 33.8	-0.1
BOK				IAMS_20	IAMS_20	23 59 49.6	-0.1
LSA	Lhasa	160.57	37	PKP	PKPpdf	23 51 35.3	+0.7
LSA	Lhasa	160.57	37	ePKPpdf	PKPpdf	23 51 35.0	+0.4
LSA				ePKPpdf	PKPpdf	23 51 47.1	+0.1
LSA	comp=Z,862nm,19.0s			LR	LR		
LSA	Lhasa	160.57	37	P	PKPpdf	23 51 35.9	+1.2
LSA	Lhasa	160.57	37	ePKP	PKPpdf	23 51 35.0	+0.4
LSA				e	MLR	23 51 47.1	-0.1
TATO	Taipei	160.80	306	PFAKE	PKPpdf	23 51 50.0	+1.6
TATO				LR	LR		
WHN	Wuhan	161.56	332	iPKP	PKPpdf	23 51 35.4	+0.4
WHN				pPKP	pPKPpdf	23 51 46.1	-1.2
WHN				PKPab	PKPab	23 52 18.1	-1.6
WHN				PP	PP	23 55 02.0	-0.2
WHN	comp=Z,3um,24.7s			LR	LR		
WHN	comp=Z,930nm,21.1s			LR	LR		
WHN	comp=Z,2um,21.5s			LR	LR		
OZH	Quanzhou	163.04	310	iPKP	PKPpdf	23 51 37.3	+0.6
OZH				pPKP	pPKPpdf	23 51 47.2	-1.8
OZH				PP	PP	23 56 11.2	+3.5
OZH				SS	SS	00 16 34.4	+1.1
OZH	comp=Z,310nm,20.4s			LR	LR		
OZH	comp=Z,590nm,18.5s			LR	LR		
OZH	comp=Z,810nm,19.0s			LR	LR		
ENH	Enshi	163.59	344	ePKPpdf	PKPpdf	23 51 37.2	+0.1
ENH				ePKPpdf	PKPpdf	23 51 48.3	-1.1
ENH	comp=Z,984nm,22.0s			LR	LR		
CD2	Chengdu	163.65	2	PKP	PKPpdf	23 51 36.0	-1.2
CD2				pPKP	pPKPpdf	23 51 47.4	-2.1
CD2				sPKP	sPKPpdf	23 51 51.5	-0.5
CD2				PP	PP	23 56 11.2	-1.7
CD2				SKKS	SKKS	00 02 57.8	-0.7
CD2				SS	SS	00 16 38.7	+1.6
CD2	comp=Z,580nm,6.6s			LR	LR		
CD2	comp=Z,690nm,22.7s			LR	LR		
CD2	comp=Z,670nm,23.3s			LR	LR		
CD2	comp=Z,500nm,22.9s			LR	LR		
SHL	Shilong	163.94	45	ex	PKPpre	23 51 33.3	-0.3
SHL				ex	PKPpre	23 56 19.0	-0.3
PSI	Prapat	167.21	155	PKP	PKPpdf	23 51 39.3	-1.4
PSI	comp=Z,29nm,1.2s,baz=180,slow=1.5,SNR=15			PKP	PKPpdf	23 51 40.7	-0.1
GYA	Gulyang	167.90	350	iPKP	PKPpdf	23 51 52.3	-0.9
GYA				PKPab	PKPab	23 52 49.9	+2.2
GYA				PKS	PKSdf	23 55 10.0	-3.7
GYA				PP	PP	23 56 32.9	-2.1
GYA				SKKS	SKKS	00 03 19.2	-0.2
GYA				SS	SS	00 17 20.8	+0.2
GYA	comp=Z,160nm,7.5s			LR	LR		
GYA	comp=Z,350nm,20.5s			LR	LR		
GYA	comp=Z,390nm,20.8s			LR	LR		
GYA	comp=Z,360nm,21.0s			LR	LR		
GZH	Guangzhou	167.93	316	PKP	PKPpdf	23 51 41.8	+1.0
GZH				PP	PP	23 56 42.3	+6.2

GZH	comp=Z,450nm,5.8s			AMB	AMB		
GZH	comp=Z,320nm,17.3s			LR	LR		
GZH	comp=Z,530nm,17.5s			LR	LR		
PBA	Port Blair	168.36	103	ex	PKPpre	23 51 36.4	-0.3
KMI	Kunming	169.31	8	PKP	PKPpdf	23 51 42.3	+0.4
KMI				pPKP	pPKPpdf	23 51 53.4	+0.9
KMI				sPKP	sPKPpdf	23 51 57.8	-0.3
TRTT	Trang	171.97	145	PKP	PKPpdf	23 51 43.7	+0.3
QIZ	Qiongzong	173.06	311	PKP	PKPpdf	23 51 43.6	-0.1
QIZ				PP	PP	23 56 59.6	-2.5
QIZ				SS	SS	00 18 15.1	+1.2
QIZ	comp=Z,160nm,6.4s			AMB	AMB		
QIZ	comp=Z,440nm,25.0s			LR	LR		
QIZ	comp=Z,410nm,18.1s			LR	LR		
QIZ	comp=Z,820nm,21.1s			LR	LR		
QIZ	Qiongzong	173.06	311	PFAKE	PKPpdf	23 51 50.0	+6.3
QIZ	comp=Z,740nm,22.0s			LR	LR		
CHTO	Chiang Mai	173.28	50	PFAKE	PKPpdf	23 51 50.0	+6.2
CHTO	comp=Z,1.1um,22.0s			LR	LR		
CHTO	Chiang Mai	173.28	50	P	PKPpdf	23 51 43.9	+0.1
CMMT	Chiang Mai	173.28	50	PKP	PKPpdf	23 51 43.6	-0.2
CMAR	Chiang Mai Arr	173.49	52	PKP	PKPpdf	23 51 43.5	-0.3
CMAR	comp=Z,10nm,1.1s,baz=324,slow=1.5,SNR=36			PKPab	PKPab	23 53 12.8	0.0
CMAR	comp=Z,2.6nm,0.8s,baz=305,slow=5.6,SNR=5.3			PP	PP	23 57 07.7	+3.3
CMAR	comp=Z,3.4nm,1.0s,baz=295,slow=8.3,SNR=6.0			PP	PP	23 51 45.7	+1.4
UMPA	Umpang Tak	174.45	71	PKP	PKPpdf	23 51 45.7	+1.4
SRDT	SRDT	174.94	91	PKP	PKPpdf	23 51 45.5	+1.1
UTHA	Uthaitani	175.15	77	PKP	PKPpdf	23 51 44.9	+0.4
PHIT	Phitsanulok	175.37	54	PKP	PKPpdf	23 51 45.2	+0.7
PBKT	Sadao Pong	176.15	57	PKP	PKPpdf	23 51 44.6	-0.1
NONG	Nongkai	176.27	18	PKP	PKPpdf	23 51 45.0	+0.3
SKNT	Sakolnakorn	177.51	8	PKP	PKPpdf	23 51 45.3	+0.4
UBPT	Khong Chiam	178.65	306	PKP	PKPpdf	23 51 46.3	+1.2

IDC 02 23:36:19.2-1.0, 37.94N:20:53E, h0km, mb3.9/10, mb1 3.8/15, mb1mx3.7/67, mbtmp3.7/15, ML3.6/5, Error ellipse: s-maj=21.2km s-min=17.3km az=148.0
 CSEM 02 23:36:22.0-0.2, 37.96N:20:36E, h10km, mb4.0/7, Error ellipse: s-maj=4.4km s-min=2.5km az=37.0
 ISCJB 02 23:36:22.4-0.4, 38.02N:02:20.31E, h27km, 3km, mb3.9/18, Error ellipse: s-maj=3.9km s-min=2.1km az=42.3
 PDG 02 23:36:22.3-0.6, 38.03N:20:33E, h16km, 2km, ML4.0/12, Error ellipse: s-maj=1.5km s-min=1.4km az=90.0
 ATH 02 23:36:22.0-0.2, 37.97N:20:54E, h20km, ML3.7/12, Error ellipse: s-maj=2.4km s-min=0.9km az=58.0
 NEIC 02 23:36:23.0-0.0, 37.97N:20:54E, h20km, mb4.0/10, ML3.7(A7H), After ATH.
 THE 02 23:36:24.3, 37.98N:20:54E, h0km, 2km, ML3.7/11, Error ellipse: s-maj=2.1km s-min=0.5km az=231.0
 ISC 02 23:36:22.0-0.6, 37.97N:02:20.47E, h18km, 4km, mb3.9/18, Error ellipse: s-maj=3.9km s-min=2.1km az=42.3

Code	Station Name	lat	lon	Phase ID	Time Res	ISC	h	m	s	ISC
VLS	Valsamata	0.23	25	P	Sb	23 36 28.0	+0.6			
VLS				S	Sb	23 36 29.0	+0.7			
VLS				AML	AML	23 36 32.7				
VLS	comp=E,50492um,0.2s			AML	AML	23 36 33.0				
VLS	comp=N,93730um,0.2s			P	Pb	23 36 28.1	+0.6			
VLS	Valsamata	0.23	25	P	Sg	23 36 31.0	-0.1			
VLS				S	Pb	23 36 28.1	+0.6			
VLS				S	Sg	23 36 31.0	-0.1			
VLS	Valsamata	0.23	25	P	Sb	23 36 29.0	+0.3			
VLS				S	Sb	23 36 32.0	+0.1			
VLS				S	Sb	23 36 29.0	+0.3			
VLS				S	Sb	23 36 32.0	+0.1			
VLS				S	Sb	23 36 29.0	+0.3			
VLS				S	Sb	23 36 32.0	+0.1			
VLS				S	Sb	23 36 29.0	+0.3			
VLS				S	Sb	23 36 32.0	+0.1			
VLS				S	Sb	23 36 29.0	+0.3			
VLS				S	Sb					

2d 23h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like VLI Veliaj, SMIA Simia, FYTO Fytko, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MS1 Monte Sant'Ang, BRY Bratogost, ENEZ Enez, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TLY Talaya, SOMN Songo Airway, PALK Palakele, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Cerro Villicun, Tanti, Villa Florida, San Martin, etc.

ISC 03 00:23:22.6:7.8, 52.08N:179.35E, h104km, 71km, mb3.6/11, mb1 3.8/12, mb1mx3.4/7, mbtmp4.0/12, ML4.5/1, MS4.2/1, Ms1 4.2/1, ms1mx3.1/5.1, Error ellipse: s-maj=38.7km s-min=17.1km az=11.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BMRM Bremner River, BALM Baldy, EGAK, DAWY Dawson, etc.

ISC 03 00:24:05.0:0.4, 13.98N:93.83W, h20km, 15km, MD4.0, Off coast of Chiapas

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

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

ISC 03 00:46:00.37:30N:142.00E, h23km, Mw4.4 Best double couple: M3.88000x1015 N1.9669.00000x2.826.00000, 2-36.00000, NP2.99192.00000, 875.00000, 1-111.00000

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

3d 0h

2012 JUL

Table with columns: TLY, Talaya, 30.52 310, eP, P, 00 52 26.3 +0.1, etc. Lists various stations and their associated data.

Table with columns: BVAR, Borovoye Array, 50.74 312, P, P, 00 55 12.3 -0.5, etc. Lists various stations and their associated data.

Table with columns: HVU, Hansel Valley, 75.82 48, eP, P, 00 58 00.7 +1.3, etc. Lists various stations and their associated data.

Table with columns: GUC 03 00:47:10.4, 0.8, 21, 94S, 68.71W, h126km, 6km, ML3.5, 8C, Chile-Bolivia border region. Includes station codes, station names, and coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARMA Armadale, CMSA Cobat Meteorol, STKA Stephens Creek, SONAO Songino Array, etc.

ISC/JB 03 02:06:25.7-0.6, 24:63S:0:08:179:59E:0:09, h531km, mb4.0/14, Error ellipse: s-maj=11.2km s-min=10.2km az=150.0

ISC 03 02:06:26.0-1.9, 24:48S:179:63E, h526km, 20km, mb3.5/15, ms1.3, 7.716, mb1mx3.4/48, mbtmp4.4/16, Error ellipse: s-maj=16.7km s-min=13.4km az=179.0

ISC 03 02:06:26.3-0.6, 24:70S:0:09:179:68E:0:10, h531km, n36, az=115/40, mb4.0/14, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, RPZ Rata Peaks, EIDS Eidsvold, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SJUI Sorong, GSPA South Pole Qui, MAW Matwong, SNAA Sanae, etc.

MDD 03 02:08:17.0-2.5, 35:57N:11:47W, h0km, mb3.5/6, Error ellipse: s-maj=26.0km s-min=19.0km az=121.0, PRXIMO

IGIL 03 02:08:17.7, 35:36N, 11:60W, h74km, ML2.0, INMG 03 02:08:18.1, 1.0, 35:29N:11:54W, h31km, ML2.0, Error ellipse: s-maj=8.4km s-min=4.2km az=92.0

CSEM 03 02:08:20.3-0.5, 35:51N:11:25W, h30km, mb3.5, Error ellipse: s-maj=12.8km s-min=8.6km az=128.0

ISC 03 02:08:13.6-4.1, 35:55N:0:2:11.6W:0:2, h10km, n54, az=232/79, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PFVI Vila Bisbo, PTEO Sao Teotonio, PBDV Barranco-do-Ve, etc.

ISC/JB 03 02:06:25.7-0.6, 24:63S:0:08:179:59E:0:09, h531km, mb4.0/14, Error ellipse: s-maj=11.2km s-min=10.2km az=150.0

ISC 03 02:06:26.0-1.9, 24:48S:179:63E, h526km, 20km, mb3.5/15, ms1.3, 7.716, mb1mx3.4/48, mbtmp4.4/16, Error ellipse: s-maj=16.7km s-min=13.4km az=179.0

ISC 03 02:06:26.3-0.6, 24:70S:0:09:179:68E:0:10, h531km, n36, az=115/40, mb4.0/14, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBEJ Beja, PMSG Messejana, EGRO El Granado, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EADA comp=N,0.4nm,0.1s,SNR=7.9, EADA Adamuz, EADA comp=N,0.4nm,0.1s,SNR=7.9, etc.

ISC 03 02:10:14.7, 1.3, 12:03S:166:16E, h0km, mb4.1/6, mb1.4/17, mb1mx3.7/57, mbtmp4.0/7, ML3.8/1, MS3.4/2, MS1.3/42, ms1mx2.9/42, Error ellipse: s-maj=47.4km s-min=28.8km az=99.0

ISC/JB 03 02:10:17.9-1.0, 12:22S:0:10:166:1E:0:2, h30km, mb4.0/6, MS3.9/1, Error ellipse: s-maj=30.1km s-min=13.7km az=173.7

ISC 03 02:10:19.3-1.2, 12:1S:0:1:166:2E:0:3, h30km, n9, az=152/8, mb3.9/6, 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 comp=N,0.3s,ba=292,slow=19,SNR=1.5, WRA Warrungarra Arr, etc.

ISC 03 02:10:42.7-0.7, 3:27N:92:80E, h0km, mb4.2/22, mb1.4/325, mb1mx4.0/71, mbtmp4.2/25, ML4.0/3, MS3.9/15, MS1.3/9/15, ms1mx3.5/62, Error ellipse: s-maj=25.1km s-min=13.9km az=38.0

DJA 03 02:10:43.4-2.3, 3:14N:92:80E, h10km, M5.2/5, mb4.8/1, mb5.3/3, MLV5.2/5, MW(MB)4.1/1, NEIC 03 02:10:44.6-4.6, 3:31N:92:98E, h13km, 28km, mb4.8/22, Error ellipse: s-maj=10.6km s-min=5.5km az=54.0

BUI 03 02:10:44.0-0.3, 30N:93:00E, h15km, mb4.5/9, mb4.7/7, Ms4.1/3, Mst 3.9/3

ISC/JB 03 02:10:45.8-0.3, 3:25N:0:04:92:97E:0:03, h33km, mb4.4/47, MS3.9/14, Error ellipse: s-maj=6.3km s-min=3.7km az=36.4

ISC 03 02:10:47.4-0.4, 3:24N:0:07:92:97E:0:05, h35km, n157, az=173/137, mb4.5/51, MS4.0/14, 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 SNSI Sinabang, LHM Kotacane, GSI Gunungsitoli, etc.

Table with columns: SMRI, Semarang, 2021 120 eP, P, 02 15 18.8 -0.7, etc. Lists various seismic stations and their parameters.

Table with columns: BUR08, Bucoovina Ar. S, 72.74 319 eP, P, 02 22 13.2 +1.0, etc. Lists seismic stations in the Bucoovina region.

Table with columns: MSLSI, Meulaboh, Aceh, 3.17 78 P, P, 02 28 15.1 -2.6, etc. Lists seismic stations in the Meulaboh region.

IDC 03 02:27:50.2, 3.4, 3.7, 3N, 37E, h0km, mb3.8/3, mb1 3.9/6, mb1mx3.7/0, mbtmp3.9/6, ML3.8/3, Error ellipse: s-maj=72.8km s-min=27.5km az=22.0, DJA 03 02:27:45.8, 1.0, 1.4, N4.9, 9.5E, h10km, M4.3/6, mb4.7/2, ML4.0/2

IDC 03 02:31:03.0, 8.0, 5.3, 34.94N, 139.70E, h94km, 4km, mb4.9/59, mb1 4.9/62, mb1mx4.9/74, mbtmp5.2/62, MS3.9/44, M5.1 3.9/44, ms1mx3.8/63, Error ellipse: s-maj=7.5km s-min=2.4km az=76.0, NEIC 03 02:31:03.0, 1.0, 1.3, 34.93N, 139.74E, mb5.3/296, Error ellipse: s-maj=2.7km s-min=1.9km az=156.0, NEIC Felt (VI) at Saitama, Tokyo, Yokohama and Yokusuka. Felt widely in southeastern Honshu. Recorded [4 JMA] in Chiba, Kanagawa and Shizuoka.

GCMT 03 02:31:03.1_0.2_34.199N;139.89E,h2km;2km, MW5.1/105, Moment Tensor Solution... s57 c78; s105,c180; Duration: 0 Moment tensor: Scale 1016Nm; Mn:1.73e-17; Mw:3.66e-15; Ms:5.39e-15; Mo:0.00e+10; Mw:1.58e-15; Mr:3.94e-09; Best double couple; Ms:8.2900e+16 NP1:0.208.00000, delta.00000, lambda.00000, NP2:0.302.00000, delta.00000, lambda.00000; Principal axes: T 4.3260, P1g31.0000, Azm157.0000; N 3.0040, P1g50.0000, Azm23.0000; P -7.3310, P1g23.0000, Azm262.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ISC 03 02:31:02.9_0.3_34.366N;139.91E,0.03,h8km;2km, h8km;P-P,1399,1139,1543,m5.3/470,69C-49D, Near south coast of eastern Honshu

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

Table with columns: CN2, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

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

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

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

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

Table with columns: ITM, COWI, MSEY, J37A, H39A, I38A, G40A, G40A, CBK5, K36A, E42A, PYL, PYL, F41A, F41A, L36A, K37A, SENIN, TBI, TBI, H40A, J38A, I39A, I39A, G41A, E43A, E43A, F42A, AQU, AQU, AQU, AQU, M36A, L37A, E44A, E44A, H41A, H41A, G42A, G42A, J39A, K38A, F43A, I40A, F44A, F44A, I41A, I41A, N36A, G43A, G43A, L38A, M37A, MATO, SCIA, K39A, J40A, E45A, TIP, H42A, H42A, KSU1, KSU1, MNTX, MNTX, N37A, N37A, M38A, K40A, J41A, L39A, MSTX, MSTX, BNI, AMTX, AMTX, I42A, I42A, I42A, I42A, I42A, H43A, H43A, JFWS, JFWS, JFWS, JFWS

Table with columns: F46A, N38A, M39A, I43A, O37A, J42A, L40A, L40A, K41A, CHGQ, J43A, N39A, N39A, K42A, P37A, L41A, M40A, O38A, P38A, P38A, N40A, O39A, L42A, L42A, Q37A, BELO, K43A, M41A, L43A, LP1G, M42A, Q38A, O40A, P39B, N41A, N41A, WMOK, WMOK, WMOK, Q39A, L44A, N42A, P40A, P40A, M43A, R38A, SLBS, O41A, VAE, N43A, P41A, Q40A, R39A, S38A, M44A, M44A, KLBO, HDIL, HDIL, TX31, TXAR, TXAR, TXAR, BUKO, T38A, TUL1, TUL1, S39A, BMRO, O43A, P42A, P42A, R40A, R40A, O41A, ABTX, ABTX, N44A, HP1G, BASO, N45A, BWLO, T39A, CLWO

Table with columns: Q42A, M46A, S40A, O44A, R41A, PEMO, HHAR, N46A, O45A, CCM, CCM, CCM, T40A, R42A, BANO, Q43A, U39A, AQM, TRQ, SFIN, P44A, ELFO, PLVO, V39A, Q44A, S42A, U40A, R43A, T41A, ORIO, P45A, ALFO, O47A, P46A, JCT, JCT, JCT, W39A, W39A, T42A, T42A, Q45A, V40A, R44A, U41A, S43A, OLIL, WHTX, Q46A, X39A, W40A, T43A, V41A, S44A, P47A, R45A, U42A, PBMO, MIAR, MIAR, MIAR, WHAR, LONY, N50A, S45A, V42A, Q47A, W41B, R46A, ERPA, X40A, A35B, O50A, Y00A, S46A, R47A, ACSO, WCI, WCI, WCI, P50A, R48A

2012 JUL

Table with columns: ID, Name, Time, Az, El, Azimuth, Elevation, Azimuth, Elevation, Azimuth, Elevation. Includes stations like M54A Oil Creek Stat, Y41A Eagletree Beard, T46A Princen, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes sections for JMA 03:02:32:55.3,7,10N, MEX 03:02:36:23.6,0.3, and Honshu.

Table with columns: Name, Time, Az, El, Azimuth, Elevation, Azimuth, Elevation. Includes stations like PMG 32n,0.3s, PMG Port Moresby, JAY Jayapura, etc.

az=31.0,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include SFK, MNAS, KK31, AAK, etc.

ISCJB 03 03:14:20.1±0.5, 50°11'N, 0°03'18.38E, h0km, Error ellipse: s-maj=4.3km s-min=2.5km az=18.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include RAC, OKC, MORC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include OJC, KRALIK, LANS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include NIE, DPC, DPC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include KSP, VYHS, VYHS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include CRVS, GOPC, GOPC, etc.

NIED 03 03:31:00, 38°40'N, 142°10'E, h5km, Mw3.4 Best double couple: M1=41000, M2=1014, NP1=290,0000, 865,00000, 1-180,00000, NP2=200,00000, 890,00000, 1-25,00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include JIO, OFUJ, OFUJ, etc.

ICD 03 03:43:20.0±1.5, 119°N, 125°67E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.4/57, mbtmp3.7/5, Error ellipse: s-maj=174.5km s-min=19.1km az=64.0, Northern

Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include WRA, ASAR, STKA, MKAR, KURBB, etc.

ICD 03 03:46:49.5±2.1, 9.21S, 113°33E, h0km, mb3.8/4, mb1 3.9/5, mb1mx3.5/58, mbtmp3.9/5, MS4.6/1, Ms1 4.6/1, ms1mx2.8/54, Error ellipse: s-maj=158.2km s-min=22.8km az=49.0

ISCJB 03 03:46:53.2±1.0, 9.81S, 0°06'11.293E, h0.09, h33km, mb3.8/4, MS4.5/1, Error ellipse: s-maj=12.7km s-min=8.6km az=0.2

DJA 03 03:46:54.5±0.6, 10°S, 5°11'3E, h10km, M3.7/9, MLV3.7/9

ICD 03 03:46:53.9±1.1, 9.77S, 0°08'11.922E, h0.08, h35km, n12, s146/13, mb3.8/4, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include GMJI, GMJI, JAGI, etc.

ISCJB 03 03:49:31.5±1.0, 10°80'S, 0°03'163.29E, 0.02, h89km, gkm, mb5.5/348, Error ellipse: s-maj=4.4km s-min=3.6km az=173.2

BUJ 03 03:49:32.8, 10°37'S, 163°48E, h92km, mb5.4/78, mb5.4/57, NEIC 03 03:49:33.0±0.0, 10°76'S, 163°21E, h100km, Moment Tensor Solution. s31 Moment tensor: Scale 1017Nm;

Mn:2.00; Mm:0.05; M0:2.06; Mm:0.22; Mm:0.52; Mm:0.64; Best double couple: M0=2.00000, 1017 NP1=165,00000, 836,00000, 854,00000, 888,00000. NP2=349,00000, 836,00000, 193,00000. Principal axes: T=2.1100, Plg8.0000, Azm166.0000; P=2.2800, Plg8.0000, Azm256.0000; NEIC 03 03:49:33.0±0.0, 10°82'S, 163°33E, h92km, mb5.6/293, mb5.6/293, MW5.5, Mw5.5, Error ellipse: s-maj=3.4km s-min=2.9km az=141.0, Moment Tensor Solution. s34 Moment tensor: Scale 1017Nm; Mm:2.54; Mm:0.49; Mm:2.05; Mm:0.41; Mm:0.86; Mm:0.53; Best double couple: M0=2.60000, 1017 NP1=153,00000, 852,00000, 86,00000. NP2=339,00000, 838,00000, 95,00000. Principal axes: T=2.6300, Plg8.0000, Azm42.0000; N=0.1200, Plg3.0000, Azm155.0000; P=2.5100, Plg7.0000, Azm246.0000; Broadband fault plane solution: P waves. NP1=345,00000, 830,00000, 190,00000. NP2=165,00000, 860,00000, 190,00000. Principal axes: T=Plg75.0000, Azm0.0000; N=Plg0.0000, Azm0.0000; P=Plg15.0000, Azm255.0000; Depth from synthetic of broadband displacement seismograms. Energy computed from BB mechanism.

MOS 03 03:49:33.1±1.0, 10°64'S, 163°32E, h97km, mb5.6/60, MS4.4/10 Error ellipse: s-maj=7.4km s-min=6.3km az=87.5

GCMT 03 03:49:33.0±0.1, 10°86'S, 163°41E, h111km, MW5.5/125, Moment Tensor Solution. s125,c209; s121,c252; Duration: 1s4 Moment tensor: Scale 1017Nm; Mm:2.29; Mm:0.20; Mm:2.49; Mm:0.27; Mm:0.03; Mm:0.62; Mm:0.70; Mm:0.3; Best double couple: M0=2.7000, 1017 NP1=164,00000, 833,00000, 187,00000. NP2=350,00000, 837,00000, 95,00000. Principal axes: T=2.4050, Plg81.0000, Azm58.0000; N=0.3420, Plg3.0000, Azm166.0000; P=2.7470, Plg8.0000, Azm257.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

ICD 03 03:49:34.5±1.4, 10°85'S, 163°39E, h107km, 12km, mb5.0/36, mb1 5.0/40, mb1mx5.0/53, mbtmp5.3/40, MS4.3/27, Ms1 4.3/27, ms1mx4.2/40 Error ellipse: s-maj=9.5km s-min=8.0km az=82.0

ISC 03 03:49:33.5±0.3, 10°84'S, 0°03'163.41E, 0.04, h98km, 2km, h98km, p-P, n1076, s130/1153, mb5.5/341, 46C-22D, Goupienville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include HNR, HNR, HNR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include PMG, PMG, PMG, etc.

ICD 03 03:43:20.0±1.5, 119°N, 125°67E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.4/57, mbtmp3.7/5, Error ellipse: s-maj=174.5km s-min=19.1km az=64.0, Northern

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include COEN, RMQ, ARMA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include QLP, JAY, AFI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include MGS, QICD, OUZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include H1S2, H1S3, H1S1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include WRAB, WRAB, WB2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include WRA, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include URZ, URZ, WAKE, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include KDU, BKZ, H1N1, etc.

3d 3h

2012 JUL

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CBIJ Chichi jima, MBWA Marble Bar, PPT2 Papeete, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like NJ2, YSS, QIZ, USA0B, WHN, DL2, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CASY Casey, KLR Kuldur, NONG Nongkai, GYA Guiyang, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Darwin (Calif), Enunclaw, Big Bear Solar, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Newport, Newport, Little Creek M, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Paradox Valley, Grant Village, Paradox Valley, etc.

2012 JUL

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GSPA, ZALV, ZAA1, etc.

NIED 03 04:22:00, 38.00N:141.90E, h47km, Mw4.4 Best double
Code: Mo4.4000x1015 NP1:0s174.00000, 825.00000,
lambda:126.00000, NP2:0s315.00000, 870.00000, lambda:75.00000,
BUJ 03 04:22:14.3, 37.85N:142.21E, h50km, mb4.6/31, mb4.8/15,

JTM			S	Sn	04 53 19.0 -0.1	
JNBK	Urakawa-nobuka	1.02 34	eP	Pn	04 53 06.6 -0.7	
JNBK			eS	Pn	04 53 21.3 +0.7	
JEM	Erimo	1.05 56	P	Pn	04 53 07.7 -0.1	
JEM			S	Pn	04 53 21.4 0.0	
JNG	Nango	1.12 199	P	Pn	04 53 08.6 -0.2	
JANG			S	Pn	04 53 23.2 0.0	
JSR	Shiruiuchi	1.18 275	P	Pn	04 53 09.3 -0.2	
JSR			S	Pn	04 53 24.9 +0.4	
JNB	Noboribetsu	1.25 326	P	Pn	04 53 09.2 -1.2	
JNB			S	Pn	04 53 24.4 -1.7	
JBT2	Biratori 2	1.37 12	P	Pn	04 53 12.0 -0.1	
JYM2	Yakumo 2	1.38 100	P	Pn	04 53 12.1 -0.2	
JEM	Eniwo	1.45 344	P	Pn	04 53 29.9 +0.4	
JEM			S	Pn	04 53 12.7 -0.5	
JCH	Churui	1.56 41	P	Pn	04 53 30.3 -0.9	
JCH			S	Pn	04 53 15.3 +0.6	
JAH	Hinai	1.62 220	P	Pn	04 53 35.2 +1.5	
JAH			S	Pn	04 53 15.9 +0.5	
JJW	Iwasaki	1.72 241	P	Pn	04 53 36.6 +1.5	
JFR	Furan	1.78 15	P	Pn	04 53 16.8 -0.1	
JFR			S	Pn	04 53 17.3 -0.4	
ASAJ	Asahikawa	2.71 9	P	Pn	04 53 38.7 -0.5	
ASAJ			S	Pn	04 53 30.9 +0.5	
ASAJ			S	Pn	04 54 02.6 +0.6	
ASAJ			LR	LR	04 55 02.6	
GLVR	Golovino	3.48 47	P	Pn	04 53 41.4 +0.5	
GLVR			eS	Pn	04 54 19.9 -0.8	
GLVR			pmax	pmax		
GLVR			pmax	pmax		
GLVR			pmax	pmax		
GLVR			smax	smax		
GLVR			smax	smax		
GRPR	Tuman	3.78 46	P	Pn	04 54 47.7 +0.7	
GRPR			S	Pn	04 53 25.4 -0.8	
GRPR			pmax	pmax		
GRPR			pmax	pmax		
GRPR			smax	smax		
GRPR			smax	smax		
LAGR	Lagunnoye	3.83 46	P	Pn	04 53 46.8 +1.1	
LAGR			S	Pn	04 54 29.8 0.0	
LAGR			pmax	pmax		
LAGR			pmax	pmax		
LAGR			pmax	pmax		
LAGR			smax	smax		
LAGR			smax	smax		
LAGR			smax	smax		
YUK	Yuzh-Kuril'sk	3.86 46	P	Pn	04 53 46.6 +0.5	
YUK			S	Pn	04 54 28.9 -1.2	
YUK			pmax	pmax		
YUK			pmax	pmax		
YUK			smax	smax		
YUK			smax	smax		
SHO	Shikotan	4.32 54	P	Pn	04 53 52.1 -0.3	
SHO			S	Pn	04 54 38.8 -2.7	
SHO			pmax	pmax		
SHO			pmax	pmax		
SHO			pmax	pmax		
SHO			smax	smax		
SHO			smax	smax		
YSS	Yuzh-Sakhalins	5.54 51	eP	Pn	04 54 13.2 +4.1	
YSS			pmax	pmax		
YSS			MLR	MLR		
MAJO	Matsushiro	5.71 212	P	Pn	04 54 13.8 +2.3	
MAT	Matsushiro	5.71 212	P	Pn	04 54 14.1 +2.6	
MAT			S	Pn	04 55 18.3 +2.6	
IMJAR	Matsushiro Arr	5.71 212	P	Pn	04 54 13.4 +1.8	
IMJAR			LR	LR	04 56 46.5	
KUR	Kuril'sk	5.72 47	eP	Pn	04 54 13.5 +1.8	
KUR			eS	Pn	04 55 16.2 +0.2	
KUR			pmax	pmax		
KUR			pmax	pmax		
KUR			smax	smax		
KUR			smax	smax		
USRK	Ussuriysk Ar	7.85 294	P	Pn	04 54 43.7 +2.9	
USRK			LR	LR	04 57 40.5	
JHJ	Hachijo jima 2	8.49 193	P	Pn	04 54 49.1 -0.6	
JHJ			S	Pn	04 56 19.0 -5.0	
KLR	Kul'dur	10.60 321	P	Pn	04 55 20.1 +1.7	
KLR			LR	LR	04 59 18.2	
KLR			LR	LR	04 59 18.2	
KLR			Pn	Pn	04 55 19.0 +0.6	
KSRS	Korea Array	11.58 254	P	Pn	04 55 36.8 +5.0	
KSRS			S	Pn	04 57 45.8 +6.3	
KSRS			LR	LR	04 59 27.0	
JNU	Nakatsue	12.12 320	P	LR	05 00 06.5	
PETK	Petrovavovsk	15.77 37	P	Pn	04 56 26.7 -1.1	
ZEA	Zeya	15.77 326	eP	Pn	04 56 33.0 +2.2	
ZEA			pmax	pmax		
JOW	Kunigami	18.43 222	P	LR	05 04 23.2	
SEY	Seymchan	22.39 13	P	Pn	04 57 41.0 -1.9	
SEY			S	Pn	04 57 53.0 +1.0	
SOMN	Songino Array	25.95 296	P	Pn	04 58 17.1 +0.3	
GUMO	Guam	27.86 174	P	LR	05 04 23.7	
H1N2	WAKE ISLAND Hy 30 27 128 T			T	05 30 49.1	
H1N1	WAKE ISLAND Hy 30 29 128 T			T	05 30 59.8	
H1N3	WAKE ISLAND Hy 30 29 128 T			T	05 30 42.0	
H1S1	WAKE ISLAND Hy 31 12 130 T			T	05 32 21.5	
H1S3	WAKE ISLAND Hy 31 12 130 T			T	05 32 21.5	
H1S2	WAKE ISLAND Hy 31 13 130 T			T	05 32 23.6	
ZALV	Zalesovo Beam	39.40 309	P	Pn	05 00 13.2 -0.4	
MKAR	Makanochi Array	42.29 298	P	Pn	05 00 37.0 -0.6	
KURK	Kurchatov	43.68 305	P	Pn	05 00 48.6 -0.1	
KURK			pmax	pmax		
KURB	Kurchatov Arra	43.75 305	P	P	05 00 48.6 -0.7	

ILVAR	Eielson Array	45.58 35	P	Pn	05 01 04.2 +0.5	
ILVAR			S	Pn	05 01 22.8 -0.2	
INK	Inuvik	50.29 29	P	P	05 01 40.6 +0.6	
RES	Resolute Bay	58.23 15	P	P	05 02 37.1 -0.5	
YKA	Yellowknife Arr	59.80 32	P	P	05 02 48.8 +0.2	
WRA	Warramunga Arr	61.48 188	P	P	05 02 59.5 -1.0	
FINES	FINES Array B	64.14 332	P	P	05 03 23.1 -1.1	
ASAR	Alice Springs	65.21 188	P	P	05 03 24.9 -0.2	
HFS	Hagfors	70.27 335	P	P	05 03 55.9 -0.7	
NB2	NORSAR Subarra	70.30 337	P	P	05 03 55.9 -1.0	
AKASO	Malin Array Be	71.10 322	P	P	05 04 01.1 -0.7	
NVAR	Mina Array Bea	72.03 54	P	P	05 04 08.9 +1.0	
FRB	Frobisher Bay	72.99 14	P	P	05 04 09.0 -0.3	
FRB			PcP	P	05 04 25.6 -1.4	
PDAR	Pinedale Array	74.29 47	P	P	05 04 21.4 +0.2	
PDAR			pp	P	05 04 38.2 +2.2	
BRTR	Keskin Array B	76.28 311	P	P	05 04 32.6 +0.1	
ANMO	Albuquerque	81.43 51	P	P	05 05 01.5 +0.6	
TXAR	Lajitas Array	87.09 53	P	P	05 05 29.6 0.0	
TXAR			sP	P	05 05 48.3 -2.4	
SNA4	Sanae	145.07 199	PKPbc	PKPab	05 12 18.5 -0.7	
PMSA	Palmer Station	152.28 156	PKPbc	PKPbc	05 12 35.5 -2.5	

PDG 03 05:03:38.4, 0.3, 33.86N; 15.48E, h5km, 1km, ML5.0/11, Error ellipse: s-maj=10.8km s-min=3.9km az=90.0
 BUJ 03 05:03:38.8, 34.13N; 14.14E, h10km, mb4.7/23, mb4.9/12, Ms4.7/3, Ms7.4/4.2
 IDC 03 05:03:40.8, 0.5, 33.98N; 14.72E, h0km, mb4.2/23, mb1.4/3, mb1mx4.2/70, mbtmp4.2/36, ML4.1/12, MS3.7/30, Ms1.3/70, ms1mx3.5/69, Error ellipse: s-maj=13.9km s-min=1.1km az=141.0
 TUN 03 05:03:40.8, 34.39N; 14.05E, h2km, MD5.5
 GCMT 03 05:03:40.7, 0.5, 33.91N; 14.71E, h14km, 3km, MW4.8/60, Moment Tensor Solution, s16.c18; s60.c91; Duration: 0.50nt; Moment tensor: Scale 10¹⁶Nm; Mr0.29; 12; Mw0.39; 28; Best double couple: Mo-1.71000x10¹⁶ NP1=230.00000°, Azm5.00000°, A-170.00000°. NP2: 0=140.00000°, Azm5.00000°, A-5.00000°. Principal axes: T 1.5310, Plg3.0000°, Azm5.00000°, N 0.3540, Plg79.00000°, Azm27.00000°, P -1.8900, Plg10.00000°, Azm95.00000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
 ISCJBJ 03 05:03:40.6, 0.2, 34.14N; 0.02-14.69E, 0.02, h10km, mb4.6/1, MS3.7/25. Error ellipse: s-maj=3.4km s-min=1.9km az=167.1
 NEIC 03 05:03:40.6, 1.5, 34.00N; 14.67E, h1km, 9km, mb4.5/30, Error ellipse: s-maj=4.9km s-min=3.0km az=176.0
 NEIC Felt at Valletta, Malta.
 CSEMG 03 05:03:42.2, 0.1, 34.10N; 14.68E, h10km, mb4.5/36, Error ellipse: s-maj=4.4km s-min=2.5km az=161.0
 CRAAG 03 05:03:43.4, 3.9, 34.06N; 14.71E, Mb4.7
 MOS 03 05:03:45.8, 1.2, 34.29N; 14.78E, h32km, mb4.5/34, Error ellipse: s-maj=6.0km s-min=3.3km az=68.5
 ISC 03 05:03:42.4, 0.4, 34.05N; 0.05-14.58E-0.03, h10km, n611, c1876/648, mb4.5/65, MS3.6/26, 29C-34D, Central Mediterranean Sea

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
VAE	Valguarnera	4.43	357	Pn	05 04 37.0 +1.1	
VAE				Sn	05 05 19.0 +2.2	
VAE				LR	05 06 23.5	
CLTB	Catlabellotta	3.72	342	ePn	05 04 39.5 -0.4	
CLTB				eSn	05 05 23.7 -0.2	
CLTB	Catlabellotta	3.72	342	ePn	05 04 39.5 -0.4	
CLTB				eSn	05 05 23.7 -0.2	
TATN	Tataouine	3.77	248	iP	05 04 38.6 -1.9	
BTHJ	Jabal bu Thady	3.78	288	iP	05 04 39.6 -1.1	
MBZ	Menzel Bouzelif	4.20	319	iP	05 04 48.1 -0.6	
MBZ	Menzel Bouzelif	4.20	319	iP	05 04 48.1 -0.6	
CEL	Celeste	4.32	13	ePn	05 04 48.3 +0.1	
CEL				eSn	05 05 37.6 -1.0	
CEL	Celeste	4.32	13	ePn	05 04 48.3 +0.1	
CEL				eSn	05 05 37.6 -1.0	
ZGNH	Zaghouan	4.41	303	iP	05 04 48.4 -0.9	
ZGN	Zaghouan	4.41	303	iP	05 04 48.4 -0.9	
TROT	Trozza	4.44	291	iP	05 04 46.0 -3.9	
KEST	Kesra	4.69	293	Pn	05 04 52.8 -0.5	
KEST				Sn	05 05 46.1 -1.7	
KEST				LR	05 07 20.7	
KEST				LR	05 07 20.7	
KEST				Pn	05 04 52.8 -0.5	
KEST				Pn	05 05 44.8 -3.0	
KEST				Pn	05 04 52.8 -0.5	
KEST				Pn	05 05 44.8 -3.0	
BERT	Berdal	4.90	274	iP	05 04 51.5 -1.9	
SYA	Sida Yaiche	4.70	280	iP	05 04 54.2 -1.9	
KCHT	Khechabta	4.92	210	iP	05 04 48.1 -0.6	
KRIT	Khala	5.12	288	iP	05 04 58.8 -0.4	
THTN	Thala	5.15	289	ePn	05 04 59.6 -0.0	
THTN				eSn	05 05 51.2 -8.1	
THTN	Thala	5.15	289	iP	05 04 59.6 -0.0	
THTN				eSn	05 05 51.2 -8.1	
OAR	Oum El Arais	5.22	277	iP	05 05 09.9 -0.6	
TIP	Timpagrande	5.39	18	Pn	05 05 02.6 -0.3	
TIP	Timpagrande	5.39	18	Pn	05 05 02.7 -0.3	
TIP	Timpagrande	5.39	18	ePn	05 05 02.6 -0.3	
TAMR	Tamra	5.44	305	ePn	05 05 03.5 0.0	
TAMR				eSn	05 05 03.5 0.0	
TAMR	Tamra	5.44	305	ePn	05 05 03.5 0.0	
TAMR				eSn	05 06 01.7 -4.4	
GHAT	Ghardimaou	5.76	297	iP	05 05 06.3 -1.6	
CUC	Castrocuoco	6.01	8	ePn	05 05 11.3 0.0	
CUC	Castrocuoco	6.01	8	ePn	05 05 11.3 0.0	
ABSA	Abdessa	6.30	293	iP	05 05 15.1 -0.3	
ABSA	Djelmat Abdassa	6.30	293	iP	05 05 15.1 -0.3	
VLS	Valsamata	6.32	48	Pn	05 05 13.7 -1.9	
VLS	Valsamata	6.32	48	Pn	05 05 13.7 -1.9	
VLS	Valsamata	6.32	48	Pn	05 05 13.7 -1.9	
VLS	Valsamata	6.32	48	Pn	05 05 13.7 -1.9	
KFL	Anninata	6.40	49	Pn	05 05 15.9 -0.8	
KFL	Anninata	6.40	49	Pn	05 05 15.9 -0.8	
PYL	PYLOS	6.43	62	Pn	05 05 14.3 -2.8	
PYL	PYLOS	6.43	62	Pn	05 05 14.3 -2.8	
PYL	PYLOS	6.43	62	Pn	05 05 14.3 -2.8	
CMAH	Djebel Manchou	6.45	296	Pn	05 05 16.8 -0.8	
CMAH	Dj					

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA, AS31, ASAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 143A, X48A, HP1G, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H11S2, H11S1, H11S3, etc.

SJA 03 05:47:26.5:0.6,27:62S:71.16W,h71km,gM,ML4.7,MW5.2

ISCJBJ 03 05:47:34.0:0.3,28:13S:0:03:70:42W,0:06,h73km,2km,mb4.2/63,Error ellipse: s-maj=8.6km s-min=4.7km az=0.1

NEIC Felt [V] at Caldera, Copiapo and Tierra Amarilla; [IV] at Huasco, La Higuera and Vallenar; [III] at Alto del Carmen, Freina and La Serena; [II] at Pailhuano and Rio Hurtado.

ISC 03 05:47:35.0:0.5,28:08S:70:37W,h67km,4km,ML4.6,mb1.4/217,mb1mx4.0/35,mb2mp4.3/17,MS3.6/10,Ms1.3/6/10,ms1mx3.3/31,Error ellipse: s-maj=19.7km s-min=12.0km az=74.0

ISC 03 05:47:34.7:0.4,28:11S:0:04:70:61W,0:05,h67km,3km,h67km;pp-P,n181/167,mb4.4/63,5C-1D,Central Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VACH, GO03, CPCH, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DBIC, T25A, X16A, etc.

MOS 03 05:51:23.7:0.9,53:96N,169:18E,h9km,mb2.4/14,Error ellipse: s-maj=9.7km s-min=5.3km az=27.1

IDC 03 05:51:25.2:0.9,54:22N,169:16E,h9km,mb3.9/18,mb1.4/0/19,mb1mx2.8/73,mb2mp3.9/19,MS3.4/2,Ms1.3/4/2,ms1mx2.6/89,Error ellipse: s-maj=25.2km s-min=15.2km az=180.0

ISCJBJ 03 05:51:26.1:0.3,53:95N,0:04:168:98E,0:03,h25km,mb3.9/25,MS3.5/2,Error ellipse: s-maj=6.2km s-min=2.7km az=1.1

NEIC 03 05:51:26.9:0.3,54:20N,169:17E,h10km,mb4.0/9,Error ellipse: s-maj=5.7km s-min=4.0km az=177.0

KRSC 03 05:51:27.0:1.1,53:87N,168:39E,h7km,3.4km,ML4.1,ISC 03 05:51:27.0:0.5,53.92N,0:06:169.02E,0:05,h25km,n212,ms1mx2.1/35,mb4.0/25,Komarovskiy Islands region

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

ENAH	eS	Sb	07 18 23.5 +0.3	TYC	Yuchr	1.58 269	↑P	Pn	07 18 22.6 +0.3	baz=245	2.57 220	eP	Pn	07 18 36.5 +0.6	
HWA	Hwalien	eP	07 18 11.9 -0.2	TWH	Lutao	1.59 220	↑P	Pn	07 18 22.0 -0.4	baz=217		eS	Sn	07 19 07.7 +0.8	
ENLB	Shouteng	↑P	07 18 12.3 -0.6	TWH	baz=216			Sn	07 18 40.2 -2.3	baz=217	2.58 233	eP	Pb	07 18 39.9 -1.0	
ENLB	baz=251	S	07 18 23.8 -0.4	LIOB	Emei	1.60 297	↑P	Pb	07 18 23.6 -0.5	baz=245	2.62 67	P	Pn	07 18 38.1 +1.5	
NANB	Nanac	↑P	07 18 12.0 -0.3	LIOB	baz=294			Sn	07 18 42.8 0.0	JIKM	2.62 70	eP	Sb	07 19 10.5 -2.5	
NANB	baz=299	S	07 18 24.2 +0.1	NSTT	Nanjang	1.60 296	↑P	Pb	07 18 23.5 -0.6	JIKM	baz=71	S	Pb	07 18 38.6 -3.0	
ENA	Nanau	P	07 18 12.4 0.0	NSTT	baz=293			Sn	07 18 42.8 -0.2	JMJ	2.62 70	eP	Pn	07 18 37.9 +1.3	
NACB	Ninganchiao	↑P	07 18 12.4 -0.3	NTST	Danshui	1.60 320	eP	Pb	07 18 23.2 -0.9	JMJ	2.70 72	P	Sb	07 19 10.3 -3.2	
NACB	baz=267	S	07 18 24.4 -1.0	TWY	Chenhua	1.61 326	eP	Pn	07 18 22.4 +0.2	JOGS	2.77 257	↑P	Sn	07 18 39.5 +1.8	
NACB	Ninganchiao	ePg	07 18 12.2 -0.9	ELDTW	Lidu	1.62 243	↑P	Pn	07 18 22.4 -0.5	JOGS	baz=253	↑P	Sn	07 19 11.1 +0.0	
NACB	baz=267	eSn	07 18 22.8 -2.6	ELDTW	baz=239			Sn	07 18 41.0 -2.5	WDGT		eS	Sn	07 19 11.2 -0.4	
TWC	Suao	↑P	07 18 12.4 -0.9	NCU	National Centr	1.64 309	eP	Pn	07 18 23.5 +0.4	PHUB	P'eng-hu	2.79 262	↑P	Pn	07 18 39.6 +0.7
TWC	baz=302	S	07 18 24.9 -0.9	NCUH	Zhongli	1.64 309	eP	Pn	07 18 23.1 +0.1	PHUB	baz=274	eS	Sn	07 19 11.6 -0.6	
ESL	Shilin	↑P	07 18 13.8 -1.1	ALS	Alshan	1.68 256	↑P	Pb	07 18 24.6 -1.1	PNG	Penghu	2.80 263	↑P	Pn	07 18 39.6 +0.6
EGS	baz=312	S	07 18 14.9 -0.4	ALS	baz=252			Sn	07 18 44.8 -0.5	PNG	baz=260	eP	Sn	07 19 12.5 0.0	
EGS	EGS	S	07 18 29.0 -0.2	SBCB	Hsinchu	1.69 301	eP	Pn	07 18 23.5 -0.2	VCHM	Oimei	2.98 257	P	Pn	07 18 42.3 +0.8
EGFH	Guangfu	↑P	07 18 14.6 -0.9	SBCB	baz=252			Pn	07 18 23.5 -0.2	VCHM	baz=253	eS	Sn	07 19 15.9 -1.1	
EGFH	baz=252	eS	07 18 28.5 -0.9	WJS	Zhushan	1.70 267	eP	Pb	07 18 25.3 -0.5	VWUC	VWUC	3.04 291	↑P	Pn	07 18 41.9 -0.5
IRIF	Iriomote-Funau	1.12 69	P	JISG	Ishigakijimahi	1.71 67	P	Pn	07 18 23.5 -0.5	MATB	Ma-tsu	3.26 313	eP	Pn	07 18 44.4 -1.0
IRIF	baz=299	S	07 18 32.0 +1.0	HSN	Hsinchu	1.71 301	eP	Pn	07 18 24.4 +0.4	BBP	Basco	3.52 190	↑P	Pn	07 18 47.7 -1.3
HATJ	Hateruma jima	1.12 83	P	NSY	Sanyi	1.73 286	↑P	Pb	07 18 25.9 -0.5	BAPY	Quanzhou	3.77 286	↑P	Sn	07 19 27.7 -2.6
HATJ	baz=299	S	07 18 32.3 +1.2	WNT	Mingjian	1.74 269	eP	Pb	07 18 25.7 -0.7	OZH	comp=N,2jum,13.5s	LR	LR	07 19 30.7 -5.8	
ILA	Ilan	eP	07 18 16.1 0.0	NMLH	Miaoli	1.74 291	eP	Pn	07 18 25.2 +0.6	OZH	comp=E,1jum,14.7s	LR	LR		
NTC	Toucheng	↑P	07 18 16.2 -0.8	TTN	Taitung	1.77 229	eP	Pn	07 18 25.1 +0.3	KNM	Kinmen	3.82 278	eP	Pn	07 18 54.3 +1.2
NTC	baz=322	eS	07 18 30.6 -0.3	TGWBT	Beinan	1.77 232	↑P	Pn	07 18 24.4 -0.5	KNMB	Chin-men Tao	3.87 279	↑P	Pn	07 18 53.2 -0.5
TWE	Neicheng	eP	07 18 16.1 -0.2	TGWBT	baz=220			Sn	07 18 45.9 -1.3	JOW	comp=N,2jum,13.5s	5.90 60	Pn	07 19 20.6 -1.0	
HSGD	Rutsui	↑P	07 18 30.6 -0.6	TGWBT	baz=220			Sn	07 18 45.4 -0.3	JOW	13nm,0.3s, baz=226,slow=11,SNR=18	Pn	Sn	07 20 28.2 -0.8	
HGSD	baz=244	eS	07 18 16.4 -0.2	TGW	Pinglang	1.78 232	eP	Pn	07 18 45.4 -1.9	JOW	5.3nm,0.3s, baz=126,slow=19,SNR=2.3	5.90 60	↑P	Pn	07 19 20.8 -0.8
ENTT	Nioudou	P	07 18 31.6 0.0	TGW	baz=220			Sn	07 18 45.4 -1.9	APYP	Comp=Z,1jum,13.4s	6.17 192	eP	Pn	07 19 26.5 +1.1
ENTT	baz=291	eS	07 18 16.4 -0.7	TGW	baz=220			Sn	07 18 45.4 -1.9	APYP	Comp=Z,1jum,13.4s	6.17 192	eP	Pn	07 20 33.8 -1.9
TWB1	Santiao Chiao	↑P	07 18 31.2 -1.4	TGW	Pinglang	1.78 232	ePn	Pb	07 18 24.4 -0.5	VDO5	Pratas Island	6.30 240	eP	Pn	07 19 29.4 +2.2
TWB1	baz=347	eS	07 18 31.2 -1.4	CHN5	CHNS	1.78 260	↑P	Pn	07 18 26.2 -0.9	ABRA	Dolores	6.49 196	eP	Pn	07 19 30.4 +0.6
NNSB	Datong	↑P	07 18 16.8 -0.4	CHN5	baz=247			Sn	07 18 47.9 +0.5	NJ2	Nanjing	8.73 339	eP	Pn	07 19 57.7 -0.8
NNSB	baz=280	eS	07 18 31.6 -1.1	PTSB	Yuanli	1.79 287	eP	Pb	07 18 26.2 -1.2	NJ2	comp=Z,20nm,0.7s	Smax	Smax	07 21 38.5 -0.2	
NNSH	Datong	↑P	07 18 16.8 -0.4	PTSB	baz=284			Sn	07 18 48.1 +0.5	NJ2	comp=N,70nm,0.9s	Smax	Smax		
NNSH	baz=280	eS	07 18 31.8 -1.0	STYT	Tauyuan	1.84 246	↑P	Pn	07 18 26.6 +0.6	NJ2	comp=E,60nm,0.9s	LR	LR		
NNS	Nan Shan	↑P	07 18 17.0 -0.4	STYT	baz=235			Sn	07 18 48.5 -0.5	NJ2	comp=N,1jum,10.5s	LR	LR		
NNS	baz=281	eS	07 18 31.0 -2.2	WCHH	Zhanghua	1.86 275	eP	Pb	07 18 27.6 -0.9	NJ2	comp=N,1jum,10.5s	LR	LR		
EHY	Hungye	↑P	07 18 16.9 -0.5	WCHH	baz=272			Sb	07 18 51.4 -0.1	NJ2	comp=E,720nm,11.4s	LR	LR		
EHY	baz=246	S	07 18 32.5 -0.9	WGK	Gukeng	1.87 263	eP	Pb	07 18 27.0 +0.8	NJ2	comp=Z,1jum,10.9s	9.85 314	P	Pn	07 20 23.8 +8.0
TIPB	Shuangxi	↑P	07 18 17.4 -0.3	WDLH	Douliu	1.89 263	eP	Pb	07 18 27.8 -1.2	WHN	Wuhan	9.85 314	P	Sn	07 22 11.1 +5.0
TIPB	baz=325	S	07 18 32.9 -0.9	TPUB	Ta-pu	1.90 251	↑P	Pb	07 18 28.1 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
CHGB	Renai	↑P	07 18 18.2 -0.3	TPUB	baz=238			Sn	07 18 51.1 +0.8	WHN	comp=E,1jum,6.9s	LR	LR		
CHGB	baz=262	eS	07 18 34.0 -1.6	TPUB	Ta-pu	1.90 251	ePn	Pb	07 18 28.0 -1.2	WHN	comp=Z,1jum,10.9s	9.85 314	P	Pn	07 20 23.8 +8.0
NWLT	Wulai	↑P	07 18 18.4 -0.5	CHN4	Tsushan	1.92 253	↑P	Pn	07 18 28.4 -1.1	WHN	comp=N,2jum,7.3s	LR	LR		
YULB	Yu-li	↑P	07 18 17.9 -0.5	CHN4	baz=249			Sn	07 18 52.5 -0.7	WHN	comp=E,1jum,6.9s	LR	LR		
YULB	baz=232	eS	07 18 33.4 -1.9	WTP	Ta-pu	1.93 250	↑P	Pb	07 18 28.5 -1.3	WHN	comp=Z,1jum,10.9s	9.85 314	P	Sn	07 22 11.1 +5.0
YULB	Yu-li	ePn	07 18 17.9 -0.5	WTP	baz=237			Sn	07 18 52.6 +1.5	WHN	comp=N,2jum,7.3s	LR	LR		
YULB	baz=232	eSn	07 18 34.4 -1.9	CHN2	Minshiang	1.97 259	eP	Pb	07 18 29.6 -0.8	WHN	comp=N,2jum,7.3s	LR	LR		
TWF1	Yuli	↑P	07 18 18.2 -0.4	CHN2	baz=255			Sb	07 18 54.3 -0.5	WHN	comp=E,1jum,6.9s	LR	LR		
TWF1	baz=240	S	07 18 34.5 -1.3	ECL	Taimali	2.00 229	eP	Pn	07 18 27.3 -0.8	WHN	comp=Z,1jum,10.9s	9.85 314	P	Sn	07 20 23.8 +8.0
YHNB	Yeheng	↑P	07 18 18.7 -0.1	ECL	baz=236			Sn	07 18 49.9 -2.9	WHN	comp=N,2jum,7.3s	LR	LR		
YHNB	baz=269	ePn	07 18 18.8 -0.1	SLGT	Liugui	2.01 243	↑P	Pb	07 18 29.4 -1.7	WHN	comp=N,2jum,7.3s	LR	LR		
TWT	Tachien	eP	07 18 19.0 0.0	SLGT	baz=233			Sn	07 18 54.5 +1.5	WHN	comp=N,2jum,7.3s	LR	LR		
TWT	baz=269	eS	07 18 35.3 -1.0	SGST	Jiashian	2.02 246	P	Pb	07 18 29.8 -1.5	WHN	comp=N,2jum,7.3s	LR	LR		
VWDT	VWDT	↑P	07 18 18.7 -0.1	SGST	baz=234			S	07 18 55.5 -0.8	WHN	comp=N,2jum,7.3s	LR	LR		
VWDT	baz=259	S	07 18 34.9 -1.5	CHY	Chiayi	2.03 258	↑P	Pb	07 18 29.9 -1.4	WHN	comp=N,2jum,7.3s	LR	LR		
JKRS	Kuro-shima	1.34 77	P	CHY	baz=254			Sb	07 18 55.5 -0.9	WHN	comp=N,2jum,7.3s	LR	LR		
JKRS	baz=259	S	07 18 20.3 -0.4	CHN1	Nanshi	2.03 249	↑P	Pb	07 18 30.3 -1.1	WHN	comp=N,2jum,7.3s	LR	LR		
NSK	Sanguang	↑P	07 18 18.9 -0.1	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
TDCB	Techi	↑P	07 18 19.0 -0.1	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
NWF	Wu-fen Shan	↑P	07 18 18.8 -0.3	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
WFSB	Wu-fen Shan	↑P	07 18 18.9 -0.2	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
WFSB	baz=326	eS	07 18 35.5 -1.3	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
FULB	Fuli	↑P	07 18 18.9 -0.8	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
FULB	baz=225	eS	07 18 35.5 -2.3	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
CHKT	Chengkung	↑P	07 18 18.6 -1.1	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
CHKT	baz=220	eS	07 18 34.8 -2.9	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
TATO	Taipei	eP	07 18 20.8 -0.5	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
TATO	baz=332	S	07 18 38.7 -0.3	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
TATO	Taipei	ePn	07 18 20.6 -0.7	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
TAP1	Taipei	eP	07 18 20.5 -0.2	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
TAP1	baz=333	eS	07 18 39.3 -0.2	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
JJJ	Ishigaki jima	1.49 73	P	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
JJJ	baz=299	S	07 18 21.5 -0.7	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
SSLB	Suangleung	↑P	07 18 41.2 -1.7	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
SSLB	baz=262	ePn	07 18 20.9 -0.2	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
SSLB	Suangleung	ePn	07 18 21.0 -0.2	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
YMO7	YMO7	eS	07 18 40.1 -0.4	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
YMO7	baz=324	eS	07 18 21.0 -0.4	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
YMO7	baz=324	eS	07 18 39.3 -1.6	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s	LR	LR		
DPDB	Guoxing	↑P	07 18 21.8 +0.4	CHN1	baz=245			Sb	07 18 55.2 -1.2	WHN	comp=N,2jum,7.3s				

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

ISCJB 03 09:02:18.3.1.1, 38.23N.0107.38.19E.0.03, h0km, Error ellipse: s-maj=9.8km s-min=3.7km az=0.2

CSEM 03 09:02:18.1, 38.23N.38.19E, h7km, ML2.8, Suspected Mining explosion.

DDA 03 09:02:19.1.1.1, 38.36N.005.38.20E.0.02, h0km, n11, <085/22, Turkey

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

ISK 03 09:08:05.0, 38.87N.38.64E, h5km, ML2.4/6

ISCJB 03 09:08:06.0, 4.38.87N.0102.38.66E.0.03, h8km, 5km, Error ellipse: s-maj=4.1km s-min=4.1km az=42.0

CSEM 03 09:08:06.5, 0.2, 38.87N.38.65E, h10km, ML2.9, Error ellipse: s-maj=3.3km s-min=3.1km az=13.0

DDA 03 09:08:06.6, 38.87N.38.64E, h7km, ML2.9

ISC 03 09:08:06.6.1.1, 38.87N.0102.38.65E.0.02, h12km, 10km, n26, <0946/44, Turkey

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

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

MEX 03 09:16:06.5, 0.4, 15.17N.93.09W, h71km, gkm, MD3.8, Near coast of Chiapas

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

NIED 03 09:37:00.25, 25.80N.142.80E, h5km, Mw4.1 Best double couple: M1.59000x1015 NP1.99194.00000, <814.00000, <1.93.00000... NP2.99127.00000, <876.00000, <1.89.00000...

ISCJB 03 09:37:10.4, 0.6, 25.78N.0107.142.4E.0.2, h36km, mb3.9/14, MS3.1/4, Error ellipse: s-maj=24.6km s-min=10.0km az=175.4

IDC 03 09:37:13.9, 2.2, 25.83N.142.42E, h46km, 21km, mb3.6/15, mb1.3, 8/16, mb1mx3, 6/67, mbmp3, 9/16, ML3.5/1, MS3.1/9, M1.3, 1/9, ms13.9, ms12.7, 9/93, Error ellipse: s-maj=29.3km s-min=13.0km az=89.0

ISC 03 09:37:12.1, 0.8, 25.75N.0108.142.5E.0.2, h36km, n27, <1059/18, MB4.0/14, MS3.1/4, Volcano Islands region

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

H1N1 WAKE ISLAND HY 23.31 100 T T 10 06 08.5

H1N3 WAKE ISLAND HY 23.33 100 T T 10 06 05.0

KLR Kul'dur 24.88 343 P P 09 42 32.0 +0.7

SIJI Soron 28.59 204 LR LR 09 59 19.7

WRA Warramunga Arr 46.10 321 P P 09 45 33.5 +0.6

FITZ Fitzroy Crossi 46.55 202 P P 09 45 37.2 +0.8

ASAR Alice Springs 49.82 190 P P 09 46 02.1 +0.5

MKAR Makanchi Array 51.52 310 P P 09 46 14.6 +0.3

KURBS Kurchatov Arra 54.15 315 P P 09 46 32.0 -1.6

STKA Stephens Creek 57.31 181 P P 09 46 57.2 +0.8

ILAR Eielson Array 58.78 28 P P 09 47 05.3 -1.0

BVAR Borovoye Array 59.19 319 LR LR 10 15 01.3

YKA Yel'pukhite Arr 73.27 28 P P 09 48 38.7 -0.3

FINES FINESS Array B 79.25 334 P P 09 49 13.7 +0.3

NVAR Mina Array Bea 81.16 52 P P 09 49 25.0 +0.5

AFSG Hagfors 84.75 337 P P 09 49 41.6 -0.7

CSEM 03 09:44:57.5, 0.1, 47.35N.11.64E, h10km, ML2.8/9, Error ellipse: s-maj=2.9km s-min=2.3km az=165.0

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

ABSI Aberstueckl 0.63 200 P P 09 45 09.3 -1.1

ABSI comp=N, 759µm, 0.3s AML AML 09 45 09.3 -1.1

ABSI comp=N, 479µm, 0.4s AML AML 09 45 09.3 -1.1

ABSI comp=N, 760µm, 0.3s AML AML 09 45 09.3 -1.1

ABSI comp=N, 479µm, 0.4s AML AML 09 45 09.3 -1.1

ABSI comp=N, 17m, 0.1s AML AML 09 45 09.3 -1.1

FETA Feichten 0.68 244 ePg Pg 09 45 09.8 -1.6

FETA comp=N, 8.3m, 0.2s, SNR=27.4 eSg Sg 09 45 09.8 -1.6

FETA Feichten 0.68 244 Pg Pg 09 45 09.8 -1.6

FETA comp=N, 8.3m, 0.2s, SNR=27.4 eSg Sg 09 45 09.8 -1.6

ABTA Abfaltersbach 0.83 133 ePg Pg 09 45 13.8 -0.5

ABTA comp=N, 17m, 0.1s eSg Sg 09 45 13.8 -0.5

ABTA Abfaltersbach 0.83 133 Pg Pg 09 45 13.8 -0.5

ABTA comp=N, 0.9m, 0.1s Sg Sg 09 45 13.8 -0.5

ABTA comp=N, 4.0m, 0.1s, SNR=7.2 Sg Sg 09 45 13.8 -0.5

KOSI Kohlern 0.87 191 P Pg 09 45 24.0 -1.2

KOSI comp=E, 238µm, 0.3s AML AML 09 45 24.0 -1.2

KOSI comp=N, 310µm, 0.5s AML AML 09 45 24.0 -1.2

KOSI comp=E, 238µm, 0.3s AML AML 09 45 24.0 -1.2

KOSI comp=N, 310µm, 0.5s AML AML 09 45 24.0 -1.2

APPI Appiano 0.88 198 P P 09 45 14.0 -1.2

APPI comp=E, 423µm, 0.4s AML AML 09 45 14.0 -1.2

APPI comp=N, 370µm, 0.4s AML AML 09 45 14.0 -1.2

APPI comp=E, 423µm, 0.4s AML AML 09 45 14.0 -1.2

APPI comp=N, 370µm, 0.4s AML AML 09 45 14.0 -1.2

APPI comp=N, 370µm, 0.4s AML AML 09 45 14.0 -1.2

AGOR Agordo 1.08 164 eP Pg 09 45 18.4 -0.4

AGOR comp=E, 175µm, 0.3s AML AML 09 45 18.4 -0.4

AGOR comp=N, 252µm, 0.3s AML AML 09 45 18.4 -0.4

AGOR comp=E, 175µm, 0.3s AML AML 09 45 18.4 -0.4

DAVA Damuels 1.19 269 ePg Pg 09 45 20.3 -0.7

DAVA comp=N, 1.7m, 0.1s, SNR=15 eSg Sg 09 45 20.3 -0.7

DAVA comp=E, 21m, 0.3s Sg Sg 09 45 20.3 -0.7

DAVA Damuels 1.19 269 Pg Pg 09 45 20.3 -0.7

DAVA comp=N, 1.7m, 0.1s, SNR=15 Sg Sg 09 45 20.3 -0.7

DAVA KBA Koelnbreinsper 1.20 101 ePg Pg 09 45 20.9 +0.5

DAVA KBA Koelnbreinsper 1.20 101 ePg Pg 09 45 20.9 +0.5

DAVA KBA Koelnbreinsper 1.20 101 Pg Sg 09 45 20.9 +0.5

3d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MYKA Terra Mystica, MYKA Villanova, GRC2 Grafenberg Arr, etc.

IDC 03 09:47:25.7±1.9, 16.415±178.70W, h0km, mb3.6/5, mb1 3.9/5, mb1mx3.5/5, mbtmp3.6/5, MS2.5/1, Ms1 2.5/1, ms1mx2.2/4, Error ellipse: s-maj=17.0km, s-min=27.0km az=147.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like HNR Honiara, STKA Stephans Creek, WRA Warrungarra Arr, etc.

IDC 03 09:48:42.2±2.5, 24.65N±141.62E, h237km, 76km, mb3.2/5, mb1 3.4/6, mb1mx2.9/6, mbtmp3.8/6, Error ellipse: s-maj=203.7km s-min=15.7km az=74.0, Volcano Islands region

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

ISCJB 03 09:54:20.5±0.6, 2.46N±0.06±95.73E±0.06, h25km, mb3.9/12, MS3.4/1, Error ellipse: s-maj=11.6km s-min=5.3km az=138.0

IDC 03 09:54:24.8±0.2, 4.3N±95.86E, h46km±42km, mb3.6/11, mb1 3.7/13, mb1mx3.5/71, mbtmp3.9/13, ML4.0/2, MS3.3/3, Ms1 3.3/3, ms1mx2.6/66, Error ellipse: s-maj=50.0km s-min=18.2km az=55.0

NEIC 03 09:54:25.7±1.4, 2.50N±95.05E, h53km±11km, mb4.2/2, Error ellipse: s-maj=18.7km s-min=6.2km az=62.0

DJA 03 09:54:27.7±0.4, 3.1N±2.9°E, h10km, M4.3/11, mb4.7/1, MLv4.1/11

ISC 03 09:54:22.0±0.8, 2.42N±0.05±95.90E±0.07, h25km, n51, s174/47, mb4.0/12, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SNSI Sinabang, MSLI Meulaboh, GSI Gunungsitoli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PBSI Pulau Batu, MNSI Mandailing Nat, SISI Saibi, etc.

KRAR 03 10:03:54.7±0.3, 53.57N±87.76E, M2.2, Industrial explosion (after: The Earthquakes of Russia in 2012. Olshansk, GS RAS, 224p, CD-ROM, 2014)

NNC 03 10:03:56.6±2.3, 53.57N±87.67E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=21.4km s-min=9.6km az=46.0, Suspected Mining explosion.

IDC 03 10:03:55.7±3.3, 53.55N±87.78E, h0km, mb1 3.3/1, mb1mx2.8/68, mbtmp3.1/1, ML3.2/1, 4C-5D, Error ellipse: s-maj=29.8km s-min=15.7km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like I46RU ZALEVOO INFRA, ZAAO Zalevo Array, ZAAO 10m,0.3s, etc.

NDI 03 10:28:08.8±5.2, 25.03N±92.02E, h23km, 12km, ML3.1, India-Bangladesh border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SHL Shillong, GUWA GUWAHATI, AGT Agartala, etc.

ISCJB 03 10:28:50.6±0.5, 3.15S±0.05±130.25E±0.05, h25km, mb3.8/4, MS4.1/2, Error ellipse: s-maj=8.2km s-min=5.9km az=32.0

DJA 03 10:28:52.8±2.5, 3°S±5°13'OE±, h29km±27km, M3.9/8, MLv3.9/8
IDC 03 10:28:55.1±3.1, 3°14'S±130°59'E, h53km±34km, mb3.7/5, mb1 3.9/8, mb1mx3.5/55, mbtmp3.9/8, ML3.3/3, MS3.7/3, Ms1 3.7/3, ms1mx3.1/60, Error ellipse: s-maj=43.8km s-min=12.1km az=80.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MSAI Masohi, BNDI Bandanaira, FAKI Fak Fak, etc.

MOS 03 10:36:14.1±1.3, 39.94S±173.69E, h227km, mb5.9/43, Error ellipse: s-maj=9.5km s-min=7.1km az=95.5

WEL 03 10:36:14.2, 40°S±4°17'4E±, h241km, 5km
ISCJB 03 10:36:14.2±0.1, 40.03S±0.02±173.64E±0.02, h230km±1km, mb5.7/207, Error ellipse: s-maj=3.4km s-min=2.3km az=44.4

GCMT 03 10:36:15.5±0.1, 40.05S±173.63E, h230km, MW6.3/147, Moment Tensor Solution, s147, c360, s143, c572, Duration: 3s Moment tensor: Scale: 1018Nm; Mn:0.36±0.1; Mw:0.88±0.2; Ms:1.25±0.2; Mz:2.80±0.1; Mw:0.31±0.2; Mw:2.07±0.1; Best double couple: M:3.666000×1018 Np1:3.128.000000, s87.000000, l:72.000000. NP2:3.30.000000, s18.000000, l:172.000000. Principal axes: T: 3.7380, Plg45.0000, Azm21.0000; N: -0.1480, Plg18.0000, Azm129.0000; P: -3.5940, Plg40.0000, Azm235.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

BUI 03 10:36:15.1, 39.86S±173.74E, h236km, mb5.4/33, mb5.5/8

NEIC 03 10:36:15.5±0.1, 40.02S±173.76E, h230km, mb5.9/90, ME6.0, MW6.3, MW6.3, MW6.3, Moment Tensor Solution, s25 Moment tensor: Scale 1018Nm; Mn:0.08±0.1; Mw:0.55±0.2; Ms:1.08±0.2; Mz:2.12±0.2; Best double couple: M:3.800000×1018 Np1:3.129.000000, s88.000000, l:75.000000. NP2:3.34.000000, s175.000000, l:175.000000. Principal axes: T: 3.7380, Plg45.0000, Azm21.0000; N: -0.1480, Plg18.0000, Azm129.0000; P: -3.5940, Plg40.0000, Azm235.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 03 10:36:16.0±0.0, 40.06S±173.70E, h230km, Moment Tensor Solution, s21 Moment tensor: Scale 1018Nm; Mn:0.29±0.13; Mw:1.42±0.2; Ms:2.85±0.28; Mz:2.12±0.2; Best double couple: M:3.800000×1018 Np1:3.129.000000, s88.000000, l:75.000000. NP2:3.34.000000, s175.000000, l:175.000000. Principal axes: T: 3.7380, Plg45.0000, Azm21.0000; N: -0.1480, Plg18.0000, Azm129.0000; P: -3.5940, Plg40.0000, Azm235.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

IDC 03 10:36:16.0±0.0, 40.04S±173.65E, h240km, mb5.5/35, mb1 5.4/37, mb1mx5.4/40, mbtmp6.0/37, Error ellipse: s-maj=6.9km s-min=5.3km az=47.0

NEIC 03 10:36:47.0±0.0, 39.17S±173.68E, h267km, Moment Tensor Solution, s13 Moment tensor: Scale 1018Nm; Mn:0.34±0.09; Mw:1.27±0.2; Ms:2.18±0.74; Mw:1.55±0.2; Best double couple: M:3.000000×1018 Np1:3.125.000000, s86.000000, l:65.000000. NP2:3.26.000000, s82.000000, l:170.000000. Principal axes: T: 2.8900, Plg43.0000, Azm19.0000; N: -0.2000, Plg25.0000, Azm127.0000; P: -3.1000, Plg36.0000, Azm237.0000.

ISC 03 10:36:15.9±0.2, 40.06S±0.02±173.66E±0.02, h239km±1km, h239km, pP, N1258, s1993/1599, mb5.8/206, 55C-24D, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like NMEZ Namu Road, DUWZ D'Urville Isla, NWEZ Newall Road, etc.

3d 10h

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like Manton Dam, Rikitea, Ballidu, Jayapura, etc.

2012 JUL

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like Pacitan, Ngawi, Wonojiri, Wanaagama, etc.

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Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like Mandailing Nat, Kulawi Batu, Hachiojima 2, etc.

2012 JUL

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like MA2 Magadan, KDAK Kodiak Island, ZEA Zeya, CMIG Matias Romero, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like ECSD EROS Data Cent, G32A Van Buren, PTGA Webster, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like KURBB comp=Z,12m,0.7s, bazz=118,slow=1.7,SNR=4.6, MNAS Manas, etc.

MOD	Modoc Plateau 26nm,0.9s	80.91	40	eP	P	12 18 48.2 +0.8
K05A	Summer Lake 52nm,1.0s	81.04	39	eP	P	12 18 49.3 +1.2
J05D	Fort Rucker OR baz=233,SNR=29	81.18	38	P	P	12 18 49.8 +1.1
SHPR	Sheep Range 2.9nm,0.9s	81.20	46	eP	P	12 18 50.4 +1.4
W13A	Hualapai Mount 5.0nm,1.1s	81.36	48	eP	P	12 18 51.0 +1.1
Y14A	Wickenburg 12nm,1.0s	81.39	50	eP	P	12 18 51.0 +1.1
H04A	Detroit Lake 15nm,0.8s	81.48	37	eP	P	12 18 50.6 +0.6
CN2	Changchun comp=Z,10.0nm,1.1s	81.49	322	eP	P	12 18 50.7 +0.7
CN2					pmx	pmx
CNPM	China Poot 22nm,1.0s	81.60	13	eP	P	12 18 50.0 -0.3
PINE	Pine Mountain 59nm,1.1s	81.65	38	eP	P	12 18 52.4 +1.2
I05D	Terrebonne, OR baz=233,SNR=7.3	81.75	37	P	P	12 18 52.4 +0.9
E03A	Lebam 39nm,0.9s	81.89	34	P	P	12 18 52.8 +0.8
BRLK	Bradley Lake 29nm,0.9s	81.90	13	eP	P	12 18 51.6 -0.2
F04D	Rainier OR baz=231	81.90	35	P	P	12 18 53.0 +0.9
R11A	Troy Canyon, C baz=238,SNR=16	81.90	45	P	P	12 18 53.0 +0.4
R11A	Troy Canyon, C 3.6nm,1.1s	81.90	45	eP	P	12 18 52.9 +0.4
BMN	Battle Mount 33nm,1.1s	81.97	42	eP	P	12 18 53.5 +0.7
SVW2	Sparrevohn 9.8nm,1.0s	82.20	11	eP	P	12 18 52.5 -0.7
TUC	Tucson baz=241	82.22	52	P	P	12 18 55.9 +1.7
TUC	Tucson 52nm,1.1s	82.22	52	eP	P	12 18 56.0 +1.8
WVOR	Wild Horse Val 30nm,1.0s	82.24	40	eP	P	12 18 54.7 +0.7
DIB	Dawson Inlet, 14nm,0.9s	82.24	26	eP	P	12 18 53.0 +0.1
NLWA	Neilton Lookou 18nm,1.1s	82.27	34	eP	P	12 18 53.9 -0.1
G05D	Wamic, OR baz=233	82.31	37	P	P	12 18 55.0 +0.8
I07A	Izee 17nm,0.9s	82.66	38	eP	P	12 18 57.2 +1.0
G06A	Carlson Farm, 20nm,1.1s	82.69	37	eP	P	12 18 56.9 +0.7
MA2	Magadan 9.6nm,0.8s,baz=144,slow=5.3,SNR=5.8	82.75	345	P	P	12 18 55.3 -0.7
X16A	Lo Mia Camp, P 21nm,1.1s	82.76	50	eP	P	12 18 58.4 +1.4
LCMT	Little Creek M 16nm,1.0s	82.78	47	eP	P	12 18 58.0 +1.0
J08A	Circle Bar Ran 32nm,1.1s	82.85	39	eP	P	12 18 58.1 +0.9
UBPT	Khong Chiam 82.87 289 P	82.87	289	P	P	12 18 59.9 +2.2
319A	Douglas 45nm,1.0s	82.91	53	eP	P	12 18 59.9 +1.9
CCUT	Cedar City 15nm,1.0s	82.97	46	eP	P	12 18 59.3 +1.3
KNB	Kanab 16nm,1.0s	83.07	47	eP	P	12 18 59.6 +1.1
D05A	Enumclaw 57nm,1.1s	83.13	35	eP	P	12 18 59.8 +1.5
U15A	North Rim 24nm,0.9s	83.15	48	eP	P	12 19 00.3 +1.3
PSUT	Pine Spring 10nm,1.0s	83.15	45	eP	P	12 18 59.6 +0.7
SZCU	Shurtz Canyon 17nm,1.1s	83.19	46	eP	P	12 19 00.6 +1.5
PGC	Sidney 22nm,0.9s	83.28	33	eP	P	12 18 59.5 +0.5
RC01	Rabbit Creek A 22nm,1.0s	83.34	13	eP	P	12 18 58.7 -0.3
WUAZ	Wupatki baz=241	83.34	49	P	P	12 19 01.0 +1.1
WUAZ	Wupatki 17nm,1.1s	83.34	49	eP	P	12 19 01.4 +1.5
BBB	Bella Bella 11nm,0.8s,baz=283,slow=5.2,SNR=5.9	83.38	28	P	P	12 18 59.7 +0.3
BBB	Bella Bella 27nm,1.1s	83.38	28	eP	P	12 18 59.7 +0.3
ELK	Elko 11nm,0.9s,baz=296,slow=5.3,SNR=36	83.40	43	P	P	12 19 01.6 +1.4
SUA	Susitna One 31nm,0.7s	83.46	13	eP	P	12 19 01.2 -0.6
G08A	Pilot Rock 25nm,1.1s	83.68	37	eP	P	12 19 01.4 +0.1
A04D	Lummi Island baz=231	83.71	33	P	P	12 19 01.9 +0.8
B05A	Bryant baz=232	83.74	34	P	P	12 19 02.1 +0.8
HPIG		83.77	59	eP	P	12 19 02.4 +0.2
SKT	Skwentna 11nm,1.0s	83.77	12	eP	P	12 18 59.3 -1.9
X18A	Snowflake 7.9nm,0.9s	83.89	50	eP	P	12 19 03.9 +1.3
PMR	Palmer 12nm,0.7s	83.92	13	eP	P	12 19 01.2 -0.6
RAGM	Ragged Mountai 16nm,1.2s	83.93	16	eP	P	12 19 01.7 -0.3
HAWA	Hamford 20nm,1.1s	84.00	36	eP	P	12 19 03.2 +0.6
MTPU	Mount Pierson 13nm,1.1s	84.03	46	eP	P	12 19 04.8 +1.3
GHO	Glory Hole Cre 48nm,0.7s	84.13	13	eP	P	12 19 02.7 -0.3
MSU	Marysvalle 84.27 46 P	84.27	46	P	P	12 19 05.4 +0.9
SML	Sawmill 9.3nm,0.8s	84.29	14	eP	P	12 19 03.4 -0.3
DIV	Divide 30nm,0.8s	84.29	15	eP	P	12 19 03.4 -0.4
W18A	Petrified Fore baz=242	84.33	50	P	P	12 19 05.6 +0.9
BMO	Blue Mountains 7.8nm,0.9s	84.39	39	eP	P	12 19 05.2 +0.5
BMRM	Bremner River 28nm,0.8s	84.45	16	eP	P	12 19 04.2 -0.3
MFID	Camas Ranch 12nm,1.0s	84.48	40	eP	P	12 19 05.9 +0.7
SCM	Sheep Creek Mo 43nm,0.8s	84.54	14	eP	P	12 19 04.7 -0.3
121A	Cookes Peak, D baz=243	84.57	53	P	P	12 19 07.6 +1.6
KLU	Klutina 12nm,1.0s	84.57	15	eP	P	12 19 05.1 -0.1
WRAK	Wrangell Islan 84.67 23 P	84.67	23	P	P	12 19 06.5 +0.9
DUG	Dugway, Tooele baz=252	84.69	44	P	P	12 19 06.9 +0.5
TGL	Tana Glacier 26nm,1.1s	84.73	16	eP	P	12 19 05.9 +0.1
D08A	Wollman Farm, 19nm,1.0s	84.73	36	eP	P	12 19 06.5 +0.3
SKNT	Sakolnajok 84.83 290 P	84.83	290	P	P	12 19 08.9 +1.6
CAST	Castle Rocks 28nm,0.8s	84.98	11	eP	P	12 19 05.5 -1.6
F10A	Beach Ranch, E 2.7nm,0.9s	85.07	38	eP	P	12 19 08.2 +0.2
Q16A	Castle Valley 6.6nm,1.1s	85.15	46	eP	P	12 19 09.6 +0.9
L08A	Colville Reser 19nm,0.9s	85.27	35	eP	P	12 19 08.7 -0.1
BBB	Lillooet 8.7nm,0.8s	85.31	32	eP	P	12 19 09.3 +0.4
TMUT	Trou Mountain 7.8nm,0.8s	85.31	46	eP	P	12 19 10.7 +1.1
SEY	Seymour 21nm,0.9s,baz=144,slow=5.3,SNR=19	85.32	347	P	P	12 19 08.1 -0.6
JIS	Juneau Island 6.1nm,0.8s	85.32	21	eP	P	12 19 09.2 +0.4
TRF	Thorofore Moun 9nm,0.8s	85.35	12	eP	P	12 19 07.8 -1.2
HLID	Hailey baz=238	85.43	41	P	P	12 19 10.8 +0.9
HLID	Hailey 9.4nm,0.9s	85.43	41	eP	P	12 19 10.8 +0.9
SRU	San Rafael Swe 7.6nm,0.8s	85.69	46	eP	P	12 19 11.9 +0.7
BPWA	Bear Paw Mtn. 3.4nm,0.8s	85.80	11	eP	P	12 19 09.5 -1.5
MCK	McKinley 39nm,1.1s	85.87	12	eP	P	12 19 10.8 -0.5

MNTX	Cornudas Mount baz=245	86.03	55	P	P	12 19 14.1 +1.3
MNTX	Cornudas Mount 17nm,0.9s	86.03	55	eP	P	12 19 14.0 +1.2
TCUT	Toone Canyon 11nm,0.8s	86.08	44	eP	P	12 19 14.3 +1.1
P18A	Preston Nutter 4.6nm,0.8s	86.12	46	eP	P	12 19 13.9 +0.5
BWN	Browne 48nm,1.1s	86.16	12	eP	P	12 19 12.2 -0.5
GYA	Guyang 86.19 300 eP	86.19	300	eP	P	12 19 14.2 +0.4
GYA				pp	pp	12 21 13.0 -0.4
GYA				sp	sp	12 22 07.9 -1.7
GYA				pp	pp	12 22 47.8 +2.8
GYA				SKS	SKS	12 28 47.0 -1.0
GYA				S	S	12 29 03.9 +0.5
GYA				pmx	pmx	
MVCO	Mesa Verde baz=242	86.19	49	P	P	12 19 14.0 +0.3
PV19	Morning Glory 8.6nm,1.0s	86.36	47	eP	P	12 19 15.4 +0.9
PV14	Lion Creek, Pa 11nm,1.0s	86.36	47	eP	P	12 19 15.0 +0.5
PV17	East Wray Mesa 7.1nm,1.1s	86.36	47	eP	P	12 19 15.2 +0.7
TX31	Lajitas Ar. Si 86.38 57 P	86.38	57	P	P	12 19 16.3 +1.6
LTX	Lajitas 86.38 57 P	86.38	57	P	P	12 19 14.3 -0.4
TXAR	Lajitas Array 10nm,0.8s,baz=218,slow=6.4,SNR=115	86.38	57	P	P	12 19 14.3 -0.4
PV13	Radium Mtn., P 5.9nm,1.1s	86.41	48	eP	P	12 19 15.1 +0.3
PV16	Nyswonger Mesa 5.5nm,1.1s	86.41	47	eP	P	12 19 15.3 +0.5
PV23	Carpenter Ridg 11nm,0.9s	86.41	47	eP	P	12 19 15.8 +0.9
NEW	Newport 2.9nm,0.7s,baz=191,slow=7.4,SNR=3.7	86.42	36	P	P	12 19 14.0 -0.3
NEW	Newport baz=236	86.42	36	P	P	12 19 14.4 +0.1
PV11	David Mesa, Pa 9.5nm,1.0s	86.43	47	eP	P	12 19 15.8 +1.0
PV02	Paradox Valley 5.7nm,1.1s	86.48	48	eP	P	12 19 15.9 +0.8
PV21	Cone Mtn., Par 8.3nm,1.0s	86.49	47	eP	P	12 19 15.8 +0.6
PV12	Saucer Basin, 12nm,1.1s	86.49	47	eP	P	12 19 16.0 +0.8
PV22	Blue Mesa, Par 9.3nm,1.1s	86.60	47	eP	P	12 19 15.5 -0.1
TASM	ASI Fed, Albuq baz=244	86.64	51	P	P	12 19 16.6 +0.7
ANMO	Albuquerque 10nm,0.9s,baz=211,slow=6.8,SNR=21	86.64	51	P	P	12 19 16.3 +0.4
ANMO	Albuquerque baz=244	86.64	51	P	P	12 19 16.6 +0.8
ANMO	Albuquerque 10.0nm,1.0s	86.64	51	eP	P	12 19 16.7 +0.8
TASL	Slope Pit, Alb 8.3nm,1.1s	86.64	51	eP	P	12 19 16.5 +0.6
MLY	Manley 8.3nm,0.9s	86.69	11	eP	P	12 19 14.0 -1.2
RIDG	Independ't Rid 16nm,0.9s	86.77	14	eP	P	12 19 15.1 -0.6
HDA	Harding Lake 16nm,0.7s	86.89	13	eP	P	12 19 15.3 -0.8
CCB	Clear Creek Bu 16nm,0.7s	86.92	12	eP	P	12 19 15.2 -1.0
DLBC	Dease Lake 4.2nm,0.8s,baz=211,slow=6.0,SNR=10	87.00	23	P	P	12 19 17.0 +0.2
DLBC	Dease Lake 8.1nm,1.0s	87.00	23	eP	P	12 19 17.2 +0.4
MCMT	McKenzie Canyo 8.7nm,1.0s	87.05	40	eP	P	12 19 18.5 +0.9
IM3	Indian Mountai 3.9nm,0.9s	87.05	10	eP	P	12 19 16.6 -0.2
AHID	Auburn Hatcher 3.9nm,0.9s	87.10	43	eP	P	12 19 18.5 +0.7
MDM	Murphy Dome 25nm,1.1s	87.11	12	eP	P	12 19 16.1 -1.1
COLA	College 34nm,0.8s	87.11	12	eP	P	12 19 16.4 -0.6
SCRK	Sand Creek 9.8nm,1.1s	87.17	14	eP	P	12 19 16.2 -1.4
IL1	Eielson Array 8.2nm,1.1s	87.22	13	eP	P	12 19 16.4 -1.2
ILAR	Eielson Array 8.3nm,0.8s,baz=226,slow=5.3,SNR=73	87.22	13	eP	P	12 19 16.6 -1.0
ILAR				pp	pp	12 22 44.5 -7.7
ILB	Eielson Array 8.2nm,1.1s	87.22	13	eP	P	12 19 16.7 -0.9
MSO	Missoula baz=238	87.44	38	P	P	12 19 19.1 -0.2
MSO	Missoula 3.9nm,0.6s	87.44	38	eP	P	12 19 19.4 +0.2
DLMT	Dillon 21nm,1.1s	87.48	40	eP	P	12 19 20.4 +0.9
REDW	Red Top Meadow 25nm,1.1s	87.55	42	eP	P	12 19 21.1 +1.1
TPAW	Teton Pass 9.3nm,1.0s	87.55	42	eP	P	12 19 20.9 +0.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, CPUP, Villa Florida, 28.50 143 P, P, 13 52 48.8 +1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, CPUP, Villa Florida, 28.50 143 P, P, 13 52 48.8 +1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, CPUP, Villa Florida, 28.50 143 P, P, 13 52 48.8 +1.1

IDC 03 13:47:02.0+0.3, 4.01S: 76.19W, h104km, 2km, mb4.6/29, mb1 4.7/33, mb1mx4.6/44, mbmp4.9/33, MS3.4/6, Ms1 3.4/6, ms1mx3.0/37, Error ellipse: s-maj=1.8/50m s-min=7.8km az=61.0

GTBY Godfrey 23.91 2 P P 13 51 58.0 -8.3 AORP Arctico Observ 24.16 22 EP P 13 52 07.5 -1.2

CPUP Villa Florida 28.50 143 P P 13 52 48.5 +0.9 comp=2.1nm,0.8s,baz=322,slo=9.6,SNR=20

Y52A	baz=168 Libburn	38.51 349	P	P	13 54 14.1	-0.2	JCT JCT	Junction City	41.17 328	eP	P	13 54 36.4	0.0	T40A	baz=162 Mansfield	43.80 341	P	P	13 54 55.9	-1.7
244A	baz=167 Avery, Jackson	38.53 340	P	P	13 54 13.6	-0.8	Y40A	comp=Z,24nm,0.8s Okolona	41.23 338	P	P	13 54 36.3	-0.5	R44A	baz=156 Waltonville	43.83 345	P	P	13 54 55.8	-1.8
146A	baz=158 Union	38.55 342	P	P	13 54 14.0	-0.6	WHTX	baz=147,SNR=6.4 Lake Whitney	41.24 332	eP	P	13 54 37.0	+0.2	S42A	baz=159 Caledonia	43.84 343	P	P	13 54 55.5	-2.3
VBMS	baz=159 Vicksburg	38.63 340	P	P	13 54 14.8	-0.4	WHTX	comp=Z,36nm,0.8s Lake Whitney	41.24 332	eP	P	13 54 37.1	+0.3	TUL1	baz=151 Leonard	43.87 337	P	P	13 54 57.4	-0.7
243A	baz=155 Waterproof	38.66 339	P	P	13 54 15.1	-0.4	V46A	baz=162 Holiday	41.27 345	P	P	13 54 34.8	-2.2	TUL1	comp=Z,22nm,0.8s Leonard	43.87 337	eP	P	13 54 57.0	-1.0
Y51A	baz=166,SNR=8.6 Rockmart	38.74 348	P	P	13 54 15.7	-0.5	BLA	baz=174 Blacksburg	41.31 355	P	P	13 54 37.8	+0.5	Q47A	baz=165,SNR=14 Bedord North L	43.88 348	P	P	13 54 56.7	-1.4
145A	baz=158 Houston Renfro	38.79 341	P	P	13 54 15.8	-0.8	BLA	comp=Z,12nm,0.7s Blacksburg	41.31 355	eP	P	13 54 37.9	+0.5	MVL	comp=Z,24nm,0.8s Millersville	43.90 360	eP	P	13 54 59.1	+0.9
247A	baz=158 Carrollton	38.79 344	P	P	13 54 16.0	-0.6	X41A	baz=120,0.7s Kaden, Kaden	41.39 339	P	P	13 54 36.6	-1.4	FVM	baz=199,0.7s French Village	43.94 344	eP	P	13 54 57.9	-0.7
341A	baz=161,SNR=6.1 Kurtwood	38.81 336	P	P	13 54 15.8	-0.9	U49A	baz=155 Red Boiling Sp	41.41 348	P	P	13 54 37.1	-1.0	FVM	comp=Z,19nm,0.7s French Village	43.94 344	eP	P	13 54 57.9	-0.7
248A	baz=152 Northport	38.82 345	P	P	13 54 16.0	-0.8	V45A	baz=165,SNR=5.1 Humboldt	41.43 344	P	P	13 54 36.4	-2.0	S41A	comp=Z,19nm,0.7s Jilco Farms,	43.96 342	P	P	13 54 56.8	-1.9
Y50A	baz=165 Piedmont	38.87 347	P	P	13 54 16.8	-0.5	X40A	baz=160 Basin Creek Fa	41.50 339	eP	P	13 54 38.4	-0.5	T39A	baz=157,SNR=7.0 Clevs	43.97 340	P	P	13 54 57.2	-1.7
Y49A	baz=164,SNR=5.3 Blount Mountai	39.00 346	P	P	13 54 17.4	-0.9	T52A	comp=Z,3.7nm,0.6s Hallie	41.50 352	P	P	13 54 38.7	-0.3	OLIL	baz=155 Olney	44.05 347	eP	P	13 54 57.5	-1.9
Y49A	comp=Z,3nm,0.6s Blount Mountai	39.00 346	eP	P	13 54 17.4	-0.9	WVT	baz=170,SNR=7.6 Waverly	41.51 346	P	P	13 54 37.0	-2.0	R43A	comp=Z,22nm,0.8s Red Bud	44.08 344	eP	P	13 54 52.6	-0.5
X53A	baz=169 Estanollee	39.00 351	P	P	13 54 18.3	0.0	WVT	baz=162 Waverly	41.51 346	eP	P	13 54 36.5	-2.4	P50A	baz=160 Jamestown	44.08 351	P	P	13 54 58.6	-1.1
Z46A	baz=160 Louisville	39.04 343	P	P	13 54 18.2	-0.4	WVT	comp=Z,20nm,1.3s Waverly	41.51 346	eP	P	13 54 36.5	-2.4	WMOK	baz=169 Wichita Mounta	44.13 333	P	P	13 54 59.9	-0.4
242A	baz=154 Grayson	39.07 338	P	P	13 54 18.7	-0.2	WVT	comp=Z,20nm,1.3s Waverly	41.51 346	eP	P	13 54 36.5	-2.4	WMOK	baz=147,SNR=27 Wichita Mounta	44.13 333	eP	P	13 54 59.5	-0.8
CNCC	baz=177 Cliffs of the	39.18 358	P	P	13 54 20.2	+0.4	U48A	comp=Z,20nm,1.3s Cassie Pea, Po	41.57 347	P	P	13 54 38.3	-1.1	WMOK	comp=Z,37nm,0.8s Wichita Mounta	44.13 333	eP	P	13 54 59.5	-0.8
X52A	baz=168,SNR=5.8 Dahlonega	39.20 350	P	P	13 54 19.7	-0.3	U47A	comp=Z,17nm,0.8s Clarksville	41.67 346	eP	P	13 54 38.6	-1.7	S40A	baz=156,SNR=11 Lebanon	44.20 341	P	P	13 54 59.1	-1.6
Y48A	baz=162 Jasper	39.23 345	P	P	13 54 19.2	-1.0	T50A	baz=163 Nancy	41.72 350	P	P	13 54 39.7	-1.0	Q45A	baz=167,SNR=7.9 Warren Harver,	44.22 347	P	P	13 54 58.7	-2.0
833A	comp=Z,49nm,0.9s Chaparral WMA,	39.26 327	eP	P	13 54 19.4	-1.2	IP05	comp=Z,44nm,0.1s Hopewell Churc	41.76 358	eP	P	13 54 41.1	+0.1	O56A	baz=177,SNR=10.0 Blue Knob Stat	44.22 357	P	P	13 55 01.3	+0.4
X51A	baz=166 Calhoun	39.34 349	eP	P	13 54 20.7	-0.5	V44A	baz=159 Blytheville	41.77 343	P	P	13 54 39.7	-1.5	O56A	comp=Z,37nm,1.0s Blue Knob Stat	44.22 357	eP	P	13 55 01.1	+0.2
X51A	comp=Z,14nm,0.9s Calhoun	39.34 349	eP	P	13 54 20.4	-0.7	U46A	baz=159 Springville	41.81 345	P	P	13 54 39.5	-1.9	O56A	comp=Z,37nm,1.0s Blue Knob Stat	44.22 357	eP	P	13 55 01.1	+0.2
X51A	comp=Z,14nm,0.9s Kings Mountain	39.35 353	P	P	13 56 27.6	-0.1	MIAR	MIAR	41.82 338	P	P	13 54 40.3	-1.3	CCM	baz=158 Cathedral Cave	44.24 343	eP	P	13 54 59.9	-1.1
143A	baz=172 Soes Landing,	39.38 340	P	P	13 54 20.4	-1.0	MIAR	MIAR	41.82 338	eP	P	13 54 39.7	-1.8	CCM	comp=Z,37nm,0.8s Cathedral Cave	44.24 343	eP	P	13 54 59.7	-1.3
Y47A	baz=156 UCPARC, Winfie	39.40 345	P	P	13 54 20.8	-0.8	MIAR	MIAR	41.82 338	eP	P	13 54 39.7	-1.8	CCM	comp=Z,37nm,0.8s Cathedral Cave	44.24 343	eP	P	13 54 59.7	-1.3
X50B	baz=162,SNR=16 Fort Payne	39.40 348	P	P	13 54 20.9	-0.8	MIAR	MIAR	41.82 338	eP	P	13 54 39.7	-1.8	CCM	comp=Z,37nm,0.8s Cathedral Cave	44.24 343	eP	P	13 54 59.7	-1.3
BG3	baz=163,SNR=11 Lake Jocassee	39.42 351	eP	P	13 54 21.8	0.0	IP07	comp=Z,7.0nm,0.8s Quail	41.86 358	eP	P	13 54 40.3	-1.5	R42A	baz=154 Luebbering	44.32 343	P	P	13 54 59.7	-1.8
BG3	comp=Z,16nm,0.8s Winona	39.43 342	P	P	13 56 27.9	0.0	IP01	comp=Z,17nm,1.2s Cuckoo	41.89 358	eP	P	13 54 41.3	-0.7	P47A	baz=166,SNR=2.2 Martinsville	44.38 349	P	P	13 55 00.6	-1.5
Z45A	comp=Z,16nm,0.8s Winona	39.43 342	P	P	13 56 27.9	0.0	W41B	comp=Z,9.1nm,0.9s Gary Mavity, V	41.91 340	P	P	13 54 40.9	-1.3	Q44A	baz=166,SNR=6.2 Meyer Farm, Va	44.43 346	P	P	13 55 00.5	-1.9
142A	baz=158 Monroe	39.43 339	P	P	13 54 21.4	-0.5	W41B	baz=156,SNR=5.3 Gary Mavity, V	41.91 340	eP	P	13 54 40.6	-1.6	LUPA	comp=Z,11nm,0.7s Lehigh Univer	44.50 1	eP	P	13 55 03.9	+0.9
Z44A	baz=155 Pea Ridge, Bel	39.58 341	P	P	13 54 22.6	-0.5	T49A	comp=Z,9.3nm,0.8s Edmonton	41.93 349	P	P	13 54 41.4	-1.0	R41A	baz=158 Rosebud	44.50 343	P	P	13 55 01.1	-2.0
X49A	baz=164,SNR=8.2 Woodville	39.60 347	P	P	13 54 22.6	-0.7	U45A	baz=166,SNR=7.9 Rocklin P Farm,	41.95 345	P	P	13 54 41.0	-1.6	S39A	baz=155,SNR=5.9 Bolivar	44.56 340	eP	P	13 55 01.7	-1.8
W53A	baz=169,SNR=21 Cullowhee	39.63 351	P	P	13 54 24.0	+0.3	IP03	baz=166,SNR=7.9 Louisa	41.96 358	eP	P	13 54 42.7	+0.1	S39A	comp=Z,14nm,0.8s Standing Stone	44.56 358	P	P	13 55 04.2	+0.7
Y46A	baz=160,SNR=9.2 Houston	39.66 343	P	P	13 54 22.8	-1.0	X39A	comp=Z,17nm,0.9s Fountain Ranch	41.99 338	P	P	13 54 42.3	-0.7	SSPA	comp=Z,37nm,0.9s Standing Stone	44.56 358	eP	P	13 55 03.7	+0.2
240A	baz=152 Hunter Patters	39.67 336	P	P	13 54 23.4	-0.5	CVRD	comp=Z,153,SNR=11 Centerville Ro	42.00 358	eP	P	13 54 43.0	+0.1	SSPA	comp=Z,37nm,0.9s Standing Stone	44.56 358	eP	P	13 55 03.7	+0.2
W52A	baz=168,SNR=5.8 Murphy	39.68 350	P	P	13 54 23.8	-0.2	IP04	comp=Z,20nm,1.2s Greensprings	42.03 358	eP	P	13 54 43.4	+0.2	ACSO	comp=Z,27nm,0.5s Aum Creek Sta	44.58 353	eP	P	13 55 00.3	-3.3
W52A	comp=Z,16nm,0.8s Murphy	39.68 350	eP	P	13 54 23.9	-0.2	WHAR	comp=Z,3.0nm,0.9s Woolly Hollow	42.03 340	eP	P	13 54 41.5	-1.8	O50A	baz=169 Cable Creek	44.58 352	P	P	13 55 02.3	-1.4
W52A	comp=Z,16nm,0.8s Hartselle	39.72 346	eP	P	13 56 27.9	-0.9	SS2A	comp=Z,17nm,0.8s Salyersville	42.08 352	P	P	13 54 43.1	-0.5	Q43A	baz=162 New Douglas	44.64 345	P	P	13 55 02.2	-1.9
X48A	baz=163,SNR=6.5 Hartselle	39.72 346	eP	P	13 54 23.4	-0.9	SS1A	baz=170 Beattyville	42.12 351	P	P	13 54 43.3	-0.6	P46A	baz=164 Rosedale	44.70 348	P	P	13 55 02.6	-2.0
Z43A	comp=Z,12nm,0.6s Armstrong Fami	39.78 340	P	P	13 54 23.8	-1.0	T47A	baz=163,SNR=10 Sharon Grove	42.15 347	P	P	13 54 42.6	-1.6	P45A	baz=164 Graceland, Par	44.73 347	P	P	13 55 02.7	-2.1
NATX	baz=150 Nacogdoches	39.80 335	P	P	13 54 24.7	-0.3	T47A	baz=164 Sharon Grove	42.15 347	eP	P	13 54 42.3	-1.9	P45A	comp=Z,11nm,0.7s Graceland, Par	44.73 347	eP	P	13 55 02.8	-2.1
141A	baz=150 Papa Simpson,	39.84 338	P	P	13 54 24.5	-0.7	V42A	comp=Z,17nm,0.8s Cord	42.21 341	eP	P	13 55 09.4	+0.3	P45A	comp=Z,11nm,0.7s Graceland, Par	44.73 347	eP	P	13 55 02.8	-2.1
Y45A	baz=159 Yeager Farm, C	39.84 342	P	P	13 54 24.7	-0.6	W40A	baz=157,SNR=5.1 Ferguson Farm,	42.21 339	P	P	13 54 42.7	-2.0	R40A	comp=Z,7.4nm,0.5s Maddies Statio	44.77 342	eP	P	13 55 05.3	-2.3
X47A	baz=162 Russellville	39.98 345	P	P	13 54 25.1	-1.3	W40A	comp=Z,17nm,0.8s Ferguson Farm,	42.21 339	P	P	13 54 43.9	-0.8	N59A	baz=160,SNR=7.3 State Game Lan	44.81 0	P	P	13 55 06.4	+0.9
W50A	baz=166,SNR=11 Signal Mountai	40.05 348	P	P	13 54 26.5	-0.5	W40A	comp=Z,17nm,0.8s Ferguson Farm,	42.21 339	eP	P	13 54 43.7	-1.0	N59A	comp=Z,19nm,0.8s State Game Lan	44.81 0	eP	P	13 55 05.5	0.0
W50A	comp=Z,24nm,0.8s Signal Mountai	40.05 348	eP	P	13 54 26.1	-0.9	V46A	comp=Z,162,SNR=7.9 Princeton	42.39 346	P	P	13 55 09.7	+0.1	PAL	baz=165 Palisades	44.95 2	P	P	13 55 06.7	+0.1
V53A	comp=Z,24nm,0.8s Saluda	40.07 352	P	P	13 54 27.1	-0.1	T41A	comp=Z,162,SNR=7.9 Mountainview	42.44 341	P	P	13 54 44.4	-1.7	N54A	baz=175,SNR=6.6 Moraine State	45.00 356	P	P	13 55 07.3	+0.3
Z42A	baz=170,SNR=9.4 Norrel Spur, H	40.09 339	P	P	13 54 26.3	-1.0	TXAR	baz=156,SNR=16 Lajitas Array	42.47 323	P	P	13 54 47.1	+0.1	ODNJ	comp=Z,3.0nm,0.7s,ba	45.00 2	eP	P	13 55 06.9	-0.1
140A	baz=155 Cam and Jess,	40.13 337	P	P	13 54 27.1	-0.5	TXAR	comp=Z,5.9nm,1.0s,ba	42.47 323	P	P	13								

ERPA	Erie	46.15 356	eP	P	13 55 15.8	-0.2
M46A	Old House Fiel	46.26 349	P	P	13 55 15.1	-1.8
M46A	Old House Fiel	46.26 349	eP	P	13 55 15.2	-1.6
QUA2	Belchertown	46.30 4	eP	P	13 55 16.6	-0.7
QUA2	La Belle	46.34 343	eP	pP	13 55 15.2	-2.3
O40A	Dawn	46.38 341	P	P	13 55 15.8	-2.1
P38A	Stutzman Famil	46.40 346	P	P	13 55 15.9	-2.0
N43A	Boilermakers S	46.41 348	P	P	13 55 15.7	-2.3
M45A	Weston	46.49 5	eP	P	13 55 18.6	0.0
WES	Weston	46.49 5	ePP	pP	13 55 46.4	+2.5
WES	Weston	46.49 5	ePP	pP	13 55 18.6	0.0
WES	Weston	46.49 5	ePP	pP	13 55 46.4	+2.5
WES	Weston	46.49 5	ePP	pP	13 55 46.4	+2.5
N42A	Yates City	46.50 345	P	P	13 55 17.0	-1.8
M44A	Midewin, Midew	46.57 348	P	P	13 55 16.8	-2.6
HRV	Adam Dzewiosk	46.59 5	P	P	13 55 19.8	+0.4
N41A	Harden Midland	46.60 345	P	P	13 55 17.5	-2.1
P37A	Lathrop	46.61 341	P	P	13 55 17.4	-2.3
O39A	Kirksville	46.65 343	P	P	13 55 18.3	-1.7
O38A	Galt	46.81 342	P	P	13 55 19.2	-2.1
M43A	Waltham Townsh	46.82 347	P	P	13 55 19.1	-2.2
N40A	Mertquake, Sal	46.96 344	P	P	13 55 20.3	-2.1
KSU1	Kansas State U	46.97 338	P	P	13 55 21.2	-1.3
KSU1	Kansas State U	46.97 338	eP	P	13 55 21.5	-1.0
KSU1	Derby Farms, D	47.03 346	eP	pP	13 55 49.1	+1.2
M42A	Sheffield	47.03 346	P	P	13 55 20.8	-2.1
O37A	Wolven Farm, M	47.07 341	P	P	13 55 21.2	-2.1
MEDO	Medina	47.11 358	P	P	13 55 23.6	+0.2
TYNO	Tyneside	47.11 356	P	P	13 55 23.9	+0.4
M41A	Milan	47.15 345	P	P	13 55 21.6	-2.2
STCO	Saint Catharin	47.19 357	P	P	13 55 24.8	+0.7
N39A	Derby Farms, D	47.22 343	P	P	13 55 22.4	-2.0
N39A	Derby Farms, D	47.22 343	eP	P	13 55 22.6	-1.8
N39A	Derby Farms, D	47.22 343	eP	pP	13 55 45.8	-3.9
121A	Cookes Peak, D	47.23 323	P	P	13 55 25.7	+0.8
ACCN	Adirondack Com	47.33 2	eP	P	13 55 25.4	-0.7
ACCN	Adirondack Com	47.33 2	eP	pP	13 55 25.8	+2.2
N38A	Joess South For	47.36 342	P	P	13 55 23.7	-1.7
319A	Douglas	47.36 321	eP	P	13 55 26.1	+0.3
319A	Douglas	47.36 321	eP	pP	13 55 26.9	+1.7
M40A	Post Highland	47.43 344	P	P	13 55 24.2	-1.8
L43A	Garden Prairie	47.48 347	P	P	13 55 24.5	-1.9
L42A	Oliver, Polo	47.52 346	P	P	13 55 24.5	-2.2
L42A	Oliver, Polo	47.52 346	eP	P	13 55 24.2	-2.6
N37A	Lee Faris, Mou	47.63 341	P	P	13 55 25.7	-1.9
N37A	Lee Faris, Mou	47.63 341	eP	P	13 55 25.7	-1.9
N37A	Lee Faris, Mou	47.63 341	eP	pP	13 55 53.1	+0.2
M39A	Webster	47.68 344	P	P	13 55 26.1	-1.9
L41A	Preston	47.79 346	P	P	13 55 26.6	-2.2
DRWO	Darlington Wes	47.82 357	P	P	13 55 29.2	+0.3
DRCO	St. Marys Ceme	47.83 357	P	P	13 55 29.3	+0.3
WLVO	Wesleyville	47.86 358	P	P	13 55 29.4	+0.1
K43A	Burlington	47.90 348	P	P	13 55 27.5	-2.1
K43A	Burlington	47.90 348	eP	P	13 55 27.1	-2.5
NCB	Newcomb	47.90 2	eP	P	13 55 29.6	0.0
M38A	Pleasantville	47.92 343	P	P	13 55 27.9	-1.9
N36A	Muff Farm, Cla	47.92 341	P	P	13 55 28.2	-1.7
CBKS	Cedar Bluff	47.97 335	P	P	13 55 30.5	+0.2
CBKS	Cedar Bluff	47.97 335	eP	pP	13 55 29.9	-0.4
CBKS	Cedar Bluff	47.97 335	eP	pP	13 55 57.0	+1.3
CBKS	Cedar Bluff	47.97 335	ePP	pP	13 55 29.9	-0.4
L40A	Anamosa	47.97 345	P	P	13 55 28.0	-2.2
L40A	Anamosa	47.97 345	eP	P	13 55 28.2	-2.0
L40A	Anamosa	47.97 345	eP	pP	13 55 54.7	-0.9
K42A	Prairie Point	48.19 347	P	P	13 55 29.8	-2.1
TASL	Snake Pit, Alb	48.19 326	P	P	13 55 32.7	+0.5
ANMO	Albuquerque	48.19 326	P	P	13 55 32.7	+0.4
ANMO	Albuquerque	48.19 326	eP	pP	13 55 56.3	-1.4
ANMO	Albuquerque	48.19 326	eP	pP	13 55 33.0	+0.8
ANMO	Albuquerque	48.19 326	eP	pP	13 55 32.6	+0.4
ANMO	Albuquerque	48.19 326	eP	pP	13 55 32.6	+0.4
ANMO	Albuquerque	48.19 326	eP	pP	13 55 32.6	+0.4
TASM	ASL Pad, Albuq	48.19 326	P	P	13 55 32.7	+0.4
BWLO	Walkerton	48.22 355	P	P	13 55 31.6	-0.4
L39A	Vinton	48.23 344	P	P	13 55 29.9	-2.3
K41A	Shullsburg	48.25 346	P	P	13 55 30.2	-2.1
LBNH	Lisbon	48.28 4	eP	P	13 55 32.7	+0.2
LBNH	Lisbon	48.28 4	eP	pP	13 55 59.3	+1.3
LBNH	Lisbon	48.28 4	ePP	pP	13 55 32.7	+0.2
LBNH	Lisbon	48.28 4	ePP	pP	13 55 59.3	+1.3
SCIA	State Center	48.37 343	P	P	13 55 31.3	-2.0
SCIA	State Center	48.37 343	eP	pP	13 55 31.6	-1.6
SCIA	State Center	48.37 343	eP	pP	13 55 59.0	+0.3
DELO	Deloro Mine	48.43 359	P	P	13 55 32.9	-0.7
M36A	Felix, Anita	48.45 341	P	P	13 55 31.7	-2.2
CLWO	Collingwood	48.49 356	P	P	13 55 34.0	-0.1
L38A	Oak Wood Farm,	48.51 343	P	P	13 55 32.2	-2.2
JFWS	Jewell Farm	48.52 346	P	P	13 55 32.5	-1.9
LONY	Lake Ozonia	48.53 1	P	P	13 55 34.9	+0.4
LONY	Lake Ozonia	48.53 1	eP	P	13 55 34.5	0.0
LONY	Lake Ozonia	48.53 1	eP	pP	13 55 58.9	-1.1
K40A	Colesburg	48.54 345	P	P	13 55 32.5	-2.0
J43A	Natural Harves	48.56 348	P	P	13 55 32.5	-2.2

J42A	Columbus	48.65 347	P	P	13 55 33.4	-2.0
SADO	Sadowa	48.74 357	eP	P	13 55 34.9	-1.1
SADO	Sadowa	48.74 357	eP	pP	13 56 03.3	+1.8
K39A	Oelwein	48.74 345	P	P	13 55 33.5	-2.6
T25A	Trinidad	48.77 330	P	P	13 55 37.4	+0.8
T25A	Trinidad	48.77 330	eP	P	13 55 37.2	+0.5
T25A	Trinidad	48.77 330	eP	pP	13 56 03.6	+1.4
FRNY	Flat Rock	48.78 2	ePP	pP	13 55 37.0	+0.6
J41A	Loganville	48.90 347	P	P	13 55 35.3	-2.0
TUC	Tucson	48.94 320	P	P	13 55 38.0	+0.1
TUC	Tucson	48.94 320	eP	P	13 55 37.8	-0.1
TUC	Tucson	48.94 320	eP	pP	13 56 03.6	+0.2
TUC	Tucson	48.94 320	eP	pP	13 55 37.8	-0.1
TUC	Tucson	48.94 320	ePP	pP	13 56 03.6	+0.2
PLVO	Plevna	48.94 359	P	P	13 55 37.7	+0.1
I43A	Langenfeld Bro	48.99 348	P	P	13 55 36.3	-1.7
L36A	Harm Buss Farm	48.99 342	P	P	13 55 36.4	-1.6
J40A	Solders Grove	49.10 346	P	P	13 55 36.5	-2.3
I42A	Draeger Farm,	49.15 348	P	P	13 55 37.9	-1.3
J39A	Decorah	49.28 345	P	P	13 55 37.7	-2.5
K37A	Belmond	49.29 343	P	P	13 55 37.8	-2.4
KLBO	Killbear Provi	49.39 356	P	P	13 55 39.1	-1.8
KSCO	Kaye Shedlock	49.40 333	P	P	13 55 41.5	+0.2
KSCO	Kaye Shedlock	49.40 333	eP	P	13 55 41.3	0.0
K36A	Gilmore City	49.41 342	P	P	13 55 39.5	-1.7
BUKO	Buck Lake	49.42 357	P	P	13 55 40.9	-0.4
I41A	Arkdale	49.52 347	P	P	13 55 40.3	-1.8
I41A	Arkdale	49.52 347	eP	P	13 55 40.2	-1.8
I40A	Norwalk	49.53 346	P	P	13 55 40.1	-2.0
ALFO	Alfred	49.54 1	P	P	13 55 42.5	+0.5
PKME	Peaks-Kenny Pk	49.54 6	P	P	13 55 42.7	+0.7
PKME	Peaks-Kenny Pk	49.54 6	eP	P	13 55 42.8	+0.7
PKME	Peaks-Kenny Pk	49.54 6	eP	pP	13 56 07.5	-0.1
BGNE	Belgrade	49.56 338	P	P	13 55 41.2	-1.2
PEMO	Pembroke	49.58 359	P	P	13 55 42.5	+0.1
H42A	Shiocton	49.67 348	P	P	13 55 41.3	-1.8
I39A	Houston	49.72 345	P	P	13 55 41.7	-1.9
I39A	Houston	49.72 345	eP	P	13 55 41.6	-1.9
SDCO	Great Sand Dun	49.78 329	eP	pP	13 56 09.0	-0.1
SDCO	Great Sand Dun	49.78 329	eP	pP	13 55 45.1	+0.6
X18A	Snowflake	49.91 323	eP	P	13 55 45.8	+0.4
X18A	Snowflake	49.91 323	eP	pP	13 56 13.8	+2.8
H41A	Junction City	50.00 347	P	P	13 55 44.0	-1.6
H41A	Junction City	50.00 347	eP	P	13 55 43.9	-1.8
H41A	Junction City	50.00 347	eP	pP	13 56 10.3	-1.0
J36A	Seneca 1, Swea	50.01 343	P	P	13 55 43.5	-2.2
J36A	Seneca 1, Swea	50.01 343	eP	P	13 55 43.5	-2.2
J36A	Seneca 1, Swea	50.01 343	eP	pP	13 55 04.5	-2.2
J36A	Seneca 1, Swea	50.01 343	ePP	pP	13 57 04.1	0.0
214A	Organ Pipe Nat	50.02 319	P	P	13 55 46.5	+0.4
I38A	Scanlan Farm,	50.10 345	P	P	13 55 44.2	-2.2
TRQ	Mont Tremblant	50.14 1	eP	P	13 55 46.4	-0.3
TRQ	Mont Tremblant	50.14 1	eP	pP	13 56 13.1	+0.7
H40A	Chili	50.17 347	P	P	13 55 45.3	-1.7
W18A	Petrified Fore	50.19 324	P	P	13 55 48.0	+0.5
W18A	Petrified Fore	50.19 324	eP	P	13 55 47.6	+0.1
W18A	Petrified Fore	50.19 324	eP	pP	13 56 16.2	+3.1
G43A	Wallace	50.22 349	P	P	13 55 45.6	-1.7
F46A	Macinaw City C	50.26 352	P	P	13 55 45.6	-2.0
F45A	CMU Biological	50.28 351	P	P	13 55 46.0	-1.6
G42A	Mountain	50.35 349	P	P	13 55 46.8	-1.5
H39A	Augusta	50.44 346	P	P	13 55 46.6	-2.4
S22A	4UR Ranch, Cre	50.47 328	P	P	13 55 50.0	+0.4
S22A	4UR Ranch, Cre	50.47 328	eP	P	13 55 49.7	0.0
S22A	4UR Ranch, Cre	50.47 328	eP	pP	13 56 17.0	+1.6
G41A	Antigo	50.47 348	P	P	13 55 47.4	-1.8
Q24A	Divide	50.55 331	P	P	13 55 50.4	+0.1
H38A	Maiden Rock	50.68 345	P	P	13 55 48.8	-2.0
F44A	Big Bay de Noc	50.70 351	P	P	13 55 48.4	-2.4
OGNE	Ogallala	50.72 335	P	P	13 55 51.5	+0.2
OGNE	Ogallala	50.72 335	eP	P	13 55 51.2	0.0
OGNE	Ogallala	50.72 335	eP	pP	13 56 16.9	0.0
X16A	Lo Mia Camp, P	50.74 322	eP	pP	13 55 52.0	+0.4
G40A	Rib Lake	50.74 347	P	P	13 55 48.8	-2.4
G40A	Rib Lake	50.74 347	eP	P	13 55 49.5	-1.8
F42A	Maple Grove Fa	50.79 349	P	P	13 55 49.4	-2.2
F41A	Three Lakes	50.96 348	P	P	13 55 51.4	-1.5
MVCO	Mesa Verde	50.97 327	P	P	13 55 53.5	+0.1
MVCO	Mesa Verde	50.97 327	eP	P	13 55 53.2	-0.1
MVCO	Mesa Verde	50.97 327	eP	pP	13 55 51.6	+2.6
G39A	Holcombe	50.98 346	P	P	13 55 51.5	-1.5
H36A	Jessenland, He	51.03 344	P	P	13 55 51.3	-2.1
G38A	Ridgeland	51.04 346	P	P	13 55 51.2	-2.2
POI	Presque Isle	51.08 7	ePP	pP	13 56 18.1	-1.3
ECSD	EROS Data Cent	51.08 341	P	P	13 55 51.8	-2.0
ECSD	EROS Data Cent	51.08 341	eP	P	13 55 51.4	-2.4
ECSD	EROS Data Cent	51.08 341	eP			

Table with columns: CCUM, Cumbre, El Hie, SNR=18, 0.12 64 P Pb, 13 47 57.4 -1.8

NEIC 03 13:50:36.9-0.0,68:19N:168:71W, h20km, ML2.8(AEIC), After AEIC, Chukchi Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

MAN 03 14:07:28.9, 12:54N:123:57E, h69km, mb4.3, ML3.1, MS2.8, 1C, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

ISCJB 03 14:13:03.2-0.7, 18:6S:0:2:177:9W:0.1, h557km, mb3.7/11, Error ellipse: s-maj=23.1km s-min=14.1km az=140.3

IDC 03 14:13:07.9-1.6, 18:64S:177:81W, h605km, 2/1km, mb3.2/12, mb1 3.5/13, mb1mx3.2/48, mbtmp4.2/13, Error ellipse: s-maj=20.3km s-min=11.3km az=148.0

ISC 03 14:13:04.9-0.7, 18:6S:0:2:177:9W:0.1, h557km, n13, #175/14, mb3.6/11, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

IDC 03 14:17:28.8-0.8, 39:86N:29:62W, h0km, mb3.6/8, mb1 3.8/9, mb1mx3.6/59, mbtmp3.6/9, ML4.3/1, MS3.4/12, Ms1 3.4/12, ms1mx3.0/56, Error ellipse: s-maj=31.9km s-min=13.6km az=172.0

PDA 03 14:17:33.9-0.6, 40:09N:29:42W, h10km, MD3.9, ML2.8, Error ellipse: s-maj=3.9km s-min=2.0km az=41.0

CSEM 03 14:17:33.8, 40:08N:29:42W, h10km, ML2.8

ISC 03 14:17:30.3-1.7, 39:82N:0:09:29:54W:0:06, h12km, 11km, n48, #091/53, mb3.6/8, MS3.4/12, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

Table with columns: MDT, Midnet, 21.23 101 P P, 14 22 18.8 +2.5

CSEM 03 14:24:25.9-0.3, 37:33N:35:18E, h2km, ML2.7, Error ellipse: s-maj=8.7km s-min=6.6km az=128.0

ISK 03 14:24:25.8, 37:29N:35:18E, h3km, ML2.7/5

ISCJB 03 14:24:26.0-0.9, 37:30N:0:05:35:14E:0:07, h8km, 5km, Error ellipse: s-maj=9.4km s-min=7.6km az=36.1

DDA 03 14:24:26.6, 37:33N:35:06E, h7km, ML2.1

ISC 03 14:24:26.3-1.0, 37:31N:0:04:35:16E:0:04, h8km, 8km, n21, #129/29, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

ISC 03 14:45:15.7, 40:44N:40:08E, h4km, 1km, ML2.4/3

ISCJB 03 14:45:16.4-0.5, 40:43N:0:03:40:07E:0:04, h3km, 8km, Error ellipse: s-maj=5.7km s-min=5.6km az=15.6

DDA 03 14:45:16.5, 40:44N:40:08E, h7km, ML2.7

CSEM 03 14:45:16.4-0.2, 40:41N:40:07E, h5km, ML2.4, Error ellipse: s-maj=4.6km s-min=4.0km az=174.0

ISC 03 14:45:16.4-1.0, 40:41N:0:03:40:08E:0:03, h4km, 7km, n16, #055/29, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

ISCJB 03 14:45:41.0-0.5, 11:50N:0:07:140:17E:0:07, h100km, mb4.0/17, Error ellipse: s-maj=10.8km s-min=8.8km az=144.6

IDC 03 14:45:42.9-2.5, 11:49N:0:10:0:21E, h101km, 25km, mb3.7/17, mb1 3.9/19, mb1mx3.7/60, mbtmp4.1/19, MS3.2/16, Ms1 3.2/16, ms1mx3.0/55, Error ellipse: s-maj=18.4km s-min=12.9km az=100.0

ISC 03 14:45:42.8-0.6, 11:48N:0:09:140:18E:0:09, h100km, n30, #057/21, mb4.1/17, Western Caroline Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

Table with columns: KSRS, Korea Array, 28.11 339 P P, 14 51 24.6 -0.6

ISCJB 03 15:13:14.1, 1.3, 27:91N:0:08:100:8E:0:2, h10km, mb3.6/2, MS2.7/1, Error ellipse: s-maj=22.2km s-min=7.7km az=23.4

IDC 03 15:13:15.4-5.1, 27:92N:100:84E, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.1/70, mbtmp3.5/2, MS2.8/1, Ms1 2.8/1, ms1mx2.5/27, Error ellipse: s-maj=109.3km s-min=41.1km az=117.0

B/JJ 03 15:13:18.6, 27:91N:100:65E, h8km, ML3.4/5

ISC 03 15:13:17.1-1.5, 27:91N:0:10:07E:0:02, h10km, n9, #247/47, Yunnan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

DDA 03 15:32:06.6, 39:59N:39:72E, h5km, ML2.9

ISCJB 03 15:32:07.5-0.4, 39:61N:0:02:39:77E:0:03, h3km, 4km, Error ellipse: s-maj=4.6km s-min=3.6km az=150.1

CSEM 03 15:32:07.5-0.2, 39:61N:39:73E, h2km, ML2.9, Error ellipse: s-maj=4.1km s-min=3.7km az=75.0

ISK 03 15:32:07.2, 39:60N:39:76E, h6km, ML2.7/8

ISC 03 15:32:06.5-0.8, 39:64N:0:02:39:75E:0:03, h12km, 4km, n39, #091/58, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

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Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like Petropavlovsk, Chiang Mai Arr, WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like KYZA, KBK, CHMS, USP, TKM2, etc.

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like GTA, WAKE ISLAND, etc.

ISK 03 18:36:43.8, 38°58'N-43°16'E, h14km, ML2.6/4
CSEM 03 18:36:44.6, 0.2, 38°60'N-43°17'E, h15km, ML2.6, Error
ellipse: s-maj=5.1km s-min=4.7km az=130.0

DMN 03 19:11:34.3, 0.7, 30°77'N-88°76'E, h10km, M5.1/5, Error
ellipse: s-maj=14.1km s-min=9.9km az=57.0

GTA comp=Z,4.0nm,1.4s pmax pmax
GTA comp=Z,74nm,5.3s LR LR
GTA comp=N,1um,15.8s LR LR

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like VANB, GEVAS, BITLIS, etc.

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like DMN, IDC, BUJ, NEIC, GCMT, etc.

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like CHTO, CMHT, CMHT, etc.

IDC 03 18:50:27.4, 2.5, 38°17'N-69°80'E, h0km, mb3.8/5,
mb1.3/1.1, mb1mx3.5/75, mbmp3.7/11, ML3.1/5, MS2.8/4,
Ms1 2.8/4, ms1mx2.4/65, Error ellipse: s-maj=40.1km
s-min=16.0km az=158.0

MOS 03 19:11:42.6, 1.2, 29°90'N-87°96'E, h33km, mb4.8/40, Error
ellipse: s-maj=7.7km s-min=4.5km az=122.5

FRU Bishkek 16.79 324 eP Pmax
FRU comp=Z,125nm,2.5s P P

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like TAS, SFK, MNAS, etc.

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like JIRN, RAMN, KKN, etc.

Table with columns: Code, Station Name, Az, El, P, SNR, Az, El, P, SNR. Includes stations like PHIT, MK01, MK31, etc.

3d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAML Samuel, CPUP Villa Florida, etc.

MEX Q3 19:21:34.5:0.3,18.16N:103.50W,h15km,25km,MD3.5, Near coast of Michoacan

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

ISC/JB Q3 19:22:10.3:0.2,18.00S:0.05:178.54W:0.05,h579km, mb4.4/93, Error ellipse: s-maj=8.1km s-min=4.1km az=137.8

NEIC Q3 19:22:11.2:0.4,17.95S:178.49W,h577km,5km,mb4.4/74, Error ellipse: s-maj=7.9km s-min=4.0km az=136.0

IDC Q3 19:22:12.2:1.2,18.04S:178.45W,h590km,13km, mb3.7/18, mb1 3.9/20, mb1mx3.6/46, mbtmp4.6/20, Error ellipse: s-maj=14.7km s-min=8.4km az=150.0

ISC Q3 19:22:11.1:0.4,17.97S:0.08:178.47W:0.07,h579km, n191, a093/191, mb4.3/93, 2C-9D, Fiji Islands region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, DFM Mont Dzumac, OUZ Onuhata, etc.

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Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOD Modroc Plateau, K05A Summer Lake, R11A Troy Canyon, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VTS Vitoshá, WATA Walderalm, RETA Reutte, etc.

ROM Q3 19:38:55.3:0.2,41.86N:0.01:16.01E:0.01,h18km,1km, ML2.2/7

ISC/JB Q3 19:38:56.8:0.7,41.78N:0.04:15.92E:0.07,h21km,5km, Error ellipse: s-maj=8.6km s-min=7.3km az=166.4

ISC Q3 19:38:57.0:1.1,41.74N:0.04:15.96E:0.05,h18km,4km, n14, a090/19, Southern Italy

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MS1 Monte Sant'Ang, MSAG Monte S. Angel, MELA Melanico, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GEVA, ADCV, BITLIS, Van-Muradiye, VMUR, Caldiran, TUTA, GURO, AGRB, HAKT, HAKKARI, HAKT, HAKKARI, CUKT, CUKURA.

MAN 03 19:45:24.0, 13:66N:120:61E, h42km, mb4.3, ML3.1, MS2.8, 1C, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LUBP, TG, TAGAYATAY CITY, BOAC, SAN JOSE, CORON, ODIONGAN, SAN ANDRES, BALER.

IDC 03 19:46:42.3, 2.4, 17.72S:179.12W, h0km, mb4.1/5, mb1 4.4/5, mb1mx3.8/50, mbtmp4.1/5, Error ellipse: s-maj=210.5km s-min=23.8km az=157.0

NEIC 03 19:47:28.3, 3.5, 18.16S:179.45W, h433km, mb4.4/9, Error ellipse: s-maj=45.0km s-min=9.7km az=146.0

ISCJB 03 19:47:29.0, 2.0, 18.2S:0.2:179.6W:0.1, h450km, mb4.1/14, Error ellipse: s-maj=35.7km s-min=9.4km az=152.2

ISC 03 19:47:30.2, 0.9, 18.1S:0.2:179.5W:0.1, h450km, n25, 0.1m, 0.6s, mb4.0/14, Fijil Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FUNA, HNR, CTAO, COEN, MANU, STKA, BBOO, WRAB, WR1, WRA, AS31, ASAR, FITZ, MBWA, PASC, DPP, EML, DNR, GVDA, NVAR, CMW, GBL, TXAR, CLL.

IDC 03 19:53:32.7, 0.9, 1.50N:128:36E, h0km, mb3.7/6, mb1 3.9/7, mb1mx3.5/6, mbtmp3.7/7, ML3.1/1, MS2.8/1, Ms1 2.8/1, ms1mx2.5/3, Error ellipse: s-maj=59.3km s-min=16.5km az=61.0

DJA 03 19:53:34.0, 1.7, 1.7N:127:9E:1.8, h10km, M3.6/4, MLV3.6

NEIC 03 19:53:37.8, 1.0, 1.43N:128:46E, h37km, 11km, mb4.7/4, Error ellipse: s-maj=39.2km s-min=6.8km az=69.0

ISC 03 19:53:36.1, 0.8, 1.23N:0.07:128.04E:0.08, h23km, n26, 0.1m, 0.6s, mb4.0/9, Halmaheira

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI, LBMI, SIJI, SJUI, LUWI, FAKI, DAV, SAUI, MMRI, MTN, PMG, WRA, WR1, WB2, ASAR, SONAO, SONM, MK01, MK31, MK32, MKAR, MKR, KURBB, KURK, BVAR.

KRSC 03 20:43:43.4, 1.5, 53.97N:168:46E, h43km, 23km, ML3.7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI, Bering, MYK, Mys Kozlova, KBG, Kuznetsov, SMKR, Semkarok, TUMD, Zelenaya, ZLN, Kizimen, SPN, Mys Shipunski, NLR, GNL, Sedlovina, SDR, UGLR, AVH, Avacha, RUS, Guskaya, BIK, Ganaly, KRMR, Karymshinskiy, MTRV, Mutnovka, KDTR, Khodutka, Kamc.

ISCJB 03 20:44:04.0, 0.4, 7.30S:0.05:126:46E:0.07, h400km, mb3.7/14, Error ellipse: s-maj=10.1km s-min=6.1km az=10.0

IDC 03 20:44:05.8, 1.0, 7.35S:126:33E, h408km, 12km, mb3.4/14, mb1 3.4/19, mb1mx3.3/3, mbtmp4.2/19, Error ellipse: s-maj=16.3km s-min=8.9km az=84.0

ISC 03 20:44:05.3, 0.6, 7.32S:0.06:126:49E:0.09, h400km, n21, 0.1m, 0.6s, mb3.7/14, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BATI, BAUMATA, SIJI, FITZ, WRA, ASAR, LEM, NWAO, GUMO, STKA, KSRS, MAT, MJAR, USRK, ASAJ, SONM, PETK, MKAR, ZALV, KURBB, BVAR, QSPA.

IDC 03 20:48:41.1, 18.0, 22.77S:175:43W, h0km, mb4.2/5, mb1 4.4/5, mb1mx3.8/47, mbtmp4.2/5, MS4.1/1, Ms1 4.1/1, ms1mx2.6/7, Error ellipse: s-maj=330.4km s-min=138.3km az=83.0, Tonga Islands region

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

ISCJB 03 21:04:02.8, 0.7, 34.50N:0.04:140:40E:0.06, h61km, 8km, mb3.6/2, Error ellipse: s-maj=9.1km s-min=6.9km az=163.1

IDC 03 21:04:02.5, 1.3, 33.82N:138:59E, h0km, mb3.6/2, mb1 3.7/3, mb1mx3.3/67, mbtmp3.5/3, ML3.1/1, Error ellipse: s-maj=38.3km s-min=18.3km az=45.0

JMA 03 21:04:03.0, 2.0, 34.51N:140:39E, h55km, 3km, M2.9

ISC 03 21:04:03.5, 1.1, 34.49N:0.05:140:40E:0.06, h52km, 11km, n17, 0.071/21, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO3, BSO4, TNTI, KTR, JIM2, JIM3, JIM4, JIM5, JIM6, JIM7, JIM8, JIM9, JIM10, JIM11, JIM12, JIM13, JIM14, JIM15, JIM16, JIM17, JIM18, JIM19, JIM20, JIM21, JIM22, JIM23, JIM24, JIM25, JIM26, JIM27, JIM28, JIM29, JIM30, JIM31, JIM32, JIM33, JIM34, JIM35, JIM36, JIM37, JIM38, JIM39, JIM40, JIM41, JIM42, JIM43, JIM44, JIM45, JIM46, JIM47, JIM48, JIM49, JIM50, JIM51, JIM52, JIM53, JIM54, JIM55, JIM56, JIM57, JIM58, JIM59, JIM60, JIM61, JIM62, JIM63, JIM64, JIM65, JIM66, JIM67, JIM68, JIM69, JIM70, JIM71, JIM72, JIM73, JIM74, JIM75, JIM76, JIM77, JIM78, JIM79, JIM80, JIM81, JIM82, JIM83, JIM84, JIM85, JIM86, JIM87, JIM88, JIM89, JIM90, JIM91, JIM92, JIM93, JIM94, JIM95, JIM96, JIM97, JIM98, JIM99, JIM100.

IDC 03 21:09:05.1, 3.0, 33.89S:178:33W, h0km, mb3.4/2, mb1 3.7/3, mb1mx3.5/46, mbtmp3.5/3, ML3.7/1, MS3.6/1, Ms1 3.6/1, ms1mx2.6/23, Error ellipse: s-maj=76.4km s-min=35.9km az=124.0, South of Kermadec Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR, Alice Springs, WRA, Warramunga Arr, FITZ, Fitzroy Crossi, FINES, Finess Array B.

ISCJB 03 21:26:28.5, 2.0, 33.4S:0.1:178:6W:0.3, h48km, mb3.5/3, Error ellipse: s-maj=36.7km s-min=16.3km az=16.6

IDC 03 21:26:36.8, 7.2, 33.56S:178:88W, h93km, 58km, mb3.3/3, mb1 3.5/4, mb1mx3.3/47, mbtmp3.6/4, ML3.3/1, MS2.5/1, Ms1 2.5/1, ms1mx2.2/16, Error ellipse: s-maj=51.4km s-min=30.9km az=50.0

ISC 03 21:26:30.1, 1.6, 33.3S:0.2:178:6W:0.3, h48km, n7, 0.1m, 0.6s, mb3.6/3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO, Raoul Island, URZ, Urewera, ASAR, Alice Springs, WRA, Warramunga Arr, VANDA, Vanda, FINES, Finess Array B, HFS, Hagfors.

KRSC 03 21:29:13.8, 1.4, 55.56N:164:57E, h50km, 24km, ML3.7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI, Bering, KBTR, Krutoberegovo, KBG, Krutoberegovo, KBG, Mys Kozlova, SMKR, Semkarok, BDR, Baidarnaya, ZLN, Zelenaya, SRKR, Sorokina, CIRR, Tsirik, CIRR, Loginova, LGNR, KLY, Klyuchi, BZMR, Bezmyannyy, BZVR, Bezmyannyy-We, KRSH, Krestovskiy, KRSH, Krestovskiy, KIRR, Kirishev, KIRR, Kamenistaya, KMNR, Kizimen, KPT, Kopyto, KPT, Kopyto, TUMR, Tumrok, TUMR, Kozhyrevsk, KZ, Kozhyrevsk, KII, Karymshinskiy, SPN, Mys Shipunski, NLC, Nalytchevo, NLC, SDR, Sedlovina, SDR, UGLR, Uglovaya, UGLR, AVH, Avacha, BREF, Ganaly, KRMR, Karymshinskiy, KRMR, RUS, Russkaya, MTRV, Mutnovka, ASAK, Asatka, KDTR, Khodutka, Kamc.

NNC 03 21:56:57.1, 2.1, 50.21N:87:68E, h0km, mb3.6, mpv3.2, 5C-5D, Error ellipse: s-maj=19.8km s-min=10.3km az=106.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAAO, Zelenovaya, ZAAO, Makanchi Array, MK31, Kurkuchatov, MK31, Kurkuchatov, KURBB, Kurkuchatov Arra, KURBB, Kurkuchatov, KURBB.

IGQ 03 21:58:40.9, 1.0, 1.3S:3:81W:1.1, h13km, 6km, MLV4.0/2, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAG1, Magdalena, QUEV, Quevedo, ASDO, Santo Domingo, MILC, Milagro-Astudi, TULO, Illiniaz Sur, PAST, Pastocalle, COHC, Cochancay, COHC, Atacazo Ninahu, PINO, Guagua Pichinch, GGCG, Cotopaxi Volca, BNAE, Cotopaxi Volca, RIOE, Riobamba, BMOR, Cotopaxi Volca, BREF, Cotopaxi Volca, YANA, Yana, JUM6, Juive, BMAS, Trigal station, PITA, Cotopaxi Volca, BVC2, Cotopaxi Volca, POND, Cotopaxi Volca, VC1, Cotopaxi I, BTAM, Cotopaxi Volca, RETU, Refugio, PISA, Pisayambo, ARRY, Arroyo.

3d 23h

Table with columns: BPAT, COVI, ANTG, ANTM, OTAV, ANTS, CUIC, IMBA, URCU, CAYA, YAHU. Includes station names, coordinates, and status.

ISCJB 03 21:59:56.70.3, 10.05N, 103.125E, 153E, 0.05, h192km, 2km, mb4.0/37, Error ellipse: s-maj=7.9km s-min=3.9km az=160.6

NEIC 03 21:59:57.8.1.1, 10.06N, 125.59E, h192km, 11km, mb4.1/4, Error ellipse: s-maj=29.6km s-min=15.0km az=74.0

MAN 03 21:59:58.6, 10.06N, 125.46E, h172km, mb4.9, ML3.8, MS3.3

IDC 03 21:59:58.4.1.5, 10.03N, 125.53E, h194km, 15km, mb3.7/22, mb1.3.7/26, mb1mx3.5/72, mbmtpp4.3/26, Error ellipse: s-maj=16.6km s-min=7.7km az=74.0

ISC 03 21:59:57.7.0.6, 10.04N, 104.125E, 49E, 0.06, h185km, 5km, n97, c111/104, mb4.2/37, 4C-4D, Leyte

Main table listing station codes (SCPH, SCFH, MSP, etc.), station names, coordinates, and status. Includes sub-sections for DAV, JAP, OTRP, etc.

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Table listing station codes (STKA, WMQ, VMO, etc.), station names, coordinates, and status. Includes sub-sections for MKO1, MK31, MKAR, etc.

MEX 03 22:01:14.9.0.7, 17.45N, 100.54W, h39km, 13km, MD3.7, Guerrero

Table listing station codes (CAIG, ARIG, etc.), station names, coordinates, and status. Includes sub-sections for ACAP2, ZIIG, etc.

IDC 03 22:14:43.0.3.4, 36.20N, 71.04E, h195km, 32km, mb3.5/9, mb1.3.4/14, mb1mx3.1/70, mbmtpp4.0/14, MS3.5/2

M3 1.3/5.2, ms1mx2.4/5.6, Error ellipse: s-maj=24.0km s-min=17.0km az=61.0

ISCJB 03 22:14:44.5.0.5, 36.49N, 100.03W, 71E, 0.07, h200km, mb3.6/9, Error ellipse: s-maj=8.2km s-min=4.0km az=159.6

NCC 03 22:14:50.3.4.3, 37.07N, 70.45E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=34.7km s-min=29.9km az=143.0

ISC 03 22:14:45.3.0.7, 36.50N, 066.70E, 81E, 0.09, h200km, n32, c189/38, mb3.8/9, 7C-3D, Hindu Kush region

Main table listing station codes (SFK, SFF, AML, etc.), station names, coordinates, and status. Includes sub-sections for DHAM, UCH, KZA, etc.

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Table listing station codes (SPITS, TORO, DBIC, YKA), station names, coordinates, and status.

MEX 03 22:45:50.0.0.6, 16.29N, 99.59W, h18km, 21km, MD3.9, Near coast of Guerrero

Table listing station codes (ACP2, ACP2, etc.), station names, coordinates, and status. Includes sub-sections for PLIG, ARIG, etc.

IDC 03 22:42:22.8.8.1, 21.38S, 179.63E, h500km, 91km, mb3.0/5, mb1.3.3/5, mb1mx2.9/43, mbmtpp3.9/5, Error ellipse: s-maj=185.9km s-min=41.6km az=167.0, South of Fiji Islands

Table listing station codes (CTA, ASAR, WRA, etc.), station names, coordinates, and status. Includes sub-sections for FITZ, TXAR, HFS, etc.

IDC 03 23:00:22.2.4.8, 7.40S, 129.98E, h170km, 42km, mb3.4/2, mb1.3.2/6, mb1mx3.0/48, mbmtpp3.7/6, Error ellipse: s-maj=44.0km s-min=20.7km az=55.0, Banda Sea

Table listing station codes (BATI, BATI, etc.), station names, coordinates, and status. Includes sub-sections for WRA, ASAR, MKAR, etc.

CSEM 03 23:18:32.9.1.2, 38.95N, 43.51E, h15km, ML2.5, Error ellipse: s-maj=6.3km s-min=5.2km az=125.0

ISK 03 23:18:32.6, 38.89N, 43.51E, h18km, ML1.9/3, ISCJB 03 23:18:33.7.0.8, 38.91N, 104.43E, 58E, 0.08, h13km, 6km, Error ellipse: s-maj=10.5km s-min=5.9km az=21.1

DDA 03 23:18:33.9, 38.90N, 43.55E, h7km, ML2.5, ISC 03 23:18:33.0.9.3, 38.93N, 103.43E, 0.04, h14km, 6km, n17, c0528/26, Turkey

Table listing station codes (VMUR, VMUR, etc.), station names, coordinates, and status. Includes sub-sections for ERVC, VANB, etc.

IDC 03 23:18:53.9.1.7, 2.71N, 92.75E, h0km, mb3.5/5, mb1.3.8/8, mb1mx3.5/69, mbmtpp3.7/8, ML3.8/3, MS3.2/4, Ms1.3/2.4, ms1mx2.7/51, Error ellipse: s-maj=42.8km s-min=21.8km az=38.0

NEIC 03 23:18:54.7.1.0, 2.63N, 92.70E, h10km, mb4.1/1, Error ellipse: s-maj=22.3km s-min=12.2km az=202.0

ISCJB 03 23:18:56.0.1.1, 2.6N, 92.92E, 69E, 0.07, h33km, mb3.7/6, MS3.1/3, Error ellipse: s-maj=24.1km s-min=8.7km az=15.0

ISC 03 23:18:58.5.1.3, 2.7N, 92.92E, 70E, 0.09, h35km, n14, c099/13, mb3.8/6, MS3.2/3, Off west coast of northern Sumatra

Main table listing station codes (PSI, PSI, etc.), station names, coordinates, and status. Includes sub-sections for PALK, CMAR, DAV, etc.

Table with 4 columns: ARU, Arti, 60.13 339 eP, P, 23 29 02.8 +0.5. Includes SPITS Spitsbergen Ar and TXAR Lajitas Array.

IDC 03 23:20:41.2, 2.5, 39.98N; 37.44E, h0km, mb3.4/1, mb1 3.6/4, mb1mx3.2/55, mbtmp3.4/4, ML3.2/3, MS3.4/1, Ms1 3.4/1, ms1mx2.3/33, Error ellipse: s-maj=56.0km s-min=8.1km az=156.0

ISC 03 23:20:45.3, 40.569N; 37.01E, h5km, ML3.5/9, DDA 03 23:20:45.3, 40.569N; 37.01E, h13km, ML3.5, CSEM 03 23:20:46.8, 0.2, 40.566N; 36.99E, h2km, ML3.5, Error ellipse: s-maj=4.8km s-min=3.2km az=33.0

ISC 03 23:20:45.7, 10.455N; 0.02; 37.04E; 0.02, h8km, gkm, n83, r1537121, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like ERBA, RSDY, TOKA, SVSK, etc.

ISCJB 03 23:26:21.9, 0.5, 40.59N; 0.03; 37.09E; 0.03, h8km, 5km, Error ellipse: s-maj=5.5km s-min=3.9km az=10.7

CSEM 03 23:26:21.9, 0.5, 40.59N; 0.03; 37.09E; 0.03, h7km, ML2.6, Error ellipse: s-maj=3.9km s-min=2.8km az=2.0

DDA 03 23:26:21.4, 0.4, 40.56N; 37.09E, h7km, ML2.6

ISK 03 23:26:21.6, 40.60N; 37.09E, h7km, ML2.6/5, ISC 03 23:26:21.9, 0.5, 40.59N; 0.03; 37.09E; 0.02, h14km, 7km, n28, r0524/4, Turkey

Table with 7 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like RSDY, ERBA, TOKA, SVSK, etc.

ISCJB 03 23:28:20.7, 0.5, 40.59N; 0.03; 37.10E; 0.03, h5km, 5km, Error ellipse: s-maj=5.2km s-min=3.6km az=14.0

CSEM 03 23:28:20.8, 0.1, 40.59N; 37.10E, h5km, ML2.3, Error ellipse: s-maj=3.4km s-min=2.3km az=16.0

DDA 03 23:28:20.4, 40.58N; 37.10E, h7km, ML2.7, ISC 03 23:28:21.1, 0.9, 40.59N; 0.03; 37.10E; 0.02, h11km, 7km, n32, r069/52, Turkey

Table with 7 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like RSDY, ERBA, TOKA, SVSK, etc.

JMA 03 23:49:09.1, 37.68N; 139.94E, h9km, 1km, M0.4, Eastern Honshu

JFY Yanaizu 0.33 215 S Op Sg 23 49 20.2 +0.2

JMA 03 23:49:35.7, 0.1, 36.34N; 138.23E, h13km, 1km, M0.7, 1C, Eastern Honshu

Table with 7 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JNG, MAT, JRY, etc.

SJA 03 23:51:12.0, 0.4, 33.62S; 72.56W, h18km, 143km, ML3.3, MWG.6

GUC 03 23:51:16.7, 0.6, 33.66S; 71.97W, h32km, ML3.2, ISC 03 23:51:17.5, 2.3, 33.74S; 0.06; 71.90W; 0.10, h17km, 18km, n15, r180/23, Near coast of central Chile

Table with 7 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like ROCH, PEL, CLCH, GO05, etc.

Table with 6 columns: FCH, Farellones, 1.41 74 eP, Pn, 23 51 47.1 -0.0, 23 52 01.6 +0.3, 23 52 05.5

ISCJB 03 23:57:27.1, 1.5, 23.81S; 0.06; 179.96E; 0.09, h51km, mb4.0/20, Error ellipse: s-maj=11.6km s-min=8.1km az=165.9

IDC 03 23:57:27.1, 1.1, 23.75S; 179.96W, h509km, 11km, mb3.6/20, mb1 3.7/22, mb1mx3.6/44, mbtmp4.4/22, Error ellipse: s-maj=12.9km s-min=11.4km az=36.0

ISC 03 23:57:27.8, 0.6, 23.86S; 0.08; 180.0W; 0.1, h518km, n32, r117/35, mb4.1/20, South of Fiji Islands

Table with 6 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like RAO, DZM, URZ, RPZ, PMG, STKA, ASAR, WRA, FITZ, VDA, BATI, NWAO, GSPA, MJAR, MAW, KRSR, SNAJ, NVAR, CMAR, TXAR, ANMO, ILAR, PDAR, MKAR, KURB, BVAR, FINES, HFS, AKASG, BRTR, GERE, TORD.

BJI 04 00:03:57.8, 58.89S; 150.13E, h5km, mb5.1/3, mb5.2/1, Ms5.0/3, Ms7.4/3

IDC 04 00:03:58.8, 0.6, 59.06S; 148.79E, h0km, mb4.4/11, mb1 4.4/12, mb1mx4.3/41, mbtmp4.3/12, ML3.4/1, MS4.5/32, Ms1 4.5/32, ms1mx4.5/35, Error ellipse: s-maj=25.7km s-min=14.2km az=95.0

NEIC 04 00:03:60.0, 0.9, 59.05S; 149.25E, h10km, 5km, mb4.6/12, Error ellipse: s-maj=13.5km s-min=7.9km az=95.0

GCMT 04 00:04:00.0, 0.0, 58.93S; 148.95E, h13km, 1km, MW5.4/12, Moment Tensor Solution, s101, c155; s112, c214; Duration: 1s2, Moment tensor: Scale 1017 Nm, Mw: 0.22; 02; Mw0.70; 02; Mw-0.77; 02; Mw-0.32; 05; Mw-1.11; 02; 02; Mw-0.07; 04; Best double couple: M1 3.550000; NP2 3.440000; N3 2.540000; 889.00000; 1.166.00000; NP2 3.347.00000; 876.00000; 1.1.000000; Principal axes: T 1.3530, P1g11.0000, Azm208.0000; N 0.0040, P1g76.0000, Azm70.0000; P -1.3570, P1g9.0000, Azm300.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 04 00:04:00.0, 0.9, 59.09S; 0.07; 148.65E; 0.10, h10km, n126, r1561/91, mb4.4/16, MS4.6/33, 2D, West of Macquarie Island

Table with 6 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MCO, TAU, CASY, VDA, VNA, SBA, RPZ, CAN, STKA, STKA, URZ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GSPA South Pole Qui, QSPA Cape Leeuwin H, H01W1 Cape Leeuwin H, etc.

Table with columns: WMO, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, KURBK Kurchatov Arra, NVAR Minna Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MASJ Maura Aman, Be, LWLI Liwa, MDSA Mauna Dua, etc.

IDC 04 00:22:02.4, 1.8, 4.30s, 102.12E, h07km, mb4.0/10,

mb1.4/1.10, mb1mx3.7/63, mbtmp4.0/10, Error ellipse: s-maj=78.6km s-min=15.4km az=55.0

ISCBJ 04 00:22:05.1, 0.7, 4.5s, 0.1, 101.97E, 0.07, h37km, mb3.9/12, Error ellipse: s-maj=16.6km s-min=5.9km az=29.9

NEIC 04 00:22:07.4, 0.6, 4.32s, 102.11E, h35km, mb4.2/1, Error ellipse: s-maj=26.0km s-min=8.0km az=53.0

DJA 04 00:22:10.8, 1.1, 4.5s, 1.0, 102.2E, h62km, 36km, M4.0/5, ML4.0/5

ISC 04 00:22:07.6, 0.9, 4.45s, 0.1, 102.0E, 1.1, h37km, n26, f153Z/22, mb4.0/12, Southern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MASJ Maura Aman, Be, LWLI Liwa, MDSA Mauna Dua, etc.

MEX 04 00:27:18.6, 0.6, 17.28N x 100.67W, h11km, 5km, MD3.7,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CAIG El Cayaco, ZIIG Zihuatajejo, AC2P Acapulco, etc.

IDC 04 00:15:52.4, 0.8, 29.49S, 177.03W, h0km, mb4.2/4,

mb1.4/4.6, mb1mx4.0/46, mbtmp4.3/6, ML3.72, MS4.2/4,

mb1.4/2.4, ms1mx3.5/41, Error ellipse: s-maj=27.5km s-min=17.3km az=3.0

ISCBJ 04 00:15:54.0, 0.9, 29.62S, 0.06, 176.99W, 0.09, h31km, mb4.3/6, MS4.3/4, Error ellipse: s-maj=11.9km s-min=8.3km az=6.3

NEIC 04 00:15:55.7, 3.0, 29.43S, 177.13W, h20km, 20km, mb4.4/1, Error ellipse: s-maj=16.5km s-min=9.6km az=108.0

ISC 04 00:15:57.3, 0.7, 29.49S, 0.08, 177.09W, 0.07, h31km, n28, f111Z/27, mb4.3/6, MS4.4/4, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LSSA Little Sitkin, LSNW Little Sitkin, LSPA Little Sitkin, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like PGAV Gaveira, Arco, SESP Santiago Espad, etc.

ISCJB 04 01:51:48.5±0.3, 33°17'N±0.1, 82°08'W±0.1, h3km±2km, Error ellipse: s-maj=2.1km s-min=1.9km az=152.2

NEIC 04 01:51:48.9±0.3, 33°12'N±0.2, 82°03'W±0.1, h10km, MIZ.7(CERI), After CERI.

NEIC Felt (II) at Milledgeville and (II) at Sandersville. Also felt at Jackson and Sparta.

ISC 04 01:51:49.4±0.3, 33°16'N±0.2, 83°00'W±0.2, h14km±7km, n97, c182/138, Georgia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Z54 Sparta, GOGA Godfrey, GOGA Godfrey, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like 152A Waverly Hall, 152A Dahlonega, X52A Tifton, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like NEST Nestorio, KBN Korca, KBN Korca, etc.

JMA 04 02:25:09.8±0.1, 36°70'N±1.0, 140°79'E, h46km±1km, M3.6, 3C-5D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like JHO Hitachi, JHYU Hitachinakyam, etc.

NIED 04 02:37:40.43±0.7, 37°N±1.4, 146°40'E, h80km, Mw4.2 Best double couple: M2=30000±1015 NP1=165.00000°, 824.00000°, λ-132.00000°

BUI 04 02:37:42.3, 43°79'N±1.6, 146°39'E, h75km, mb4.7/24, mb4.9/15, Ms4.4/M, Ms7.4/12

MOS 04 02:37:46.5±1.0, 43°72'N±1.6, 146°39'E, h90km, mb4.5/29, Error ellipse: s-maj=6.4km s-min=6.0km az=100.4

MOS Felt (II) at Yuzhno-Kuril'sk (II-III) at Malokuril'skoye. ISCJB 04 02:37:47.2±0.3, 43°79'N±1.6, 146°35'E, h82km±1km, mb4.4/9, Error ellipse: s-maj=5.5km s-min=3.3km az=145.8

NEIC 04 02:37:47.2±0.2, 43°83'N±1.6, 146°32'E, mb4.5/50, Error ellipse: s-maj=6.0km s-min=3.4km az=153.0

NEIC Recorded (2 JMA) in eastern Hokkaido. JMA 04 02:37:48.2±0.1, 43°71'N±1.6, 146°43'E, h79km±2km, M4.0

JMA Felt II JI. SKHL 04 02:37:48.2±0.4, 43°74'N±1.6, 146°37'E, h87km±2km, mb5.9/6, msh6.8/6

SKHL Felt (III) at Yushno-Kuril'sk; felt (II-III) at Malokuril'skoye. IDC 04 02:37:49.6±2.1, 43°89'N±1.6, 146°25'E, h97km±17km, mb4.0/29, mb1.4/33, mb1mx4.0/67, mbtmp4.2/33, MS2.6/7

MS1 2.6/7, ms1mx2.4/69, Error ellipse: s-maj=14.6km s-min=10.7km az=157.0

ISC 04 02:37:47.4±0.5, 43°80'N±1.6, 146°37'E±0.03, h80km±4km, n261, c1816/292, mb4.4/94, 18C-8D, Kuril Islands

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

4d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like YUK, LAGR, GRPR, GLVR, NEM2, etc.

SKO 04 03:13:23.3, 40.78N-21.39E, h15km, M2.2, ML2.6
ATH 04 03:13:25.9, 40.78N-21.39E, h10km, ML2.6/4, Error ellipse: s-maj=2.5km s-min=1.1km az=328.0

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Main table with columns for station name, frequency, power, and other technical details. Includes stations like FNA, BIA, NEST, KRUS, etc.

BJI 04 03:15:22.8, 41.24S x 152.90E, h29km, mb4.8/22, mb4.9/14, Ms4.3/6, Ms7.4/6

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

ASAJ comp=Z,45nm,21.3s,baz=176,slow=32

Table with columns: IASJ, Asahikawa, 48.98 350 eP, P, 03 24 11.9 +3.4, etc. Includes stations like RAR, WHN, CN2, GYA, etc.

Table with columns: BR10, Keskin Array B, 114.90 312 ePKIP, PKPdf, 03 34 03.5 +0.3, etc. Includes stations like HFS, TKL, VSA, etc.

Table with columns: NEIC 04 00:05.8, 0.0, 48.65N-123.13W, h14km, ML2.4(OTT), etc. Includes stations like SNTB, SNNB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRW Wanaetee Ridg, BTB Buttle Lake, R941 Kapowain, etc.

NNC 04 04:18:41.3,3.0,36.184N-70.88E,h197km,50km,mb2.6, mpv3.5, Error ellipse: s-maj=42.2km s-min=24.4km az=67.0

ISC 04 04:18:31.7,1.2,36.272N,0.070-70.7E,0.1,h110km,n12, c#368/20,6C-6D,Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, DHRM DHARAMSHALA, MNAS Manas, etc.

ISC/BJ 04 04:24:50.3,0.2,32.745S,0.03:179.07W,0.06,h50km, mb4.7/32,MS3.7/28, Error ellipse: s-maj=7.8km s-min=2.7km az=25.5

IDC 04 04:24:51.0,2.4,32.575S,179.00W,h49km,21km,mb4.3/14, mb1.4/4/16,mb1mx2.2/42,mb1mp4.5/16,ML4.8/2,MS3.7/29, Ms1.3/729,ms1mx3.6/42, Error ellipse: s-maj=18.5km s-min=15.3km az=104.0

NEIC 04 04:24:52.0,1.0,32.635S,179.08W,h56km,93km,mb4.8/23, Error ellipse: s-maj=11.9km s-min=8.4km az=135.0

WEL 04 04:24:52.0,32.635S,179.08W,h56km,ML5.7/10

ISC 04 04:24:52.0,4.32,32.715S,0.05:178.79W,0.08,h61km,n195,c#1994/182,mb4.8/32,2C,South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, RAO Raoul Island, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, WMGZ Waionatani S, HAZ Te Kaha, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VNDA Vanda, VNDA Vanda, FITZ Fitzroy Crossi, etc.

4d 5h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like MOKO, AZL, SHL, etc.

NNC 04 05:31:18.84;3, 37.15N;70.55E, h0km, mb3.7, mpv3.4, 3C-4D, Error ellipse: s-maj=32.7km s-min=28.9km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like SFK, MNAS, KK31, etc.

BUI 04 05:38:51.7;2.30S;100.78E, h50km, mb4.8/16, mB4.9/10, Ms4.2/4, Ms7 4/0.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

ISC 04 05:38:52.0,5, 2.25S;100.04;100.83E;0.05, h74km, 5km, mb4.5/31, Error ellipse: s-maj=9.0km s-min=5.6km az=135.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

NEIC 04 05:38:52.0,6, 2.30S;100.77E, h63km, 6km, mb4.7/10, Error ellipse: s-maj=9.5km s-min=4.7km az=58.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

DJA 04 05:38:53.1;0.5, 2.25S;101.1E;1, h58km, 26km, M4.5/9, mb4.2/22, ML14;7/9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

IDC 04 05:38:58.7;3.0, 2.13S;101.00E, h112km, 25km, mb3.9/18, mb1 4.0/18, mb1mx3.8/60, mbmp4.3/18, MS3.4/4, Ms1 3.4/4, ms1mx2.8/53, Error ellipse: s-maj=26.6km s-min=9.8km az=50.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

ISC 04 05:38:53.7,0.9, 2.33S;100.05;100.73E;0.05, h78km, 8km, n89, e178/98, mb4.5/31, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like JOW, HHC, HHC, etc.

NNC 04 05:31:18.84;3, 37.15N;70.55E, h0km, mb3.7, mpv3.4, 3C-4D, Error ellipse: s-maj=32.7km s-min=28.9km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like SFK, MNAS, KK31, etc.

BUI 04 05:38:51.7;2.30S;100.78E, h50km, mb4.8/16, mB4.9/10, Ms4.2/4, Ms7 4/0.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

ISC 04 05:38:52.0,5, 2.25S;100.04;100.83E;0.05, h74km, 5km, mb4.5/31, Error ellipse: s-maj=9.0km s-min=5.6km az=135.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

NEIC 04 05:38:52.0,6, 2.30S;100.77E, h63km, 6km, mb4.7/10, Error ellipse: s-maj=9.5km s-min=4.7km az=58.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

DJA 04 05:38:53.1;0.5, 2.25S;101.1E;1, h58km, 26km, M4.5/9, mb4.2/22, ML14;7/9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

IDC 04 05:38:58.7;3.0, 2.13S;101.00E, h112km, 25km, mb3.9/18, mb1 4.0/18, mb1mx3.8/60, mbmp4.3/18, MS3.4/4, Ms1 3.4/4, ms1mx2.8/53, Error ellipse: s-maj=26.6km s-min=9.8km az=50.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

ISC 04 05:38:53.7,0.9, 2.33S;100.05;100.73E;0.05, h78km, 8km, n89, e178/98, mb4.5/31, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like JHJ, JH2, MJAR, etc.

NNC 04 05:31:18.84;3, 37.15N;70.55E, h0km, mb3.7, mpv3.4, 3C-4D, Error ellipse: s-maj=32.7km s-min=28.9km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like SFK, MNAS, KK31, etc.

BUI 04 05:38:51.7;2.30S;100.78E, h50km, mb4.8/16, mB4.9/10, Ms4.2/4, Ms7 4/0.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

ISC 04 05:38:52.0,5, 2.25S;100.04;100.83E;0.05, h74km, 5km, mb4.5/31, Error ellipse: s-maj=9.0km s-min=5.6km az=135.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

NEIC 04 05:38:52.0,6, 2.30S;100.77E, h63km, 6km, mb4.7/10, Error ellipse: s-maj=9.5km s-min=4.7km az=58.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

DJA 04 05:38:53.1;0.5, 2.25S;101.1E;1, h58km, 26km, M4.5/9, mb4.2/22, ML14;7/9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

IDC 04 05:38:58.7;3.0, 2.13S;101.00E, h112km, 25km, mb3.9/18, mb1 4.0/18, mb1mx3.8/60, mbmp4.3/18, MS3.4/4, Ms1 3.4/4, ms1mx2.8/53, Error ellipse: s-maj=26.6km s-min=9.8km az=50.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

ISC 04 05:38:53.7,0.9, 2.33S;100.05;100.73E;0.05, h78km, 8km, n89, e178/98, mb4.5/31, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like PPSI, SISI, BKNI, etc.

NIED 04 05:53:00; 34.90N;140.00E, h53km, Mw4.0 Best double couple: Mo1.15000;1015 NP1;0.23.00000; 0.31.00000; 1.52.00000; NP2;0.245.00000; 0.66.00000; 1.10.00000; ISC JB 04 05:53:22.0,3, 34.72N;139.99E;0.04, h68km, 2km, mb4.2/16, Error ellipse: s-maj=6.3km s-min=4.1km az=153.0

JMA 04 05:53:22.6;0.1, 34.94N;139.97E, h65km, 2km, M3.6 Broadband fault plane solution: P waves. NP1: e=249.00000; 360.00000; 1.06.00000; NP2: 0.29.00000; 0.30.00000; 0.00.00000; Principal axes: T P164.0000; Azm189.0000; N P19.0000; Azm9.0000; JMA Fell 1.1

NEIC 04 05:53:24.0;0.8, 34.82N;139.85E, h64km, 7km, mb4.4/6 Error ellipse: s-maj=15.1km s-min=6.2km az=67.0

IDC 04 05:53:25.6;1.1, 34.80N;139.54E, h71km, 7km, mb3.9/10, mb1 4.0/11, mb1mx3.5/62, mbmp4.2/11, MS3.1/7, Ms1 3.1/7, ms1mx2.7/62, Error ellipse: s-maj=30.4km s-min=5.1km az=71.0

ISC 04 05:53:23.4;0.7, 34.89N;139.97E;0.04, h57km, 6km, n65, e197/73, mb4.4/16, MS3.2/5, 6C-6D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like TATJ, Boso, KTR, etc.

ATH 04 05:57:59.0, 34.78N;24.74E, h25km, 4km, ML2.6/4, Error ellipse: s-maj=5.0km s-min=1.3km az=355.0

ISC JB 04 05:57:59.4;1.1, 34.76N;102.74E;0.04, h23km, 15km, Error ellipse: s-maj=11.4km s-min=5.5km az=170.9

THE 04 05:57:59.6, 34.78N;24.71E, h19km, 1km, ML2.5/5, Error ellipse: s-maj=1.4km s-min=0.5km az=18.0

CSEM 04 05:57:59.1;0.2, 34.76N;24.74E;0.04, h18km, 1km, ML2.6, Error ellipse: s-maj=5.5km s-min=2.5km az=172.0

ISC 04 05:57:58.4;1.3, 34.73N;102.72E;0.03, h22km, 3km, n23, e45/43, Crete

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, P, H, M, S, Res. Includes stations like SIVA, SIVA, SIVA, etc.

Table with columns: VAM, VAMOS, NPS, NPS, IMMV, IMMV, IMMV, IMMV. Includes station names like VAMOS, NEAPOLIS, IERA MONI META and various numerical data.

NIED 04 06:03:00, 36.70N, 141.00E, h53km, Mw3.9 Best double couple: Mb9: 1.1000e-014, P1: 1.209 00000, 323.00000, 1.107.00009, P2: 1.10000e-014, P1: 1.209 00000, 323.00000, 1.83.00000, 1.95.00000.

ISCJ 04 06:03:23.6, 0.5, 36.64N, 140.99E, 0.06, h52km, 3km, mb4.0/20, MS2.7/2. Error ellipse: s-maj=7.9km s-min=4.5km az=18.7

JMA 04 06:03:24.6, 0.1, 36.61N, 140.166E, h96km, 15km, mb3.7/19, mb1.3/8/21, mb1mx3.7/65, mbmp4.0/21, MS2.7/3, Ms1.2/7.3, ms1mx2.3/61. Error ellipse: s-maj=16.0km s-min=14.3km az=108.0

ISC 04 06:03:24.5-1.0, 36.55N, 140.44E, h102km, 8km, n44, r12/50, mb4.0/20, Near east coast of eastern Honshu

Main station list table for the left column. Columns include Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JHO Hitachi, JHU Hitachinakyam, JHYU Iwakimizuishiy, etc.

ISCJ 04 06:19:58.0, 0.5, 37.15N, 142.56E, 0.04, h9km, mb3.9/14, MS2.9/1. Error ellipse: s-maj=5.6km s-min=4.7km az=137.4

IDC 04 06:19:58.0, 0.8, 37.10N, 142.53E, h0km, mb3.9/12, mb1.4/0.7, mb1mx3.8/68, mbmp3.9/17, ML3.9/3, MS2.8/4, Ms1.2/8.4, ms1mx2.4/64. Error ellipse: s-maj=18.4km s-min=15.4km az=117.0

NIED 04 06:20:00, 37.10N, 142.40E, h20km, Mw3.8 Best double couple: Mb4: 0.8910e-014, P1: 1.209 00000, 323.00000, 1.95.00000, NP2: 2.24.00000, 867.00000, 1.88.00000.

JMA 04 06:20:00.2, 0.3, 37.14N, 142.43E, h20km, 4km, M4.0, NEIC 04 06:20:03.8, 1.0, 37.13N, 142.54E, h35km, 8km, mb4.2/2, Error ellipse: s-maj=9.9km s-min=7.2km az=103.0

ISC 04 06:20:00.5-0.7, 37.14N, 142.51E, 0.06, h9km, n53, r1866/54, mb3.9/14, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like ONAJ Iwakimizuishiy, JMM Marumori, etc.

Main station list table for the middle column. Columns include Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JAG Ashikaga, JAG Matushiro Arr, MJAR Matushiro, etc.

IDC 04 06:51:12.3, 1.3, 56.32S, 146.74E, h0km, mb3.8/5, mb1.4/0.5, mb1mx3.8/38, mbmp3.8/5, MS3.1/6, Ms1.3/5/16, ms1mx3.3/35. Error ellipse: s-maj=106.6km s-min=19.3km az=82.0

ISC 04 06:51:13.7, 1.2, 56.33S, 146.8E, 0.7, h10km, n30, r0566/11, mb3.8/5, MS3.5/15, West of Macquarie Island

Main station list table for the middle column. Columns include Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like RPZ Rata Peaks, VNA Vanda, STKA Stephens Creek, etc.

IDC 04 07:03:16.9, 1.9, 38.06S, 73.51W, h0km, mb3.4/4,

Main station list table for the right column. Columns include Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like mb1 3.6/5, mb1mx3.4/34, mbtp3.3/5, etc.

IDC 04 07:06:14.1, 1.5, 15.57N, 122.47E, h0km, mb3.6/3, mb1.3/8.4, mb1mx3.3/62, mbmp3.7/4, ML4.3/1, Error ellipse: s-maj=36.3km s-min=24.8km az=89.0

Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like TGY Tagaytay City, TGY TGY, SONM Songoing Array, etc.

CSEM 04 07:16:24.3, 0.1, 40.43N, 21.86E, h2km, ML1.5, Error ellipse: s-maj=3.1km s-min=2.1km az=28.0, Suspected Mining explosion.

THE 04 07:16:24.5, 40.43N, 21.88E, h2km, 23km, ML1.5/4, Error ellipse: s-maj=23.0km s-min=0.5km az=0.0

ATH 04 07:16:24.4, 40.42N, 21.85E, h1km, 6km, ML0.0, Error ellipse: s-maj=6.7km s-min=1.4km az=191.0, Suspected Mining explosion, Greece

Main station list table for the right column. Columns include Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KZN Kozani, KZN Kozani, KZN Kozani, etc.

4d 7h

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Table with columns: NEST, GRG, THL, HORT, HORT, STIP, AGG, comp=E, 75m, 0.4s. Includes station names like Nestorio, Griva, Klokotos Trika, etc.

CRAAG 04 07:44:16.0, 34.96N, 2.98W, M14.0
SF5 04 07:44:16.0, 34.90N, 3.03W, h0km, ML4.4
CNRM 04 07:44:16.2, 34.92N, 2.95W, h2km, ML4.4

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like MELI, EMEL, EMLI, etc.

Main table with columns: EMIN, AFON, AFON, EBEN2, EBEN2, EGRO, EGRO, EGRO, PBDV, PBDV, PBDV, PAB, PAB, ESDC, ESDC, PCVE, PCVE, PCVE, ECHC, ECHC, ECHC, EBAD, EBAD, EBAD, MESJ, MESJ, MESJ, MORF, MORF, MORF, PFVI, PFVI, PFVI, EIBI, EIBI, EIBI, PESTR, PESTR, PESTR, EVO, EVO, EVO, EPLA, EPLA, EPLA, PMRV, PMRV, PMRV, EMOS, EMOS, EMOS, PMTG, PMTG, PMTG, EMIN, EMIN, EMIN, ETOR, ETOR, ETOR

Main table with columns: ETOR, ETOR, PCBR, PCBR, PCBR, PCBR, PCBR, ALMR, ALMR, ALMR, ALMR, PMST, PMST, PTOM, PTOM, PTOM, PMAFR, PMAFR, PMAFR, MTE, MTE, MTE, MTE, MTE, COI, COI, COI, COI, PVIS, PVIS, PVIS, PVIS, MVO, MVO, MVO, MVO, EPOB, EPOB, EPOB, PVRL, PVRL, PVRL, POLO, POLO, POLO, PBRG, PBRG, PBRG, PBRG, PBRG, PTO, PTO, PTO, EMIR, EMIR, EMIR, PCAB, PCAB, PCAB, PCAB, ELOB, ELOB, ELOB, IELO, IELO, IELO, CFON, CFON, CFON, EORO, EORO, EORO, CSOR, CSOR, CSOR, CSOR, ECHI, ECHI, ECHI, PGAV, PGAV, PGAV, ETSF, ETSF, ETSF, ETSF, ETSF, SJPJ, SJPJ, SJPJ, SJPJ, SJPJ, ELAN, ELAN, ELAN, EALK, EALK, EALK, EALK, EPF, EPF, EPF, EPF

Table with columns: EPF, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like Esparros, Arriondas, Agolada/Pontev, etc.

KRAR 04 07:44:33.0-0.2, 53.75N-91.00E, M2.9, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014) NNC 04 07:44:35.5-0.3, 53.77N-90.64E, h0km, mb4.1, mvp3.8, Error ellipse: s-maj=22.2km s-min=17.4km az=56.0, Suspected Mining explosion. IDC 04 07:44:37.0-0.2, 53.54N-90.73E, h0km, mb1.3, 4/3, mb1mx3.1/81, mbtmp3.4/3, ML2.8/3, 10C-2D, Error ellipse: s-maj=27.7km s-min=23.0km az=53.0, Southwestern Siberia

Main station list table with columns: Code, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like ZALEVOVO INFRA, ZALVOVO ARRAY, ZALVOVO BEAM, etc.

IDC 04 07:55:23.0-0.5, 15.25S-173.33W, h0km, mb3.79, mb3.1, 4/0, mb1mx3.8/49, mbtmp3.8/10, ML4.5/1, MS2.8/3, Ms1 2.8/3, ms1mx2.4/49, Error ellipse: s-maj=48.5km s-min=16.0km az=142.0, ISCJB 04 07:55:27.0-0.7, 15.25S-0.2-173.4W-0.2, h35km, mb3.6/9, MS3.1/2, Error ellipse: s-maj=38.0km s-min=12.2km az=140.4, ISC 04 07:55:28.3-0.8, 15.25S-0.3-173.2W-0.2, h35km, n15, +1892/4, mb3.7/9, Tonga Islands

Main station list table with columns: Code, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like AFi Afiamalu, URZ Ureweira, STKA Stephens Creek, etc.

ISCJB 04 08:13:10.9-0.3, 33.75S-0.03-70.50W, 0.05, h105km, 3km, mb3.8/8, Error ellipse: s-maj=8.0km s-min=4.7km az=29.4 IDC 04 08:13:10.7-0.3, 33.68S-70.24W, h90km, 28km, mb3.6/8, mb1.3/6/12, mb1mx3.5/33, mbtmp3.8/12, Error ellipse: s-maj=30.8km s-min=15.2km az=96.0 GUC 04 08:13:11.0-0.7, 33.72S-70.44W, h104km, 5km, ML4.1 SJA 04 08:13:11.0-0.5, 33.78S-70.45W, h79km, 2km, ML3.3, MW4.1 ISC 04 08:13:11.4-0.6, 33.74S-0.04-70.47W, 0.05, h98km, 5km, n39, +096/54, mb3.9/8, 5C-1D, Chile-Antofagasta border region

Main station list table with columns: Code, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like ANTU Antumapu, LMEI Las Melosas, CLCH Cerro Calan, etc.

Main station list table with columns: Code, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like AAGR Agrelo, ARCO CERRO ARCO, AVIZ Hualaeso, etc.

GUC 04 08:33:05.7-1.1, 38.04S-73.29W, h33km, 7km, ML5.2, GCMT 04 08:33:05.0-0.3, 38.09S-73.31W, h45km, 1km, MW5.1/64, Moment Tensor Solution: m63, c74, m64, c93, Duration: 0 Moment tensor: Scale 10Nm; Mw: 5.2; 2.2; Mw-0.30: 1.4; Mw-4.2: 1.4; Mw-0.5: 1.1; Mw-0.5: 1.0; Mw-3.4: 1.5; Best double couple: M5.6200x10^16 NP1: 183.00000, 864.00000, 9.98.00000; NP2: 63.344.00000, 827.00000, 7.73.00000. Principal axes: T 5.7860, Plg70.0000, Azm110.0000; N -0.3670, Plg8.0000, Azm359.0000; P -5.4180, Plg19.0000. Azm266.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. NEIC 04 08:33:05.0-0.0, 38.04S-73.29W, h33km, mb4.7/184, ML5.2(GUC), After GUC. NEIC Feil [V] at Angol, Collipulli, Curcauta, Lautaro, Nueva Imperial, Padre Las Casas, Genico and Tenorio, [IV] at Canete, Carahue, Cholochol, Curcauta, La Laja, Lebu, Los Angeles, Nacimiento, Negrete, Puerto Saavedra and San Rosendo; [III] at Arauco, Chiguayante, Concepcion, Mulchen, San Pedro de la Paz, Talcahuano, Tirua and Yumbel.

MOS 04 08:33:06.3-1.1, 37.95S-72.93W, h33km, mb4.8/30, Error ellipse: s-maj=14.4km s-min=6.8km az=98.9 SJA 04 08:33:06.0-0.6, 37.92S-72.66W, h30km, ML4.7, MW5.4 IDC 04 08:33:07.0-0.4, 37.98S-72.80W, h37km, 3km, mb4.5/20, mb1.4/6/22, mb1mx4.5/36, mbtmp4.7/22, ML4.8/2, MS4.4/20, Ms1 4.3/20, ms1mx1.4/230, Error ellipse: s-maj=17.0km s-min=9.8km az=96.0 ISCJB 04 08:33:07.0-0.5, 37.90S-0.03-72.69W, 0.06, h50km, 4km, mb4.7/195, MS4.5/22, Error ellipse: s-maj=8.1km s-min=4.3km az=172.0 ISC 04 08:33:08.0-0.3, 38.00S-0.03-72.92W, 0.06, h31km, 2km, h31km; pp-P, n774, +1915/826, mb4.7/195, MS4.4/22, 5C-6D, Central Chile

Main station list table with columns: Code, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like TMU Temuco, CCSP San Pedro de C, CCHI Chillan, etc.

Main station list table with columns: Code, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like PLCA Paso Flores, PLCA Cerro Villicu, PLCA Cerro Villicu, etc.

Main station list table with columns: Code, Station Name, Az, El, SNR, P, S, Time, Res. Includes stations like CPUP Villa Florida, CPUP Villa Florida, MNMC Minye Minye, etc.

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Table with columns: ID, Name, Address, Phone, Email, Website, etc. Includes entries like Fenwick Farm, Barren Site, Graceland, Tucson, Rosedale, Cable, etc.

Table with columns: ID, Name, Address, Phone, Email, Website, etc. Includes entries like Oliver, Polo, Oliver, Polo, Gain Prairie, Great Sand Dun, etc.

Table with columns: ID, Name, Address, Phone, Email, Website, etc. Includes entries like Kanab, Seneca, Seneca, Alfred, Buz Lake, Pembroke, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like E40A Wakefield, E39A Mellen, G33A Ortonville, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MFID Camas Ranch, MCMT McKenzie Canyon, ULM Lac du Bonnet, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ASAJ OTUK Ortay, OTUK Ortay, MNAS Manas, etc.

NDI 04 08:37:31.2, 2.6, 33.78N; 75:21E, h41km, 971km, ML3.7
IDC 04 08:37:36.1, 0.9, 33.44N; 76:10E, h0km, mb3.8/9,
mb1 4.0/13, mb1mx3.7/72, mbtmp3.8/13, ML3.7/3, Error
ellipse: s-maj=28.9km s-min=15.5km az=62.0
ISCJB 04 08:37:10.4, 3.3, 28N; 0:04:75.6E; 0.1, h33km, mb3.7/9,
Error ellipse: s-maj=12.8km s-min=3.3km az=161.9
NNC 04 08:37:43.1, 3.4, 33.58N; 75:03E, h0km, mb3.8, mpv3.8,
Error ellipse: s-maj=32.6km s-min=24.6km az=81.0
ISC 04 08:37:40.5, 0.6, 33.11N; 0:05:75.1E; 0.1, h35km, n26,
-2525/34, mb3.8/9, 3C-2Z, Eastern Kashmir

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DHRM DHARAMSHALA, DHRM Dharamshala, SMLA Simla, etc.

Table with columns: Name, Frequency, Mode, Band, and other parameters. Includes stations like FETA, DOPR, PSZ, MOTA, etc.

Table with columns: Name, Frequency, Mode, Band, and other parameters. Includes stations like ECH, QJC, OJC, etc.

Table with columns: Name, Frequency, Mode, Band, and other parameters. Includes stations like VSR, AKH, AKH, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Date/Time, and other parameters. Includes stations like ZALV Zalesovo Beam, KRAR Krasnoyarsk, WMQ WMO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Date/Time, and other parameters. Includes stations like YSS Yuzh-Sakhalins, PETK Petropavlovsk, GCMT Greyfriil, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Date/Time, and other parameters. Includes stations like GBRS Gornja Briga, KNDS Knezdol, BOJS Bojanci, etc.

Table with 5 columns: DURS, Dursunbey, 1.48 110, i P, Pg, 12 10 19.0, -0.5

MEX 04 12:25:30.9, 0.4, 16.36N, 98.29W, h11km, 2km, MD3.7, Near coast of Guerrero

IDC 04 12:35:38.8, 0.6, 10.23N, 122.39E, h0km, mb4.0/16, mb1.4, 1/17, mb1mx3.9/64, mbtmp4.0/17, ML4.3/1, MS2.8/3, Ms1.2/8/3, ms1mx2.5/64, Error ellipse: s-maj=29.4km s-min=12.4km az=75.0

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

MEX 04 12:57:37.5, 0.6, 16.48N, 98.53W, h16km, 8km, MD3.6, Near coast of Guerrero

IDC 04 13:00:58.2, 0.4, 11.33N, 126.26E, h0km, mb4.6/45, mb1.4, 6/46, mb1mx4.5/60, mbtmp4.6/46, ML4.1/2, MS4.1/33, Ms1.4/3/3, ms1mx3.9/63, Error ellipse: s-maj=14.1km s-min=7.8km az=84.0

IDC 04 13:01:02.9, 1.1, 41.33N, 126.28E, h46km, mb4.8/44, mb5.0/35, Ms4.6/38, Ms7.4/5/24

IDC 04 13:01:06.0, 0.5, 12.11N, 126.32E, h0km, mb5.1/31, mb5.2/10, MbW4.9/75, Moment Tensor Solution: s1, c1, a1 = .575, c103; Duration: 0. Moment tensor: Scale 10^16Nm; M1: 2.38; 20; M2: 0.06; 10; M3: -2.44; 14; M4: -0.90; 27; M5: 0.40; 07; M6: 1.08; 24; Best double couple: M2: 82000; 1016

IDC 04 13:01:04.5, 0.7, 11.39N, 103.126E, h0km, mb4.1km, 2km, MD3.5, n254, s181/247, mb4.7/105, MS4.1/34, 12C-11D, NPHISIA Islands region

IDC 04 12:41:38.8, 0.6, 44.32N, 0.05, 141.06E, 0.08, h248km, 4km, mb3.4/3, Error ellipse: s-maj=9.5km s-min=7.7km az=16.0

JMA 04 12:41:38.6, 0.2, 44.36N, 141.03E, h252km, 2km, M3.1 IDC 04 12:41:39.3, 1.0, 44.22N, 140.69E, h226km, 2km, mb3.1/3,

mb1.3/2.5, mb1mx2.8/68, mbtmp3.5/5, Error ellipse: s-maj=34.8km s-min=19.8km az=27.0

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

IDC 04 12:41:38.8, 1.1, 44.30N, 0.06, 141.07E, 0.07, h245km, 7km, n26, e0594/43, mb3.4/3, Hokkaido region

IDC 04 12:35:43.4, 1.0, 49N, 122.34E, h30km, mb4.6, ML3.5, MS3.4

IDC 04 12:35:44.1, 0.6, 10.23N, 122.44E, h39km, 6km, mb4.5/7, Error ellipse: s-maj=6.5km s-min=3.6km az=73.0

IDC 04 13:00:58.2, 0.4, 11.33N, 126.26E, h0km, mb4.6/45, mb1.4, 6/46, mb1mx4.5/60, mbtmp4.6/46, ML4.1/2, MS4.1/33, Ms1.4/3/3, ms1mx3.9/63, Error ellipse: s-maj=14.1km s-min=7.8km az=84.0

IDC 04 13:01:02.9, 1.1, 41.33N, 126.28E, h46km, mb4.8/44, mb5.0/35, Ms4.6/38, Ms7.4/5/24

IDC 04 13:01:06.0, 0.5, 12.11N, 126.32E, h0km, mb5.1/31, mb5.2/10, MbW4.9/75, Moment Tensor Solution: s1, c1, a1 = .575, c103; Duration: 0. Moment tensor: Scale 10^16Nm; M1: 2.38; 20; M2: 0.06; 10; M3: -2.44; 14; M4: -0.90; 27; M5: 0.40; 07; M6: 1.08; 24; Best double couple: M2: 82000; 1016

IDC 04 13:01:04.5, 0.7, 11.39N, 103.126E, h0km, mb4.1km, 2km, MD3.5, n254, s181/247, mb4.7/105, MS4.1/34, 12C-11D, NPHISIA Islands region

IDC 04 12:41:38.8, 0.6, 44.32N, 0.05, 141.06E, 0.08, h248km, 4km, mb3.4/3, Error ellipse: s-maj=9.5km s-min=7.7km az=16.0

JMA 04 12:41:38.6, 0.2, 44.36N, 141.03E, h252km, 2km, M3.1 IDC 04 12:41:39.3, 1.0, 44.22N, 140.69E, h226km, 2km, mb3.1/3,

ABRA Dolores 8.20 320 eP Pn 13 03 16 +0.6

BATP Bataraza 8.69 254 eP Pn 13 03 12 +5.1

TNTI Tatarata 10.61 174 eP Pn 13 03 38 +4.3

MPSI Mapaga 12.65 210 eP Pn 13 04 06 +4.0

LUWI Luwuk 12.82 196 eP Pn 13 04 07 +3.4

TPUB Tuluw 12.99 266 eP Pn 13 04 05 +0.7

YHNB Yeheng 13.99 346 eP Pn 13 04 21 +0.9

QZH Quanzhou 15.30 333 iP Pn 13 04 38 +0.5

QZH comp=N,790nm,14.2s LR LR

QZH comp=E,320nm,10.4s LR LR

QZH comp=Z,890nm,15.2s LR LR

QZH comp=Z,250nm,5.1s LR LR

QZH comp=N,460nm,12.8s LR LR

QZH comp=E,750nm,16.7s LR LR

QZH comp=Z,940nm,16.7s LR LR

BKSI Bulukumba 17.68 200 P P 13 05 08 +0.1

BKSI 25nm,1.1s,41.4nm pP pP 13 05 19 +5.1

GUMO Guam 18.33 81 LR LR 13 11 32.1

GENI Genyem 19.63 314 P Pn 13 05 31.0 -0.4

SAUJ Saunaki 19.90 165 pP pP 13 05 34.0 -0.2

PBKI Pangkajene 20.14 227 P P 13 05 33.8 -1.6

SSE Seshelan 20.16 347 P Pn 13 05 48.1 +1.1

SSE comp=Z,47nm,1.1s pmax pmax 13 09 22.7 -0.8

SSE comp=Z,88nm,3.5s LR LR

SSE comp=N,310nm,15.7s LR LR

SSE comp=E,180nm,12.3s LR LR

MMRI Maumere 20.29 191 P Pn 13 05 39.6 +0.5

UBPT Khong Chiam 20.56 283 P Pn 13 05 42.3 -0.1

SOEI Soe 21.10 185 P P 13 05 48.2 +2.4

BATI Baunata 21.61 187 P P 13 05 50.7 -0.5

BATI comp=E,50nm,0.6s, baz=22, slow=7.4, SNR=5.8 S 13 09 49.2 +0.8

BATI comp=E,21nm,0.7s, baz=112, slow=19, SNR=2.1 LR LR 13 14 58.4

CBJ Chichijima 21.66 42 P P 13 05 52.5 +0.8

JCJ Chichijima 21.66 42 P P 13 05 52.5 +0.8

PLAI Plampang 21.77 203 P P 13 05 52.4 -0.4

JNU Nakatusu 22.05 10 P P 13 05 55.4 -0.4

JNU comp=E,8.1nm,0.8s, baz=209, slow=10, SNR=4.2 LR LR 13 15 29.2

JNU comp=E,409nm,18.4s, baz=125, slow=39 LR LR 13 15 29.2

TWSI Taliwang, Sumb 22.05 205 P P 13 05 56.4 +0.5

SKNT Sakolnakorn 22.26 287 P P 13 05 59.0 +0.8

JAGI Jajaja Banyu 23.20 212 P P 13 06 08.2 +1.2

NONG Nongkai 23.27 289 P P 13 06 07.0 -1.7

ENGI Ngawi 23.73 219 P P 13 06 14.3 +1.2

ENH Enshi 24.39 323 eP P 13 06 18.4 -0.6

WJW Wonogiri, Jawa 24.43 219 P P 13 06 19.2 -0.3

HJH Hachioji jima 2 24.95 28 P P 13 06 23.7 -0.4

HJH comp=E,52nm,0.8s, baz=88, slow=11, SNR=2.0 LR LR 13 16 31.7

HJH comp=E,565nm,18.5s, baz=148, slow=37 LR LR 13 16 31.7

PBKT Sadao Png 25.03 285 P P 13 06 24.6 -0.4

NANT Nan 25.70 290 P P 13 06 29.6 -1.5

LEM Lembang 25.99 227 P P 13 06 33.1 +0.1

KSAR Wonju Array Be 25.98 3 P P 13 06 34.5 +1.2

KSRS Korea Array 26.00 3 P P 13 06 34.5 +1.1

KSRS comp=E,6.9nm,1.0s, baz=183, slow=11, SNR=1.9 LR LR 13 17 08.4

KSRS comp=Z,466nm,18.9s, baz=172, slow=37 LR LR 13 17 08.4

KS01 Wonju Array SAI 26.02 3 eP P 13 06 30.0 -3.7

TIA Tai'an 26.05 343 P P 13 06 44.5 +10

TIA comp=Z,12nm,1.0s pmax pmax

TIA comp=Z,2.12nm,1.0s pmax pmax

TIA comp=Z,7.0nm,0.6s pmax pmax

SBJ Serang 26.51 230 P P 13 06 38.6 +2.0

CM01 Chiang Mai Arr 27.24 288 eP P 13 06 42.6 -2.4

CM31 Chiang Mai Arr 27.26 288 eP P 13 06 42.9 -2.3

CMAR Chiang Mai Arr 27.27 288 eP P 13 06 44.5 -0.7

CMAR comp=Z,1.1nm,0.8s, baz=100, slow=7, SNR=5.2 P P 13 10 05.3 +0.8

CMAR comp=Z,0.9nm,0.9s, baz=50, slow=5.5, SNR=4.3 P P 13 13 44.0 +2.3

CMAR comp=Z,0.8nm,0.8s, baz=59, slow=1.5, SNR=5.4 LR LR 13 16 31.0

CMAR comp=Z,245nm,21.1s, baz=110, slow=34 LR LR 13 16 31.0

CMAR comp=Z,2.1nm,0.7s, baz=199, slow=10, SNR=8.7 LR LR 13 17 49.3

MJAR comp=Z,863nm,18.4s, baz=210, slow=37 LR LR 13 17 49.3

CMMT Chiang Mai 27.33 289 P P 13 06 44.6 -1.2

CMMT comp=Z,1.3nm,1.3s, comp=Z,415nm LR LR 13 06 43.6 -2.2

CHTO Chiang Mai 27.33 289 eP P 13 06 44.7 -1.1

CHTO comp=Z,60nm,1.3s LR LR 13 06 46.8 -0.6

CMAI Chiangmai2 27.48 291 P P 13 06 46.8 -0.6

PSI comp=Z,6.3nm,1.0s, comp=Z,260nm LR LR 13 06 54.7 -0.6

PSI comp=Z,3.8nm,0.3s, baz=187, slow=0.7, SNR=3.3 P P 13 07 04.6 +3.2

TIY Taiyuan 28.98 337 eP P 13 07 16.8 -0.6

TIY comp=Z,120nm,3.7s LR LR 13 07 16.8 -0.6

TIY comp=Z,670nm,18.0s LR LR 13 07 16.8 -0.6

TIY comp=Z,220nm,11.7s LR LR 13 07 16.8 -0.6

TIY comp=Z,420nm,12.4s LR LR 13 07 16.8 -0.6

KCSI Kotaaceh 29.26 251 P P 13 06 58.5 -4.5

FITZ Fitzroy Crossi 29.31 181 P P 13 07 01.4 -1.8

CMAR comp=Z,6.9nm,1.1s, baz=35.6, slow=8.4, SNR=5.7 P P 13 07 27.7 +1.9

LZH Lanzhou 31.84 324 eP P 13 07 38.3 +1.2

LZH comp=Z,2.9nm,1.1s pP pP 13 07 44.1 +2.1

LZH comp=Z,2.9nm,1.1s, baz=187, slow=0.7, SNR=3.3 pP pP 13 08 38.0 -0.3

LZH comp=Z,2.9nm,1.1s, baz=187, slow=0.7, SNR=3.3 S S 13 12 38.2 +4.4

LZH comp=Z,31nm,1.1s pmax pmax

LZH comp=Z,130nm,1.3s pmax pmax

LZH comp=Z,1.1um,13.0s LR LR 13 07 44.1 +2.1

LZH comp=Z,1.1um,14.1s LR LR 13 07 44.1 +2.1

LZH comp=Z,1.1um,14.1s LR LR 13 07 44.1 +2.1

LZH comp=Z,1.1um,14.1s LR LR 13 07 44.1 +2.1

WRA Warramunga Arr 32.14 166 P P 13 07 26.1 -2.2

WRA comp=Z,3.3nm,0.6s, baz=346, slow=9.4, SNR=19 LR LR 13 07 26.1 -2.2

4rd 13h

Table with columns: WRA, comp-Z, P, S, P, 13 10 17.6 +0.7, etc. Lists various stations and their coordinates and status.

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Table with columns: GYA0B, ALIBECK, ARRAY, 65.85 306 eP, P, 13 11 45.5 -0.7, etc. Lists various stations and their coordinates and status.

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Table with columns: DAVA, Duamuels, 98.77 322 ePdiff, P, 13 14 39.2 -1.0, etc. Lists various stations and their coordinates and status.

MEX 04 13:03:09.0,0.6,18:05N-103:22W, h5km,5km,MD3.7,

Table with columns: Code, Station Name, A^X, AZ^Z, Phase ID, Time, Res. Lists station codes and names.

NEIC 04 13:29:4.0,9,8:84S-113:07E, h95km,9km,mb4.3/1, Error ellipse: s-maj=10.4km s-min=6.4km az=52.0

ISCJTB 04 13:31:3.0,4,8:84S-106:9,113:09E-0:03, h129km,3km, mb3.9/22, Error ellipse: s-maj=9.4km s-min=5.0km az=16.5

DJA 04 13:32:6.0,4,9'S:8'11'3E', h94km,9km, M4.5/11, mB5.5/1, mb4.5/4, MLv4.5/11, Mw(mB)5.0/1

ISC 04 13:31:9.0,6,8:93S-107:113:03E,0:04, h121km,5km, m45, +159/59, mb4.0/22, Jawa

Table with columns: Code, Station Name, A^X, AZ^Z, Phase ID, Time, Res. Lists station codes and names.

SJA 04 13:55:9.0,0.7,31:78S-67:30W, h127km,9km,ML3.5, MW3.7,1D,Suan,Jan Province

Table with columns: Code, Station Name, A^X, AZ^Z, Phase ID, Time, Res. Lists station codes and names.

RTLS comp=2.264nm,0.7s IAML 13 16 52.3
ARCO CERRO ARCO 1.74 232 eP Pn 13 16 27.5 +0.8
AUSP Uspallata 1.83 255 eP Pn 13 16 29.9 +1.9

IDC 04 13:26:25.4:2.5, 9.60S, 158.50E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.3/6.1, mbtmp3.6/3, Error ellipse: s-maj=99.2km s-min=22.2km az=162.0, Bougainville-Solomon Islands region

Code Station Name Az Phase ID Time Res
HNR Honiara 1.43 84 Pn 13 26 52.7 0.0
HNR Honiara 1.43 84 eP Sg 13 27 08.7 -2.9
HNR Warramunga Arr 25.49 243 eS P 13 27 10.0 -1.5

MOS 04 13:27:12.5:1.2, 38.34N, 15.11E, h186km, mb4.5/30, Error ellipse: s-maj=7.1km s-min=3.6km az=75.6, ISCJB 04 13:27:13.0:0.1, 38.41N, 0.01:15.20E:0.02, h182km, 1km, mb4.3/59, Error ellipse: s-maj=2.4km s-min=2.0km az=176.8

Code Station Name Az Phase ID Time Res
VPL Vulcano Piano 0.17 245 Op Pn 13 27 36.8 +0.6
VPL comp=E,62450um,0.2s AML AML 13 27 54.7 +0.8
VPL comp=N,55200um,0.3s AML AML
VPL comp=E,62450um,0.2s AML AML

ISD 04 13:27:13.1:0.5, 38.45N, 0.03:15.17E:0.03, h173km, 5km, m630, r1861/713, mb4.5/70, 41C-2TD, Sicily

Code Station Name Az Phase ID Time Res
VPL Vulcano Piano 0.17 245 Op Pn 13 27 36.8 +0.6
VPL comp=E,62450um,0.2s AML AML
VPL comp=N,55200um,0.3s AML AML

MCSR Castoreale 0.39 171 i P Pn 13 27 37.9 +1.0
MCSR comp=E,42450um,1.1s AML AML
MCSR comp=N,35850um,0.3s AML AML
MCSR comp=E,42450um,1.1s AML AML

SOI comp=N,15450um,0.7s AML AML
SOI comp=E,10035um,0.6s AML AML
SOI comp=N,15500um,0.7s AML AML
SOI comp=N,15500um,0.7s AML AML

Table with multiple columns: call sign, name, frequency, mode, and other technical details. Includes various stations like AGU, L'Aquila, KKB, etc., and their respective frequencies and modes.

Table with columns: ID, Name, RA, Dec, P, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like 4M13h, ARCES ARCESS Array B, and various astronomical observations.

Table with columns: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like AREO ARCESS Array S, AKTO Aktyubinsk, and various astronomical observations.

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes entries like EPP Efpalio, SERG Sergoula, and various astronomical observations.

NIED 04 13:28:00.4100N, 142:00'E, h56km, Mw4.1 Best double couple: M0: 8.7000E+01, NP1: 9.194.00000, 822.00000, 1.82.00000. NP2: 22.00000, 668.00000, 1.93.00000. ...

CSEM 04 13:28:00.6, 38:40N-21:90E, h9km, ML1.6/4 ATH 04 13:28:00.7, 38:40N-21:90E, h9km, 2km, ML1.6/4, Error ellipse: s-maj=2.1km s-min=0.9km az=55.0, Greece

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4d 14h

Table with columns: Call sign, Name, Time, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like Auburn Hatcher, Devils Postpile, Kodiak Island, etc.

Table with columns: Call sign, Name, Time, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like Wickenburg, Glamis, Santo Domingo, etc.

Table with columns: Call sign, Name, Time, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like H11S3 WAKE ISLAND Hy, SDV Santo Domingo, MJAR Matsuhiri Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes NEIC 04 13:36:50.1, 0.0, 17:36N-101:64W, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes ISJCUB 04 13:52:56.1, 0.6, 37:96N-106:75E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes IDC 04 14:06:35.6, 2.1, 6:90S-128:82E, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Pinotepa, Tlapa, Vista Hermosa, Acapulco, El Cayaco, Yautepec, Puente Sto Nin.

MDD 04 14:20:52.1s 10.36:72Nk 11:18W, h0km, mb4.4/19, Error ellipse: s-maj=9.3km s-min=5.9km az=79.0, PRXIMO INMG 04 14:20:54.7s 10.36:66Nk 11:34W, h31km, MD2.9, ML3.1, Error ellipse: s-maj=3.7km s-min=2.0km az=87.0

IGIL 04 14:20:54.1, 36:55Nk 11:17W, h0km, ML3.2 CSEM 04 14:20:55.5s 0.3, 36:82Nk 11:12W, h30km, mb4.4, Error ellipse: s-maj=6.3km s-min=4.2km az=62.0

CNMR 04 14:20:57.0, 36:41Nk 11:01W, h70km ISC 04 14:20:49.2s 2.0, 36:71Nk 10:06:11:30W, n135, az=218/270, 10C-7D, Azores-Cape St. Vincent Ridge

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations from Vila Bisbo to El Granado.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations from EGRO to EMIJ.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations from EMIJ to EARI.

4d 14h

Table with columns: EARI, comp, E, 0.5nm, 0.2s, SNR=6.7, S, Sn, 14 24 13.3 -4.5

ISCJB 04 14:21:53.8,0.4, 39.09N,0.03:28.15E:0.03, h4km,6km, Error ellipse: s-maj=5.0km s-min=3.7km az=8.9

DDA 04 14:21:53.5, 39.10N, 28.16E, h7km, ML2.6/1.0

ISK 04 14:21:53.8, 39.06N, 28.15E, h7km, ML2.6/1.0

CSEM 04 14:21:54.1, 0.1, 39.08N, 28.14E, h5km, ML2.6, Error ellipse: s-maj=2.6km s-min=2.3km az=31.0

ISC 04 14:21:54.0, 0.9, 39.09N, 0.02:28.15E:0.02, h12km, 10km, n40, c0548/54, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

ISCJB 04 14:28:59.6, 0.7, 37.19N, 0.05:28.12E:0.07, h0km, Error ellipse: s-maj=9.9km s-min=4.5km az=135.9

CSEM 04 14:28:59.8, 0.4, 37.19N, 28.16E, h1km, ML2.5, Error ellipse: s-maj=10.2km s-min=6.2km az=28.0, Suspected Mining explosion.

ISC 04 14:28:58.8, 0.9, 37.15N, 0.04:28.08E:0.04, h0km, n18, c0549/23, Turkey

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

BUJ 04 14:36:29.2, 30.14S, 177.57W, h7km, mb5, 1/27, mb5.4/13, Ms4.9/11, Ms7.4/6/12

ISCJB 04 14:36:33.9, 0.1, 31.04S, 0.02:178.12W:0.04, h46km, mb5, 0/86, MS4.3/45, Error ellipse: s-maj=5.4km s-min=2.3km az=28.7

MOS 04 14:36:33.0, 0.9, 30.67S, 178.16W, h33km, mb5, 3/23, Error ellipse: s-maj=12.3km s-min=9.7km az=69.4

NEIC 04 14:36:34.5, 1.0, 30.75S, 178.17W, h39km, mb8, mb5, 1/62, Error ellipse: s-maj=7.4km s-min=4.7km az=145.0

GCMT 04 14:36:34.5, 0.2, 30.71S, 177.98W, h42km, mb1, MW5.2/85, Moment Tensor Solution, s78, c111, s85, c134, Duration: 19.0 Moment tensor: Scale 1.019N/m

MW-2.02t-11; Mw-2.4t-18; Best double couple: Mw: 5.0000x10^16 Np1: 24.00000; s69.00000; 1.84, 0.00000... NP2: 24.00000; s22.00000; 1.05, 0.00000...

WEL 04 14:36:34.0, 0.3, 30.75S, 178.17W, h39km, ML6.0/7, IDC 04 14:36:34.8, 1.7, 30.63S, 178.10W, h41km, 14km, mb4, 4/23, mb1, 4.5/25, mb1mx4.4/44, mbtmp4.6/25, ML4.3/32, MS4.3/40, Ms1, 4.3/40, ms1mx4.2/47, Error ellipse: s-maj=12.5km s-min=10.0km az=98.0

ISC 04 14:36:35.0, 0.3, 30.93S, 0.03:177.95W:0.05, h46km, n475, c191/447, mb5, 1/85, MS4.3/45, 18C-6D, Kermadec Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC

Main station list table with columns: WIMGZ, Waioamatatini S, 7.50 203, P, Pn, 14 38 20.9 -1.2

Main station list table with columns: WIMGZ, Waioamatatini S, 7.50 203, P, Pn, 14 38 20.9 -1.2

Main station list table with columns: WIMGZ, Waioamatatini S, 7.50 203, P, Pn, 14 38 20.9 -1.2

Main station list table with columns: RAR, Rarotonga, 18.96 64, eP, S, Sn, 14 40 07.7 -1.7

Main station list table with columns: RAR, Rarotonga, 18.96 64, eP, S, Sn, 14 40 07.7 -1.7

Main station list table with columns: RAR, Rarotonga, 18.96 64, eP, S, Sn, 14 40 07.7 -1.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NC602 NORSTAR Array S, HFS Hagfors, MNK Minsk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB09 comp=N,4um,0.2s, PB06 IPOC Station P, PB15 IPOC Station P, etc.

CSEM 04 14:54:14.9.0.3, 37.06N:28.05E, h2km, ML2.4, Error ellipse: s-maj=6.7km s-min=5.2km az=18.0, Suspected Mining explosion.

DDA 04 14:54:14.9.37.10N:28.04E, h7km, ML2.3, Suspected Mining explosion.

ISK 04 14:54:14.1, 37.07N:27.98E, h5km, ML2.4/5, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YER Yerkesik, YER Yerkesik, MSLB Milas, etc.

BER 04 14:54:26.9.1.9, 59.32N:5.62E, h0km, ML1.4, Suspected explosion, Southern Norway

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KMY Karmoy, KMY Stavanger, STAV STAV, etc.

ISN 04 14:58:29.9.0.3, 37.45N:42.58E, h0km, ML2.8

CSEM 04 14:58:31.9.1.8, 36.96N:44.58E, h2km, MD2.7, Error ellipse: s-maj=31.8km s-min=15.3km az=108.0

DDA 04 14:58:33.8, 37.12N:44.53E, h2km, MD2.7, Turkey-Iran border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YOVA Hakkari Y...kse, YOVA Hakkari Y...kse, CUKT Cukurca, etc.

JMA 04 15:01:51.4, 36.86N:140.67E, h10km, M2.6, Near east coast of eastern Honshu

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

MAT Matsushiro 2.00 262 P Pn 15 02 26.3 +1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRSC 04 15:04:16.7, 1.8, 50.01N:158.78E, h62km, 36km, ML3.6, East of Kuril Islands

KRSC 04 15:08:12.3.1.3, 48.52N:154.90E, h164km, 21km, ML3.7, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, PAU Puzhetka, etc.

ISCJB 04 15:23:29.8.0.3, 28.33S:0.03:69.06W:0.04, h115km, 4km, mb3.7/5, Error ellipse: s-maj=5.5km s-min=4.1km az=179.7

NEIC 04 15:23:29.4.0.6, 28.39S:68.95W, h89km, 9km, mb3.9/1, ML4.4(GUC), Error ellipse: s-maj=13.9km s-min=6.8km az=95.0

NEIC Fell [I] at Coquimbo and La Serena, Chile, IDC 04 15:23:29.4.2.8, 28.35S:68.91W, h83km, 24km, mb3.5/5, mb1 3.7/9, mb1mx3.6/35, mb1mx3.8/9, Error ellipse: s-maj=30.4km s-min=17.7km az=88.0

SJA 04 15:23:30.4.0.5, 28.37S:68.99W, h117km, 3km, ML4.3, MW4.0

GUC 04 15:23:30.8.1.2, 28.41S:69.15W, h98km, 9km, ML4.4

ISC 04 15:23:30.6.0.7, 28.35S:0.04:69.08W:0.04, h101km, 7km, n53, c1:935/71, mb3.5/5, 1C-1D, Chile-Argentina border region

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

AGUA GUANDACOL 1.25 156 eP Pn 15 23 55.1 +1.1

GO03 Copiap 1.26 306 eP Pn 15 23 55.0 +0.9

GO03 Copiap 1.26 306 eP Pn 15 23 55.0 +0.9

GO03 Copiap 1.26 306 eP Pn 15 23 55.0 +0.9

GO03 Copiap 1.26 306 eP Pn 15 23 55.0 +0.9

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GO03 Copiap 1.26 306 eP Pn 15 23 55.0 +0.9

4d 19h

Table with 4 columns: SIRN, SRMT, SRTP, MARD, MARD, MARD. Contains station codes and coordinates.

MEX 04 16:43:36.4.0.6, 17:17N<100>22W, h34km<10km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for Guerrero region.

IDC 04 17:30:30.7.2.8, 3.25S, 135.73E, h0km, mb3.3/2, mb1 3.6/4, mb1mx3.3/4.5, mbtm3.4/4, ML3.1, b5.0, Error ellipse: s-maj=96.4km s-min=28.6km az=82.0, Irian Jaya region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for Irian Jaya region.

IDC 04 17:33:53.9.2.7, 4.02N<142>33E, h87km<25km, mb3.2/3, mb1 3.2/6, mb1mx3.0/6.5, mbtm3.3/4.6, Error ellipse:

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for IDC 04 17:33:53.9.2.7 event.

IDC 04 17:33:55.2.1.0, 4.03N<141.79E>E.0.06, h93km, 7km, n2.4, o67.4/34, mb3.7/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for Honshu region.

MAN 04 17:50:24.2, 9.78N<123.14E, h13km, mb3.8, ML2.6, MS2.1, ID, Negros

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for Negros region.

IDC 04 18:29:37.8.7.9, 6.80S, 120.96E, h502km<26km, mb2.6/2, mb1 2.7/4, mb1mx2.3/6.5, mbtm3.4/4, Error ellipse: s-maj=236.9km s-min=101.5km az=52.0, Flores Sea

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for Flores Sea region.

IDC 04 18:45:19.7.1.1, 1.20S, 129.16E, h0km, mb3.4/3, mb1 3.7/5, mb1mx3.4/6.5, mbtm3.3/6.5, ML3.6/2, MS3.1/1, MS1 3.1/1, ms1mx2.2/3.5, Error ellipse: s-maj=35.1km s-min=21.2km az=69.0

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for IDC 04 18:45:19.7.1.1 event.

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Table with columns: FAKI, FITZ, WRA, WRA, PMG, ASAR, ASAR, ASAR, ASAR, MKAR, KURBB. Lists station details and coordinates.

MOS 04 18:50:50.3.0.8, 48.06N<154.02E, h182km, h4.0/2, Error ellipse: s-maj=14.7km s-min=4.1km az=69.7, ISCJB 04 18:50:51.3.0.5, 48.30N<0.07>153.0E.0.1, 1150km, mb3.4/12, Error ellipse: s-maj=14.1km s-min=3.2km az=136.1

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for MOS event.

IDC 04 18:50:54.5.2.1, 48.44N<153.32E, h165km, 19km, mb3.2/12, mb1 3.4/17, mb1mx3.2/7.3, mbtm3.7/17, Error ellipse: s-maj=20.3km s-min=13.2km az=145.0, ISC 04 18:50:52.0.8, 48.22N<0.1>153.9E.0.1, 1150km, n93, o152.9/2, mb3.4/12, 1D, Kuril Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for Kuril Islands region.

IDC 04 18:50:09.0.6.7, 3.4<10>2.2E, h30km, M4.7/8, mb5.4/1, mb5.2/3, MLV4.4/8, MW(m)B4.8/1, NEIC 04 18:55:11.0.5, 6.58S, 102.05E, h35km, mb4.2/1, Error ellipse: s-maj=15.4km s-min=8.1km az=50.0, ISC 04 18:55:11.4.0.6, 6.51S, 102.07E, h35km, n46, o192.4/0, mb4.1/19, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for NEIC and ISC events.

IDC 04 19:03:28.6.0.2, 23.95N<122.43E, h23km, M2.1, TAP 04 19:03:28.9.1, 23.97N<122.45E, h27km, 1km, ML2.6, C ISC 04 19:03:28.6.1, 23.94N<0.04>122.43E.0.2, h26km<14km, n3, o67.4/7, Taiwan region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for Taiwan region.

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Table with columns: MJAR, KSRS, H112, H111, H113, H115, H112, ILAR, ZALV, MKAR, MKAR, KURK, KURBB, KURBB, BVAR, BVAR, FINES, PDAR, HFS, WRA, AKASG, TXAR, GERES. Lists station details and coordinates.

IDC 04 18:55:05.7.0.6, 6.64S<101.93E, h0km, mb4.1/17, mb1 4.2/18, mb1mx4.0/6.2, mbtm3.4/18, ML4.4/1, MS3.2/4, MS1 3.2/4, ms1mx2.6/6.5, Error ellipse: s-maj=25.1km s-min=12.4km az=56.0, ISCJB 04 18:55:09.1.0.5, 6.48S<0.05>102.21E.0.4, h33km, mb4.1/19, MS3.1/1, Error ellipse: s-maj=7.1km s-min=5.6km az=7.1, DJA 04 18:55:09.0.6.7, 3.4<10>2.2E, h30km, M4.7/8, mb5.4/1, mb5.2/3, MLV4.4/8, MW(m)B4.8/1, NEIC 04 18:55:11.0.5, 6.58S, 102.05E, h35km, mb4.2/1, Error ellipse: s-maj=15.4km s-min=8.1km az=50.0, ISC 04 18:55:11.4.0.6, 6.51S, 102.07E, h35km, n46, o192.4/0, mb4.1/19, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists station details for various regions including Sumatra, Taiwan, and others.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like E0S1, YJNG, YOJ, YONAN, etc.

ISC/JB 04 19:03:40.6:0.4, 43.79N:0.04:105.21W:0.05, h0km, mb4.3/1, Error ellipse: s-maj=5.7km s-min=4.8km

NEIC 04 19:03:41.9:0.5, 43.78N:105.25W, h0km, ML3.2, Error ellipse: s-maj=7.5km s-min=6.4km az=148.0, Suspected Mining explosion.

NEIC 60 km [38 miles] SSE of Gillette, IDC 04 19:03:45.0:3.3, 43.91N:105.74W, h26km:27km, mb3.9/1, mb1 3.9/3, mb1mx3.2/64, mbtmp3.8/3, ML3.5/2, Error ellipse: s-maj=55.1km s-min=13.2km az=149.0

ISC 04 19:03:41.7:0.9, 43.77N:0.04:105.24W:0.04, h0km, n30, r1943/34, Wyoming

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like RSSD, K22A, N23A, LAO, RLMT, etc.

CSEM 04 19:10:15.9:0.2, 31.89N:55.84E, h2km, ML3.9, Error ellipse: s-maj=6.3km s-min=5.0km az=160.0

THR 04 19:10:15.0:0.3, 31.73N:55.96E, h15km, ML3.9, ISC/JB 04 19:10:16.1:0.5, 31.90N:0.04:55.78E:0.04, h13km, Error ellipse: s-maj=6.3km s-min=4.5km az=169.8

TEH 04 19:10:16.7, 31.89N:55.85E, h5km, ML3.9, ISC 04 19:10:16.4:1.1, 31.85N:0.04:55.85E:0.04, h13km, n50, r1940/44, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like MEHRIZ, CHEKHEK, PARVADEH, etc.

NIED 04 19:19:00.23:90N:122.40E, h20km, Mw4.1 Best double couple: M1:79000x1015 N1:3318.00000, s20.00000, t1.63.00000, N2:664.00000, s84.00000, t1.71.00000

JMA 04 19:19:46.7:0.3, 23.90N:122.43E, h17km, 5km, M3.9, ISC/JB 04 19:19:46.5:0.3, 23.90N:0.02:122.44E:0.01, h17km, 2km, mb4.0/13, MS3.3/11, Error ellipse: s-maj=2.8km s-min=1.9km az=148.4

BUI 04 19:19:47.5, 24.02N:122.44E, h21km, mb3.8/1, ML3.7/2, Ms3.5/2, Ms7.3/2

NEIC 04 19:19:48.0:6.2, 24.10N:122.55E, h35km, mb4.5/2, Error ellipse: s-maj=12.7km s-min=9.9km az=192.0

TAP 04 19:19:48.1, 23.98N:122.37E, h24km, ML4.2, D, IDC 04 19:19:49.4:4.2, 24.12N:122.57E, h41km:46km, mb3.9/9, mb1 3.9/10, mb1mx3.5/61, mbtmp4.1/10, ML3.5/1, MS3.3/14, Ms1 3.3/14, ms1mx3.0/66, Error ellipse: s-maj=34.6km s-min=20.2km az=65.0

ISC 04 19:19:46.8:1.1, 23.95N:0.02:122.44E:0.02, h24km, 9km, n138, r1926/210, mb4.1/13, MS3.3/11, 1C-1D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like ENAH, HWA, ENLB, TWD, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahia Solano, Santa Helena, UREC San Jos, etc.

JMA 04 20:05:24.7-0.3, 36.67N-141.65E, h51km, 5km, M3.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ONAJ Iwakimizuishi, JHO Hitachi, etc.

IDC 04 20:05:44.9-4.5, 29.34S-74.25E, h0km, mb3.7/5,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H0S2 Diego Garcia H, H0S1 Diego Garcia H, etc.

NIED 04 20:05:00.22-50N, 121.30E, h26km, Mw4.3 Best double couple:

ISCJB 04 20:05:46.2-0.6, 21.71N, 0.03-121.17E, 0.03, h25km, 3km, mb4.0/17, MS3.6/16, Error ellipse: s-maj=5.1km

TAP 04 20:05:46.5, 21.78N, 121.10E, h14km, ML4.3, C

NEIC 04 20:05:50.3-1.4, 21.67N, 121.19E, h44km, 13km, mb4.2/2, Error ellipse: s-maj=13.5km s-min=10.7km az=140.0

ISC 04 20:05:47.3-0.8, 21.79N, 0.04-121.14E, 0.03, h19km, 2km, n139, s126/152, mb4.0/17, MS3.6/16, 20C-5D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TSEB Hengchuen, Pin, TWKBT Hengchuen, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SCZT Fangliu, ECL Taimali, WLCX Liuqu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NWF Wu-fen Shan, WFSB Wu-fen Shan, HATJ Hateruma jima, etc.

4d 20h

Table with columns: TAW, EAST, EAST, SCZT, SCZT, ECL, ECL, WLCH, WLCH, TWP, MASBT, MASBT, TWH, TWH, TTN, TTN, TTN, TWGB, TWGB, TWG, TWG, TSS, TSS, SGLT, SGLT, TWM1, TWM1, SLGT, SLGT, CHKT, CHKT, CHKT, SGST, SGST, ELDTW, ELDTW, FULB, FULB, STYT, STYT, CHN3, CHN3, CHN1, CHN1, TAI1, TAI1, WTP, WTP, TWF1, TWF1, TPUB, TPUB, TWK, TWK, YULB, YULB, SCLT, SCLT, SCLT, HGSD, HGSD, EHY, EHY, EHY, ALS, ALS, CHN8, CHN8, CHN2, CHN2, CHN5, CHN5, EGFH, EGFH, EGFH, VVDT, VVDT, WCK, WCK, WCK, WDLH, WDLH, SSSL, SSSL, WDG, WDG, WGS, WGS, WGS

Table with columns: SMLT, SMLT, TYC, TYC, WNT, WNT, ENLB, ENLB, DPDB, DPDB, CHGB, CHGB, TWD, TWD, NACB, NACB, NNSB, NNSB, NNSH, NNSH, NNS, NNS, MJAR, MJAR, SONM, SONM, LEM, LEM, FITZ, FITZ, MKAR, MKAR, KURBB, KURBB, ASAR, ASAR, BVAR, BVAR, IDC 04 20:25:06.31, 3.28, 95S:74.78E, h0km, mb3.9/8, mb1 4.0/8, mb1mx3.7/64, mbtmp3.9/8, MS3.5/11, Ms1 3.5/11, ms1mx3.1/55, Error ellipse: s-maj=48.7km s-min=23.0km az=71.0, Mid-Indian Ridge

Table with columns: ATH 04 20:32:47.5, 35.18N:27.71E, h13km, 4km, ML2.6/3, Error ellipse: s-maj=6.5km s-min=1.8km az=327.0, THE 04 20:32:48.6, 35.28N:27.71E, h0km, 4km, ML2.4/2, Error ellipse: s-maj=7.3km s-min=1.9km az=163.0, DDA 04 20:33:00.8, 35.20N:27.81E, h7km, ML2.9, ISC 04 20:32:46.1, 6.35, 16N:0.06:27.77E:0.03, h6km, 10km, n71, c1929/92, Dodecanese Islands

4d 21h

Table with columns for call sign, frequency, power, and coordinates. Includes entries like NHSC New Hope, NHSC Cliffs of the, 655A Horseshoe Beach, etc.

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Table with columns for call sign, frequency, power, and coordinates. Includes entries like ODNJ Ogdenburg, Z51A Franklin, U53A Fall Branch, etc.

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Table with columns for call sign, frequency, power, and coordinates. Includes entries like LBNH comp=Z,23nm,0.7s, U49A Red Boiling Sp, W48A Pulaski, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like HLID Hailey, ELK Hector, XPFO Pifon Flat, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like J08A Circle Bar, WAKR Walker, NEW Newport, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like PGC Sidney, NLWA Neilton Lookou, TIC Toumudi, etc.

4d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WSF Szhu, WSF baz=261, MASBT Mashbululo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BER 04 21:37:59.7, JMI Jan Mayen, etc.

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, FITZ Fitzroy Crossi, BATI Baumata, etc.

ISC/JB 04 21:41:20.0, 0.4, 31.106S, 0.04, 179.77W, 0.04, h205km, mb3.5/4, Error ellipse: s-maj=13.0km s-min=4.2km

WEL 04 21:41:20.3, 0.8, 31.158S, 0.17, 179.72W, 0.1, h275km, 11km

ICC 04 21:41:21.3, 1.4, 31.315S, 179.42W, h278km, 14km, mb3.2/3, mb1.3/5.6, mb1mx3.2/4.8, mbtmp4.1/6, Error ellipse: s-maj=37.7km s-min=17.6km az=122.0

ISC 04 21:41:21.6, 0.8, 31.135S, 0.07, 179.67W, 0.1, h250km, n41, r165/46, mb3.6/4, Kermadec Islands region

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

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mb3.8/7, Error ellipse: s-maj=11.7km s-min=5.2km az=19.3

ISC 04 22:07:03.5, 1.0, 37.485S, 0.04, 73.9W, 0.1, h35km, n17, r146/24, mb4.0/7, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCSP San Pedro de C, TMU Temuco, CCHI Chilean, etc.

ISC/JB 04 22:13:42.0, 0.3, 50.91N, 0.04, 179.77W, 0.04, h10km, mb4.1/45, MS3.2/8, Error ellipse: s-maj=6.3km

ICC 04 22:13:42.0, 0.9, 51.17N, 179.75W, h0km, mb3.8/15, mb1.4/0.17, mb1mx3.8/7.6, mbtmp3.9/17, ML4.3/1, MS3.1/8, Ms1.3.1/8, ms1mx3.2/8.7, Error ellipse: s-maj=26.3km

NEIC 04 22:13:44.0, 0.0, 50.98N, 179.71W, h8km, mb4.2/38, ML4.1(AEIC), After AEIC

MOS 04 22:13:46.1, 1.0, 51.34N, 179.86W, h33km, mb4.3/17, Error ellipse: s-maj=13.9km s-min=12.8km az=57.6

ISC 04 22:13:44.6, 0.6, 51.06N, 108.07W, 179.7W, 0.03, h10km, n132, r137/125, mb4.1/45, MS3.8/3, D, Andreanof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AMKA Amchitka, CERAA Semis' Rag'd T, GALAA Gareloi Lava P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like ILB Eielson Array, TOLK Toolik Lake Re, EGAK Eagle, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like TWK Hsinying, TWK Hsinying, CHN1 Nanshi, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like CHNS baz=16, WGLK Gukeng, WDLH Douliu, etc.

TAP 04 22:22:51.6, 23:30N:120:42E, h7km, ML2.4, 2D, B, Taiwan

TAP 04 22:22:54.1, 23:22N:120:55E, h17km, ML2.4, A, Taiwan

ISCJB 04 22:57:14.0, 0.3, 37:48S:0:03:74:04W:0.06, h10km, mb4.5/35, MS3.9/10, Error ellipse: s-maj=6.3km, s-min=4.6km, az=37.

IDC 04 22:57:14.2, 0.7, 37:43S:73:99W, h0km, mb4.4/10, MS1 3.8/11, ms1mx3.6/29, Error ellipse: s-maj=26.4km, s-min=14.0km, az=85.0.

4d 23h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like VRAC Vranov, MORC Moravsky Berou, WTTA Wattenberg, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like MAK Makhachkala, BNI Bardonecchia, VOR Divnogorie, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like BCIA Clavier, BEBN Eben Emael, ES19 SONSECA Array, etc.

Table with columns: ILAR, comp, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Clear Creek Bu, DAWY, ULM, etc.

ISC/JB 04:23:58:06.0.0.6, 29:61'S:0.05:179.4W:0.1, h300km, mb3.9/7, Error ellipse: s-maj=13.2km s-min=5.7km az=19.2

ICC 04:23:58:06.0.0.6, 29:39'S:179.02'W, h315km, mb3.6/7, mb1.3/7.8, mb1mx3.4/2.2, mbtm3.4/3.6, Error ellipse: s-maj=19.1km s-min=12.6km az=16.0

WEL 04:23:58:11.6.1.8, 30'S:26.18'OE, 7.2, h193km, 60km ISC 04:23:58:05.8.0.7, 29:56'S:179.3W:0.1, h300km, n33, s193/37, mb3.9/7, Kermadec Islands region

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

1.33.00000°, NP2:33.00000°, 868.00000°, 1.129.00000°. IDC 05:00:35:01.6.0.7, 32:37'N:141.75'E, h0km, mb3.9/14, mb1.4/0.17, mb1mx3.6/6.6, mbtm3.9/17, ML3.4/3, MS3.3/6, Ms1.3/3.6, ms1mx2.8/6.6, Error ellipse: s-maj=18.6km s-min=14.6km az=52.0

NEIC 05:00:35:02.5.2.8, 32:32'N:141.80'E, h6km, 17km, mb4.3/5, Error ellipse: s-maj=10.3km s-min=6.4km az=78.0

ISC/JB 05:00:35:04.8.0.4, 32:36'N:0.04:141.76'E:0.07, h39km, mb3.9/19, MS3.4/5, Error ellipse: s-maj=8.8km s-min=5.0km az=153.2

JMA 05:00:35:04.6.0.4, 32:45'N:141.79'E, h89km, M3.7, IS05:00:35:06.7.0.5, 32:36'N:0.05:141.81'E:0.06, h39km, n44, s132/45, mb4.0/19, MS3.4/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JAOM, JHCJ, JHJ2, etc.

Table with columns: SERG, comp, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Sergoula, Paravola, etc.

MEX 05:00:43:36.0.0.5, 16:70'N:98.41'W, h16km, 6km, MD3.5, Near coast of Guerrero

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

NEIC 05:00:53:41.7.0.8, 30:33'S:177.56'W, h10km, mb4.3/1, Error ellipse: s-maj=23.8km s-min=13.9km az=87.0

ISC/JB 05:05:54:55.5.1.0, 30:28'S:177.9W:0.2, h35km, mb4.1/6, Error ellipse: s-maj=29.9km s-min=8.9km az=8.2

IDC 05:00:52:49.2.2.0, 30:09'S:177.77'W, h59km, 17km, mb3.8/5, mb1.4/0.5, mb1mx3.6/4.1, mbtm3.4/4.5, Error ellipse: s-maj=27.0km s-min=24.6km az=133.0

ISC 05:00:53:46.2.1.0, 30:21'S:177.17'W:0.2, h35km, n23, s130/19, mb4.2/6, Kermadec Islands

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

NIED 05:00:35:00, 32.50N, 141.80E, h5km, Mw4.0 Best double couple: Mo:1.20000x1015 NP1:148.00000°, 344.00000°

NIED 05:01:00:00, 38.20N, 144.50E, h8km, Mw3.6 Best double couple: Mo:3.09000x1014 NP1:18.00000°, 823.00000°, 1-100.00000° NP2:208.00000°, 667.00000°

JMA 05:00:23:4.0.2, 38:23'N:144:52'E, h36km, M3.7, Off east coast of Honshu

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MK32, MKAR, PLCA, etc.

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

TIR 05:02:13:00.5, 40:51N-21:49E, h3km, Md3.3/3
ATH 05:02:13:01.0, 40:44N-21:47E, h1km, ML3.2/16, Error
SKO 05:02:13:00.6, 40:34N-21:39E, h8km, M2.6, ML3.3
PDG 05:02:13:01.7, 40:46N-21:48E, h16km, ML3.2/11, Error

ISC/JB 05:01:23:01.6, 0.3, 36:70S-0.06:53:35E, 0.08, h7km, mb4-4/29, MS3.5/18, Error ellipse: s-maj=9.9km

IDC 05:01:23:02.1, 0.4, 36:64S-53:32E, h0km, mb4.3/24, mb1 4.4/24, mb1mx4.3/58, mbmp4.3/24, MS3.4/18, Ms1 3.4/18, ms1mx3.2/53, Error ellipse: s-maj=15.7km

NEIC 05:01:23:03.7, 0.2, 36:70S-53:30E, h10km, mb4.6/16, Error ellipse: s-maj=8.0km, s-min=7.4km, az=58.0

ISC 05:01:23:03.4, 0.4, 36:73S-0:08:53E, 0.1, h7km, m119, o589/105, mb4.4/29, MS3.5/18, 1C-4D, South Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZAA1, 154A, GOGA, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ABPO, OPO, BOSA, etc.

GUC 05:01:27:32.5, 0.6, 34:77S-71:77W, h45km, 2km, ML3.6

ISC/JB 05:01:27:34.0, 0.7, 34:77S-71:77W, 0.08, h28km, 7km, Error ellipse: s-maj=11.8km, s-min=6.9km, az=28.8

SJA 05:01:27:34.0, 1.1, 34:77S-71:54W, h30km, ML3.1, MW3.7

ISC 05:01:27:34.1, 1.1, 34:77S-71:77W, 0.07, h27km, 10km, n15, e194/22, 4C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GO05, NICH, CLCH, etc.

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

IDC 05:01:38:20.8, 3.1, 28:64S-178:59W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.6/41, mbtmp3.7/3, Error ellipse: s-maj=96.2km, s-min=16.3km, az=31.0, Kermedade Islands region

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

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

NIED 05:01:42:00, 38:60N, 142:40E, h53km, Mw3.5 Best double couple: M2=15000-1014, NP1=76, 00000, 847, 00000, 1, 120, 00000, NP2=216, 00000, 851, 00000, 1, 600, 00000

JMA 05:01:42:58.1, 0.1, 38:56N-142:36E, h43km, 1km, M3.7, Near east coast of eastern Honshu

Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OFUJ, JIO, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like THESSALONIKI, VAY VALANDOVO, SAGIADA, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like BUM Brajici-Budva, BUM Villia, BEY Berane, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like CEY Cerknica, PSZ Piszkesteto, PSZ Piszkesteto, etc.

NEIC 05 02:19:07.2, 3.55, 89S: 27.06W, h38km, 20km, mb4.4/9, Error ellipse: s-maj=21.2km s-min=10.0km az=56.0, IDC 05 02:19.0.3, 3.4, 55.91S: 26.94W, h59km, 29km, mb4.0/7, mb1.4/1.8, mb1mx3.9/3.1, mbtmp4.2/8, ML4.1/1, MS3.1/1, Ms1.3/1.1, ms1mx2.6/2.9, Error ellipse: s-maj=32.7km s-min=16.8km az=67.0

ISC 05 02:19:08.3, 0.6, 56.0S: 0.1x27.4W: 0.1, h35km, n41, e212/38, mb4.4/10, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CHOS Chios island, PSARA Psara, TNSA Tinos, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WIL2 Platees, DAT Data, FITZ Fitzroy Crossi, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Severo-Kuril's, PAU Pauzhetka, ASAK Asacha, etc.

5d 3h

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ZLN Zelenaya, LGNR Loginova, KRSR Krestovskiy, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CCB Clear Creek Bu, ILAR Eielson Array, ILB Eielson Array, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NIL Nilore, FXWY Fox Creek, TPAW Teton Pass, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Rows include E38A The Farm, Brul; F38A Pierce - Schro; H36A Jesseland, He; etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Rows include R42A Luebbering; AS31 Alice Springs; ASAR Alice Springs; etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Rows include V50A Pikeville; V51A Loudon; W50A Signal Mountai; etc.

DDA 05 03:14:16.9 40:85N-43:53E, h7km, ML2.7
ISCJB 05 03:14:17.5 0.5, 40:83N, 02:43:50E, 0.04, h8km, 4km,
Error ellipse: s-maj=4.6km s-min=3.4km az=17.9
CSEM 05 03:14:17.3 0.2, 40:83N-43:50E, h10km, ML2.7, Error
ellipse: s-maj=4.7km s-min=3.3km az=131.0
TIF 05 03:14:17.4, 40:87N-43:48E, h28km
ISK 05 03:14:17.2, 40:87N-43:46E, h24km, ML2.4/2
ISC 05 03:14:17.2, 0.9, 40:85N, 02:43:55E, 0.02, h14km, 7km,
n43, 0563, Turkey-Georgia-Armenia border region
Code Station Name Az Elv Az Op Phase ID Time Res
EAK Aykaya 01 166 i P Pg 03 14 21.1 -0.3

5d 4h

Table with columns: DBOC, Borka, DUS, Dusheti, 1.51 290, P, Pn, 03 14 44.1, +0.3, etc.

ISCJB 05 03:16:39.5.0.4.3.26S:0.05:152.32E:0.09,h33km, mb4.2/22, MS3.4/10, Error ellipse: s-maj=13.9km s-min=6.0km az=21.4

NEIC 05 03:16:43.5.1.1.3.50S:152.40E,h61km,10km, mb4.6/12, Error ellipse: s-maj=13.2km s-min=7.7km az=127.0

IDC 05 03:16:47.0.4.6.3.53S:152.43E,h93km,42km, mb3.8/11, mb1.4/12, mb1mx3.7/50, mbtmp4.2/12, MS3.4/11, Ms1.3.4/11, ms1mx3.1/40, Error ellipse: s-maj=37.2km s-min=19.6km az=122.0

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

NMC 05 03:18:30.1s.5.38.79N:71.05E, h0km, mb4.6, mpv4.4, Error ellipse: s-maj=48.1km s-min=29.2km az=168.0

IDC 05 03:18:31.2.0.9.38.97N:71.71E, h0km, mb3.7/11, mb1.3.9/17, mb1mx3.7/69, mbtmp3.8/17, ML3.6/6, MS2.8/1, Ms1.2.8/1, ms1mx2.2/57, Error ellipse: s-maj=16.0km s-min=11.3km az=141.0

KRNET 05 03:18:32.0.0.1.39.19N:71.70E, h10km, mb4.3, ISC 05 03:18:33.0.0.7.39.30N:70.05E, 72.01E, h0km, n49, c=2818/65, mb3.7/12, 23C-12D, Kyrgyzstan

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

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Main table with columns: AML, Almayashu, bazz=26, 3.11, 24, U/P, Pb, 03 19 28.7, +0.2, etc.

SJA 05 04:02:35.5.0.5.28:57S:69.47W, h135km, 3km, ML4.3, MW4.4

ISCJB 05 04:02:36.5.0.9.28:59S:0.04:69.48W:0.06, h125km, 10km, Error ellipse: s-maj=8.1km s-min=6.0km az=178.0

GUC 05 04:02:38.0.8.0.28:67S:69.54W, h75km, 8km, ML4.3, ISC 05 04:02:36.4.1.6.28:59S:0.04:69.46W:0.04, h129km, 13km, n15, c1919/26, 6C-1D, Chile-Argentina border region

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

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Table with columns: RTLS, comp=2.458mm, 0.3s, IAML, 04 04 08.9, etc.

ISCJB 05 04:03:22.2.1.0.10.34S:0.09:161.7E:0.1, h61km, mb3.9/6, Error ellipse: s-maj=18.5km s-min=8.0km az=141.6

IDC 05 04:03:27.1.2.4.10.36S:161.48E, h86km, 18km, mb3.6/6, mb1.3.8/7, mb1mx3.5/52, mbtmp4.0/7, Error ellipse: s-maj=27.1km s-min=16.7km az=66.0

ISC 05 04:03:24.6.1.0.10.35S:0.1:161.6E:0.1, h61km, n12, c162/11, mb3.7/6, Bougainville-Solomon Islands region

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

ISCJB 05 04:04:05.2.1.1.3.45S:0.1:152.2E:0.2, h100km, mb3.8/12, Error ellipse: s-maj=38.1km s-min=11.9km az=22.8

IDC 05 04:04:07.5.4.5.9.49S:152.22E, h12km, 40km, mb3.7/11, mb1.3.9/12, mb1mx3.6/50, mbtmp4.1/12, MS3.4/14, Ms1.3.4/14, ms1mx3.2/38, Error ellipse: s-maj=41.8km s-min=19.1km az=108.0

ISC 05 04:04:06.9.1.3.3.45S:0.2:152.2E:0.3, h100km, n30, c0598/14, mb3.9/12, New Ireland region

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

ISCJB 05 04:06:42.5.0.3.3.30S:0.05:152.28E:0.08, h33km, mb4.2/20, MS3.2/1, Error ellipse: s-maj=11.4km s-min=6.8km az=13.7

IDC 05 04:06:46.1s.10.0.3.46S:152.32E, h60km, 96km, mb3.9/9, mb1.4/19, mb1mx3.7/49, mbtmp4.1/9, MS3.2/1, Ms1.3.2/1, ms1mx2.6/43, Error ellipse: s-maj=49.9km s-min=22.9km az=101.0

NEIC 05 04:06:46.2.1.4.3.43S:152.25E, h57km, 13km, mb4.5/9, Error ellipse: s-maj=13.2km s-min=11.7km az=96.0

ISC 05 04:06:44.4.0.6.3.33S:0.07:152.3E:0.1, h35km, n40, c2818/65, mb3.7/12, 23C-12D, Kyrgyzstan

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

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Nakatsue, Korea Array, KS15, etc.

Windward Islands

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Montagne Vaucl, Morne La Croix, etc.

NEIC 05 05:52:57.51.5.34.46Sx72.63W, h0km, mb3.5/3, mb1 3.7/5, mb1mx3.6/20, mbmp3.5/5, ML2.7/2, MS2.4/1, Ms1 3.4/1, ms1mx2.7/21, Error ellipse: s-maj=66.0km s-min=26.8km az=79.0

ISCJB 05 05:52:58.21.4.34.45Sx0.04:72.69Wx0.07, h20km, 11km, mb3.5/3, Error ellipse: s-maj=10.1km s-min=6.8km az=10.3

NEIC 05 05:53:00.0.0.0.34.49Sx72.64W, h39km, mb3.9/1, ML4.0(GUC), After GUC.

GUC 05 05:53:00.0.0.6.34.49Sx72.64W, h39km, 25km, ML4.0

ISC 05 05:52:58.22.0.34.39Sx0.04:72.46Wx0.08, h4km, 12km, n31, r1500/39, mb3.7/3, 1C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Hualae0, Antumapu, ROC1, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CERRO ARCO, Uspallata, CANAL, etc.

NEIC 05 06:02:55.6.0.0.16.27N:98.44W, h18km, MD4.0(MEX), After MEX.

MEX 05 06:02:55.6.0.0.16.27N:98.44W, h18km, 32km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Pinotepa, Tlapa, El Cayaco, etc.

ISCJB 05 06:05:46.7.0.5.23.98N.0.03:122.45E:0.02, h15km, 6km, Error ellipse: s-maj=5.1km s-min=2.8km az=160.1

JMA 05 06:05:46.8.0.3.24.01N:122.41E, h14km, 5km, M2.4

TAP 05 06:05:47.4.24.06N.122.44E, h29km, ML3.1, C

ISC 05 06:05:47.0.1.1.24.02N.0.03:122.42E:0.02, h25km, 13km, n35, e0556/58, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EOS1, JYNG, YOJ, etc.

ISCJB 05 06:05:52.0.0.8.12.11W:0.1:143.0E:0.1, h31km, mb3.6/5, s-min=19.0km az=115.0

ISCJB 05 06:05:23.9.1.1.12.11N:0.2:143.1E:0.2, h31km, n9, e0817.1, mb3.7/5, South of Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EOH1, EHY, NWLT, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KJRS, JIJ, TPUB, etc.

SJA 05 06:24:00.0.0.7.34.21Sx73.02W, h40km, 32km, ML3.2, MW3.6

ISCJB 05 06:24:00.0.0.5.2.7.34.12S:0.06:72.1W:0.2, h12km, 26km, Error ellipse: s-maj=23.5km s-min=7.2km az=19.5

GUC 05 06:24:08.6.0.7.34.16S:72.16W, h60km, 68km, ML3.1

ISC 05 06:24:06.5.2.4.34.19S:0.07:72.2W:0.2, h14km, 12km, n12, r1588/19, 4C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Hualae0, Antumapu, ROC1, etc.

MEX 05 06:49:02.2.0.5.16.52N:98.55W, h12km, 5km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Pinotepa, Tlapa, El Cayaco, etc.

IDC 05 06:50:19.2.1.0.12.11N:143.09E, h0km, mb3.6/5, mb1 3.8/6, mb1mx3.5/66, mbmp3.6/6, ML3.7/1, MS2.4/1, Ms1 2.4/1, ms1mx2.1/44, Error ellipse: s-maj=35.6km s-min=19.0km az=115.0

ISCJB 05 06:50:22.0.0.8.12.11W:0.1:143.0E:0.1, h31km, mb3.6/5, Error ellipse: s-maj=23.9km s-min=10.0km az=135.2

ISC 05 06:50:23.9.1.1.12.11N:0.2:143.1E:0.2, h31km, n9, e0817.1, mb3.7/5, South of Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GUMO, H11N1, H11N2, etc.

ISCJB 05 07:26:32.0.1.1.24.97N:0.07:122.56E:0.04, h10km, 6km, Error ellipse: s-maj=11.9km s-min=5.1km az=21.8

TAP 05 07:26:31.4.24.94N:122.54E, h5km, ML2.7, C

JMA 05 07:26:32.0.2.24.94N:122.50E, h2km, M2.0

ISC 05 07:26:32.5.1.7.24.98N:0.07:122.53E:0.04, h9km, 13km, n17, r039/26, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EOH1, EHY, NWLT, etc.

5d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NACB Ninganchiao, NNSB Datong, NNSB Datong, NNSH Datong, WHF Hehuan Shan.

NIED 05 07:28:00.39:00N:142.40E, h32km, Mw3.7 Best double couple: M3.57000+0.11, NP1.30108.0000+, 844.00000+, ...

ISC/JB 05 07:28:51.6:1.1, 39:00N:0.03:142.46E:0.06, h19km, 6km, mb3.5/6, MS2.6/1, Error ellipse: s-maj=8.9km s-min=4.7km az=22.9

JMA 05 07:28:53.0:0.1, 39:04N:142.38E, h31km, 1km, M3.8 JMA Fell 1 J1

IDC 05 07:28:56.7:2.7, 38:99N:142.44E, h52km, 25km, mb3.3/6, mb1.3/6, mb1mx3.3/7, mbtmp3.8/10, ML3.5/3, MS2.8/6, Ms1.2/8, ms1mx2.5/35, Error ellipse: s-maj=2.4km s-min=1.1km az=116.0

ISC 05 07:28:51.9:1.7, 39:02N:0.04:142.39E:0.06, h10km, 10km, n3.0, c139/33, mb3.6/6, Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OFLU Ofunato, MIYJ Miyakonagasawa, JMK Ichinoseki, etc.

MEX 05 07:45:28.2:0.4, 15:99N:98.31W, h5km, 3km, MD3.9, Off coast of Guerrero

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

IDC 05 07:50:18.2:1.1, 14:66N:91.02W, h0km, mb3.7/7, mb1.4/0.10, mb1mx3.8/45, mbtmp3.8/10, ML3.4/3, MS3.2/7, Ms1.3/2.7, ms1mx2.9/41, Error ellipse: s-maj=43.6km s-min=17.5km az=46.0

ISC/JB 05 07:50:24.4:0.6, 14:15N:0.05:91.83W:0.04, h82km, 4km, mb3.8/7, Error ellipse: s-maj=10.5km s-min=3.3km az=37.1

NEIC 05 07:50:25.4:0.9, 14:12N:91.82W, h78km, 9km, mb4.0/22, MD4.4(MEX), Error ellipse: s-maj=13.6km s-min=6.7km az=23.0

MEX 05 07:50:26.8:0.6, 14:12N:91.95W, h30km, 20km, MD4.4 CASO 05 07:50:26.9:1.8, 14:30N:91.60W, h17km, 18km, ML3.9, mb4.4(NEIC)

ISC 05 07:50:25.2:1.2, 14:17N:0.08:91.81W:0.06, h71km, 11km, n7.1, c141/81, mb3.9/17, Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IXG Ixapaco, PCIG Comitan, CCIG Comitan, etc.

2012 JUL

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COLS Colinas, BOOS Boqueron, UUES San Salvador, Serv Nac Est T, etc.

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Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MATI Mati, DAV Davao City (W), DAV Davao City (W), etc.

MAN 05 08:14:14.4:4.6:64N:126.56E, h71km, mb5.9, ML4.9, MS5.3 BUI 05 08:14:14.3:4.6:69N:126.64E, h64km, mb5.1/80, mb5.0/47, Ms4.4/74, Ms7.4/3/69 MOS 05 08:14:14.7:0.9:5:15N:126.49E, h34km, mb5.5/84, MS4.1/19, Error ellipse: s-maj=8.2km s-min=4.2km az=114.0 IDC 05 08:14:16.9:1.3:5:16N:126.53E, h39km, 10km, mb4.9/53, mb1.4/0.65, mb1mx4.0/77, mbtmp3.8/10, ML3.5/3, MS4.0/46, Ms1.4/0.47, ms1mx2.0/55, Error ellipse: s-maj=10.5km s-min=7.2km az=74.2

Table with columns for station codes (e.g., QIZ, KPJI, JOW), frequencies, and various performance metrics (e.g., pmax, LR, LR, LR).

Table with columns for station codes (e.g., ASAR, Alice Springs, AS01, ENH), frequencies, and various performance metrics (e.g., pmax, pmax, pmax).

Table with columns for station codes (e.g., TIY, MORW, FORT, FORT, QLP), frequencies, and various performance metrics (e.g., LR, LR, LR).

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like WAKE ISLAND, Gaotai, BWNBR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like PETK, PETK, PETK, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like ZALV, ZAM, ZAM, etc.

KHC	comp=2.200nm,17.1s		AMS	AMS	09 17 40.0	J40A	Soldiers Grove	12.08	31	P	PKPdf	08 33 05.1 -0.4	baz=325	T41A	Mountain View	124.84	37	P	PKPdf	08 33 13.0 +0.1	
KHC	Kasperske Hory	100.91	322	eP	Pdf		M38A	Pleasantville	121.12	34	P	PKPdf	08 33 04.9 -0.7	baz=311	O45A	Potomac	124.91	32	P	PKPdf	08 33 12.9 +0.1
KHC	comp=2.200nm,17.1s		MLR	MLR	08 28 01.6 -0.4	G43A	Wallace	121.21	28	P	PKPdf	08 33 06.8 +1.1	baz=313	S42A	Caledonia	124.94	36	P	PKPdf	08 33 13.5 +0.4	
MOA	Molin	100.94	321	ePdiff	Pdf		L39A	Vinton	121.30	33	P	PKPdf	08 33 05.8 -0.1	baz=308	N46A	Monticello	124.94	31	P	PKPdf	08 33 13.3 +0.4
GEC2	GERESS Array S	100.94	322	ePdif	Pdif		K40A	Colosburg	121.36	32	P	PKPdf	08 33 05.5 -0.5	baz=310	X39A	Fountain Ranch	124.97	41	P	PKPdf	08 33 14.2 +1.0
GEC2	GERESS Array S	100.94	322	eP	Pdif		O37A	Volven Farm, M	121.40	36	P	PKPdf	08 33 05.6 -0.6	baz=310	BWLO	Walkerton	124.97	24	P	PKPdf	08 33 14.0 +1.1
GERES	GERESS Array S	100.94	322	eP	Pdif		MATQ	Matagami	121.42	18	P	PKPdf	08 33 05.6 -0.3	baz=310	P44A	White Creek, Wi	124.99	33	P	PKPdf	08 33 13.7 +0.6
GEAO	GERESS Array S	100.94	322	ePdif	Pdif		J41A	Loganville	121.47	31	P	PKPdf	08 33 06.0 -0.3	baz=316	V40A	Witts Springs	124.99	39	P	PKPdf	08 33 13.4 +0.1
OBKA	Obir	101.22	319	ePdiff	Pdif		E45A	Wooded Hills,	121.48	25	P	PKPdf	08 33 06.8 +0.7	baz=310	CLWO	Collingwood	125.03	23	ePKPdf	PKPdf	08 33 13.3 +0.1
VISS	comp=Z,2.6nm,0.6s	101.26	319	iP	Pdif		I42A	Drager Farm,	121.64	30	P	PKPdf	08 33 05.8 -0.7	baz=317	R43A	Red Bud	125.09	35	P	PKPdf	08 33 13.7 0.0
KBA	Koelnbreinsper	101.79	320	ePdiff	Pdif		M39A	Webster	121.65	34	P	PKPdf	08 33 05.9 -0.7	baz=313	PEMO	Pembroke	125.12	20	P	PKPdf	08 33 13.3 +0.2
ABTA	Abfattersbach	101.74	320	ePdiff	Pdif		P37A	Latrop	121.65	37	P	PKPdf	08 33 06.3 -0.3	baz=310	U41A	Viola	125.20	38	P	PKPdf	08 33 13.9 +0.3
WTTA	Wattenberg	102.81	321	ePdiff	Pdif		JFWS	Jewell Farm	121.67	31	P	PKPdf	08 33 06.2 -0.4	baz=316	S4DQ	Sadowna	125.21	22	ePKPdf	PKPdf	08 33 13.5 +0.2
WATA	Walderalm	102.82	321	ePdiff	Pdif		P37A	Jewell Farm	121.67	31	ePKPdf	PKPdf	08 33 06.5 -0.1	baz=310	T42A	Tarver Farm	125.26	37	P	PKPdf	08 33 13.7 0.0
NVL	Nizarezskaya	102.84	198	eP	Pdif		JFWS	Jewell Farm	121.67	31	ePKPdf	PKPdf	08 33 07.5 +0.6	baz=304	T42A	Van Buren	125.26	37	ePKPdf	PKPdf	08 33 13.7 0.0
NVL					eSS	SS								MIAR	Miant	125.30	41	P	PKPdf	08 33 15.1 +1.3	
NVL					eS	SS								MIAR	Mount Ida	125.30	41	ePKPdf	PKPdf	08 33 15.1 +1.3	
NVL					pmax	pmax								P45A	Graceland, Par	125.42	32	P	PKPdf	08 33 14.5 +0.6	
MOTA	Mosasin	103.11	321	ePdiff	Pdif		J47A	Columbus	121.96	30	P	PKPdf	08 33 06.4 -0.1	baz=317	P45A	Graceland, Par	125.42	39	P	PKPdf	08 33 14.0 0.0
MOSI	Mosasin	103.11	321	ePdiff	Pdif		J32A	Fullon View Farm,	122.04	37	P	PKPdf	08 33 07.1 -0.3	baz=310	BANO	Bancroft	125.45	21	P	PKPdf	08 33 13.9 +0.1
FETA	Feichten	103.47	321	ePdiff	Pdif		M40A	Post Highland	122.06	33	P	PKPdf	08 33 07.1 -0.3	baz=310	S43A	Fullon Ridge,	125.49	36	P	PKPdf	08 33 14.2 +0.1
DAVA	Damuels	103.90	321	ePdiff	Pdif		P38A	Post Highland	122.11	36	P	PKPdf	08 33 07.1 -0.3	baz=314	TRQ	Mont Tremblant	125.52	18	ePKPdf	PKPdf	08 33 13.8 -0.2
UV01	Mina Array Sit	106.05	48	ePdif	Pdif		P38A	Dawn	122.11	36	ePKPdf	PKPdf	08 33 06.8 -0.8	baz=311	U42A	Reverden	125.62	38	P	PKPdf	08 33 14.5 +0.2
UV01	Mina Array Bea	106.05	48	ePdif	Pdif		P38A	Dawn	122.11	36	ePKPdf	PKPdf	08 33 06.8 -0.8	baz=311	Q45A	Waran Harvey,	125.65	33	P	PKPdf	08 33 15.2 +0.9
NVAR	comp=Z,0.8nm,0.7s,baz=296,slow=4.8,SNR=8.4				ePKKb	PKKb								ELFO	Elginfield	125.66	25	P	PKPdf	08 33 14.3 +0.1	
NVAR	comp=Z,0.8nm,0.7s,baz=249,slow=1.2,SNR=5.6				ePKKb	PKKb								O47A	Shelburne	125.72	31	P	PKPdf	08 33 14.3 -0.1	
NVAR	comp=Z,0.7nm,0.6s,baz=192,slow=4.9,SNR=8.4				ePKKb	PKKb								PLVO	Plevna	125.73	21	P	PKPdf	08 33 14.0 -0.3	
SNAA	Sanas	106.53	195	Pdif	Pdif		M40A	Post Highland	122.06	33	P	PKPdf	08 33 07.1 -0.3	baz=310	PLVO	Plevna	125.73	21	ePKPdf	PKPdf	08 33 14.4 +0.1
HLID	Hailey	106.83	42	P	PKIKP									QLS	Okolon	125.82	41	ePKPdf	PKPdf	08 33 14.9 +0.3	
EGMT	Eagleton	107.72	36	P	PKIKP									Y40A	Okolon	125.82	41	ePKPdf	PKPdf	08 33 15.2 +0.4	
DUG	Dugway, Tooele	109.31	44	P	PKIKP		TOAO	Torodi Ar. Sit	122.39	289	ePKPdf	PKPdf	08 33 06.9 -1.8	baz=310	PBMO	Poplar Bluff	125.82	37	ePKPdf	PKPdf	08 33 14.0 -0.7
DMRC	Granite Mounta	109.31	44	P	PKIKP		TOROD	Torodi Ar. Bea	122.39	289	PKP	PKPdf	08 33 07.8 -0.9	baz=314	ACTO	Acton	125.83	24	P	PKPdf	08 33 14.8 +0.2
GMC	Granite Mounta	109.31	44	P	PKIKP		TOA1	Torodi Ar. Sit	122.39	289	ePKPdf	PKPdf	08 33 07.8 -0.9	baz=314	V42A	Cord	125.88	38	P	PKPdf	08 33 14.9 0.0
PD31	Pinedale Array	110.37	41	ePKIKP	PKIKP		M41A	Cooks Store, C	122.49	37	P	PKPdf	08 33 07.6 -0.6	baz=310	PKRO	Pickering	125.92	23	P	PKPdf	08 33 15.2 +0.5
PD31	Pinedale Array	110.37	41	ePKIKP	PKIKP									ALFO	Alfred	125.94	19	P	PKPdf	08 33 14.8 +0.2	
PDAR	Pinedale Array	110.37	41	ePKIKP	PKIKP		P39B	Salisbury	122.65	36	P	PKPdf	08 33 08.7 +0.1	baz=315	U43A	Rector	126.11	37	P	PKPdf	08 33 15.6 +0.3
PDAR	Pinedale Array	110.37	41	ePKIKP	PKIKP		R38A	Ferneck Farm,	122.81	38	P	PKPdf	08 33 08.4 -0.5	baz=312	WLVO	Wesleyville	126.21	22	P	PKPdf	08 33 16.1 +0.8
PDAR	Pinedale Array	110.37	41	ePKIKP	PKIKP		Q39A	Willow Grove F	122.81	36	P	PKPdf	08 33 09.2 +0.3	baz=318	P47A	Martinsville	126.22	31	P	PKPdf	08 33 15.7 +0.3
PDAR	Pinedale Array	110.37	41	ePKIKP	PKIKP		TUL1	Leonard	123.03	41	P	PKPdf	08 33 10.0 +0.6	baz=310	S45A	Carrier Mills	126.28	35	P	PKPdf	08 33 15.9 +0.3
O20A	White River Ci	112.48	43	P	PKIKP		P40A	Paris	123.03	35	ePKPdf	PKPdf	08 33 09.2 -0.1	baz=312	BLO	Bloomington	126.32	32	ePKPdf	PKPdf	08 33 15.8 +0.2
RRSD	Black Hills	113.15	37	P	PKIKP		BELO	Bellefleur	123.13	20	P	PKPdf	08 33 08.9 -0.4	baz=310	Y41A	Eggleite Beard	126.33	41	P	PKPdf	08 33 17.1 +1.3
ISCO	Idaho Springs	114.41	42	P	PKIKP		S38A	Stockton	123.16	38	P	PKPdf	08 33 09.2 -0.4	baz=310	TYNO	Tyneside	126.34	24	P	PKPdf	08 33 15.6 +0.1
A33A	Warroad	114.91	29	P	PKIKP		JCT	Junction City	123.22	48	P	PKPdf	08 33 10.5 +0.5	baz=310	R46A	Gibon Southern	126.49	33	P	PKPdf	08 33 16.8 +0.9
SDCO	Great Sand Dun	115.00	44	P	PKIKP		JCT	Junction City	123.22	48	ePKPdf	PKPdf	08 33 10.6 +0.6	baz=316	Q47A	North L	126.55	32	P	PKPdf	08 33 16.8 +0.7
ANMO	Albuquerque	116.15	47	PKP	PKPdf		JCT	Junction City	123.22	48	ePKIKP	PKPdf	08 33 10.6 +0.6	baz=310	N50A	Nevada	126.79	28	P	PKPdf	08 33 17.2 +0.7
RRSD	Black Hills	113.15	37	P	PKIKP		R39A	Chumby, Stover	123.25	37	P	PKPdf	08 33 09.5 -0.2	baz=312	PQI	Route Isle	126.82	13	ePKPdf	PKPdf	08 33 16.9 +0.6
ISCO	Idaho Springs	114.41	42	P	PKIKP		M42A	Walham Townsh	123.40	32	P	PKPdf	08 33 09.9 0.0	baz=310	MEDO	Medina	126.84	23	P	PKPdf	08 33 17.1 +0.6
A33A	Warroad	114.91	29	P	PKIKP		N42A	City	123.26	33	P	PKPdf	08 33 08.7 -1.0	baz=312	LONY	Lake Ozona	126.94	19	ePKPdf	PKPdf	08 33 17.1 +0.4
SDCO	Great Sand Dun	115.00	44	P	PKIKP		O41A	Passleys Farm,	123.29	34	P	PKPdf	08 33 09.5 -0.3	baz=312	R47A	Woody Knot Far	126.96	33	P	PKPdf	08 33 17.3 +0.4
ANMO	Albuquerque	116.15	47	PKP	PKPdf		T38A	Diamond	123.30	39	P	PKPdf	08 33 10.1 +0.2	baz=307	O50A	Cable	127.05	29	P	PKPdf	08 33 16.8 -0.2
TASL	Snake Pit, Alb	116.15	47	P	PKPdf		Q40A	Laux Farm, Aux	123.37	36	P	PKPdf	08 33 10.1 +0.1	baz=312	ERPA	Erie	127.10	25	P	PKPdf	08 33 17.3 +0.3
E35A	Pequot Lakes	117.01	31	P	PKPdf		M43A	Walham Townsh	123.40	32	P	PKPdf	08 33 10.1 +0.1	baz=312	T46A	Princeton	127.11	35	P	PKPdf	08 33 17.6 +0.4
G34A	Benson	117.25	32	P	PKPdf		S39A	Bolivar	123.48	38	P	PKPdf	08 33 10.4 +0.1	baz=312	WCI	Wyandotte Cave	127.14	32	P	PKPdf	08 33 17.4 +0.2
F36A	Swanville	117.40	31	P	PKPdf		P41A	Barry, Barry	123.49	34	P	PKPdf	08 33 10.2 -0.1	baz=316	WCI	Wyandotte Cave	127.14	32	ePKPdf	PKPdf	08 33 17.2 0.0
E35A	Pequot Lakes	117.01	31	P	PKPdf		S38A	Stockton	123.16	38	P	PKPdf	08 33 10.3 +0.1	baz=312	WCI	Wyandotte Cave	127.14	32	ePKIKP	PKPdf	08 33 17.2 0.0
F36A	Swanville	117.40	31	P	PKPdf		N43A	Stutzman Famil	123.64	32	P	PKPdf	08 33 10.5 +0.1	baz=310	R48A	Northridge Par	127.24	32	P	PKPdf	08 33 18.4 +0.1
E35A	Pequot Lakes	117.01	31	P	PKPdf		R40A	Maddies Statio	123.72	36	P	PKPdf	08 33 10.7 0.0	baz=312	241A	Mo Ta	127.27	43	P	PKPdf	08 33 19.0 +1.4
F36A	Swanville	117.40	31	P	PKPdf		R40A	Maddies Statio	123.72	36	ePKPdf										

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ°	Op	ISC	h m s	ISC
BINY	Binghamton	128.59	21	ePKPpdf	PKPpdf	08 33 20.6 +0.7	
V48A	Smith Brothers	128.64	35	P	PKPpdf	08 33 20.0 -0.2	
	baz=316,SNR=7.6						
V48A	Smith Brothers	128.64	35	ePKPpdf	PKPpdf	08 33 20.8 +0.6	
U49A	Red Boiling Sp	126.67	34	P	PKPpdf	08 33 21.0 +0.9	
	baz=317,SNR=14						
Y46A	Houston	128.71	38	P	PKPpdf	08 33 20.9 +0.6	
	baz=312						
T50A	Nancy	128.81	32	P	PKPpdf	08 33 21.0 +0.6	
	baz=318,SNR=10						
Y47A	Russelville	128.89	37	P	PKPpdf	08 33 21.0 +0.3	
	baz=314,SNR=6.3						
SS1A	Beattyville	128.99	31	P	PKPpdf	08 33 20.6 -0.2	
	baz=320,SNR=7.2						
W48A	Pulaski	129.00	36	P	PKPpdf	08 33 20.9 +0.1	
	baz=315,SNR=5.7						
344A	Westbrook Farm	129.08	42	P	PKPpdf	08 33 21.1 0.0	
	baz=309						
344A	Westbrook Farm	129.08	42	ePKPpdf	PKPpdf	08 33 21.1 0.0	
Z46A	Louisville	129.12	39	P	PKPpdf	08 33 22.2 +1.0	
	baz=312						
V49A	McMinnville	129.14	34	P	PKPpdf	08 33 21.2 +0.1	
	baz=316,SNR=11						
MCWV	North Chateauf	129.19	26	P	PKPpdf	08 33 21.2 +0.1	
	baz=325,SNR=11						
SSPA	Standing Stone	129.20	24	P	PKPpdf	08 33 21.5 +0.4	
	baz=328						
SSPA	Standing Stone	129.20	24	ePKPpdf	PKPpdf	08 33 21.6 +0.6	
SS2A	Saltysville	129.22	31	P	PKPpdf	08 33 21.3 +0.3	
	baz=321,SNR=5.2						
O56A	Blue Knob Stat	129.23	25	P	PKPpdf	08 33 21.3 +0.1	
	baz=327,SNR=7.8						
O56A	Blue Knob Stat	129.23	25	ePKPpdf	PKPpdf	08 33 21.6 +0.4	
U50A	Jamestown	129.25	33	P	PKPpdf	08 33 21.5 +0.1	
	baz=318						
Y47A	UCPARG, Winfie	129.31	37	P	PKPpdf	08 33 21.5 +0.1	
	baz=313						
W49A	Belvidere	129.40	35	P	PKPpdf	08 33 21.7 +0.1	
	baz=316,SNR=8.5						
X48A	Hartselle	129.42	36	P	PKPpdf	08 33 21.0 -0.7	
	baz=315,SNR=6.4						
X48A	Hartselle	129.42	36	ePKPpdf	PKPpdf	08 33 21.0 -0.7	
345A	Thompson Farm,	129.64	42	P	PKPpdf	08 33 22.9 +0.7	
	baz=310						
Z47A	Carrollton	129.66	38	P	PKPpdf	08 33 22.4 +0.3	
	baz=311						
V50A	Pikeville	129.66	34	P	PKPpdf	08 33 22.4 +1.3	
	baz=317,SNR=6.4						
T52A	Hallie	129.71	31	P	PKPpdf	08 33 23.7 +0.5	
	baz=320,SNR=5.9						
Y48A	Jasper	129.72	37	P	PKPpdf	08 33 22.3 0.0	
	baz=314						
N59A	State Game Lan	129.79	22	P	PKPpdf	08 33 23.6 +1.3	
	baz=331						
N59A	State Game Lan	129.79	22	ePKPpdf	PKPpdf	08 33 22.6 +0.4	
HRV	Adam Dzewonsk1	129.79	17	P	PKPpdf	08 33 22.0 -0.1	
	baz=336						
X49A	Woodville	129.80	36	P	PKPpdf	08 33 22.4 0.0	
	baz=315,SNR=7.1						
TZTN	Tazewell	129.85	32	P	PKPpdf	08 33 23.2 +0.8	
	baz=309,SNR=7.4						
TZTN	Tazewell	129.85	32	ePKPpdf	PKPpdf	08 33 22.6 +0.1	
147A	Northport	129.85	38	P	PKPpdf	08 33 22.3 -0.2	
	baz=313						
Z48A	Livingston	129.88	39	P	PKPpdf	08 33 23.4 +0.8	
	baz=312						
W50A	Signal Mountai	129.88	34	P	PKPpdf	08 33 23.8 +0.2	
	baz=317,SNR=7.4						
W50A	Signal Mountai	129.88	34	ePKPpdf	PKPpdf	08 33 19.2 -3.4	
V51A	Louden	129.97	33	P	PKPpdf	08 33 23.3 +0.6	
	baz=318,SNR=11						
U52A	Thorn Hill	130.06	32	P	PKPpdf	08 33 23.6 +0.7	
	baz=320						
ODNJ	Ogdenboro	130.07	21	ePKPpdf	PKPpdf	08 33 22.7 0.0	
KGC	Kosan Bokk	130.14	283	ePKPpdf	PKPpdf	08 33 23.9 +0.3	
	comp=Z,148nm,1.5s						
DBIC	Dimbokro	130.19	283	PKP	SKPbc	08 33 24.8 +1.1	
	comp=Z,4.8nm,0.7s,baz=61,slow=3.1,SNR=7.1						
DBIC	Dimbokro	130.19	283	PKP	SKPbc	08 36 42.5 +0.7	
Y49A	Blount Mountai	130.21	36	P	PKPpdf	08 33 23.7 +0.5	
	baz=315						
Y49A	Blount Mountai	130.21	36	ePKPpdf	PKPpdf	08 33 24.2 +1.0	
W51A	Cleveland	130.22	34	P	PKPpdf	08 33 23.9 +0.7	
	baz=317						
X50B	Fort Payne	130.22	35	P	PKPpdf	08 33 24.0 +0.7	
	baz=316						
148A	Greensboro	130.34	38	P	PKPpdf	08 33 24.3 +0.9	
	baz=313						
TIC	Toumoudi	130.35	283	ePKP1	PKPpdf	08 33 24.9 +0.9	
V52A	Sevierville	130.35	32	P	PKPpdf	08 33 25.0 +1.5	
	baz=319,SNR=10						
V52A	Sevierville	130.35	32	ePKPpdf	PKPpdf	08 33 24.2 +0.7	
MVL	Millersville	130.36	23	ePKPpdf	PKPpdf	08 33 23.4 +0.1	
PAL	Palisades	130.38	20	P	PKPpdf	08 33 24.2 +0.9	
TKL	Tuckaleechee C	130.43	33	PKP	PKPpdf	08 33 24.3 +0.8	
	comp=Z,4.4nm,0.7s,baz=315,slow=2.9,SNR=14						
LRAL	Lakeview Retre	130.43	38	ePKPpdf	PKPpdf	08 33 24.0 +0.3	
LIC	Lamo	130.44	283	ePKP1	PKPpdf	08 33 24.5 +0.3	
U53A	Full Branch	130.49	31	P	PKPpdf	08 33 23.7 0.0	
	baz=329,SNR=6.8						
Z49A	Columbiana	130.60	37	P	PKPpdf	08 33 24.5 +0.5	
	baz=314						
X51A	Calhoun	130.60	35	P	PKPpdf	08 33 24.4 +0.5	
	baz=317,SNR=5.3						
248A	Dixon Mills	130.61	39	P	PKPpdf	08 33 25.1 +1.1	
	baz=312						
W52A	Murphy	130.73	33	P	PKPpdf	08 33 25.4 +1.2	
	baz=316						
W52A	Murphy	130.73	33	ePKPpdf	PKPpdf	08 33 25.2 +1.0	
PSUB	Penn St. Bra	130.77	22	ePKPpdf	PKPpdf	08 33 24.5 +0.4	
149A	Jones	130.85	38	P	PKPpdf	08 33 24.9 +0.5	
	baz=314,SNR=5.5						
V53A	Saluda	130.90	32	P	PKPpdf	08 33 25.7 +1.2	
	baz=320,SNR=7.0						
BLA	Blacksburg	130.90	29	P	PKPpdf	08 33 24.2 -0.3	
	baz=323						
Z50A	Ashland	130.92	37	P	PKPpdf	08 33 25.3 +0.7	
	baz=315,SNR=7.7						
249A	Camden	131.07	39	P	PKPpdf	08 33 25.3 +0.4	
	baz=313						
W53A	Cullowhee	131.09	33	P	PKPpdf	08 33 26.9 +1.9	
	baz=319,SNR=9.5						
X52A	Dalhousie	131.11	34	P	PKPpdf	08 33 25.9 +1.0	
	baz=318						
IP04	Greensprings	131.25	26	ePKPpdf	PKPpdf	08 33 26.0 +1.0	
150A	Electic	131.31	37	P	PKPpdf	08 33 26.1 +0.7	
IP03	Louisa	131.34	26	ePKPpdf	PKPpdf	08 33 25.6 +0.4	
IP01	Cuckoo	131.44	26	ePKPpdf	PKPpdf	08 33 24.6 -0.7	
CBN	Corbin Frederi	131.47	25	P	PKPpdf	08 33 27.5 +2.1	
	baz=328						
CBN	Corbin Frederi	131.47	25	ePKPpdf	PKPpdf	08 33 27.0 +1.6	
X53A	Estanoolle	131.51	33	P	PKPpdf	08 33 27.4 +1.8	
	baz=319,SNR=18						
Y52A	Liburn	131.56	35	P	PKPpdf	08 33 27.8 +2.0	
	baz=317						
Y52A	Liburn	131.56	35	ePKPpdf	PKPpdf	08 33 26.6 +0.8	
250A	Grady	131.60	38	P	PKPpdf	08 33 27.4 +1.5	
	baz=314						
250A	Grady	131.60	38	ePKPpdf	PKPpdf	08 33 25.8 -0.1	
IP05	Hopewell Churc	131.61	26	ePKPpdf	PKPpdf	08 33 26.5 +0.8	
BRAL	Brewton	131.66	40	P	PKPpdf	08 33 28.2 +2.2	
	baz=312						
151A	Opekila	131.79	37	P	PKPpdf	08 33 26.4 +0.2	
	baz=315						
Y53A	Monroe	131.84	34	P	PKPpdf	08 33 27.0 +0.7	
	baz=318						
Z52A	Williamson	131.85	35	P	PKPpdf	08 33 28.0 +1.7	
	baz=317						
350A	Dozier	131.94	39	P	PKPpdf	08 33 27.7 +1.2	
	baz=313						
251A	Midway	132.04	37	P	PKPpdf	08 33 27.7 +1.0	
	baz=315						
152A	Waverly Hall	132.05	36	P	PKPpdf	08 33 27.7 +1.0	
	baz=316						
152A	Waverly Hall	132.05	36	ePKPpdf	PKPpdf	08 33 27.2 +0.5	
KMSC	Kings Mountain	132.08	31	P	PKPpdf	08 33 27.9 +1.2	
	baz=321						
KMSC	Kings Mountain	132.08	31	ePKPpdf	PKPpdf	08 33 26.6 -0.1	
NCAT	North Carolina	132.12	29	ePKPpdf	PKPpdf	08 33 28.0 +1.2	
GOGA	Godfrey	132.23	35	P	PKPpdf	08 33 28.0 +1.0	
	baz=318						
Z53A	Monticello	132.27	35	P	PKPpdf	08 33 26.6 -0.5	
	baz=318						

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ°	Op	ISC	h m s	ISC
Y54A	Tignall	132.33	33	P	PKPpdf	08 33 28.2 +1.0	
	baz=319						
252A	Lumpkin	132.52	37	P	PKPpdf	08 33 28.3 +0.7	
	baz=316						
Z54A	Spaulding	132.71	34	P	PKPpdf	08 33 29.4 +1.5	
	baz=318						
352A	Blakely	132.77	38	P	PKPpdf	08 33 28.9 +0.8	
	baz=315						
352A	Blakely	132.77	38	ePKPpdf	PKPpdf	08 33 27.8 -0.3	
Z55A	Blakely	132.78	36	P	PKPpdf	08 33 29.4 +1.2	
	baz=316						
Z55A	Blythe	133.12	34	P	PKPpdf	08 33 29.6 +1.0	
	baz=319						
155A	Kittling	133.38	34	P	PKPpdf	08 33 30.9 +1.7	
	baz=318						
453A	Whigham	133.57	38	P	PKPpdf	08 33 30.7 +1.0	
	baz=315						
TIGA	Tifton	133.60	36	P	PKPpdf	08 33 30.8 +1.2	
	baz=316						
PLCA	Paso Flores	141.34	159	PKhKP	PKPpre	08 33 40.6	
	comp=Z,7.8nm,0.9s,baz=253,slow=0.8,SNR=4.0						
PLCA	Paso Flores	141.34	159	SKPbc	SKIKP	08 37 18.4 +0.6	
	comp=Z,5.0nm,0.7s,baz=297,slow=2.9,SNR=7.7						
PLCA	Paso Flores	141.34	159	ePKPpdf	PKPpdf	08 33 43.5 -0.2	
PLCA	Paso Flores	141.34					

5d 8h

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ellipse: s-maj=160.9km s-min=117.7km az=136.0

ISC 05 08:49:05.8±0.4, 33.53N, 02:45.89E±0.01, h19km, 2km, n173, o1852/278, mb3.6/11, 29C-34D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GROCO Groznyy, DLMLR Dylym, DLMLR Dubki, BTLR Botlikh, KRNRR Karanay, UNCR Uncukul, BUJR Buynaks, and MAK Makhachkala.

Table with columns: NCK, NALCHIK, DUSHETI, DUSHE TI, DIGORSKOE UZHE, KUBA-TABA, URKARAKH, Tbilisi Sea, ZAKATA LA, DELISI, NEYTRINO, DERBENT, KISLOVOVSK ARR, SHIDZHATMAZ, AKHTY, QAZAX, SEKA, QUSAR, GEDABAY, KHINALIQ, GANJ, QUBA, GALABA, SIYZ, PIRKULI, GARNI, NALCHIK. Includes time and residue values.

Table with columns: ATGJ, LERIK, LRR, ASTRA, AKTYUBINSK, AKTO, AKTUAK, OBNSK, OBNSK, ARTI, SVERDLOVSK, KLIMOVSKO E, KARATAY ARR, BOROVYE, BOROVYE ARR, VASULA, FINES ARR, GERESS ARR, KURCHATOV ARR, KURCHATOV ARR, HFS, MKAR, NB2, SPITSBERGEN AR, TORODI AR, BILLIBINO, YKAWITNITE AR. Includes time and residue values.

ISCJB 05 08:53:11.0±0.7, 18.0S±0.2, 178.0W±0.2, h590km, mb3.5/10, Error ellipse: s-maj=35.2km s-min=15.6km az=149.7

IDC 05 08:53:18.2±4.4, 18.11S±1.78, 178.05W, h670km, 54km, mb3.0/10, mb1.3/10, mb1mx3.0/49, mbtmp4.0/10, Error ellipse: s-maj=28.4km s-min=20.9km az=153.0

ISC 05 08:53:17.0±0.8, 18.05S±0.2, 177.9W±0.2, h590km, n12, o1809/14, mb3.5/10, Fiji Islands Region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warrungarra, ASAR Alibi Springs, FITZ Fitzroy Crossi, QSPA South Pole Qui, NVAR Mina Array Be, TXAR Tixaranga Array, ILAR Eielson Array, PDAR Pinedale Array, CMAR Ching Mai Arr, BRTR Kirinok Array B, GERES GERESS Array B. Includes time and residue values.

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Main table containing flight data with columns for city, time, status, and flight number. Includes sections for '5d 9h' and various international routes.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Rows include BOD Bodaibo, ZAK Zakamensk, IRK irkutsk, TLY Talaya, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Rows include DMN Daman, GKN Gorkha, KURK Kurchatov, KURKB Kurchatov, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Rows include HYB Hyderabad, SVE Sverlovsk, DZM Mont Dzumak, etc.

5d 9h

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Table with columns: Call Sign, Name, Comp, Az, El, AzEl, P, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes entries like MSFE Esma-Masafi, M04C Macdoel, U05A Minaziff, etc.

Table with columns: Call Sign, Name, Comp, Az, El, AzEl, P, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes entries like KIEV Kiev, KIEV Kiev, KIEV Kiev, etc.

Table with columns: Call Sign, Name, Comp, Az, El, AzEl, P, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes entries like SZCU Shurtz Canyon, BELC Belle Mtn. Jos, LDFO Landfall, etc.

MORC	Moravsky Berou	84.45 327	i/P	P	P	09 58 51.0 +0.6
MORC	Moravsky Berou	84.45 327	eP	P	P	09 58 51.3 +0.5
MORC	Moravsky Berou	84.45 327	eP	pmax	pmax	09 58 51.3 +0.5
MORC	Moravsky Berou	84.45 327	eP	P	P	09 58 51.4 +0.6
KRLC	Kralupy	84.58 328	eP	P	P	09 58 52.6 +1.1
KRLC	Kralupy	84.58 328	eP	P	P	09 58 52.5 +1.0
DPG	Dobruska-Polom	84.59 328	eP	AMS	AMS	10 40 30.0
DPG	Dobruska-Polom	84.59 328	eP	MLR	MLR	09 58 52.5 +1.0
DPG	Dobruska-Polom	84.59 328	eP	AMS	AMS	10 40 30.0
AGNM	Agassiz Nation	84.60 35	P	P	P	09 58 50.8 -0.8
UPC	Ulice	84.61 329	eP	S	S	09 58 52.5 +0.9
UPC	Ulice	84.61 329	eP	AMS	AMS	10 40 40.0
UPC	Ulice	84.61 329	eP	MLR	MLR	09 58 52.5 +0.9
UPC	Ulice	84.61 329	eP	AMS	AMS	10 09 18.5
PSZ	Piszketo	84.65 325	i/P	P	P	09 58 52.8 +0.8
PSZ	Piszketo	84.65 325	eP	P	P	09 58 53.2 +1.3
PSZ	Piszketo	84.65 325	eP	P	P	09 58 52.7 +0.8
PSZ	Piszketo	84.65 325	eP	pmax	pmax	09 58 52.7 +0.8
MVCO	Mesa Verde	84.67 49	P	P	P	09 58 53.3 +0.8
MVCO	Mesa Verde	84.67 49	eP	P	P	09 58 53.6 +1.2
TAOE	Nuku Hiva Isla	84.75 104	eLR	LR	LR	10 25 23.6
VYHS	Vyhne	84.75 326	eP	pmax	pmax	09 58 52.9 +0.5
VYHS	Vyhne	84.75 326	eP	P	P	09 58 52.9 +0.5
214A	Organ Pipe Nat	84.86 55	P	P	P	09 58 53.8 +0.5
ISCO	Idaho Springs	84.89 46	eP	P	P	09 58 54.1 +0.5
ISCO	Idaho Springs	84.89 46	eP	P	P	09 58 55.0 +1.4
MMAI	Mount Meron Ar	84.94 306	P	P	P	09 58 54.1 +0.4
JAVC	Velka Javorina	85.04 327	eP	P	P	09 58 55.6 +1.7
VRAC	Vranov	85.22 328	eP	P	P	09 58 55.3 +0.6
VRAC	Vranov	85.22 328	eP	P	P	09 58 55.4 +0.7
PVCC	Panska Ves	85.22 329	eP	AMS	AMS	10 43 00.0
PVCC	Panska Ves	85.22 329	eP	MLR	MLR	09 58 55.7 +1.0
BRG	Bergjiesshubel	85.24 330	ePKP	P	P	09 58 54.8 +0.1
BRG	Bergjiesshubel	85.24 330	eP	pmax	pmax	09 58 54.8 +0.1
CLL	Collim	85.31 331	i/P	P	P	09 58 55.1 +0.1
CLL	Collim	85.31 331	eP	sP	sP	10 09 06.8 0.0
CLL	Collim	85.31 331	eP	S	S	10 09 27.0 +3.2
CLL	Collim	85.31 331	eP	S	S	10 09 27.0 +3.2
CLL	Collim	85.31 331	eP	P	P	09 58 54.9 -0.1
CLL	Collim	85.31 331	i/P	P	P	09 58 55.1 +0.1
CLL	Collim	85.31 331	eP	pmax	pmax	10 09 27.0 +3.2
S22A	4UR Ranch, Cre	85.41 48	P	P	P	09 58 56.7 +0.5
S22A	4UR Ranch, Cre	85.41 48	eP	P	P	09 58 57.9 +1.7
KRUC	Krucky	85.48 327	eP	P	P	09 58 56.4 +0.4
MODS	Modra-Piesok	85.57 327	eP	pmax	pmax	09 58 57.4 +0.9
MODS	Modra-Piesok	85.57 327	eP	P	P	09 58 57.4 +0.9
GOPC	GO Pecny, Ondr	85.58 329	eP	S	S	10 09 28.0 +1.4
GOPC	GO Pecny, Ondr	85.58 329	eP	AMS	AMS	10 41 30.0
GOPC	GO Pecny, Ondr	85.58 329	eP	MLR	MLR	09 58 57.3 +0.8
GOPC	GO Pecny, Ondr	85.58 329	eP	AMS	AMS	10 09 28.0
PRU	Pruhonic	85.63 329	eS	S	S	10 09 28.1 +1.0
PRU	Pruhonic	85.63 329	eP	AMS	AMS	10 41 30.0
TBI	Tubuai	85.87 121	eLR	LR	LR	10 25 39.8
MDRV	Moldovai	85.88 322	i/P	P	P	09 58 57.4 -0.7
TUC	Tucson	86.06 54	eP	P	P	09 59 01.0 +1.7
TUC	Tucson	86.06 54	eP	pmax	pmax	09 59 01.0 +1.7
SDCO	Great Sand Dun	86.23 47	P	P	P	09 59 00.6 +0.3
SDCO	Great Sand Dun	86.23 47	eP	P	P	09 59 01.4 +1.1
MORH	MOR H'ry, Hung	86.45 324	eP	P	P	09 59 00.6 -0.2
CONA	Conrad Observa	86.55 327	ePcP	P	P	09 59 02.2 +0.8
VTS	Vitosha	86.55 319	eP	P	P	09 59 03.2 +1.6
KHC	Kasperske Hory	86.69 329	eS	S	S	10 09 40.8 +3.3
KHC	Kasperske Hory	86.69 329	eP	AMS	AMS	10 45 50.0
KHC	Kasperske Hory	86.69 329	eP	P	P	09 59 02.6 +0.6
KHC	Kasperske Hory	86.69 329	eP	pmax	pmax	09 59 02.6 +0.6
GEC2	GERS Array S	86.85 329	eP	P	P	09 59 02.7 -0.1
GEC2	GERS Array S	86.85 329	eP	pmax	pmax	09 59 02.7 -0.1
GEC2	GERS Array S	86.85 329	eP	AMS	AMS	10 09 28.1 +1.0
GEC2	GERS Array S	86.85 329	eP	P	P	09 59 02.7 -0.1
GEOA	Arzberg	87.20 327	ePcP	P	P	09 59 02.5 -0.4
ARSA	Arzberg	87.20 327	ePcP	P	P	09 59 04.9 +0.4
DIVS	Divibare	87.25 322	eP	P	P	09 59 04.3 -0.5
MOA	Molin	87.34 328	ePcP	P	P	09 59 05.9 +0.8
ANMO	Albuquerque	87.36 50	eP	P	P	09 59 06.8 +1.0
ANMO	Albuquerque	87.36 50	eP	AMS	AMS	10 34 43.4
ANMO	Albuquerque	87.36 50	eP	P	P	09 59 07.5 +1.8
ANMO	Albuquerque	87.36 50	eP	pmax	pmax	09 59 07.1 +1.4
ANMO	Albuquerque	87.36 50	eP	P	P	09 59 07.2 -0.3
ECSO	EROS Data Cent	87.39 38	P	P	P	09 59 05.7 +0.2
ECSO	EROS Data Cent	87.39 38	eP	P	P	09 59 06.0 +0.3
G35A	Watkins	87.44 36	P	P	P	09 59 06.5 +0.8
G35A	Watkins	87.44 36	eP	P	P	09 59 07.4 +0.7
H35A	Sunnyside Ranc	87.63 37	P	P	P	09 59 06.8 +0.4
EKA	Eskdalemuir Ar	87.64 341	P	LR	LR	10 44 16.3
PERS	Pernice	87.84 326	i/P	P	P	09 59 07.6 -0.1
PERS	Pernice	87.84 326	eP	P	P	09 59 07.6 -0.1
SOKA	Soboth	87.85 326	ePcP	P	P	09 59 07.7 0.0
H36A	Jessenland, He	88.17 36	P	P	P	09 59 10.5 +1.3

F38A	Pierce - Schro	88.17 34	P	P	P	09 59 09.7 +0.5
OBKA	Obr	88.20 327	eP	P	P	09 59 07.8 -1.6
SPMN	Marine on St.	88.26 35	eP	P	P	09 59 09.9 +0.3
SPMN	Marine on St.	88.26 35	eP	P	P	09 59 10.3 +0.8
KBA	Koelnbreinsers	88.33 328	ePcP	P	P	09 59 10.4 +0.3
E39A	Mellen	88.49 33	P	P	P	09 59 10.9 +0.3
MYKA	Mystica	88.53 327	eP	P	P	09 59 10.3 -0.6
VISS	Visnje	88.58 326	i/P	P	P	09 59 10.6 -0.5
VISS	Visnje	88.58 326	i/P	P	P	09 59 10.6 -0.5
H37A	Dierke Farm, C	88.67 36	P	P	P	09 59 11.6 +0.1
E40A	Wakefield	88.74 33	P	P	P	09 59 12.3 +0.5
GBRS	Gornja Briga	88.80 326	i/P	P	P	09 59 11.6 -0.6
GBRS	Gornja Briga	88.80 326	i/P	P	P	09 59 12.7 +0.3
I37A	Lemond, Waseca	88.84 36	eP	P	P	09 59 13.6 +1.2
I37A	Lemond, Waseca	88.84 36	eP	P	P	09 59 13.1 +0.7
J36A	Seneca 1, Swea	88.85 37	P	P	P	09 59 13.2 +0.7
J36A	Seneca 1, Swea	88.85 37	eP	P	P	09 59 14.5 +1.5
WTTA	Waltenberg	88.95 329	PcP	P	P	09 59 12.5 -0.5
ABTA	Abfaltersbach	88.95 328	ePcP	P	P	09 59 14.8 +1.0
MOTA	Mossalm	89.12 329	ePcP	P	P	09 59 14.0 +0.3
E41A	Kenton	89.15 32	P	P	P	09 59 14.0 +0.3
RETA	Reutte	89.16 329	ePcP	P	P	09 59 14.0 +0.1
H39A	Augusta	89.40 35	P	P	P	09 59 16.2 +0.9
G40A	Rib Lake	89.48 34	P	P	P	09 59 16.2 +0.9
BFO	Black Forest	89.53 331	i/P	P	P	09 59 16.2 +0.7
FETA	Feichten	89.54 329	ePcP	P	P	09 59 15.6 -0.1
DAVA	Damuels	89.70 330	i/PcP	P	P	09 59 16.3 -0.2
SCHO	Schoefferville	89.74 16	P	P	P	09 59 16.6 +0.3
SCHO	Schoefferville	89.74 16	eP	P	P	09 59 16.6 +0.3
MNTX	Corndus Mount	90.08 52	P	P	P	09 59 19.8 +1.4
DAVOX	Davos/Dischmat	90.09 329	P	P	P	09 59 18.1 -0.3
TUE	Stuetta	90.56 329	eP	P	P	09 59 19.5 -1.1
KSU1	Kansas State U	90.60 42	eP	P	P	09 59 20.8 +0.1
L39A	Vinton	90.92 37	P	P	P	09 59 22.1 +0.1
K40A	Colesburg	90.93 36	P	P	P	09 59 21.4 -0.8
MATO	Matagami	91.06 24	P	P	P	10 42 28.6
ATD	Artifonel	91.33 284	LR	LR	LR	10 42 28.6
WMOK	Wichita Mounta	92.31 46	P	P	P	09 59 28.8 +0.1
WMOK	Wichita Mounta	92.31 46	eP	P	P	09 59 29.4 +0.7
WMOK	Wichita Mounta	92.31 46	eP	pmax	pmax	09 59 29.4 +0.7
LTX	Lajas	92.71 53	eP	P	P	09 59 31.6 +0.9
LTX	Lajas	92.71 53	eP	P	P	09 59 31.7 +0.9
TX31	Lajas Array	92.71 53	eP	P	P	09 59 32.1 +1.3
TXAR	Lajas Array	92.71 53	eP	LR	LR	10 36 45.6
R38A	Fenwick Farm,	92.75 41	P	P	P	09 59 30.7 +0.1
P40A	Paris	92.78 39	eP	P	P	09 59 30.6 -0.2
P40A	Paris	92.78 39	eP	P	P	09 59 31.5 +0.7
BNI	Bardonecchia	92.83 330	eP	P	P	09 59 30.5 -0.6
BNI	Bardonecchia	92.83 330	eP	pmax	pmax	09 59 30.5 -0.6
HPIG	Chumby, Stover	92.85 56	eP	P	P	09 59 34.7 +3.1
R39A	Stockton	93.14 40	P	P	P	09 59 32.2 -0.2
S38A	Stockton	93.14 40	P	P	P	09 59 31.7 -0.8
Q40A	Laux Farm, Aux	93.16 39	P	P	P	09 59 32.1 -0.4
T38A	Diamond	93.35 42	P	P	P	09 59 33.6 +0.1
S39A	Bolivar	93.42 41	P	P	P	09 59 33.4 -0.4
S39A	Bolivar	93.42 41	eP	P	P	09 59 33.7 -0.1
R40A	Maddies Statio	93.57 40	P	P	P	09 59 34.3 -0.1
R40A	Maddies Statio	93.57 40	eP	P	P	09 59 34.7 +0.3
P42A	Winchester	93.64 38	P	P	P	09 59 35.2 +0.5
P42A	Winchester	93.64 38	eP	P	P	09 59 35.3 +0.6
S40A	Lebanon	93.94 40	P	P	P	09 59 36.1 0.0
R41A	Rosebud	94.04 39	P	P	P	09 59 36.2 -0.4
HHAR	Hobbs	94.09 42	eP	P	P	09 59 36.7 -0.2
U39A	Green Forest	94.27 42	P	P	P	09 59 37.5 -0.2
CCM	Cathedral Cave	94.29 39	P	P	P	09 59 38.5 +0.8
JCT	Junction City	94.52 50	eP	P	P	09 59 39.0 0.0
JCT	Junction City	94.52 50	eP	pmax	pmax	09 59 39.0 0.0
V39A	Pettigrew	94.57 42	P	P	P	09 59 39.0 -0.2
U40A	Yellville	94.64 41	P	P	P	09 59 39.5 +0.1
S42A	Caledonia	94.74 39	P	P	P	09 59 40.2 +0.4
T41A	Mountain View	94.75 40	P	P	P	09 59 40.0 +0.2
X39A	Mountain Ranch	95.24 43	P	P	P	09 59 42.7 +0.5
V41A	Mountainview	95.45 41	P	P	P	09 59 43.1 0.0
MIAR	Mount Ida	95.53 43	P	P	P	09 59 43.8 +0.3
MIAR	Mount Ida	95.53 43	eP	P	P	09 59 44.1 +0.6
MIAR	Mount Ida	95.53 43	eP	pmax	pmax	09 59 44.1 +0.6
RKT	Rikitea	96.67 113	eLR	LR	LR	10 30 44.0
TOA1	Torodi Ar. Sit	120.80 319	ePKP	PKP	PKP	10 05 09.7 -1.3
TORD	Torodi Ar. Bea	120.80 319	ePKP	PKP	PKP	10 05 09.7 -1.3
GSPA	South Pole Qui	122.11 180	ePKP	PKP	PKP	10 05 12.2 +0.3
SAML	Samuel	147.17 50	ePKP	P	P	10 06 02.0 0.0
SAMZ	Samuel	147.17 50	ePKP	P	P	10 06 02.0 0.0
LPAZ	La Paz	148.53 67	ePKP	P	P	10 06 07.2 +0.9
LPAZ	La Paz	148.53 67	ePKP	PKP	PKP	10 06 07.6 +1.3

ISCJB 05 09:49:27.5 0.2, 41:93N;0:03:141:46E;0.03, h100km;2km,mb4.2/24, Error ellipse: s-maj=5.1km

s-min=3, 1km az=138.1
 JMA 05 09:49:28.7 0.1, 41:94N;141:44E, h88km;1km, M4.1
 Broadband fault plane solution: P waves. NP1:
 p323.00000°, r77.00000°, l-20.00000°. NP2: p57.00000°,
 571.00000°, l-166.00000°. Principal axes: T Plg4.00000°,
 Azm11.00000°, N Plg67.00000°, Azm110.000

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND, Zalesovo Array, Kurchatov, etc.

ISC/JB 05:09:58.30.7.0.7, 24.96N.0.05.122.89E.0.03, h18km, 5km, Error ellipse: s-maj=8.2km s-min=3.9km az=16.7

JMA 05:09:58.30.7.0.2, 24.96N.122.88E, h18km, 3km, M2.5

TAP 05:09:58.31.1, 24.90N.122.89E, h18km, ML3.2, O

ISC 05:09:58.30.3.1, 24.96N.0.05.122.89E.0.03, h16km, 10km, n45, c0.86/53, Taiwan region

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TPUB, WTP, TWK, CHN1.

CSEM 05:10:00:57.3, 45.96N.14.76E, h0km, ML0.3, Suspected Mining explosion.

LJU 05:10:00:57.3, 45.96N.14.76E, h0km, ML0.3, 4C Artificial, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNDS, VISS, LJU, PDKS, etc.

ISC/JB 05:10:02:57.7.0.8, 24.86N.0.06.122.89E.0.03, h17km, 5km, Error ellipse: s-maj=9.8km s-min=3.8km az=9.4

JMA 05:10:02:57.6.0.3, 24.90N.122.89E, h23km, 4km, M2.4

TAP 05:10:02:59.4, 24.72N.122.78E, h14km, 2km, ML3.2, O

ISC 05:10:02:56.6.1.4, 24.87N.0.06.122.90E.0.03, h13km, 12km, n48, c1.15/57, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JYNG, YOJ, YOY, EOI, etc.

MAN 05:10:04:22.2, 11.55N.124.37E, h10km, mb4.5, ML3.4, MS3.2, 1C-2D, Leyte

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNP, BESP, LLP, etc.

KRAR 05:10:05:22.3.0.3, 53.59N.87.32E, M2.2, Industrial explosion (after: The Earthquakes of Russia in 2012.

Obninsk, GS RAS, 224p + CD-ROM, 2014)

NNC 05:10:05:31.8.4.3, 53.40N.87.77E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=36.7km s-min=24.5km az=7.0, Suspected Mining explosion.

IDC 05:10:05:30.2.2.5, 53.55N.87.80E, h0km, mb1.3, 6/3, mb1mx3.0/7.1, mbtmp3.3/3.3, ML3.1/3, 7C-ID, Error ellipse: s-maj=22.2km s-min=13.5km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURK, etc.

DJA 05:10:18:35.1.0.5, 10.5S.3.122E.2E.1, h27km, 7km, M3.5/8, ML3.5/8, Savu Sea

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

CSEM 05:10:44:37.3, 27.79N.18.21W, h21km, ML2.0, Canary Islands region

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

KRAR 05:11:01:03.0.0.2, 53.57N.87.80E, M2.5, Industrial explosion (after: The Earthquakes of Russia in 2012.

Obninsk, GS RAS, 224p + CD-ROM, 2014)

NNC 05:11:01:08.7.3.1, 53.39N.87.50E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=29.4km s-min=20.2km az=175.0, Suspected Mining explosion.

IDC 05:11:01:03.6.2.5, 53.51N.87.83E, h0km, mb1.3, 3/3, mb1mx3.0/7.1, mbtmp3.3/3.3, ML3.1/3, 6C-2D, Error ellipse: s-maj=21.2km s-min=12.8km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURK, etc.

CSEM 05 11:01:47.9.0.2, 39°47'N-35°34'E, h10km, ML2.4, Error ellipse: s-maj=4.3km s-min=4.0km az=55.0
 DDA 05 11:01:47.9.39.47N-35.34E, h7km, ML2.6
 ISK 05 11:01:47.7.39.46N-35.33E, h10km, ML2.4/7
 ISC 05 11:01:48.0.1.39.46N-0.03-35.34E, h10km, 7km, n25, c0547/39, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
YOZ	Yozgat	0.18 355	Op	11 02 19.9	Op	11 02 19.9	ISC
YOZ	Yozgat	0.18 355	Pg	11 01 55.2	+0.4		
YOZ	Yozgat	0.18 355	iPg	11 01 51.9	-0.1		
YOZ	Yozgat	0.18 355	iSg	11 01 55.2	+0.4		
CUSAR	Sarkisla-SIVAS	0.70 93	iP	11 02 01.2	-0.4		
CUSAR	Sarkisla-SIVAS	0.70 93	iS	11 02 12.3	+0.2		
CUSAR	Sarkisla-SIVAS	0.70 93	P	11 02 11.4	-0.4		
CUSAR	Sarkisla-SIVAS	0.70 93	Sb	11 02 12.3	+0.2		
AVNS	Nevesehir-Avano	0.76 211	iP	11 02 01.7	-0.9		
AVNS	Nevesehir-Avano	0.76 211	iS	11 02 14.0	+0.3		
AVNS	Nevesehir-Avano	0.76 211	P	11 02 01.7	-0.9		
AVNS	Nevesehir-Avano	0.76 211	Sb	11 02 14.0	+0.3		
CDAG	Cicekdag	0.77 283	iP	11 02 02.6	-0.3		
CDAG	Cicekdag	0.77 283	iS	11 02 14.2	+0.2		
CDAG	Cicekdag	0.77 283	P	11 02 02.6	-0.3		
CDAG	Cicekdag	0.77 283	Sb	11 02 14.2	+0.2		
COAL	Corum-Alaca	0.84 341	iP	11 02 03.6	-0.7		
COAL	Corum-Alaca	0.84 341	iS	11 02 15.9	+0.3		
COAL	Corum-Alaca	0.84 341	P	11 02 03.6	-0.7		
COAL	Corum-Alaca	0.84 341	Sb	11 02 15.9	+0.3		
CORM	Corum	0.90 323	PG	11 02 04.9	-0.6		
CORM	Corum	0.90 323	Pg	11 02 18.2	+0.2		
CORM	Corum	0.90 323	Sp	11 02 04.9	-0.6		
CORM	Corum	0.90 323	Sb	11 02 18.2	+0.2		
CORM	Corum	0.90 323	ePg	11 02 04.9	-0.6		
CORM	Corum	0.90 323	eSg	11 02 18.2	+0.2		
CTAK	Corum_Osmancik	1.26 341	iP	11 02 11.2	-0.7		
CTAK	Corum_Osmancik	1.26 341	iS	11 02 29.7	+0.8		
CTAK	Corum_Osmancik	1.26 341	P	11 02 11.2	-0.7		
CTAK	Corum_Osmancik	1.26 341	Sb	11 02 29.7	+0.8		
CTAK	Sardiz-Kayseri	1.34 141	PN	11 02 13.8	-0.1		
SFSR	Karacayir	1.36 70	PN	11 02 12.4	-0.4		
SVSK	Karacayir	1.36 70	ePn	11 02 12.6	-0.4		
GULA	Galugac	1.41 218	PN	11 02 13.6	-0.2		
GULA	Galugac	1.41 218	ePn	11 02 13.6	-0.2		
SERE	Seriflikochisa	1.47 250	PN	11 02 15.8	+0.1		
SERE	Seriflikochisa	1.47 250	ePn	11 02 15.8	+0.1		
AFSR	Afar-Bala (A)	1.76 270	PN	11 02 18.2	-0.4		
AFSR	Afar-Bala (A)	1.76 270	ePn	11 02 18.2	-0.4		
KULU	Kulu	1.86 258	PN	11 02 20.6	+0.5		
KULU	Kulu	1.86 258	ePn	11 02 20.6	+0.5		

MAN 05 11:22:34.3, 11°48'N-124°51'E, h26km, mb4.2, ML3.1, MS2.8, 1D, Leyte

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
OCLP	Ormoc	0.44 167	Op	11 22 44.2	+0.7		
OCLP	Ormoc	0.44 167	eS	11 22 53.0	+0.9		
PLP	Palo	0.56 124	iP	11 22 46.4	-0.1		
CNP	Cataman	1.03 8	eP	11 22 56.5	+1.6		
CNP	Cataman	1.03 8	ePn	11 22 52.5	-0.7		
LLP	Lapu-Lapu	1.27 205	eP	11 23 06.9	+0.1		
LLP	Lapu-Lapu	1.27 205	ePn	11 22 56.8	+0.4		

NNC 05 11:39:55.2, 4.0, 36.79N-69.72E, h163km, 102km, mb2.6, mpv3.5, 4C-4D, Error ellipse: s-maj=47.9km s-min=32.9km az=68.0, Hindu Kush region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
SFK	Sufi-Kurgan	4.38 42	IPn	11 41 01.0	+0.1		
SFK	Sufi-Kurgan	4.38 42	IPn	11 41 52.9	+0.6		
MNAS	Manas	6.09 20	IPn	11 41 23.9	+0.6		
MNAS	Manas	6.09 20	IPn	11 42 32.8	+0.5		
AML	Almayashu	6.16 29	P	11 41 26.3	+1.9		
KK31	Karatay Array	6.34 5	IPn	11 41 27.7	+1.2		
KK31	Karatay Array	6.34 5	IPn	11 42 38.9	+0.7		
UCH	Uchtor	6.58 33	P	11 41 29.4	-0.6		
EKS2	Erkin-Say	6.65 27	P	11 41 30.7	0.0		
KZA	Kyzart	6.80 37	P	11 41 31.4	-1.5		
AAK	Ala-Archa	6.91 31	IPn	11 41 33.1	-1.0		
AAK	Ala-Archa	6.91 31	IPn	11 42 52.3	+0.4		
AAK	Ala-Archa	6.91 31	P	11 41 33.7	-0.4		
TKM2	Tokmak 2	7.61 35	P	11 41 41.9	-1.6		

GUC 05 11:46:52.4, 0.7, 34°69'S-72°78'W, h24km, 17km, ML3.6
 ISC 05 11:46:55.2, 2.3, 34.71S-72.05W, 0.1, h26km, 20km, n15, c269/20, 1C-1D, Near coast of central Chile

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
GO05	Hualaeso	0.63 119	IPn	11 47 06.1	-2.6		
GO05	Hualaeso	0.63 119	iS	11 47 15.8	-2.1		
GO05	Hualaeso	0.63 119	IAmL	11 47 16.8			
NICH	Los Niches	1.17 105	eP	11 47 15.0	-1.1		
NICH	Los Niches	1.17 105	iP	11 47 31.7	+0.6		
CCHI	Chilian	1.94 167	iP	11 47 25.7	-1.0		
CLCH	Cerro Calan	2.16 53	eP	11 47 00.2	+6.4		
CLCH	Cerro Calan	2.16 53	eS	11 47 29.4	-0.5		
CLCH	Cerro Calan	2.16 53	IAmL	11 47 57.1	+1.4		
ROCH	El Roble	2.18 38	eP	11 47 29.1	-1.2		
ROCH	El Roble	2.18 38	eS	11 47 57.6	+1.1		
ROCH	El Roble	2.18 38	IAmL	11 48 12.4			
PEL	Peidehue	2.23 46	IPn	11 47 30.0	-0.8		
AAGR	Agrelo	3.53 64	P	11 47 53.8	+3.6		
ARCO	Cerro Arco	3.58 60	IPn	11 47 43.4	+3.9		
ARCO	Cerro Arco	3.58 60	IAmL	11 48 07.1			
AUSP	Uspallata	3.66 48	iP	11 47 52.9	+2.3		
ASAL	Salagasta	3.79 57	iP	11 47 55.7	+3.5		
RTCV	Cerro Valdivia	4.43 84	P	11 48 04.2	+6.4		
RTLL	Cerro Villicun	4.83 47	iP	11 48 07.6	+1.0		
AMOG	MOGNA	5.11 44	iP	11 48 10.8	+0.4		
ACDV	Cuesta del Vie	5.40 34	iP	11 48 13.3	-1.1		
AGUA	GUANDACOL	6.27 35	iP	11 48 24.9	-1.5		

ISCJB 05 11:54:10.6, 0.7, 25°24'S-109°178'E, 0.1, h579km, mb4, 1/18, Error ellipse: s-maj=16.1km s-min=11.2km az=165.5

ISC 05 11:54:14.0, 1.2, 25°23'S-178°34'E, h598km, 13km, mb3.6/18, mb1.3/7.20, mb1mx3.5/47, mbtmp4.6/20, Error ellipse: s-maj=12.1km s-min=10.9km az=37.0

ISC 05 11:54:12.2, 0.5, 25°20'S-109°178'E, 0.1, h579km, n43, c1511/46, mb4.0/18, 1C-1D, South of Fiji Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
RAO	Raoul Island	5.21 142	Op	11 55 48.8	+3.3		
DZM	Mont Dzumac	11.37 283	P	11 56 46.0	+1.4		
URZ	Urewera	14.07 184	P	11 56 58.3	-3.3		
URZ	Urewera	14.07 184	S	11 59 11.2	-1.0		
AFI	Afihamu	14.55 41	P	11 57 10.8	-6.2		
RPZ	Rata Peaks	14.92 196	P	11 58 00.7	-0.7		
CTA	Charters Tower	30.04 273	P	11 59 36.9	+1.3		
STKA	Stevens Creek	32.88 250	P	12 00 00.4	+0.8		
PMG	Port Moresby	33.57 292	P	12 00 05.8	+0.3		

21nm, 0.9s, baz=108, slow=20, SNR=3.5

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
ASAR	Alice Springs	40.38 262	P	12 01 01.7	+0.4		
ASAR	Alice Springs	40.38 262	PcP	12 02 49.9	-0.1		
ASAR	Alice Springs	40.38 262	P	12 06 27.4	-1.4		
ASAR	Alice Springs	40.38 262	P	12 01 05.0	-0.1		
WRA	Warramunga Arr	40.87 268	P	12 01 05.0	-0.1		
WRA	Warramunga Arr	40.87 268	P	12 06 33.4	-2.4		
JAY	Jayapura	42.71 296	P	12 01 19.4	-0.2		
FITZ	Fitzroy Crossing	49.27 287	P	12 02 09.5	+0.3		
VNDA	Vandenberg Arr	52.98 184	P	12 02 35.6	+0.5		
QSPA	South Pole Qui	64.89 180	P	12 03 55.7	+0.7		
QSPA	South Pole Qui	64.89 180	P	12 03 55.7	+0.7		
BJAR	Matsushiro Arr	72.15 327	P	12 04 38.2	-0.8		
JNU	Nakatsue	73.54 320	P	12 04 46.5	-0.6		
ASAJ	Asahikawa	76.37 334	P	12 05 03.7	+1.1		
KSRS	Korea Array	78.31 321	P	12 05 13.4	+0.3		
PETK	Petropavlovsk	80.02 348	P	12 05 22.0	+0.1		
USRK	Ussuriysk Arr	81.06 328	P	12 05 28.0	+0.6		
CMAA	Sanac	83.39 180	P	12 05 38.1	-0.9		
SNAR	Chiang Mai Arr	88.60 291	P	12 06 06.5	+1.9		
ILAR	Eielson Array	93.64 14	P	12 06 25.2	-1.6		
MKAR	Makanahi Array	111.94 313	PKIKP	12 11 42.0	0.0		
KURB	Kurchatov Arr	115.16 316	PKP	12 11 46.8	-1.2		
KBAR	Borovoye Array	120.42 318	PKP	12 11 57.4	-0.7		
SPITS	Spitsbergen Arr	126.30 355	PKP	12 12 08.2	-0.6		
AKTO	Aktynbinsk	128.19 315	PKP	12 12 12.8	-0.3		
ARCES	ARCES Array B	132.84 347	PKP	12 12 20.3	-1.0		
ARCES	ARCES Array B	132.84 347	PKPbc	12 14 54.3	-1.0		
FINES	FINES Array B	139.18 340	PKHKP	12 12 23.9			
FINES	FINES Array B	139.18 340	PKP	12 12 32.3	-1.0		
NB2	NORSAR Subarr143	11 350	PKP	12 12 37.2	-1.1		
HFS	Hagfors	143.50 347	PKP	12 12 38.8	-0.9		
AKAG	Malin Array Be	145.22 325	PKPbc	12 12 44.6	+0.4		
ASF	Jabal al Asfar	145.64 291	PKPbc	12 12 47.6	+0.3		
MMAI	Mount Meron Arr	146.86 292	PKPbc	12 12 51.0	+0.4		
BRKA	Keskin Array B	147.14 305	PKPbc	12 12 50.3	-0.9		
EKA	Eskestun Arr	149.87 2	PKPbc	12			

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSRS, ILAR, BRTR.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MAIO ISLAND IN, TOROJI AR, GRACIOSA ISLAN.

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

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

DDA 05 15:00:17.6, 37.02N:27.46E, h11km, Ml2.4, Suspected Mining explosion. ISC/JB 05 15:00:18.2, 0.4, 37.03N:0.03, 27.48E:0.04, h0km, Error ellipse: s-maj=4.5km s-min=3.4km az=144.9

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

MAN 05 15:00:42.2, 9.85N:125.61E, h90km, mb4.1, ML2.9, MS2.6, 1C, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SCPH, SCPL, MSMLP.

ISC/JB 05 15:03:27.9, 0.4, 40.90N:0.02, 43.21E:0.03, h0km, Error ellipse: s-maj=4.3km s-min=2.8km az=44.3

CSEM 05 15:03:27.7, 0.2, 40.87N:43.22E, h2km, ML2.6, Error ellipse: s-maj=5.6km s-min=4.0km az=141.0, Suspected Mining explosion.

DDA 05 15:03:27.2, 40.92N:43.26E, h7km, Ml2.7, Suspected Mining explosion.

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

DDA 05 15:50:42.1, 17.1648S:178.38W, h0km, mb3.8/5, mb1.4/1.5, mb1mx3.6/5.1, mbtmp3.8/5, Error ellipse: s-maj=162.7km s-min=25.9km az=153.0, Fiji Islands region

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

NIED 05 16:07:00, 42.00N:142.60E, h50km, Mw4.1, Best double couple: Mo:1.41000e+10, N1:1.22e+12, 0.00000, 0.824, 0.00000, 1.95, 0.00000. NP2:2.26e+00000, 0.866, 0.00000, 0.88, 0.00000.

ISC/JB 05 16:07:15.8, 0.3, 42.04N:142.58E:0.03, h70km, Mw4.1, 1/35, Error ellipse: s-maj=5.4km s-min=3.2km az=147.9

JMA 05 16:07:16.5, 42.10N:142.60E, h64km, mb4.5/13, MB4.6/6 JMA 05 16:07:16.3, 0.2, 42.04N:142.60E, h64km, Mw3.8

MOJ 05 16:07:16.2, 0.8, 42.03N:142.76E, h78km, mb4.6/8, Error ellipse: s-maj=11.2km s-min=5.3km az=116.0

DDA 05 16:07:17.8, 1.6, 42.07N:142.54E, h70km, Mw3.7/22, mb1.3/2/28, mb1mx3.7/73, mbtmp3.9/28, MS2.9/11, ms1.2/9/11, ms1mx2.6/63, Error ellipse: s-maj=14.5km s-min=9.9km az=122.0

SKHL 05 16:07:17.3, 1.1, 41.96N:142.71E, h82km, mb2.5/25, msH6.0/5

ISC 05 16:07:16.9, 0.6, 42.03N:142.57E:0.03, h64km, Mw3.8, n133, 1511/148, mb4.2/35, 13C-13D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JNBK, JNBK, JSHD, ERM, ERM, ERM.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table of station data including columns for station name, frequency, SNR, and other technical specifications.

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NEIC 05 16:24:55.1±0.0, 16:49N:94:51W, h98km, MD4.0(MEX), After MEX

Table of station data for NEIC 05 16:24:55.1±0.0, 16:49N:94:51W, h98km, MD4.0(MEX)

IDC 05 16:27:10.5±12.0, 17:49S:178:77W, h582km, 164km, mb3.2/8, mb1 3.5/8, mb1mx3.0/45, mbtm 4/2.8, Error ellipse: s-maj=91.7km s-min=44.6km az=157.0, Fiji Islands region

Table of station data for IDC 05 16:27:10.5±12.0, 17:49S:178:77W, h582km, 164km

ISCJB 05 16:39:13.6±0.7, 29:0S:01:74:8E, 0.2, h10km, mb4.2/10, MS3.2/2, Error ellipse: s-maj=22.5km s-min=13.9km az=154.3

Table of station data for ISCJB 05 16:39:13.6±0.7, 29:0S:01:74:8E, 0.2, h10km

IDC 05 16:39:15.8±0.4, 28:92S:74:81E, h10km, mb4.7/6, Error ellipse: s-maj=13.8km s-min=8.6km az=65.0

Table of station data for IDC 05 16:39:15.8±0.4, 28:92S:74:81E, h10km

ISC 05 16:39:15.6±0.9, 28:93S:01:74:8E, 0.2, h10km, n30, 0:45:42/3, mb4.3/10, Mid-Indian Ridge

Table of station data for ISC 05 16:39:15.6±0.9, 28:93S:01:74:8E, 0.2, h10km

KOLA 05 17:01:57.3, 65:80N:21:36E, h0km, ISCJB 05 17:01:59.0±0.4, 67:05N:0:02:21:09E, 0:07, h0km, Error

ellipse: s-maj=4.1km s-min=2.7km az=11.4
HEL 05 17:02:00.8, 0.1, 67.08N:20.94E, h0km, ML2.0,
ML1.9(UPP), Explosion
CSEM 05 17:02:00.2, 0.2, 67.10N:21.05E, h2km, ML3.9, Error
ellipse: s-maj=6.0km s-min=3.8km az=108.0, Mining
explosion.
NAO 05 17:02:00.4, 1.0, 67.10N:21.23E, ML2.2
UPP 05 17:02:01.3, 67.03N:21.07E, h1km, ML1.9, Mining
explosion.
BER 05 17:02:03.0, 4.0, 67.07N:20.87E, h0km, ML1.7,
ML2.2(VA.0), Suspected explosion
ISC 05 17:02:00.1, 0.7, 67.08N:0.02:21.04E:0.03, h0km, n67,
s1503/99, Sweden

mb1 3.6/1.0, mb1mx3.4/66, mbtmp3.5/10, ML3.3/5, MS2.9/9,
Ms1 2.9/9, ms1mx2.6/52, Error ellipse: s-maj=23.5km
s-min=11.8km az=164.0
CSEM 05 17:02:20.4, 0.1, 38.95N:38.94E, h2km, ML3.9, Error
ellipse: s-maj=3.0km s-min=2.6km az=173.0
ISC 05 17:02:20.5, 1.0, 38.93N:0.01:38.93E:0.01, h4km, 8km,
n125, s1936/180, mb3.5/6, MS2.6/4, Turkey

CHOM Cayelli-Rize 2.58 32 PN Pn 17 03 03.2 +0.1
CHOM Cayelli-Rize 2.58 32 ePn Pn 17 03 03.2 +0.1
SLMH Al Saleh 2.83 197 ePn Pn 17 03 08.0 +1.5
SLMH Al Saleh 2.83 197 eS Pn 17 03 07.2 +1.4
SLMH comp=N, 923nm, 0.7s AML AML 17 04 03.1
SLMH comp=N, 296nm, 0.7s AML AML 17 04 07.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations from ERTU to HFS.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations from PTK to YUK.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations from YOZ to YUK.

NSSC 05 17:02:05.7, 0.3, 39.34N:41.24E, h16km, 99km, ML3.3
DDA 05 17:02:20.0, 38.94N:38.94E, h6km, ML3.7
ISK 05 17:02:19.1, 38.93N:38.94E, h3km, ML3.9/19
IDC 05 17:02:19.9, 1.3, 38.87N:38.93E, h0km, mb3.5/5,

NIED 05 17:04:00.37:00N:140.60E, h8km, Mw4.2 Best double
couple: M2 39000+1015 NP1=159.00000; 852.00000,
lambda=26.00000; NP2=266.00000; 870.00000,
lambda=139.00000
IDC 05 17:04:31.8:0.6, 37.04N:140.55E, h0km, mb4.0/24,
mb1 4.1/26, mb1mx4.0/72, mbtmp4.0/26, ML3.9/2, MS3.3/24,
Ms1 3.3/24, ms1mx3.1/70, Error ellipse: s-maj=15.7km
s-min=12.7km az=116.0
ISJCJB 05 17:04:32.7:0.4, 37.04N:140.67E:0.04, h16km, 2km,
mb4.0/33, MS3.4/20, Error ellipse: s-maj=5.3km
s-min=3.6km az=36.7
JMA 05 17:04:33.3, 37.04N:140.57E, h9km, 1km, M4.5
Broadband fault plane solution: P waves: NP1:
phi=276.00000; 862.00000; lambda=128.00000; NP2:
phi=154.00000; 846.00000; lambda=42.00000; Principal axes:
T Plg9.0000; Azm32.0000; N Plg32.0000;
Azm296.0000; P Plg56.0000; Azm136.0000;
JMA Felt III J

MOS 05 17:04:35.1: 5.1, 37.14N:140.71E, h33km, mb4.4/22 Error
ellipse: s-maj=9.2km s-min=6.0km az=89.7
NEIC 05 17:04:35.5: 2.7, 37.09N:140.60E, h23km, 18km, mb4.7/11,
Error ellipse: s-maj=14.3km s-min=7.6km az=136.0
NEIC recorded 3 JMA in Fukushima
ISC 05 17:04:34.0, 0.8, 37.07N:140.03:140.64E:0.03, h10km, 4km,
n97, s1889/97, mb4.0/33, MS3.4/20, 11C-6D, Eastern
Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations from JFDD to YUK.

5d 17h

Table of station data for the 5d 17h period, including columns for station name, coordinates, and various parameters like pmax, pmlr, etc.

2012 JUL

Main table of station data for July 2012, listing station names, coordinates, and parameters for various stations across the region.

232

Table of station data for the 232 period, including station names, coordinates, and parameters.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like MUGZ Murupara, RTZ Ruatahunu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like JSB Shioha, JFT Otama, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like MAT Ussuriysk Ar., USRK Ussuriysk Ar., etc.

ISK 05 17:48:14.3, 39.03N; 42.25E, h11km, ML2, 1/7

ISCJB 05 17:48:15.1, 0.4, 39.06N; 0.02, 42.23E, 0.03, h9km, 4km

NEIC 05 17:48:15.0, 0.2, 39.07N; 42.24E, h10km, ML2.8, Error ellipse: s-maj=4.2km s-min=3.8km az=161.6

CSEM 05 17:48:15.0, 0.2, 39.07N; 42.24E, h10km, ML2.8, Error ellipse: s-maj=3.4km s-min=3.3km az=23.0

DDA 05 17:48:15.3, 39.07N; 42.25E, h7km, ML2.8

ISC 05 17:48:15.2, 0.9, 39.06N; 0.02, 42.24E, 0.02, h14km, 7km, n2, <077753, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like EKAR Karacaban, BITLIS Adilcev, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like PTK Pertek, ELZG Elazig, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like HEC Hector, LUDLOW Ludlow, etc.

NIED 05 17:53:00, 37.00N; 140.60E, h8km, Mw3.7 Best double couple: M3, 48000, 1014

JMA 05 18:00:23.2, 0.1, 35.23N; 141.22E, h37km, 2km, M3.1

ISCJB 05 18:00:24.1, 0.8, 35.19N; 0.04, 141.16E, 0.09, h48km, M3.1

IDC 05 17:53:19.2, 0.8, 36.97N; 140.65E, h0km, mb3.6/10, mb1 3.8/13, mb1mx3.6/69, mbtmp3.7/13, ML3.7/3, MS2.8/4, Ms1 2.8/4, ms1mx2.4=96.5, Error ellipse: s-maj=20.2km s-min=15.4km az=96.0

IDC 05 17:53:29.5, 1.1, 34.21N; 138.27E, h0km, mb3.6/7, mb1 3.7/8, mb1mx3.4/69, mbtmp3.6/8, ML2.7/1, MS2.9/1, Ms1 2.9/1, ms1mx2.2/59, Error ellipse: s-maj=41.2km s-min=16.3km az=62.0

ISC 05 18:00:25.6, 1.1, 35.20N; 0.05, 141.18E, 0.10, h48km, n25, <180/22, mb3.6/7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like JMA Felt J1, ISC 05 17:53:20.6, 1.0, 37.01N; 0.04, 140.59E, 0.03, h7km, 6km, n34, <0594/35, mb3.6/11, MS2.7/3, 6C-1D, Eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like CHQJ Choji, BSO1 Boso 1, etc.

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

Table with columns: FMP, FRK, DUJ, TUQ, LRM, etc. Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Fort Macarthur, Donna J Jenkin, Turquoise Moun, etc.

Table with columns: PNTR, MTPU, EMBU, TUC, X18A, etc. Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Pine Nut, Mount Pierson, Emerald Bay, etc.

IDC 05 18:38:02.1±1.4, 26°38'S-74.78E, h0km, mb3.8/7, mb1.4/0.7, mb1mx3.6/6.7, mbtmp3.8/7, MS3.3/2, Ms1 3.2/2, m=1mx2.6/5.5, Error ellipse: s-maj=45.6km s-min=25.9km az=69.0, Mid-Indian Ridge

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

IDC 05 18:54:47.8±0.7, 107°19'S-117°13'E, h0km, mb3.9/10, mb4.9/10, mb5.1/5, MLv4.9/18, Mw(mlb)4.5/5, NEIC 05 18:54:52.0±0.4, 107.89S-117.98E, h35km, mb4.7/3, Error ellipse: s-maj=14.6km s-min=7.7km az=48.0

ISC 05 18:54:52.0±0.7, 110.00S-108.11E, h163E, 0.07, h41km, n41, ISC 05 18:54:52.0±0.7, 110.00S-108.11E, South of Sumatra

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like H08N3, H08N3, H08N2, etc.

CSEM 05 20:06:11.7±0.1, 40.40N-26.03E, h10km, ML2.3, Error ellipse: s-maj=1.9km s-min=1.7km az=96.0

DDA 05 20:06:11.5±0.3, 40.37N-26.07E, h6km, ML2.8, Error ellipse: s-maj=2.9km s-min=2.7km az=2.5

ISC 05 20:06:11.2±0.4, 40.40N-26.03E, h16km, ML2.3/5, Error ellipse: s-maj=0.8km s-min=0.5km az=89.0

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

5d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Ouri, Marumori, Okura, Ichinoseki, etc.

ISCJB 05 21:28:53.1, 1.0, 7.4N, 0.1, 1.36E, 0.0, 2.15km, mb3.6/6, MS3.3/18, Error ellipse: s-maj=34.0km s-min=16.6km az=9.8

IDC 05 21:28:53.1, 1.8, 7.44N, 36.01W, h0km, mb3.7/6, mb1 3.9/6, mb1 mx3.5/11, mbmp3.7/6, ML5.1/1, MS3.3/18, MS1 3.3/18, ms1 mx3.1/49, Error ellipse: s-maj=42.6km s-min=39.6km az=53.0

ISC 05 21:28:55.4, 1.2, 7.4N, 0.1, 1.36E, 0.0, 3.15km, n27, 0.0717, mb3.8/6, MS3.4/18, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like RCBR, H10N3, H10N2, etc.

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

SKO 05 21:31:47.8, 41.58N, 20.62E, h18km, M1.6, ML2.0

CSEM 05 21:31:49.4, 0.3, 41.55N, 20.72E, h2km, ML1.7, Error ellipse: s-maj=5.8km s-min=3.9km az=69.0

BEO 05 21:31:50.0, 6.4, 41.53N, 20.74E, h0km, ML1.7/6

ATH 05 21:31:49.7, 41.51N, 20.71E, h12.4km, M1.8/2, Error ellipse: s-maj=5.7km s-min=2.2km az=136.0, Albania

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

IDC 05 21:53:01.1, 2.1, 5.36S, 146.67E, h149km, 22km, mb3.3/4, mb1 3.5/7, mb1 mx3.2/45, mbmp3.8/7, Error ellipse: s-maj=26.5km s-min=18.5km az=82.0, Eastern New Guinea region

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

NEIC 05 22:18:23.8, 0.0, 15.59N, 96.03W, h5km, MD4.0 (MEX), After MEX.

MEX 05 22:18:23.8, 0.0, 15.59N, 96.03W, h5km, MD4.0, Near coast of Oaxaca

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

MEX 05 22:27:7.0, 5, 15.57N, 95.90W, h8km, 3km, MD3.7, Near coast of Oaxaca

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

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

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

MEX 05 23:01:52.4, 0.0, 6, 14.09N, 92.79W, h8km, 92km, MD3.8, Near coast of Chiapas

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

NIED 05 23:04:00.29, 30N, 130.60E, h17km, Mw4.6 Best double couple: M=9.1700x10^15 N1P1=252.00000, d17.00000, 7.131.00000, N2P2=30.00000, d77.00000, 7.8.00000, IDC 05 23:04:25.3, 0.5, 29.36N, 130.48E, h0km, mb4.4/32, mb1 4.5/36, mb1 mx4.4/61, mbmp4.4/36, ML4.1/4, MS3.8/39, MS1 3.8/39, ms1 mx3.6/71, Error ellipse: s-maj=13.7km s-min=12.3km az=107.0

BUI 05 23:04:26.1, 29.06N, 130.83E, h35km, mb4.6/57, mb4.6/38, Ms4.3/51, Ms7.4/248

MOS 05 23:04:28.7, 1.0, 29.31N, 130.48E, h33km, mb4.8/45, MS4.0/13, Error ellipse: s-maj=8.9km s-min=5.1km az=109.1

ISCJB 05 23:04:29.3, 0.3, 29.23N, 0.02, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JMA 05 23:04:29.6, 0.1, 29.26N, 130.55E, h68km, 3km, M4.4 JMA Feat II, JMA

NEIC 05 23:04:30.8, 0.3, 29.30N, 130.45E, h36km, 2km, mb4.7/46, Error ellipse: s-maj=4.9km s-min=3.2km az=147.0

NEIC Recorded [2 JMA] on Akuseki-jima and Suwanose-jima. ISC 05 23:04:29.1, 0.6, 29.21N, 0.03, 130.61E, 0.04, h25km, 4km, n311, 0.1561/333, mb4.7/112, MS4.0/56, 27C-23D, Ryukyu Islands

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

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

JHUJ 05 23:04:30.7, 0.0, 29.23N, 130.60E, 0.03, h42km, 2km, mb4.6/105, MS4.1/55, Error ellipse: s-maj=4.7km s-min=2.6km az=38.3

CN2	comp=Z,20nm,0.9s		pmax	pmax			
CN2	comp=Z,200nm,3.0s		LR	LR			
CN2	comp=Z,950nm,13.0s		LR	LR			
CN2	comp=Z,270nm,13.0s		LR	LR			
BJI	comp=Z,1µm,15.0s		LR	LR			
BJI	Beijing	16.04 316j	eP	P	23 08 14.4	-1.7	
BJI	comp=Z,15nm,0.8s		LR	LR			
BJI	comp=Z,2µm,15.1s		LR	LR			
BSJ	comp=Z,1µm,11.6s		LR	LR			
BSJ	comp=Z,880nm,17.1s		LR	LR			
ASAJ	Asahikawa	17.69 29 P	P	Pn	23 08 29.8	-3.9	
ASAJ	comp=Z,0.2nm,0.3s,baz=172,slo=33,SNR=3.5		LR	LR			
ASAJ	comp=Z,251nm,21.1s,baz=223,slo=38		LR	LR			
ASAJ	Asahikawa	17.69 29 ePn	P	Pn	23 08 33.0	-0.6	
ENH	Enshi	18.38 279 eP	P	Pn	23 08 42.3	+0.1	
XAN	comp=Z,23nm,0.6s		P	P	23 08 48.9	-0.9	
XAN	Xi'an	19.08 290 P	pP	pP	23 08 54.2	-2.5	
XAN	comp=Z,21nm,0.4s		pP	pmax			
XAN	comp=Z,88nm,3.9s		LR	LR			
XAN	comp=Z,310nm,10.1s		LR	LR			
XAN	comp=Z,510nm,10.1s		LR	LR			
XAN	comp=Z,470nm,10.1s		LR	LR			
HHC	Hu-ho-hao-te	19.40 312 eP	P	Pn	23 08 54.7	+0.1	
HHC			pP	pP	23 09 02.6	-0.8	
HHC			S	S	23 12 24.6	+6.8	
HHC			SS	SSn	23 12 56.6	+11	
HHC	comp=Z,17nm,1.0s		pmax	pmax			
HHC	comp=Z,110nm,5.9s		pmax	pmax			
HHC	comp=Z,540nm,14.1s		LR	LR			
HHC	comp=Z,600nm,14.7s		LR	LR			
HHC	comp=Z,610nm,13.2s		LR	LR			
KLR	Kul'dur	20.02 2 P	P	P	23 08 58.5	-1.4	
KLR	comp=Z,0.1nm,0.3s,baz=184,slo=7.1,SNR=82		LR	LR			
KLR	comp=Z,18nm,19.1s,baz=180,slo=39		LR	LR			
KLR	Kul'dur	20.02 2 c/P	P	P	23 08 58.3	-1.6	
YSS	Yuzh-Sakhalins	20.09 25j	eP	Pn	23 09 02.2	-0.4	
YSS			pmax	pmax			
GUMO	Guam	20.40 137 LR	LR	LR	23 15 44.2		
GYA	Guizang	21.35 268	pP	pP	23 09 15.4	+0.8	
GYA			pP	pP	23 09 25.4	+0.7	
GYA			pP	pP	23 09 30.0	+8.5	
GYA			Pn	Pn	23 09 38.4	+3.7	
GYA			S	S	23 13 02.0	-8.6	
GYA			S	S	23 13 19.6	+1.0	
GYA			SS	SSn	23 13 37.8	+4.1	
GYA	comp=Z,20nm,0.8s		pmax	pmax			
GYA	comp=Z,110nm,4.8s		LR	LR			
GYA	comp=Z,380nm,13.9s		LR	LR			
GYA	comp=Z,570nm,14.0s		LR	LR			
GYA	comp=Z,790nm,13.9s		LR	LR			
QIZ	Qiongzong	21.46 246 P	P	P	23 09 19.9	+4.2	
QIZ			S	S	23 13 11.1	-1.6	
QIZ	comp=Z,41nm,3.0s		LR	LR			
QIZ	comp=Z,320nm,13.7s		LR	LR			
QIZ	comp=Z,170nm,15.7s		LR	LR			
QIZ	comp=Z,280nm,15.2s		LR	LR			
GRNR	Gornyy	21.98 10 eP	P	P	23 09 25.6	+4.6	
GRNR			pmax	pmax			
DAV	Davao City (W)	22.52 193 LR	LR	LR	23 19 44.0		
TYV	Tymovskoe	23.46 19 eP	P	P	23 09 38.5	+2.1	
TYV			pmax	pmax			
LZH	Lanzhou	23.52 294 eP	P	P	23 09 37.2	-0.2	
LZH			pP	pP	23 10 18.7	-0.4	
LZH			pP	pP	23 09 52.7	+8.2	
LZH			Pn	Pn	23 10 09.6	+5.3	
LZH	comp=Z,31nm,1.4s		pmax	pmax			
LZH	comp=Z,160nm,4.8s		pmax	pmax			
LZH	comp=Z,510nm,11.9s		LR	LR			
LZH	comp=Z,1µm,14.9s		LR	LR			
LZH	comp=Z,2µm,15.5s		LR	LR			
ZEA	Zeya	24.64 355 eP	P	P	23 09 44.8	-2.6	
ZEA			pmax	pmax			
ZEA	comp=Z,17nm,1.0s		MLR	MLR			
ZEA	comp=Z,200nm,12.0s		MLR	MLR			
ZEA	comp=E,200nm,13.0s		MLR	MLR			
KMI	Kunming	25.10 267 P	P	P	23 09 51.8	-0.4	
KMI	comp=N,42nm,0.7s		pmax	pmax			
KMI	comp=N,83nm,4.7s		pmax	pmax			
KMI	comp=N,290nm,14.9s		LR	LR			
KMI	comp=N,570nm,14.9s		LR	LR			
ULN	Ulaanbaatar	26.04 322 eP	P	P	23 09 57.7	-2.7	
ULN	comp=N,7.9nm,1.0s		pmax	pmax			
ULN	Ulaanbaatar	26.04 322c/P	P	P	23 09 58.4	-2.0	
ULN	comp=Z,6.0nm,0.7s		pmax	pmax			
SOMM	Songino Array	26.37 322 P	P	P	23 10 01.2	-2.2	
SOMM	comp=Z,4.0nm,0.6s,baz=140,slo=10,SNR=26		LR	LR			
SOMM	comp=Z,401nm,20.0s,baz=124,slo=39		LR	LR			
SONA	Songino Array	26.38 322 eP	P	P	23 10 01.2	-2.3	
SKNT	Sakolnakorn	27.28 249 P	P	P	23 10 12.5	+0.8	
GTA	Gaotai	27.28 300 P	P	P	23 10 12.4	+0.7	
GTA			pP	pP	23 10 18.7	-0.4	
GTA			sP	sP	23 10 22.2	0.0	
GTA			S	S	23 14 51.8	+2.0	
GTA			S	S	23 15 04.2	+2.2	
GTA	comp=Z,4.0nm,0.8s		pmax	pmax			
GTA	comp=Z,58nm,4.8s		LR	LR			
GTA	comp=Z,250nm,17.8s		LR	LR			
GTA	comp=Z,530nm,15.9s		LR	LR			
SKR	Severo-Kuril's	28.78 35 eP	P	P	23 10 21.6	-3.1	
SKR			eS	S	23 15 19.8	+7.2	
SKR			MLR	MLR			
PBKT	Sadao Pong	29.97 252 P	P	P	23 10 36.0	+0.4	
SRAK	Srakaw	30.45 246 P	P	P	23 10 37.0	-2.9	
SRAK	comp=Z,49nm,1.0s						

CMMT	Chiang Mai	30.63 257 P	P	P	23 10 41.6	+0.1	
CHTO	Chiang Mai	30.63 257 eP	P	P	23 10 40.6	-0.9	
CHTO	Chiang Mai	30.63 257 eP	P	P	23 10 40.6	-0.9	
CHTO	comp=Z,4.9nm,0.6s						
CMAR	Chiang Mai Arr	30.79 257 P	P	P	23 10 42.0	-0.9	
CMAR	comp=Z,1.4nm,0.5s,baz=58,slo=6.0,SNR=6.3		PcP	PcP			
CMAR	comp=Z,0.8nm,0.3s,baz=358,slo=1.9,SNR=4.7		LR	LR			
CMAR	comp=Z,224nm,19.9s,baz=78,slo=38		LR	LR			
BOD	Boдай	32.84 359 LR	LR	LR	23 24 01.1		
BOD	comp=Z,30.86,349 eP		P	P	23 24 40.8	-2.2	
PETK	Petrovavlovsk-	31.07 32 P	P	P	23 24 44.9	-0.1	
PETK	comp=Z,1.5nm,0.6s,baz=201,slo=6.2		LR	LR			
PETK	comp=Z,80nm,18.1s,baz=219,slo=41		LR	LR	23 25 48.1		
YAK	Yakutsk	32.84 359 LR	LR	LR	23 24 46.6		
YAK	comp=Z,108nm,18.2s,baz=94,slo=37		LR	LR			
MA2	Magadan	33.33 19 LR	LR	LR	23 25 56.5		
MA2	Magadan	33.33 19 eP	P	P	23 11 04.7	0.0	
MA2	Magadan	33.33 19 eP	P	P	23 11 04.7	0.0	
MA2	Magadan	33.33 19 eP	pmax	pmax			
H11N2	WAKE ISLAND Hy	34.23 98 T	T	T	23 47 54.0		
H11N2	WAKE ISLAND Hy	34.23 98 T	T	T	23 47 52.9		
H11N3	WAKE ISLAND Hy	34.25 98 T	T	T	23 47 52.4		
H11N3	WAKE ISLAND Hy	34.25 98 T	T	T	23 47 52.4		
LSA	Lhasa	34.25 281 eP	P	P	23 11 12.7	-0.9	
LSA	comp=Z,1.0nm,0.9s		pmax	pmax			
LSA	Lhasa	34.25 281 eP	P	P	23 11 12.7	-0.9	
LSA	comp=Z,10.0nm,0.9s		pmax	pmax			
SEY	Geyumchan	36.58 17j/P	P	P	23 11 33.1	+0.5	
WMQ	Urumqi	37.02 305 P	P	P	23 11 36.8	0.0	
WMQ			pP	pP	23 11 45.9	-1.5	
WMQ			pP	pP	23 11 50.2	+5.9	
WMQ	comp=Z,21nm,0.9s		pmax	pmax			
WMQ	comp=Z,140nm,4.7s		LR	LR			
WMQ	comp=Z,500nm,15.5s		LR	LR			
WMQ	comp=Z,430nm,12.9s		LR	LR			
WMQ	comp=Z,350nm,19.5s		LR	LR			
TAPN	Tapeilung	37.67 278 eP	P	P	23 11 43.5	+0.7	
ODAN	Odare	38.07 277 eP	P	P	23 11 45.0	-1.1	
DGZ	Jazzart, Alta	38.45 314 i/P	P	P	23 11 48.5	-0.4	
DGZ			pmax	pmax			
GUN	Gumba	39.13 279 eP	P	P	23 11 54.9	-0.2	
PKIN	Phulchoki	39.62 279 eP	P	P	23 11 58.5	-0.7	
PKIN	comp=Z,45nm,0.6s		pmax	pmax			
KKN	Kakani	39.68 279 eP	P	P	23 11 59.0	-0.7	
DMN	Daman	39.87 279 eP	P	P	23 12 00.5	-0.7	
PSI	Prapat	39.95 235 P	P	P	23 12 02.2	+0.5	
PSI	comp=Z,3.5nm,0.4s,baz=359,slo=8.9,SNR=4.1		P	P			
GKN	Gorkha	40.18 280 eP	P	P	23 12 02.8	-0.9	
DANN	Dangsing	40.86 281 eP	P	P	23 12 08.9	-0.5	
DANN	comp=Z,45nm,0.7s		pmax	pmax			
MK01	Makanchi Array	41.21 309 eP	P	P	23 12 11.4	-0.4	
MK31	Makanchi Array	41.22 309 eP	P	P	23 12 11.2	-0.7	
MK31	Makanchi Array	41.22 309 eP	pmax	pmax	23 12 10.8	-1.1	
MK31	Makanchi Array	41.22 309 eP	pmax	pmax			
MKAR	Makanchi Array	41.22 309 P	P	P	23 12 10.5	-1.4	
MKAR	comp=Z,2.7nm,0.4s,baz=90,slo=10,SNR=90		PcP	PcP			
MKAR	comp=Z,1.3nm,0.7s,baz=103,slo=2.6,SNR=4.0		LR	LR	23 14 08.6	-1.9	
MKAR	comp=Z,141nm,18.5s,baz=112,slo=39		LR	LR	23 31 06.9		
MKAR	Makanchi Array	41.22 309 eP	P	P	23 12 11.2	-0.7	
MKAR	comp=Z,25nm,0.5s		PcP	PcP			
MKAR	Zalesovo Array	41.25 320 eP	P	P	23 12 10.4	-1.5	
ZALV	Zalesovo Beam	41.25 320 P	P	P	23 12 10.4	-1.5	
ZALV	comp=Z,4.4nm,0.5s,baz=112,slo=8.1,SNR=20		PcP	PcP			
ZALV	comp=Z,1.3nm,0.5s,baz=97,slo=3.4,SNR=6.0		LR	LR	23 31 17.3		
ZALV	comp=Z,369nm,18.7s,baz=68,slo=39		LR	LR			
ZALV	Zalesovo Beam	41.25 320 eP	P	P	23 12 10.4	-1.5	
ZALV	comp=Z,5.5nm,0.6s		ePcP	ePcP	23 14 09.3	-1.0	
ZALV	Zalesovo Beam	41.25 320 eP	P	P	23 12 10.4	-1.5	
ZALV			eP	eP	23 14 09.3		
MAKZ	Makanchi	41.44 309 eP	P	P	23 12 12.4	-1.2	
MAKZ	comp=Z,11nm,1.4s		pmax	pmax			
MAKZ	Makanchi	41.44 309 eP	P	P	23 12 12.4	-1.2	
MAKZ			pmax	pmax			
PYUN	Puitha	41.58 280 eP	P	P	23 12 13.7	-1.5	
LEM	Lembang	42.11 215 P	P	P	23 12 20.5	+1.0	
TIXI	Tiksi	42.50 359 LR	LR	LR	23 31 20.9		
TIXI	comp=Z,136nm,19.6s,baz=90,slo=38		LR	LR			
TIXI	Tiksi	42.50 359j eP	P	P	23 12 22.0	+0.1	
TIXI			pmax	pmax			
BILL	Bilbino	44.20 18 eP	P	P	23 12 35.2	-0.4	
BILL	comp=Z,13nm,1.2s		eP	eP	23 12 35.4	-0.2	
BILL	Bilbino	44.20 18c/P	P	P	23 14 20.4		
BILL			eP	eP	23 14 57.5		
BILL	comp=Z,6.0nm,0.7s		pmax	pmax			
BILL	comp=Z,164nm,22.0s						

Table of astronomical observations with columns for station name (e.g., AK5B, KIEV), frequency, polarization, and other parameters.

Table of astronomical observations with columns for station name (e.g., KHC, J08A), frequency, polarization, and other parameters.

Table of astronomical observations with columns for station name (e.g., EGRO, PBEJ), frequency, polarization, and other parameters.

Table with columns for station name, coordinates, time, and other parameters. Includes stations like EADA Adamuz, EADA Adama, EGOR Sierra Gorda, etc.

Table with columns for station name, coordinates, time, and other parameters. Includes stations like EAGO Agolada, EMAZ Mazaricos, ETOB Tobarra, etc.

Table with columns for station name, coordinates, time, and other parameters. Includes stations like JAGN Aguni-jima, JAGN Kume jima 2, etc.

NIED 05 23:24:00.37;10N;140:50E,h11km,Mw3.7 Best double couple: M0.39400x1014 NP1:~178.00000; ~85.00000; ...

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like JFFD Fukushimafurudo, JFFD Iwakimizuishi, etc.

ISCJB 05 23:28:46.1±0.8,24;9S:0.1x179.9E:0.2,h501km, mb3.8/12, Error ellipse: s-maj=19.5km s-min=15.5km az=152.1

ISC 05 23:28:46.3±2.8,24;80S;179.98E,h494km,28km, mb3.4/12, mb1 3.6/13, mb1mx3.3/5, mbtmp4.3/13, Error ellipse: s-maj=16.2km s-min=6.2km az=52.0

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like URZ Urewera, CTA Charters Tower, STKA Stephens Creek, etc.

ISC 05 23:28:00.2±3.5,143N;146°83E,h0km,mb3.6/4, mb1 3.7/5, mb1mx3.3/70, mbtmp3.6/4, ML3.4/1, Error ellipse: s-maj=83.7km s-min=26.3km az=144.0, Mariana Islands

TAOE	Nuku Hiva Isla	37.22 85	eLR	LR	00 57 45.0
H1N13	WAKE ISLAND Hy	37.30 336	T	T	01 27 11.0
H1N11	WAKE ISLAND Hy	37.30 336	T	T	01 27 33.2
H1N12	WAKE ISLAND Hy	37.32 336	T	T	01 27 38.2
HLP	Hilina Pali	40.29 34	eP	P	00 48 15.2 +0.8
STKA	Stephens Creek	40.84 238	eP	P	00 48 15.2 -3.4
STKA	Stephens Creek	40.84 238	eP	P	01 03 09.7
STKA	Stephens Creek	40.84 238	eP	P	00 48 18.1 -0.8
STKA	Stephens Creek	40.84 238	eP	P	00 48 18.0 -0.8
RKT	Rikitea	41.23 108	eLR	LQ	00 57 54.8
RKT	Rikitea	41.23 108	eLR	LR	00 59 48.5
RKT	Rikitea	41.23 108	eT	T	01 32 06.9
WB2	Warramunga Arr	45.93 256	eP	P	00 49 00.1 0.0
WRAB	Tennant Creek	45.93 256	eP	P	00 48 58.3 -1.8
WRA	Warramunga Arr	45.94 256	eP	P	00 48 55.2 -5.0
WRA	Warramunga Arr	45.94 256	eP	P	01 07 19.6
AS01	Alice Springs	46.33 251	eP	P	00 49 03.1 -0.2
AS01	Alice Springs	46.33 251	eP	P	00 50 39.8 +1.2
AS01	Alice Springs	46.33 251	eP	P	00 49 04.9 +1.2
ASAR	Alice Springs	46.37 251	eP	P	00 48 59.0 -4.6
ASAR	Alice Springs	46.37 251	eP	P	00 50 34.3 -4.4
ASAR	Alice Springs	46.37 251	eP	P	01 07 47.7
GUMO	Guam	46.41 305	LR	LR	01 05 28.6
MTN	Manton Dam	49.61 265	eP	P	00 49 27.9 -0.8
BATI	Baumata	57.26 267	LR	LR	01 12 50.6
DAV	Davao City (W)	60.18 287	LR	LR	01 15 16.2
NWA	Narrogin (SRO)	61.35 240	LR	LR	01 16 06.2
SBA	Scott Base	63.73 184	eP	P	00 51 09.0 +0.8
SBA	Scott Base	63.73 184	eP	P	00 51 09.0 +0.8
VNDA	Vanda	63.77 185	eP	P	00 51 06.2 -2.3
VNDA	Vanda	63.77 185	eP	P	01 13 58.8
VNDA	Vanda	63.77 185	eP	P	00 51 09.6 +1.2
VNDA	Vanda	63.77 185	eP	P	00 51 09.6 +1.2
RPN	Rapa Nui	64.46 112	LR	LR	01 12 26.3
MJAO	Matsu Arr-Jizo	65.66 322	eP	P	00 51 22.0 +0.6
MJAR	Matsushiro Arr	65.68 322	eP	P	00 51 18.5 -3.0
MJAR	Matsushiro Arr	65.68 322	eP	P	01 14 25.1
MAJO	Matsushiro	65.68 322	eP	P	00 51 21.6 +0.1
MAJO	Matsushiro	65.68 322	eP	P	01 14 25.4
JOW	Kunigami	66.66 308	LR	LR	01 16 40.9
RGY	Tagayay City	67.03 292	LR	LR	01 16 20.0
JNU	Nakatsu	68.23 315	LR	LR	01 18 12.6
ASAJ	Asahikawa	68.72 330	LR	LR	00 51 44.4 -0.1
CASEY	Casey	69.39 204	eP	P	00 52 01.0 +1.1
PET	Petrovsk	70.36 345	eP	P	00 51 52.1 -1.3
PETK	Petrovsk	70.36 345	eP	P	01 23 06.9
YSS	Yuzh-Sakhalins	70.78 333	eS	S	00 51 54.5 +1.3
YSS	Yuzh-Sakhalins	70.78 333	eS	S	01 01 11.9 +3.9
YSS	Yuzh-Sakhalins	70.78 333	eS	S	01 01 38.3
KSR5	Korea Array	72.69 317	eP	P	00 52 03.6 -1.3
KSR5	Korea Array	72.69 317	eP	P	01 18 12.7
KSR5	Korea Array	72.69 317	eP	P	00 52 06.1 +1.1
KSAR	Korea Array	72.71 317	eP	P	00 52 03.6 -1.5
KSAR	Korea Array	72.71 317	eP	P	01 25 52.8
LEMB	Lembang	73.48 267	LR	LR	00 50 12.5 -1.6
USRK	Ussuriysk Ar.	74.28 325	eP	P	01 20 38.9
USRK	Ussuriysk Ar.	74.28 325	eP	P	00 52 19.0 +0.3
CMB	Columbia Colle	75.02 44	eP	P	00 52 19.0 +0.3
CMB	Columbia Colle	75.02 44	eP	P	00 52 19.0 +0.3
AFDM	Forest Hills D	75.12 42	eP	P	00 52 19.9 +0.6
QSPA	South Pole Qui	75.43 180	eP	P	00 52 21.1 +0.4
YBH	Yreka Blue Hor	75.58 39	LR	LR	01 18 10.7
YBH	Yreka Blue Hor	75.58 39	LR	LR	00 52 22.7 +0.8
YBH	Yreka Blue Hor	75.58 39	LR	LR	00 52 22.7 +0.8
YBH	Yreka Blue Hor	75.58 39	LR	LR	00 52 24.6 +0.6
HUMO	Hull Mountain	75.93 38	eP	P	00 52 25.1 +1.2
DAC	Darwin (Calf)	76.01 46	eP	P	00 52 30.1 +5.4
BEKR	Beckworth	76.02 42	eP	P	00 52 25.2 +0.6
GSC	Goldstone B	76.09 47	eP	P	00 52 25.7 +0.8
GSC	Goldstone B	76.09 47	eP	P	00 52 25.7 +0.8
LPIG	La Paz	76.25 60	LR	LR	01 17 29.1
YERR	Yerington	76.28 43	eP	P	00 52 26.5 +0.4
NJ2	Nanjing	76.36 309	eP	P	00 52 27.3 +0.9
GRNR	Gornyy	76.42 332	eP	P	00 52 27.5 +1.1
PAHR	Pan Rah Rang	76.57 42	eP	P	00 52 28.4 +0.7
RYN	Ryan	76.58 44	eP	P	00 52 28.2 +0.4
NV01	Mina Array Sit	76.62 44	eP	P	00 52 27.8 -0.2
NVAR	Mina Array	76.62 44	eP	P	00 52 28.2 +0.2
NVAR	Mina Array	76.62 44	eP	P	01 18 25.1
NV11	Mina Array Sit	76.72 44	eP	P	00 52 28.9 +0.4
KVN	Kaiserville	77.08 44	eP	P	00 52 30.8 +0.2
KVN	Kaiserville	77.08 44	eP	P	00 52 30.8 +0.2

MOD	Modoc Plateau	77.17 40	eP	P	00 52 31.4 +0.4
K05A	Summer Lake	77.25 39	eP	P	00 52 32.1 +0.6
TPNV	Topopah Spring	77.29 46	eP	P	00 52 32.2 +0.4
TPNV	Topopah Spring	77.29 46	eP	P	00 52 32.2 +0.4
KLR	Kul'dur	77.62 329	eP	P	00 52 33.6 +0.5
PINE	Pine Mountain	77.82 38	eP	P	00 52 35.3 +0.7
SHPR	Sheep Range	77.84 47	eP	P	00 52 35.5 +0.7
HO2S1	DAWSON INLET T	77.90 26	T	T	02 18 14.3
W13A	Hualapai Mount	78.10 49	eP	P	00 52 37.5 +1.1
Y14A	Wickenburg	78.22 50	eP	P	00 52 37.6 +0.6
BMN	Battle Mountain	78.36 43	eP	P	00 52 38.4 +0.7
BMN	Battle Mountain	78.36 43	eP	P	00 52 38.4 +0.7
BMN	Battle Mountain	78.36 43	eP	P	00 52 39.0 +0.8
R11A	Troy Canyon, C	78.43 45	eP	P	00 52 39.1 +0.8
WVOR	Wild Horse Val	78.50 40	eP	P	00 52 39.1 +0.8
WVOR	Wild Horse Val	78.50 40	eP	P	00 52 39.1 +0.8
QIZ	Qiongzong	78.72 293	eP	P	00 52 38.7 -1.2
QIZ	Qiongzong	78.72 293	eP	P	00 52 36.5 -1.6
J08A	Circle Star Ran	79.09 40	eP	P	00 52 41.8 +0.2
TUC	Tucson	79.19 52	eP	P	00 52 44.0 +1.6
TUC	Tucson	79.19 52	eP	P	00 52 44.0 +1.6
WHN	Wuhan	79.19 306	P	P	00 52 43.5 +1.2
X16A	Lo Mia Camp, P	79.50 50	eP	P	00 52 46.2 +1.6
CCUT	Cedar City	79.60 47	eP	P	00 52 46.0 +1.3
PSUT	Pine Spring	79.71 46	eP	P	00 52 46.0 +0.8
KNB	Kanab	79.74 47	eP	P	00 52 47.2 +1.9
KNB	Kanab	79.74 47	eP	P	00 52 47.2 +1.9
G08A	Pilot Rock	79.83 38	eP	P	00 52 46.4 +0.8
U15A	North Rim	79.85 48	eP	P	00 52 46.9 +0.7
BMO	Blue Mountains	80.59 39	eP	P	00 52 51.1 +1.5
BMO	Blue Mountains	80.59 39	eP	P	00 52 51.1 +1.5
MTPU	Mount Pierson	80.65 47	eP	P	00 52 53.0 +2.5
SEY	Seymour	80.72 347	eP	P	00 52 48.5 -1.3
MFID	Camach Ranch	80.77 41	eP	P	00 52 51.2 +0.5
JIS	Juneau Island	80.84 22	eP	P	00 52 51.2 +0.7
MSU	Marysvale	80.87 46	eP	P	00 52 52.2 +0.7
MSU	Marysvale	80.87 46	eP	P	00 52 53.7 +0.6
DUG	Dugway, Tooele	81.20 45	eP	P	00 52 53.7 +0.6
DUG	Dugway, Tooele	81.20 45	eP	P	00 52 56.3 +0.6
HLID	Halley	81.74 41	eP	P	00 52 56.3 +0.4
TMUT	Trail Mountain	81.89 46	eP	P	00 52 58.0 +1.0
BJI	Beijing	81.91 315	eP	P	00 52 58.1 +1.5
HJU	Hansel Valley	81.95 43	eP	P	00 52 58.2 +1.1
HVU	Hansel Valley	81.95 43	eP	P	00 52 58.2 +1.1
MLY	Manley	82.00 11	eP	P	00 52 55.1 -1.5
CCB	Clear Creek Bu	82.24 13	eP	P	00 52 59.4 +1.6
SRU	San Rafael Swe	82.29 46	eP	P	00 53 00.0 +1.1
P17A	Butcher Ranch,	82.30 46	eP	P	00 53 01.6 +2.7
JLU	Jordanelle	82.31 45	eP	P	00 53 00.0 +0.9
MDM	Murphy Dome	82.43 12	eP	P	00 53 01.2 +2.4
IL1	Eielson Array	82.55 13	eP	P	00 52 59.7 +0.3
ILAR	Eielson Array	82.55 13	eP	P	00 52 59.6 +0.2
ILB	Eielson Array	82.55 13	eP	P	00 53 00.8 +1.4
DLBO	Dease Lake	82.56 23	LR	LR	01 24 27.5
ZEZ	Zeya	82.63 331	eP	P	00 52 58.2 -1.9
ZEZ	Zeya	82.63 331	eP	P	00 53 02.4 +1.5
HWUT	Hardware Ranch	82.68 44	eP	P	00 53 06.0 +4.8
P18A	Preston Tunnel	82.71 46	eP	P	00 53 03.5 +1.6
LAZ	Ladaro	82.86 52	eP	P	00 53 03.5 +1.6
LENM	Lemitar	82.86 52	eP	P	00 53 04.7 +2.7
PV05	Paradox Valley	83.01 47	eP	P	00 53 04.7 +1.8
PV03	Paradox Valley	83.01 47	eP	P	00 53 04.7 +1.4
PV04	Paradox Valley	83.13 48	eP	P	00 53 05.5 +2.2
MNTX	Cornudas Mount	83.17 55	eP	P	00 53 04.4 +0.9
PV02	Paradox Valley	83.18 48	eP	P	00 53 04.2 +0.6
BILL	Bilibino	83.23 354	eP	P	00 53 00.7 -2.2
BILL	Bilibino	83.23 354	eP	P	00 56 16.0
PV01	Paradox Valley	83.27 48	eP	P	00 53 05.0 +1.0
MCMT	McKenzie Canyo	83.33 40	eP	P	00 53 05.8 +1.5
PV07	Paradox Valley	83.34 48	eP	P	00 53 05.2 +0.8
PV15	Paradox Valley	83.42 48	eP	P	00 53 06.3 +1.4
AHID	Auturn Hatcher	83.51 43	eP	P	00 53 06.8 +1.6
ANMO	Albuquerque	83.56 52	eP	P	00 53 06.5 +0.9
ANMO	Albuquerque	83.56 52	eP	P	01 23 53.5
ANMO	Albuquerque	83.56 52	eP	P	00 53 06.7 +1.1
ANMO	Albuquerque	83.56 52	eP	P	00 53 05.6 0.0
TX31	Lajitas Ar. Si	83.70 58	eP	P	00 53 07.3 +0.9
TXAR	Lajitas Array	83.70 58	eP	P	00 53 07.3 +0.9
TXAR	Lajitas Array	83.70 58	eP	P	01 23 54.3
DLMT	Dillon	83.74 40	eP	P	00 53 06.9 +0.7
EGAK	Eagle	83.88 15	eP	P	00 53 07.1 +0.8
TPAW	Teton Pass	83.93 42	eP	P	00 53 09.1 +1.6
REDW	Red Top Meadow	83.94 42	eP	P	00 53 08.2 +0.8
FXWY	Fox Creek	83.95 42	eP	P	00 53 09.0 +1.6
GYA	Gulyang	83.98 299	eP	P	00 53 08.8 +1.0

GYA	GYA	84.07 10	eP	P	00 53 08.8 +1.6
IMW	Indian Meadow	84.12 42	eP	P	00 53 09.4 +1.0
MOOW	Moose Ponds	84.18 42	eP	P	00 53 09.5 +0.9
LOHW	Long Hollow	84.21 42	eP	P	00 53 10.7 +1.9
PSI	Prapat	84.25 274	LR	LR	01 32 59.4
O20A	White River Ci	84.32 46	eP	P	00 53 10.0 +0.6
YHB	Horse Butte	84.34 41	eP	P	00 53 12.0 +2.6
S22A	4UR Ranch, Cre	84.37 49	eP	P	00 53 10.2 +0.4
BOZ	Bozeman (W)	84.45 40	eP	P	00 53 10.4 +0.6
BOZ	Bozeman (W)	84.45 40	eP	P	00 53 10.4 +0.6
BW06	Bould Array	84.53 43	eP	P	00 53 11.4 +1.0
PD31	Pinedale Array	84.53 43	eP	P	00 53 10.8 +0.3
PDAR	Pinedale Array	84.53 43	eP	P	00 53 10.7 +0.3
PDAR	Pinedale Array	84.53 43	eP	P	01 23 47.3
PDAR	Pinedale Array	84.53 43	eP	P	00 53 10.1 -0.4
SMCO	Snowmass	84.83 47	eP	P	00 53 13.2 +0.9
SDDO	Snowmass	85.34 49	eP	P	00 53 16.0 +1.3
HHC	Hu-ho-hao-te	85.44 314	eP	P	00 53 16.1 +1.2
HHC	Hu-ho-hao-te	85.44 314	eP	P	01 03 46.1 -0.3
HHC	Hu-ho-hao-te	85.44 314	eP	P	01 03 54.5 +2.6
HHC	Hu-ho-hao-te	85.44 314	eP	P	00 53 16.1 +1.2
RLMT	Red Lodge	85.73 41	eP	P	00 53 17.6 +1.2
LNIG	Linare	85.78 63	eP	P	00 53 16.5 -0.3
PMSA	Palmer Station	86.58 157	LR	LR	01 23 11.9
KMI	Kunming	86.91 297	P	P	00 53 24.7 +2.1
KMI	Kunming	86.91 297	P	P	01 03 59.8 -1.8
KMI	Kunming	86.91 297	P	P	01 04 16.1 +6.7

6d 1h

Table with columns: WLF, WLF, WLF, CONA, MOA, ARSA, BFO, BFO, SOKA, KBA, WATA, RETA, WTAA, MOTA, OBKA, MYKA, DAVA, ABTA, FETA, VISS. Includes station names, coordinates, and various codes.

JMA 06 00:46:16.3,24.24N,121.79E,h59km,1km,M2.8
ISCJB 06 00:46:17.3,0.3,24.28N,0.02,121.86E,0.02,h48km,3km,
Error ellipse: s-maj=3.1km s-min=2.2km az=4.9

TAP 06 00:46:17.7,24.31N,121.77E,h46km,ML3.3,B
ISC 06 00:46:17.1,2,24.29N,0.02,121.84E,0.02,h47km,5km,

Main table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res. Lists various stations like NANO, ENAH, ENA, ENA, NACB, NACB, TWD, TWD, TWC, TWC, EOS1, EOS1, ENTT, ENTT, ENLB, ENLB, NNSB, NNSB, NNSH, NNSH, NNS, NNS, TWE, TWE, TWE, SLBB, SLBB, WHF, WHF, EGS, YHNB, YHNB, NSK, NSK, ESL, ESL, TDCB, TDCB, CHGB, CHGB, TIPB, TIPB, EGFB, EGFB, TWA, TWA, TATO, TATO, WLTB, WLTB, NWF, NWF, NWF, WFSB, WFSB, LIOB, LIOB, VWDT, VWDT, VWDT, NSTT, NSTT, HGSD, HGSD, TWS1.

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Table with columns: TWS1, YM07, YM07, YM07, YM11, EHY, EHY, EHY, YM03, SMLT, SMLT, SMLT, SSSLB, SSSLB, TYC, TYC, TWY, TWY, YJNG, YJNG, YULB, YULB, TWF1, TWF1, YOJ, YOJ, YOJ, WNT, WNT, FULB, FULB, ALS, ALS, CHNS, CHNS, PCYT, PCYT, CHN4, CHN4, TPUB, TPUB, STYT, STYT, WTP, WTP, TWK, TWK, CHN1, CHN1, CHN1, IRIF, IRIF, HATJ, HATJ, SSD, SSD, JKRS, JKRS, MASBT, MASBT, JIJ, JIJ, JIJ, JISG, JISG, JTJ, JTJ, GUC 06 00:48:56.9,0.6,35.94S,70.88W,h15km,7km,ML3.5,1C, Chile-Argentina border region, NICH, NICH, NICH, NICH, CCHI, CCHI, CCHI, GO05, GO05, GO05, CLCH, CLCH, FCH, FCH, FCH, FCH, PEL, PEL, ROCH, ROCH, ROCH, TMO, TMO, MEX 06 01:01:00.1,0.3,14.13N,92.63W,h22km,16km,MD3.9, Near coast of Chiapas, PCIG, PCIG, CCIG, CCIG, TGIG, TGIG, NNC 06 01:07:12.8,5.5,37.93N,71.55E,h0km,mb3.6,mpv3.2, 3C-3D, Error ellipse: s-maj=42.1km s-min=30.7km az=178.0, Afghanistan-Tajikistan border region, SFK, SFK, MNAS, MNAS, KK31, KK31, KK31.

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res. Includes stations like ISCJB, IDC, ISC, PSI, PSI, CMAR, CMAR, HOBS2, HOBS2, HOBS3, HOBS3, HOBS1, HOBS1, MKAR, MKAR, WRA, WRA, SONM, SONM, KURBB, KURBB, ZALV, ZALV, BVAR, BVAR, BRTR, BRTR.

KRSC 06 01:20:45.2,1.1,55.73N,164.94E,h40km,20km,ML3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res. Lists stations like BKI, BKI, BKI, KBTR, KBTR, SMKR, SMKR, MKZ, MKZ, BDR, BDR, SRKR, SRKR, ZLN, ZLN, CIHR, CIHR, BZGR, BZGR, LGNR, LGNR, KLY, KLY, BZWR, BZWR, KIRR, KIRR, TUMD, TUMD, KMRN, KMRN, KPT, KPT, KZV, KZV, TUMR, TUMR, KOZ, KOZ, SPN, SPN, SPN, SDR, SDR, SMAR, SMAR, UGLR, UGLR, AVH, AVH, GNL, GNL, KRMR, KRMR, RUS, RUS, ASAK, ASAK.

BUI 06 01:21:59.5,61.50N,151.30W,h80km,mb4.8/23, mb5.0/14, Ms4.3/2, Ms7.4/02

MOS 06 01:22:01.3,0.9,61.69N,151.49W,h80km,mb5.0/28, Error ellipse: s-maj=1.8km s-min=5.3km az=92.6

ISCJB 06 01:22:02.4,0.1,61.69N,0.02,151.24W,0.03,h88km,1km, mb4.6/13, Error ellipse: s-maj=2.8km s-min=2.6km az=147.2

NEIC 06 01:22:04.0,0.6,61.68N,151.27W,h85km,mb4.4/29, MW4.7,ML4.4(AEIC), Moment Tensor Solution. s84

Moment tensor: Scale 10^16Nm; Mn:0.64; Mw:-1.2; Mx:0.48; My:0.31; Mz:0.36; Mo:0.49; Best double couple: M1:20000x1016 Nm, N1:63.17,00000, -852,00000, 1,146,00000, NP2:69,00000, 864,00000, A43,00000, Principal axes: T: 1.0700, Plg48.0000, Azm289.0000; N: 0.1600, Plg41.0000, Azm94.0000; P: -1.2300, Plg7.0000, Azm190.0000; After AEIC.

NEIC Fel [IV] at Anchorage and [III] at Talkeetna. Also felt at Chugiak, Eagle River, Elmendorf AFB, Girdwood, Kenai, Wasilla and Willow.

IDC 06 01:22:04.7,0.5,61.89N,151.48W,h86km,4km,mb4.2/27, mb1.4/328, mb1mx4.1/70, mbtmp4.5/28, MS3.4/10, Ms1.3/10, ms1mx3.1/67 Error ellipse: s-maj=10.2km s-min=5.6km az=52.0

ISC 06 01:22:04.0,0.4,61.67N,0.03,151.31W,0.03,h88km,2km, h88km;P-P. n342,61920/401,mb4.6/13,22C-11D,

Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, ISC, Time, Res. Lists stations like SKT, SKT, SKT, SUA, SUA, SUA, SPCG, SPCG, SPCG, SPCP, SPCP, SPCP, FIB, FIB, FIB, RC01, RC01, PMR, PMR, PMR, PMR, GHO, GHO, GHO, PPLA, PPLA, RDJH, RDJH, RDJH, RDN, RDN, KNK, KNK, RDWB, RDWB, SML, SML, SML, SML, SML, HUR, HUR, ILIM, ILIM, CAST, CAST, TRF, TRF, KTH, KTH, SCM, SCM, SCM, BRLK, BRLK, HOM, HOM, SVDJ, SVDJ, CNPM, CNPM, CHUM, CHUM, CHUM, DHY, DHY, MCK, MCK.

MCK McKinley 2.34 27 P Pn	01 22 40.1 -0.4	comp=Z,0.6nm,0.7s,baz=304,slow=3.9,SNR=5.3	PDAR Pinedale Array 3105 108 P P	01 28 15.7 +2.2	KLMR Klimovskoe 57.52 354 eP AMP P	01 31 41.9 -1.4
BPWV Bear Paw Mtn. 2.44 3 P Pn	01 22 41.2 -0.7	comp=Z,0.2nm,0.5s,baz=311,slow=4.3,SNR=4.5	KLMR 57.52 354 eP AMP P	01 31 43.8		
VMT TAPS TI Valdez 2.45 102 P Pn	01 22 40.1 -1.8		PDAR comp=Z,2.4nm,0.9s,baz=317,slow=2.2,SNR=10	01 28 35.0 +1.4	KLMP comp=Z,2.1nm,1.3s	01 32 04.2 -1.0
TT01 Tatalina 2.53 30 P Pn	01 22 42.6 +0.1		PDAR comp=Z,2.4nm,0.9s,baz=317,slow=2.2,SNR=10	01 28 35.0 +1.4	HFS comp=Z,2.1nm,1.3s	01 31 45.6 -1.0
AUNW Augustine NWes 2.54 206 P Pn	01 22 43.3 +0.4		PDAR comp=Z,0.9nm,0.6s,baz=305,slow=5.2,SNR=4.3	01 34 42.1 +0.7	HFS comp=Z,4.5nm,0.7s,baz=22,slow=5.1,SNR=20	01 32 07.7 -0.8
AUW Augustine West 2.54 206 P Pn	01 22 43.3 +0.4		PDAR comp=Z,0.5nm,0.6s,baz=112,slow=1.1,SNR=5.1	01 41 28.7	HHC comp=Z,5.4nm,0.9s,baz=25,slow=6.2,SNR=3.9	01 31 47.9 -0.3
AUI Augustine Isla 2.57 205 P Pn	01 22 43.5 +0.1		PDAR comp=Z,2.8nm,22.0s,baz=326,slow=37	01 28 14.3 +0.7	HHC comp=Z,1.9nm,1.0s	
KLU Klutina 2.58 92 P Pn	01 22 42.0 -1.8		HWUT Hardware Ranch 31.08 112 eP P	01 28 19.6 +0.7	HHC comp=Z,1.10nm,5.4s	01 31 57.8 +0.4
KLU 2.58 92 P Pn	01 22 42.0 -1.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	DGZ Jazator, Alta 59.49 320 eP P	01 59 57.6
BWN Browne 2.65 18 P S	01 22 44.4 +0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
HIN Hinchinbrook I 2.67 117 P Pn	01 22 43.0 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
DIY Divide 2.72 99 P Pn	01 22 46.6 +0.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PS11 TAPS Pump St11 2.79 79 P Pn	01 22 46.6 +0.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
CDD Cape Douglas 2.99 204 P Pn	01 22 48.9 -0.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
HARP HAARP 2.99 73 P Pn	01 22 49.1 -0.1		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PAX Paxson 3.02 62 P Pn	01 22 49.5 -0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PAX Paxson 3.02 62 P Pn	01 22 49.5 -0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PAE Nenana 3.09 18 P Pn	01 22 49.8 -0.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PS10 TAPS Pump St10 3.11 53 P Pn	01 22 51.6 +0.7		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
WRH Wood River Hill 3.17 26 P Pn	01 22 50.8 -0.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BMRM Bremner River 3.31 99 P Pn	01 22 51.0 -2.5		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
GOAT Goat Mountain 3.37 106 P Pn	01 22 52.1 -2.3		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
COB Clear Creek Bu 3.38 26 P Pn	01 22 53.6 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
MLY Manley 3.38 4 P Pn	01 22 53.6 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KAPH Katmai Pasha 3.44 208 P Pn	01 22 55.5 +0.1		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PS08 TAPS Pump Stn8 3.53 33 P Pn	01 22 55.9 -0.6		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KAHC Katmai Hardscr 3.55 213 P Pn	01 22 56.7 -0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
MURP Murphy Dome 3.58 21 P Pn	01 22 56.5 -0.7		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
GLB Gilshahi Butte 3.59 21 P Pn	01 22 57.9 -1.7		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ILAR Eilson Array 3.70 31 P Pn	01 22 57.9 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ILAR 36nm,0.3s,baz=218,slow=14,SNR=1679	01 23 37.8 -3.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ILAR 68nm,0.3s,baz=217,slow=18,SNR=6.6	01 24 08.3		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ILAR comp=Z,1.96nm,21.8s,baz=224,slow=35	01 22 57.9 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ILB Eilson Array 3.70 31 P Pn	01 22 57.9 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
GLM Gilmore Dome 3.77 26 P Pn	01 22 59.1 -0.6		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
VRDI Verde Repeater 3.83 93 P Pn	01 23 08.1 -2.1		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KAKN Katmai Ridge C 3.88 21 P Pn	01 23 01.1 +2.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BERG Berg Lake 3.92 106 P Pn	01 22 59.0 -2.7		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KELA Mount Kelaz 3.93 216 P Pn	01 23 02.2 +0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KABU Katmai Buttes 3.95 212 P Pn	01 23 02.6 +0.3		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KDAK Kodiak Island 3.96 190 P Pn	01 23 00.1 -2.1		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KDAK 11nm,0.3s,baz=46,slow=7.1,SNR=178	01 23 43.8 -3.6		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KDAK comp=Z,0.3s,baz=121,slow=23,SNR=7.2	01 23 00.4 -1.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KDAK Kodiak Island 3.96 190 P Pn	01 23 43.9 -3.5		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KDAK 3.96 190 P Pn	01 23 00.3 -1.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KDAK 3.96 190 P Pn	01 23 01.9 -0.7		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
MCARA McCarthy VSAT 3.98 91 P Pn	01 23 04.1 +0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ANCK Angle Creek 4.07 213 P Pn	01 23 02.3 -2.1		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KHHT Khitrov Hills 4.11 104 P Pn	01 23 02.7 -2.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
GRIM Grindlie Hills 4.13 106 P Pn	01 23 02.2 +0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
CAHII Cahill 4.41 211 P Pn	01 23 05.3 -1.5		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PTPK Patty Peak 4.27 93 P Pn	01 23 06.0 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BALM Baldy 4.36 94 P Pn	01 23 06.0 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BALM Baldy 4.36 94 P Pn	01 23 06.0 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KIAG Klagna River 4.39 96 P Pn	01 23 06.2 -2.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
KULT Kullieih River 4.42 105 P Pn	01 23 09.1 -2.6		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
IMO1 Indian Moutai 4.47 347 P Pn	01 23 07.3 -3.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
OHAK Old Harbor 4.58 194 P Pn	01 23 09.5 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BAGL Bagley Icefield 4.63 101 P Pn	01 23 10.8 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PRP Porcupine Dome 4.64 31 P Pn	01 23 10.8 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ECAS Beaver Creek A 4.65 68 P Pn	01 23 10.8 -0.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BARN Barnard Glacier 4.72 97 P Pn	01 23 10.9 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
GRNC Granite Creek 4.72 97 P Pn	01 23 10.9 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PLK1 Peulik 1 4.72 217 P Pn	01 23 13.0 +0.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
YAH Yahtse 4.83 102 P Pn	01 23 12.6 -1.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
CTGM Chitina Glacier 4.86 94 P Pn	01 23 12.9 -1.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
YUK2 White River 4.93 64 P Pn	01 23 18.9 +0.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PS05 TAPS Pump Stn5 5.17 3 P Pn	01 23 22.8 -1.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
EGAK Eagle 5.54 51 ePn	01 23 23.8 -0.6		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
FYU Fort Yukon 5.58 26 P Pn	01 23 23.7 +1.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
COLD Coldfoot 5.69 22 P Pn	01 23 28.7 +1.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
ANNW Aniakchak Nort 5.89 220 P Pn	01 23 28.5 -1.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
DAWY Dawson 5.96 61 ePn	01 23 31.0 +1.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
DAWY 245nm,0.6s	01 23 35.5 -0.6		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
AZAC Aniakchak 5.96 220 P Pn	01 23 35.9 -1.0		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BM3 Burnett Mountain 6.45 24 P Pn	01 23 38.7 -1.2		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
YUJ Dusty Glacier 6.49 94 P Pn	01 23 44.8 +0.7		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
HYT Haines Junctio 6.71 91 P Pn	01 23 58.0 -0.5		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
TOLK Toolik Lake Re 7.04 5 P Pn	01 24 06.1 -1.8		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PLBC Pleasant Camp 7.69 100 P Pn	01 24 10.8 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
SDPT Sand Point 7.95 221 P Pn	01 24 23.1 -1.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
PS01 TAPS Pump Stn 7.95 221 P Pn	01 24 23.1 -1.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
BESE Bessie Mountain 8.77 103 P Pn	01 24 23.1 -1.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
JIS Jeneau Island 9.13 104 P Pn	01 24 23.1 -1.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
INK Inuvik 10.01 41 P Pn	01 26 12.9 -1.9		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
INK 15nm,0.3s,baz=245,slow=13,SNR=263	01 24 39.4 +0.4		DUG Dugway, Tooele 31.68 115 eP P	01 28 19.6 +0.7	ARU Arti 59.93 341 eP LR	01 59 57.6
WRAK Wrangell Islan 11.07 110 ePn	01 24 38.3 -1.3		DUG Dug			

Table with columns for location (e.g., MNAI, MCO, GZH, MASJ, YSS, etc.), time (e.g., 64.10 272, 64.11 304), and status (e.g., P, P, P, etc.).

Table with columns for location (e.g., DL2, DL2, DL2, DL2, ATKA, SISI, etc.), time (e.g., 02 38 40.5 +0.8, 02 38 39.4 -0.3), and status (e.g., P, P, P, etc.).

Table with columns for location (e.g., PHIT, TIY, TIY, TIY, TIY, etc.), time (e.g., 73.18 293, 73.21 291), and status (e.g., P, P, P, etc.).

6d 2h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like GLA Glamis, G06A Carison Farm, BOK Bokaro, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like X16A Lo Mia Camp, SKHT Srikalahasti, KOLN Koldanda, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like QLMT Earthquake Lak, MVCO Mesa Verde, BOZ Bozeman (W), etc.

Table with columns for station name, coordinates, and various status indicators. Includes stations like Makanchi Array, Zalesovo Array, and Yellowknife Ar.

Table with columns for station name, coordinates, and various status indicators. Includes stations like Cedar Bluff, Wichita Moun, and Lake Whitney.

Table with columns for station name, coordinates, and various status indicators. Includes stations like Resolute Bay, Aery, Baudette, and Basin Creek Fa.

6D 2h

C37A	Embarrass	107.74	44	Pdiff	Pdiff	02 42 22.1	-1.3
N40A	Mertquake, Sal	107.78	51	Pdiff	Pdiff	02 42 23.9	+0.3
X43A	Marvell	107.79	58	Pdiff	Pdiff	02 42 24.5	+0.7
CCM	Cathedral Cave	107.82	54	Pdiff	Pdiff	02 42 24.3	+0.4
445A	Amite	107.83	62	Pdiff	Pdiff	02 42 24.1	0.0
VBMS	Vicksburg	107.85	61	Pdiff	Pdiff	02 42 25.4	+1.3
G38A	Ridgeland	107.85	47	Pdiff	Pdiff	02 42 23.7	-0.2
J39A	Decorah	107.85	49	Pdiff	Pdiff	02 42 23.8	-0.1
T42A	Van Buren	107.85	55	Pdiff	Pdiff	02 42 23.5	-0.5
F38A	Pierce - Schro	107.87	46	Pdiff	Pdiff	02 42 24.5	+0.6
M40A	Post Highland	107.87	51	Pdiff	Pdiff	02 42 23.7	-0.3
Q41A	Truxton	107.90	53	Pdiff	Pdiff	02 42 24.7	+0.5
144A	Alexander Plac	107.97	60	Pdiff	Pdiff	02 42 25.0	+0.3
W43A	Forest City	107.98	58	Pdiff	Pdiff	02 42 24.7	0.0
I39A	Houston	108.02	48	Pdiff	Pdiff	02 42 24.0	-0.7
Z44A	Pea Ridge, Bel	108.03	59	Pdiff	Pdiff	02 42 23.7	-1.2
P41A	Barry, Barry	108.09	53	Pdiff	Pdiff	02 42 25.1	0.0
E38A	The Farm, Brul	108.12	45	Pdiff	Pdiff	02 42 23.2	-1.8
L40A	Anamosa	108.13	50	Pdiff	Pdiff	02 42 24.3	-0.9
646A	Port Sulphur	108.14	63	Pdiff	Pdiff	02 42 25.5	+0.1
S42A	Caledonia	108.15	55	Pdiff	Pdiff	02 42 25.0	-0.4
345A	Thompson Farm,	108.16	62	Pdiff	Pdiff	02 42 26.1	+0.6
R43A	Jonesboro	108.18	57	Pdiff	Pdiff	02 42 25.6	+0.1
V42A	Luebbering	108.19	54	Pdiff	Pdiff	02 42 23.9	-1.7
EYMN	Ely	108.21	44	Pdiff	Pdiff	02 42 23.6	-1.8
H39A	Augusta	108.23	47	Pdiff	Pdiff	02 42 25.1	-0.5
K40A	Colesburg	108.23	50	Pdiff	Pdiff	02 42 24.5	-1.1
041A	Passleys Farm,	108.26	52	Pdiff	Pdiff	02 42 25.2	-0.6
Y44A	Strider, Charl	108.28	59	Pdiff	Pdiff	02 42 25.6	-0.5
N41A	Harden Midland	108.32	52	Pdiff	Pdiff	02 42 25.4	-0.7
G39A	Holcombe	108.34	47	Pdiff	Pdiff	02 42 25.4	-0.6
U43A	Rector	108.34	56	Pdiff	Pdiff	02 42 25.7	-0.6
245A	Little AP, Sta	108.35	61	Pdiff	Pdiff	02 42 26.5	+0.1
C38A	Sawbill Land.	108.35	44	Pdiff	Pdiff	02 42 24.9	-1.2
145A	Houston Renfro	108.38	60	Pdiff	Pdiff	02 42 27.4	+0.9
X44A	Crenshaw	108.39	58	Pdiff	Pdiff	02 42 26.6	+0.1
Q42A	Golden Eagle	108.44	54	Pdiff	Pdiff	02 42 27.0	+0.3
T43A	Greenville	108.50	55	Pdiff	Pdiff	02 42 26.9	0.0
F39A	Loretta	108.54	46	Pdiff	Pdiff	02 42 26.3	-0.6
J40A	Soldiers Grove	108.56	49	Pdiff	Pdiff	02 42 25.7	-1.4
M41A	Milan	108.60	51	Pdiff	Pdiff	02 42 25.9	-1.4
P42A	Winchester	108.64	53	Pdiff	Pdiff	02 42 27.1	-0.4
346A	Big Creek Wild	108.65	61	Pdiff	Pdiff	02 42 28.4	+0.7
Z45A	Winona	108.66	59	Pdiff	Pdiff	02 42 27.8	+0.1
L41A	Preston	108.67	50	Pdiff	Pdiff	02 42 27.3	-0.3
446A	Poplarville	108.67	62	Pdiff	Pdiff	02 42 27.1	-0.7
I40A	Norwalk	108.67	48	Pdiff	Pdiff	02 42 25.7	-1.8
S43A	Fulton Ridge,	108.70	55	Pdiff	Pdiff	02 42 26.9	-0.9
V44A	Blytheville	108.71	57	Pdiff	Pdiff	02 42 26.4	-1.5
W44A	Shelby Farms P	108.72	58	Pdiff	Pdiff	02 42 27.6	-0.3
E39A	Mellen	108.81	46	Pdiff	Pdiff	02 42 26.0	-2.1
Y45A	Yeager Farm, C	108.83	59	Pdiff	Pdiff	02 42 28.4	-0.1
K41A	Shullsburg	108.84	50	Pdiff	Pdiff	02 42 28.0	-0.3
H40A	Chili	108.86	48	Pdiff	Pdiff	02 42 27.6	-0.8
R43A	Red Bud	108.87	54	Pdiff	Pdiff	02 42 28.3	-0.2
Q42A	Bath	108.88	52	Pdiff	Pdiff	02 42 28.5	-0.1
JFWS	Jewell Farm	108.90	49	Pdiff	Pdiff	02 42 28.1	-0.5
JFWS	Jewell Farm	108.90	49	ePKP	PKIKP	02 46 31.6	-0.9
U44A	Portageville	108.93	56	Pdiff	Pdiff	02 42 28.4	-0.4
N42A	Yates City	108.95	52	Pdiff	Pdiff	02 42 28.5	-0.4
OXF	Oxford	109.00	58	Pdiff	Pdiff	02 42 28.8	-0.4
246A	Jackson Lee, B	109.00	61	Pdiff	Pdiff	02 42 28.7	-0.6
X45A	UM Field Stati	109.00	58	Pdiff	Pdiff	02 42 29.7	+0.4
G40A	Rib Lake	109.02	47	Pdiff	Pdiff	02 42 28.3	-0.8
T44A	Benton	109.06	55	Pdiff	Pdiff	02 42 27.8	-1.6
J41A	Loganville	109.09	49	Pdiff	Pdiff	02 42 27.6	-1.8
F40A	Park Falls	109.09	46	Pdiff	Pdiff	02 42 28.3	-1.1
Q43A	New Douglas	109.09	54	Pdiff	Pdiff	02 42 28.7	-0.8
146A	Union	109.12	60	Pdiff	Pdiff	02 42 29.6	-0.2
C39A	Grand Marais	109.13	44	Pdiff	Pdiff	02 42 27.7	-1.8
M42A	Sheffield	109.19	51	Pdiff	Pdiff	02 42 28.4	-1.5
U44B	Burton Farm, H	109.19	56	Pdiff	Pdiff	02 42 29.8	-0.3
I41A	Arkdale	109.22	48	Pdiff	Pdiff	02 42 27.0	-2.9
W45A	Hickory Valley	109.23	58	Pdiff	Pdiff	02 42 28.4	-1.8
E40A	Wakefield	109.26	46	Pdiff	Pdiff	02 42 28.5	-1.6
Z46A	Louisville	109.27	60	Pdiff	Pdiff	02 42 29.3	-1.2
P43A	Skaggs, Pawnee	109.28	53	Pdiff	Pdiff	02 42 29.3	-1.0
447A	Lucedale	109.28	62	Pdiff	Pdiff	02 42 31.1	+0.6
L42A	Oliver, Polo	109.28	50	Pdiff	Pdiff	02 42 26.7	-3.6
S44A	Carbondale	109.36	55	Pdiff	Pdiff	02 42 29.6	-1.2
H41A	Junction City	109.39	48	Pdiff	Pdiff	02 42 29.6	-1.1
Y46A	Houston	109.40	59	Pdiff	Pdiff	02 42 30.5	-0.5
347A	Saraland	109.44	62	Pdiff	Pdiff	02 42 31.5	+0.3
247A	Quitman	109.44	61	Pdiff	Pdiff	02 42 33.0	+1.7
V45A	Humboldt	109.46	57	Pdiff	Pdiff	02 42 30.3	-0.9

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043A	Sugar Creek Fa	109.47	52	Pdiff	Pdiff	02 42 29.8	-1.4
HD1L	Hopedale	109.50	52	Pdiff	Pdiff	02 42 28.9	-2.4
R44A	Waltonville	109.54	54	Pdiff	Pdiff	02 42 31.3	-0.3
K42A	Prairie Point,	109.55	49	Pdiff	Pdiff	02 42 29.2	-2.3
N43A	Stutzman Famil	109.61	51	Pdiff	Pdiff	02 42 30.5	-1.3
Q44A	Meyer Farm, Va	109.62	54	Pdiff	Pdiff	02 42 31.5	-0.4
U45A	Rock P Farm,	109.67	56	Pdiff	Pdiff	02 42 31.9	-0.2
X46A	Booneville	109.68	58	Pdiff	Pdiff	02 42 31.2	-1.0
J42A	Columbus	109.73	49	Pdiff	Pdiff	02 42 31.0	-1.3
G41A	Antigo	109.74	47	Pdiff	Pdiff	02 42 31.7	-0.6
147A	Livingston	109.78	60	Pdiff	Pdiff	02 42 33.3	+0.5
COWI	Conover	109.78	46	ePKP	PKIKP	02 46 32.7	-1.4
C40A	Isle Royale Na	109.79	44	Pdiff	Pdiff	02 42 32.6	+0.2
M43A	Waltham Townsh	109.79	51	Pdiff	Pdiff	02 42 31.8	-0.7
F41A	Three Lakes	109.80	46	Pdiff	Pdiff	02 42 31.5	-1.1
T45A	Paducah	109.81	56	Pdiff	Pdiff	02 42 32.2	-0.5
W46A	Michie	109.89	58	Pdiff	Pdiff	02 42 31.6	-1.5
S45A	Carrier Mills	109.90	55	Pdiff	Pdiff	02 42 33.5	+0.4
I42A	Draeger Farm,	109.90	48	Pdiff	Pdiff	02 42 32.4	-0.6
E41A	Kenton	109.91	46	Pdiff	Pdiff	02 42 32.8	-0.2
P44A	Sand Creek, Wi	109.96	53	Pdiff	Pdiff	02 42 31.4	-2.0
448A	Bay Minette	109.97	62	Pdiff	Pdiff	02 42 35.1	+1.5
L43A	Garden Prairie	109.98	50	Pdiff	Pdiff	02 42 32.6	-0.8
348A	Clarksville	109.98	62	Pdiff	Pdiff	02 42 31.4	-2.2
Z47A	Carrollton	110.00	60	Pdiff	Pdiff	02 42 31.8	-1.8
Q44A	Mansfield	110.11	52	Pdiff	Pdiff	02 42 33.5	-0.5
U46A	Springville	110.14	56	Pdiff	Pdiff	02 42 33.9	-0.3
V46A	Holladay	110.15	57	Pdiff	Pdiff	02 42 34.7	-0.0
Y46A	Skylar, Fairfr	110.17	54	Pdiff	Pdiff	02 42 34.0	-0.3
248A	Dixon Mills	110.18	61	Pdiff	Pdiff	02 42 34.8	+0.2
D41A	Chassel	110.18	45	Pdiff	Pdiff	02 42 31.5	-2.7
H42A	Shiocton	110.19	48	Pdiff	Pdiff	02 42 33.3	-0.9
Y47A	UCCAP, Winfie	110.23	59	Pdiff	Pdiff	02 42 33.8	-1.0
J43A	Natural Harves	110.25	49	Pdiff	Pdiff	02 42 33.8	-0.8
G42A	Mountain	110.27	47	Pdiff	Pdiff	02 42 33.8	-0.8
X47A	Russelville	110.27	58	Pdiff	Pdiff	02 42 34.2	-0.7
Q45A	Warren Harvey,	110.29	54	Pdiff	Pdiff	02 42 33.1	-1.7
K43A	Burlington	110.30	50	Pdiff	Pdiff	02 42 32.8	-2.0
148A	Greensboro	110.37	60	Pdiff	Pdiff	02 42 34.0	-1.3
N44A	Piper City	110.39	52	Pdiff	Pdiff	02 42 33.7	-1.6
WVT	Waverly	110.40	57	Pdiff	Pdiff	02 42 35.6	+0.1
T46A	Princeton	110.41	56	Pdiff	Pdiff	02 42 33.3	-2.1
Z48A	Northport	110.44	60	Pdiff	Pdiff	02 42 35.6	0.0
I43A	Langenfeld Bro	110.46	48	Pdiff	Pdiff	02 42 32.7	-2.8
M44A	Midewin, Midew	110.48	51	Pdiff	Pdiff	02 42 33.9	-1.8
F42A	Maple Grove Fa	110.48	46	Pdiff	Pdiff	02 42 36.5	+0.9
449A	Pace	110.51	62	Pdiff	Pdiff	02 42 35.7	-0.3
W47A	Westpoint	110.54	58	Pdiff	Pdiff	02 42 35.1	-1.0
349A	Repton	110.58	62	Pdiff	Pdiff	02 42 35.9	-0.4
L44A	Dor Dixon Farm	110.58	55	Pdiff	Pdiff	02 42 35.2	-1.0
S46A	Lake County Fo	110.60	50	Pdiff	Pdiff	02 42 35.2	-0.9
E42A	Champion	110.63	46	Pdiff	Pdiff	02 42 36.4	+0.1
V47A	Nunnely	110.64	57	Pdiff	Pdiff	02 42 36.4	-0.1
P45A	Graceland, Par	110.64	53	Pdiff	Pdiff	02 42 37.1	+0.7
Q45A	Potomac	110.68	52	Pdiff	Pdiff	02 42 36.5	-0.1
R45L	Brewton	110.69	62	Pdiff	Pdiff	02 42 38.7	+1.9
249A	Camden	110.69	61	Pdiff	Pdiff	02 42 37.6	+0.8
H43A	Windswept, Lux	110.73	48	Pdiff	Pdiff	02 42 35.5	-1.2
R46A	Gibson Southern	110.77	54	Pdiff	Pdiff	02 42 36.3	-0.7
G43A	Wallace	110.80	47	Pdiff	Pdiff	02 42 36.3	-0.6
Y48A	Jasper	110.80	59	Pdiff	Pdiff	02 42 37.0	-0.2
U47A	Clarksville	110.86	56	Pdiff	Pdiff	02 42 35.7	-1.8
N45A	Kentland	110.86	52	Pdiff	Pdiff	02 42 37.2	-0.2
LRAL	Lakeview Retre	110.88	60	Pdiff	Pdiff	02 42 36.8	-0.8
Q46A	CEJHS Indians,	110.92	54	Pdiff	Pdiff	02 42 34.7	-3.0
X48A	Hartselle	110.94	58	Pdiff	Pdiff	02 42 37.7	-0.2
149A	Jones	111.02	60	Pdiff	Pdiff	02 42 36.7	-1.5
T47A	Sharon Grove	111.03	56	Pdiff	Pdiff	02 42 38.6	+0.4
450A	Crestview	111.05	62	Pdiff	Pdiff	02 42 38.6	+0.2
P46A	Rosedale	111.06	53	Pdiff	Pdiff	02 42 37.5	-0.7
M45A	Boilermakers S	111.07	51	Pdiff	Pdiff	02 42 39.1	+0.8
W48A	Pulaski	111.07	58	Pdiff	Pdiff	02 42 38.3	-0.1
F43A	Flat Rock, Esc	111.16	46	Pdiff	Pdiff	02 42 37.0	-1.5
SF1N	Lafayette	111.17	52	Pdiff	Pdiff	02 42 38.5	-0.2
V48A	Smith Brothers	111.20	57	Pdiff	Pdiff	02 42 38.2	-0.8
E43A	Lone Tree Farm	111.27	46	Pdiff	Pdiff	02 42 38.3	-0.7
Z49A	Columbiana	111.28	60	Pdiff	Pdiff	02 42 38.0	-1.4
350A	Dozier	111.32	62	Pdiff	Pdiff	02 42 40.2	+0.7
250A	Grady	111.42	61	Pdiff	Pdiff	02 42 39.4	-0.6
Y49A	Blount Mountai	111.42	59	Pdiff	Pdiff	02 42 39.6	-0.4
N46A	Monticello						

6d 2h

Table with columns for location, date, time, and various codes. Includes entries like MNK, MALT, IGIN, NACGM, etc.

Table with columns for location, date, time, and various codes. Includes entries like MMAL, AFSR, KIZK, etc.

Table with columns for location, date, time, and various codes. Includes entries like OJC, Ojcow, Cervenia-Dubn, etc.

Table with columns for country codes (e.g., CLL, SMOL, MDVR), names, and various numerical values and codes.

Table with columns for country codes (e.g., LIT, PTL, PTL), names, and various numerical values and codes.

Table with columns for country codes (e.g., PYL, PYL, HGH), names, and various numerical values and codes.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ESTREM, MAIRA, LISBON, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KPRO, KIPOURIO, CEGLE, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like UPM, XOR, XORICHI, etc.

ROM 06 02:44.19.0.2, 44:917N:0:007:10:93E:0:01, h8km, ML2.5/25

CSEM 06 02:44.42.0.0, 7.44:84N:11:31E, h5km, ML2.9, Error ellipse: s-maj=19.4km s-min=8.4km az=137.0

VIE 06 02:44.43.0.0, 44:81N:11:38E, h2km, mb2.5/7, ml2.9/8, Error ellipse: s-maj=10.9km s-min=7.6km az=118.0

ISCJ B 06 02:44.44.0.0, 3.3, 44:92N:0:02:10:98E:0:02, h10km, 2km, Error ellipse: s-maj=3.3km s-min=2.6km az=135.9

LDG 06 02:44.45.7.0, 3.44:89N:11:13E, h2km, ML2.5/8, Error ellipse: s-maj=7.7km s-min=3.9km az=124.0

ISC 06 02:44.44.6.0, 8.44:92N:0:02:10:96E:0:02, h5km, 5km, n96, r142/122, 6C-2D, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NDIM, T0825, T0826, etc.

mb1 4.4/34, mb1mx4.2/54, mbtmp5.2/34, Error ellipse: s-maj=8.9km s-min=7.6km az=139.0 NEIC 06 02:52:24.5-0.1, 17:05:53-178:53W, mb4.6/114, Error ellipse: s-maj=5.0km s-min=3.1km az=139.0 ISC 06 02:52:24.2-0.5, 17:05:53-178:42W, 0.005, h583km, 5km, h584km; pP=5, n523, c1905/534, mb4.7/157, 24C-23D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time h m s, Res h m s, ISC, and numerical values. Includes stations like AFI, AF1, NIUE, DZM, KNTN, NFK, RAR, RAR, OUZ, MXZ, URZ, HIZ, BKZ, SNZO, LHI, THZ, KHZ, MQZ, RPZ, PAE, PPT2, PPT, PPT, TBI, TIAR, TVO, EIDS, EIDS, PMOR, VAH, ARMA, ARMA, MGCD, RMQ, CTA, CTAO, CNB, CAN, YNG, PMG, PMG, MILA, CMSA, MTSU, QLP, COEN, TOO, MOO, TAU, STKA, STKA, STKA, RKT, HTT, JAY, JAY, WRAB, WRA, WRA, AS31, ASAR, ASAR, ASAR, KDU, GUMO, GUMO, MTN, WRKA, KNRA, FAKI, FAKI, FITZ, FITZ, SOEI, SOEI, TWTI, MBWA, MMRI, MEEK, CBJ, NWAO, BLDU.

Table with columns: LUWI, MUN, MORW, SBA, VNSA, VNSA, GIRL, CASY, MJAR, MAJO, KIWB, ASAJ, ASAJ, YULB, NACB, SSLB, QSPA, QSPA, LEM, PETK, PETK, KSRS, KSAR, SNCC, SC12, PKM, USRK, BLG, SMMC, CIS, OSI, ARVC, 109C, MWC, YES, MURC, OFSC, EDWZ, ISA, ISA, MONP, IKP, NJ2, NJ2, AFDM, N02D, MDJ, MDJ, MDJ, PFO, M02C, O03D, L02D, LRMC, SWSC, KDKA, MDPB, CWC, YBH, OLMB, BELC, MPMC, WAKR, GSC, HEC, BEKR, HUMO, BC3, PNTR, M04C, GLA, YERR, GRAC, I03D, GMRC, FURC, IRM, PAHR, NV01, NV01, NVAR, SHOC, TUQJ, NV11.

Table with columns: Y12C, 113A, J04D, LDFC, KVN, I04A, CN2, CN2, TPNV, TPNV, 214A, KLR, NEE2, MOD, PDMCI, G05A, G03D, J05D, SHPR, H04A, WHN, PINE, I05D, R11A, BMN, WVOR, G05D, TUC, TUC, UBPT, LCMT, X16A, CCUT, KNB, PSUT, U15A, SZCU, A04D, GHO, WUAZ, WUAZ, B05A, G08A, DIV, HAWA, X18A, MTPU, E08A, BMO, MSU, MFID, SEY, W18A, W18A, BJT, BJI, BJI, TRF, SKNT, DUG, DUG, 121A, HARP, HARP, F10A, MAW, MAW, BPAW, MCK, ZAIG, HLID, HLID, HLID, TMUT, TMUT, SRAK, SRAK, SRU, NONG, GYA, GYA, GYA, GYA, GYA, MLY, LAZ, NEW, NEW, HWUT, CCB, MNTX.

Table of astronomical observations for station MNTX. Columns include station name, object name, magnitude, position angle, and other parameters.

Table of astronomical observations for station YKA. Columns include station name, object name, magnitude, position angle, and other parameters.

Table of astronomical observations for station MLR. Columns include station name, object name, magnitude, position angle, and other parameters.

ISC/JC 06 02:57.25.0-0.6, 38.72N-0.03-43.70E-0.05, h12km, 4km, Error ellipse = s-maj=6.3km s-min=4.4km az=12.2

Table with columns: Code, Station Name, Delta A, Delta Z, Op, Phase, ID, Time, Res, h, Time, Res, I, S, C. Contains observation data for various stations.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ADCV BITLIS Adilcev, GEVA Gevas, VAN Van, VMUR Van-Muradiye, etc.

ISCJB 06 03:44:38.4 ± 1.39, 0N:0.1 ± 110.8E:0.3, h10km, mb3.6/7, Error ellipse: s-maj=28.8km s-min=15.5km az=164.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SONM Songoing Array, MKAR Makanchi Array, CMAR Chiang Mai Arr, etc.

ISC 06 03:44:40.1 ± 2.39, 0N:1.1 ± 110.7E:0.2, h10km, n8, o=334/8, mb3.7/7, Western Nei Mongol

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arr, ASAR Alice Springs, etc.

ISC 06 03:47:37.1 ± 1.2, 40.14N:113.51E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.3/7, mb1mx3.5/4, Error ellipse: s-maj=42.8km s-min=26.7km az=48.0, Northeastern China

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arr, ASAR Alice Springs, etc.

ISCJB 06 03:53:11.2 ± 0.6, 73.19N:0.06 ± 6.7E:0.3, h12km, mb3.3/4, Error ellipse: s-maj=12.0km s-min=7.9km az=156.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRO Tromso, JMIC Jan Mayen, LOF Lofoten, etc.

ISCJB 06 03:53:12.4 ± 1.1, 73.17N:6.52E, h0km, mb3.4/4, mb1 3.7/8, mb1mx3.3/7, mb1mx3.5/8, ML3.2/4, Error ellipse: s-maj=2.18km s-min=1.67km az=52.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, STEI Steigen, KBS Kingsbay, etc.

ISCJB 06 04:00:02.0 ± 0.9, 73.17N:0.09 ± 6.7E:0.4, h11km, mb3.3/3, Error ellipse: s-maj=15.1km s-min=12.7km az=154.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMIC Jan Mayen, SPITS Spitsbergen Ar, ARCES Arceces Array, etc.

ISCJB 06 04:00:02.6 ± 0.9, 73.22N:0.10 ± 6.7E:0.1, h11km, n8, o=170/8, mb3.3/3, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMIC Jan Mayen, SPITS Spitsbergen Ar, HFS Hagsfros, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDI Kendari, LUWI Luwuk, SANI Sanana, etc.

ISCJB 06 04:16:15.3 ± 0.9, 7.67N:0.05 ± 82.57W:0.04, h16km, 7km, Error ellipse: s-maj=10.1km s-min=3.7km az=32.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TBS2 TBS2, ACR Cerro Adams, ACR San Vito, etc.

CASC 06 04:16:17.9 ± 2.8, 7.84N:82.54W, h15km, 7km, MD4.2, ISC 06 04:16:15.3 ± 3.3, 7.74N:0.10 ± 82.56W:0.05, h8km, 23km, n27, o=1543/46, 7C-2D, South of Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TBS2 TBS2, ACR Cerro Adams, ACR San Vito, etc.

OTT 06 04:38:58.8 ± 2.5, 35.38N:55.34W, h18km, ML3.5/3, Atlantic Ocean. 1234km south from Louisburg, Ns, North Atlantic Ocean

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GBN Guysborough, LMN Caledonia Moun, DRLN Deer Lake, etc.

SJA 06 04:46:24.6 ± 0.7, 31.42S:68.54W, h107km, 5km, ML2.8, MW3.5, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTLL Cerro Villucun, RTCV Cerro Valdivia, AMOG Mogna, etc.

MEX 06 05:17:40.5 ± 0.3, 18.17N:103.31W, h17km, 4km, MD3.7, Near coast of Michoacan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMIG Aquila, R15V R15V, R15V R15V, etc.

CSEM 06 05:17:33.0 ± 0.3, 35.47N:23.36E, h2km, ML4.0, Error ellipse: s-maj=8.1km s-min=3.2km az=40.0

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

ISCJB 06 05:17:34.1 ± 0.9, 35.49N:0.03 ± 23.39E:0.03, h15km, 5km, mb3.7/1.0, Error ellipse: s-maj=5.8km s-min=3.2km az=41.7

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

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

ISCJB 06 05:17:34.1 ± 0.9, 35.49N:0.03 ± 23.39E:0.03, h15km, 5km, mb3.7/1.0, Error ellipse: s-maj=5.8km s-min=3.2km az=41.7

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

ISCJB 06 05:17:34.1 ± 0.9, 35.49N:0.03 ± 23.39E:0.03, h15km, 5km, mb3.7/1.0, Error ellipse: s-maj=5.8km s-min=3.2km az=41.7

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

ISCJB 06 05:17:34.1 ± 0.9, 35.49N:0.03 ± 23.39E:0.03, h15km, 5km, mb3.7/1.0, Error ellipse: s-maj=5.8km s-min=3.2km az=41.7

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

ISCJB 06 05:17:34.1 ± 0.9, 35.49N:0.03 ± 23.39E:0.03, h15km, 5km, mb3.7/1.0, Error ellipse: s-maj=5.8km s-min=3.2km az=41.7

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

ISCJB 06 05:17:34.1 ± 0.9, 35.49N:0.03 ± 23.39E:0.03, h15km, 5km, mb3.7/1.0, Error ellipse: s-maj=5.8km s-min=3.2km az=41.7

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

ISCJB 06 05:17:34.1 ± 0.9, 35.49N:0.03 ± 23.39E:0.03, h15km, 5km, mb3.7/1.0, Error ellipse: s-maj=5.8km s-min=3.2km az=41.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MHLO Agia Marina, MHLO Agia Marina, MHLO Agia Marina, 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 TURNU, DALYAN, FETIYE, etc.

JMA 06 05:20.1-0.3, 40'48N-145'46E, h52km, M3.7, Off east coast of Honshu

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

NEIC 06 05:32:24.8-0.0, 19'47N-96'55W, h17km, MD4.1 (MEX), After MEX, MEX 06 05:32:24.8-0.5, 19'47N-96'55W, h17km, MD4.1, Veracruz

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

NMC 06 05:41:28.7-3.9, 44'34N-82'00E, h0km, mb2.5, mpv2.1, Error ellipse: s-maj=35.3km s-min=15.1km az=125.0

SOME 06 05:41:28.9, 44'32N-83'00E, h20km, ISC 06 05:41:30.5-2.9, 44'33N-0'09.82-9E:0.1, h17km, n7, r142/11, 5C-1D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like DJR, MK31, MK31, etc.

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

ISC/JB 06 06:16:46.4-0.1, 42'56S-0'03-73'86W, 0'07, h33km, mb5.0/191, MS4.5/21, Error ellipse: s-maj=7.3km s-min=4.0km az=167.6

MOS 06 06:16:47.0-1.1, 42'54S:74'00W, h33km, mb5.3/34, Error ellipse: s-maj=14.8km s-min=7.6km az=91.6

NEIC 06 06:16:47.0-0.0, 42'65S:74'02W, h32km, mb5.0/183, M5.1 (GUC), After GUC

NEIC Feil [IV] at Castro, Chonchi, Dalcahue, Puqueldon and Quellon and [III] at Quellon and Quemchi. Also felt at Ancud and Puerto Montt

IDC 06 06:16:47.2-0.4, 42'56S:73'80W, h26km, mb4.5/16, mb1.4/7.16, mb1mx4.4/3.7, mbtmp4.7/16, MS4.2/1, Ms1.4/4.21, ms1mx4.2/3.3, Error ellipse: s-maj=18.4km s-min=11.8km az=85.0

GUC 06 06:16:47.4-0.7, 42'65S:74'02W, h32km, 5km, M5.1, BUI 06 06:16:48.6, 42'60S:74'00W, h32km, mbA.9/7, Ms5.1/7, Ms7.4/8.7

ISC 06 06:16:47.2-0.4, 42'61S:0'03-73'83W, 0'05, h25km, 2km, h25km: p-P, n762, r1921/795, mb5.0/191, MS4.5/21, 6C-5D, Southern Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like GO07, PMCH, PUEL, etc.

PMSA Palmer Station 22.90 169 LR comp=Z, 2.76nm, 18.2s, baz=129, slow=36

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

PTGA Pitinga 43.51 20 P comp=Z, 1.1nm, 0.8s, baz=209, slow=10, SNR=24

CHSA Chingaza 47.01 0 eP comp=Z, 60nm, 1.9s

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

Large table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like ZARC, SDV, RKT, etc.

N59A	State Game Lan	83.16 359	P	P	06 29 10.6	0.0
N59A	State Game Lan	83.16 359	eP	P	06 29 10.2	-0.5
P42A	Winchester	83.17 347	P	P	06 29 09.6	-1.2
P42A	Winchester	83.17 347	eP	P	06 29 09.5	-1.2
O47A	Sheridan	83.22 351	P	P	06 29 09.2	-1.7
PAL4	Palisades	83.23 360	P	P	06 29 10.4	-0.6
Q37A	Longview Farm,	83.24 344	P	P	06 29 10.0	-1.1
N54A	Moraine State	83.37 355	P	P	06 29 11.1	-0.7
P41A	Barry, Barry	83.38 347	P	P	06 29 10.7	-1.0
P40A	Paris	83.41 346	P	P	06 29 11.3	-0.7
P40A	Paris	83.41 346	eP	P	06 29 11.4	-0.5
N50A	Nevada	83.42 353	P	P	06 29 11.0	-1.0
O45A	Potomac	83.43 349	P	P	06 29 10.5	-1.5
O44A	Mansfield	83.44 349	P	P	06 29 10.8	-1.3
SFIN	Lafayette	83.47 350	eP	P	06 29 10.4	-1.8
SFIN	Lafayette	83.47 350	eP	P	06 29 09.8	-2.4
113A	Mohawk Valley,	83.48 327	eP	P	06 29 11.2	-1.2
P39B	Salisbury	83.50 345	P	P	06 29 11.3	-1.0
X18A	Snowflake	83.58 331	eP	P	06 29 13.1	-0.1
O43A	Sugar Creek Fa	83.69 348	P	P	06 29 12.3	-1.1
O41A	Passleys Farm,	83.78 347	P	P	06 29 12.5	-1.3
P38A	Dawn	83.78 345	P	P	06 29 12.9	-0.9
P38A	Dawn	83.78 345	eP	P	06 29 12.8	-1.0
M54A	Oil Creek Stat	83.90 356	eP	P	06 29 13.4	-1.0
M54A	Oil Creek Stat	83.90 356	eP	P	06 29 13.3	-1.1
P37A	Lathrop	83.91 344	P	P	06 29 13.1	-1.4
KSU1	Kansas State U	83.92 342	P	P	06 29 13.6	-0.9
KSU1	Kansas State U	83.92 342	eP	P	06 29 13.5	-1.1
N46A	Monticello	83.94 350	P	P	06 29 12.7	-1.9
O40A	La Belle	83.95 346	P	P	06 29 13.6	-1.1
HD1L	Hopedale	83.96 348	P	P	06 29 13.6	-1.1
HD1L	Hopedale	83.96 348	eP	P	06 29 13.8	-0.9
N45A	Kentland	83.99 350	P	P	06 29 13.5	-1.4
N44A	Piper City	84.02 349	P	P	06 29 13.7	-1.3
X16A	Lo Mia Camp, P	84.03 330	eP	P	06 29 15.4	-0.1
ALLY	Alegheny Colle	84.07 355	eP	P	06 29 14.5	-0.8
T25A	Trinidad	84.12 336	eP	P	06 29 16.2	+0.3
T25A	Trinidad	84.12 336	eP	P	06 29 15.9	0.0
O39A	Kirkville	84.20 346	P	P	06 29 15.2	-0.8
Y14A	Wickenburg	84.21 328	eP	P	06 29 16.1	-0.1
O38A	Galt	84.25 345	P	P	06 29 15.2	-1.0
N43A	Stutzman Famil	84.31 348	P	P	06 29 15.4	-1.1
N41A	Harden Midland	84.35 347	P	P	06 29 15.3	-1.4
N41A	Harden Midland	84.35 347	eP	P	06 29 15.6	-1.1
CB7A	Cedar Bluff	84.39 340	P	P	06 29 16.5	-0.5
O37A	Wolven Farm, M	84.42 344	P	P	06 29 16.0	-1.1
BINY	Binghamton	84.44 358	P	P	06 29 16.8	-0.4
ERPA	Erie	84.52 355	P	P	06 29 16.5	-1.0
M44A	Midewin, Midew	84.59 349	P	P	06 29 16.6	-1.3
M44A	Midewin, Midew	84.59 349	eP	P	06 29 17.0	-0.9
Y12C	Blythe	84.64 327	eP	P	06 29 19.2	+0.9
N40A	Mertquake, Sal	84.65 347	P	P	06 29 17.1	-1.1
M43A	Waltham Townsh	84.77 349	P	P	06 29 17.3	-1.5
N39A	Derby Farms, D	84.80 346	P	P	06 29 18.2	-0.8
N39A	Derby Farms, D	84.80 346	eP	P	06 29 18.1	-0.9
N38A	Joes South For	84.85 345	P	P	06 29 18.3	-0.9
M42A	Sheffield	84.91 348	P	P	06 29 18.0	-1.4
BC3	Big Chuckawall	84.94 326	P	P	06 29 20.0	0.0
M41A	Milan	84.95 347	P	P	06 29 18.2	-1.5
WUAZ	Wupatki	84.99 330	eP	P	06 29 20.1	-0.2
N37A	Lee Faris, Mou	85.01 345	P	P	06 29 19.0	-1.1
N37A	Lee Faris, Mou	85.01 345	eP	P	06 29 19.1	-0.9
SDCO	Great Sand Dun	85.02 335	P	P	06 29 20.1	-0.5
SDCO	Great Sand Dun	85.02 335	eP	P	06 29 19.4	-1.1
MMNY	Mt. Morris Dam	85.03 357	eP	P	06 29 19.5	-0.6
M40A	Post Highland	85.14 347	P	P	06 29 19.3	-1.4
N36A	Muff Farm, Cla	85.21 344	P	P	06 29 19.9	-1.2
IRM	Iron Mountain	85.25 327	P	P	06 29 21.7	+0.2
XPFO	Pleaton Flat	85.31 325	eP	P	06 29 20.4	-1.5
PFO	Pinyon Flats O	85.32 325	P	P	06 29 22.0	0.0
PFO	Pinyon Flats O	85.32 325	eP	P	06 29 20.7	-1.2
PFO	Pinyon Flats O	85.32 325	eP	Pmax	06 29 20.7	-1.2
M39A	Webster	85.33 346	P	P	06 29 20.6	-1.0
L42A	Oliver, Polo	85.43 348	P	P	06 29 21.0	-1.1
S22A	4UR Ranch, Cre	85.43 334	P	P	06 29 22.7	+0.1
S22A	4UR Ranch, Cre	85.43 334	eP	P	06 29 22.4	-0.3
M38A	Pleasantville	85.45 346	P	P	06 29 21.4	-0.8
BELC	Belle Mtn. Jos	85.46 326	P	P	06 29 22.6	-0.1
MVCO	Mesa Verde	85.49 333	P	P	06 29 22.9	0.0
MVCO	Mesa Verde	85.49 333	eP	P	06 29 21.3	-1.6
W13A	Hualapai Mount	85.57 328	eP	P	06 29 23.4	+0.2
M37A	Trindle Farm,	85.60 345	P	P	06 29 22.3	-0.7
L41A	Preston	85.63 348	P	P	06 29 21.8	-1.3
L40A	Anamosa	85.73 347	P	P	06 29 22.4	-1.2

L40A	Anamosa	85.73 347	eP	P	06 29 22.4	-1.2
M36A	Felix, Anita	85.79 344	P	P	06 29 22.7	-1.3
L39A	Vinton	85.92 347	P	P	06 29 23.4	-1.2
K43A	Burlington	85.92 349	P	P	06 29 23.4	-1.2
SCIA	State Center	85.93 346	P	P	06 29 23.6	-1.0
SCIA	State Center	85.93 346	eP	P	06 29 24.1	-0.5
CIS	Catana Islan	85.97 324	P	P	06 29 24.6	-0.4
GMRC	Granite Mounta	86.00 327	P	P	06 29 25.1	-0.2
Q24A	Divide	86.03 336	P	P	06 29 25.2	-0.3
Q24A	Divide	86.03 336	eP	P	06 29 25.3	-0.3
L38A	Oak Wood Farm,	86.11 346	P	P	06 29 24.5	-1.0
K41A	Shullsburg	86.12 348	P	P	06 29 24.4	-1.1
U15A	North Rim	86.13 330	eP	P	06 29 26.4	+0.2
K42A	Prairie Point,	86.14 349	P	P	06 29 24.6	-1.0
L37A	Phoenix Point,	86.24 345	P	P	06 29 25.1	-1.0
K40A	Colesburg	86.34 347	P	P	06 29 25.5	-1.1
PV01	Paradox Valley	86.35 333	eP	P	06 29 27.1	0.0
BFSC	Mount Aldy Ra	86.36 325	P	P	06 29 25.7	-1.4
L36A	Harm Buss Farm	86.39 345	P	P	06 29 25.8	-1.0
JFWS	Jewell Farm	86.41 348	P	P	06 29 26.1	-0.8
JFWS	Jewell Farm	86.41 348	eP	P	06 29 26.0	-0.9
JFWS	Jewell Farm	86.41 348	eP	Pmax	06 29 26.0	-0.9
AFI	Afiamalau	86.45 254	LR	07 00 46.9		
BGNE	Belgrade	86.47 342	P	P	06 29 26.5	-0.8
BGNE	Belgrade	86.47 342	eP	P	06 29 27.0	-0.3
K39A	Oelwein	86.47 347	P	P	06 29 26.0	-1.3
LBNH	Lisbon	86.48 1	P	P	06 29 26.7	-0.5
PV03	Paradox Valley	86.45 333	eP	P	06 29 27.1	-1.0
K38A	Parkeersburg	86.57 346	P	P	06 29 26.4	-1.3
J43A	Natural Harves	86.60 349	P	P	06 29 26.7	-1.1
J42A	Columbus	86.64 349	P	P	06 29 27.0	-1.1
PV04	Paradox Valley	86.70 333	eP	P	06 29 28.4	-0.3
SMCO	Snowmass	86.79 335	eP	P	06 29 29.0	-0.4
J41A	Loganville	86.81 348	P	P	06 29 28.0	-1.0
K37A	Belmond	86.84 346	P	P	06 29 27.9	-1.1
LONY	Lake Ozonia	86.84 359	eP	P	06 29 28.6	-0.4
LONY	Lake Ozonia	86.84 359	eP	P	06 29 28.4	-0.6
KNB	Kant	86.85 330	eP	P	06 29 29.9	+0.4
K36A	Gilmore City	86.87 345	P	P	06 29 28.7	-0.5
PV09	Paradox Valley	86.87 333	eP	P	06 29 29.6	-0.2
GSC	Goldstone, Bar	86.92 326	eP	P	06 29 30.2	+0.5
GSC	Goldstone, Bar	86.92 326	eP	P	06 29 29.7	-0.3
ISCO	Idaho Springs	86.94 336	eP	P	06 29 29.7	-0.3
ISCO	Idaho Springs	86.94 336	eP	Pmax	06 29 29.7	-0.3
ISCO	Idaho Springs	86.94 336	eP	Pmax	06 29 28.7	-1.0
J40A	Soldiers Grove	86.96 348	P	P	06 29 29.8	-0.4
LCMT	Littl Creek M	87.01 329	eP	P	06 29 29.8	-0.4
J39A	Decorah	87.05 347	P	P	06 29 29.0	-1.1
EDW2	Edwards Air Fo	87.05 325	P	P	06 29 30.4	0.0
H43A	Langenfeld Bro	87.16 350	P	P	06 29 29.0	-1.1
J38A	Weedel Dairy, R	87.17 346	P	P	06 29 29.4	-1.2
H42A	Draeger Farm,	87.17 349	P	P	06 29 29.7	-0.9
H42A	Draeger Farm,	87.17 349	eP	P	06 29 29.7	-0.9
SHPR	Cheep Range	87.30 328	eP	P	06 29 31.1	-0.5
PLVO	Plevna	87.31 358	eP	P	06 29 30.7	-0.6
J37A	Redens Farm,	87.35 346	P	P	06 29 30.7	-0.8
H40A	Norwalk	87.42 348	P	P	06 29 30.8	-1.1
SCZU	Shurtz Canyon	87.46 330	eP	P	06 29 32.0	-0.5
141A	Arkdale	87.47 348	P	P	06 29 30.8	-1.3
I41A	Arkdale	87.47 348	eP	P	06 29 31.5	-0.6
J36A	Seneca 1, Swea	87.51 345	P	P	06 29 31.7	-0.6
J36A	Seneca 1, Swea	87.51 345	eP	P	06 29 31.9	-0.4
CCUT	Cedar City	87.53 330	eP	P	06 29 33.4	+0.6
MTPU	Mount Pierson	87.53 331	eP	P	06 29 31.2	-1.8
I39A	Houston	87.53 347	P	P	06 29 31.4	-1.0
I39A	Houston	87.53 347	eP	P	06 29 31.4	-1.0
H43A	Windswept, Lux	87.59 350	P	P	06 29 31.9	-0.7
H43A	Windswept, Lux	87.59 350	eP	P	06 29 31.7	-0.9
H42A	Shiocton	87.72 350	P	P	06 29 32.4	-0.9
H42A	Shiocton	87.72 350	eP	P	06 29 32.4	-0.9
I38A	Scanlan Farm,	87.84 347	P	P	06 29 32.9	-1.0
MPMC	Manuel Prospec	87.85 326	P	P	06 29 34.2	-0.2
SRU	San Rafael Swe	87.89 332	eP	P	06 29 33.5	-1.0
SRU	San Rafael Swe	87.89 332	eP	Pmax	06 29 33.5	-1.0
ISA	Isabella, Lake	87.92 325	eP	P	06 29 34.9	+0.3
ISA	Isabella, Lake	87.92 325	eP	Pmax	06 29 34.9	+0.3
MSU	Marysvalde	87.94 331	eP	P	06 29 35.6	+0.9
MSU	Marysvalde	87.94 331	eP	P	06 29 35.7	+0.9
H41A	Junction City	87.99 349	P	P	06 29 33.5	-1.0
H41A	Junction City	87.99 349	eP	P	06 29 33.8	-0.8
I37A	Lemond, Waseca	88.00 346	P	P	06 29 34.1	-0.6
I37A	Lemond, Waseca	88.00 346	eP	P	06 29 34.0	-0.6
O20A	White River Ci	88.06 334	P	P	06 29 34.9	-0.4

O20A	White River Ci	88.06 334	eP	P	06 29 34.8	-0.4
DAC	Darwin (1nm), 0.9s	88.08 326	eP	P	06 29 36.0	+0.6
DAC	Darwin (1nm), 1.0s	88.08 326	eP	Pmax	06 29 36.1	+0.6
DAC	Darwin (1nm), 1.0s	88.08 326	eP	Pmax	06 29 36.1	+0.6
H40A	Chili	88.10 348	P	P	06 29 34.1	-1.0
TPNV	Topsh Spring	88.12 327	P	P	06 29 35.5	-0.1
TPNV	Topsh Spring	88.12 327	eP	P	06 29 36.2	+0.6
TPNV	Topsh Spring	88.12 327	eP	Pmax	06 29 36.2	+0.6
I36A	Fitzsimmons Fa	88.12 346	P	P	06 29 34.3	-0.9
P18A	Butcher Ranch,	88.26 333	eP	P	06 29 35.8	-0.6
P17A	Butcher Ranch,	88.29 332	eP	P	06 29 36.6	+0.3
H39A						

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PVO Paravola, VLS Valsamata, SMG Samos, etc.

ISCJB 06 08:55:02.6:1.0, 107.82N:09.69:20W:0.05, h12km, mb3.3/3, Error ellipse: s-maj=13.2km s-min=6.7km az=160.5

IDC 06 08:55:02.6:1.1, 107.78N:69.14W, h0km, mb3.3/3, mb1 3.6/6, mb1mx3.4/5.1, mbtmp3.5/6, ML2.7/3, Error ellipse: s-maj=27.3km s-min=20.1km az=159.0

ISC 06 08:55:04.5:1.0, 10.78N:01.69:22W:0.07, h12km, n11, c082/14, mb3.5/3, Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, CODC Agut'in Codaz, etc.

MEX 06 09:01:21.3:1.2, 17.43N:94.81W, h146km, g9km, MD3.8, Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, TUIG Tuzandepetl, etc.

IDC 06 09:04:13.3:5.0, 20.39N:124.70E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.3/6.7, mbtmp3.5/3, Error ellipse: s-maj=334.6km s-min=27.6km az=62.0

JMA 06 09:03:17.1:0.2, 24.81N:122.88E, h33km, n4km, M2.0, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYNG Yonagunijimaku, YOI Yonaguni jima, etc.

MEX 06 09:09:00.3:0.5, 15.13N:93.14W, h72km, 7km, MD3.8, Near coast of Chiapas

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

DDA 06 09:16:15.0, 37.21N:28.18E, h7km, ML2.3, Suspected Mining explosion.

ISCJB 06 09:16:15.0:5.3, 37.22N:01.03:28E:0.03, h0km, Error ellipse: s-maj=3.0km s-min=3.3km az=31.0

CSEM 06 09:16:15.0:3.3, 37.23N:28.20E, h1km, ML1.9, Error ellipse: s-maj=6.4km s-min=4.2km az=36.0, Suspected Mining explosion.

ISK 06 09:16:15.4, 37.21N:28.18E, h5km, ML1.9/7

ISC 06 09:16:15.6:0.9, 37.21N:0.03:28.19E:0.02, h0km, n25, c074/35, Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TURN Turunc, AYDN Tasyolk, DALY Dalayan, etc.

IDC 06 09:52:14.9:1.5, 16.40S:178.58W, h0km, mb4.0/6, mb1 4.3/6, mb1mx3.8/4.6, mbtmp4.0/6, Error ellipse: s-maj=130.5km s-min=22.3km az=154.0, Fiji Islands region

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.

MAN 06 10:01:01.0, 18.91N:121.27E, h13km, mb4.3, ML3.1, MS2.9, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SGCP Mt. Cagua, APVP Conner, CVP Caliao Caves, etc.

MAN 06 10:17:57.6, 11.27N:125.67E, h3km, mb4.1, ML2.9, MS2.6, ID, Samar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BESP Borongan, BLP Palo, MSLP Maasin, etc.

MEX 06 10:25:06.7:0.4, 19.32N:104.67W, h16km, 5km, MD3.7, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CJM Chamela, R15V Mina Array Bea, EZSV Ezsiv, etc.

CSEM 06 10:41:17.9:0.3, 37.28N:41.84E, h2km, ML2.3, Error ellipse: s-maj=9.0km s-min=5.2km az=19.0

ISN 06 10:41:20.8:0.3, 37.16N:42.17E, h0km, ML2.5

ISK 06 10:41:17.8, 37.37N:41.81E, h5km, ML2.3/8, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIRT Sirnak, SVAN Silvan-Diyarba, MAZI Mazidag, etc.

ISCJB 06 10:53:18.3:0.5, 32.17N:01.05:138.27E:0.08, h396km, mb3.1/4, Error ellipse: s-maj=9.4km s-min=6.2km az=153.3

JMA 06 10:53:18.2:0.4, 32.10N:138.19E, h396km, M3.3

IDC 06 10:53:21.2:1.2, 32.11N:137.97E:0.365km, M3.3, mb1 3.1/6, mb1mx2.7/6.2, mbtmp3.7/6, Error ellipse: s-maj=70.4km s-min=14.8km az=73.0

ISC 06 10:53:18.3:1.1, 32.09N:01.07:138.26E:0.08, h396km, n26, c182/29, mb3.1/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHJ Hachijo jima, JH2 Mitsune, etc.

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

MAN 06 11:17:33.6, 11.07N:124.63E, h58km, mb3.6, ML2.3, MS1.7, ID, Leyte

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OCLP Ormoc, PLP Palo, CNP Catarman, etc.

THR 06 11:19:00.5:0.4, 26.63N:62.41E, h14km, 5km, ML3.7

CSEM 06 11:19:04.5:0.7, 25.85N:62.46E, h10km, ML3.9, Error ellipse: s-maj=12.4km s-min=10.3km az=66.0

OMAN 06 11:19:06.0:1.8, 25.93N:62.52E, h26km, 48km, Error ellipse: s-maj=37.6km s-min=7.4km az=66.0

DSN 06 11:19:09.5:1.7, 26.04N:62.00E, h5km, ML3.9/8, Error ellipse: s-maj=48.9km s-min=14.8km az=173.0

ISC 06 11:19:00.6:2.5, 26.07N:01.06:62.8E:0.1, h35km, n44, c207/65, Southwestern Pakistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHBR Chabahar, ZHFS Zahedan, WSAR Wadi Sarin, etc.

MEX 06 10:25:06.7:0.4, 19.32N:104.67W, h16km, 5km, MD3.7, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOQ Hoqain, HOQ Hoqain, JMDO Jabal Madar, etc.

MEX 06 10:25:06.7:0.4, 19.32N:104.67W, h16km, 5km, MD3.7, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIRT Sirnak, SVAN Silvan-Diyarba, MAZI Mazidag, etc.

ISC 06 11:20:45.8:2.7, 54.12N:86.35E, h0km, mb1 2.7/2, mb1mx2.7/7.1, mbtmp2.7/2, ML2.3/2, Error ellipse: s-maj=21.3km s-min=13.4km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU Zalesovo INFRA, ZALV Zalesovo Beam, ZALV Zalesovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WOSS, Barry Inlet, NCRB, GDR, etc.

MEX 06 15:19:32.0, 6.14, 20'N, 93.40'W, h16km, 96km, MD3.8, Near coast of Chiapas

IDC 06 15:30:19.1±16.0, 8.72S, 129.59E, h250km, 205km, mb3.2/1, mb1 3.0/3, mb1mx2.7/48, mbtm3p6/3, Error ellipse: s-maj=127.5km s-min=97.5km az=87.0, Timor Sea

WEL 06 15:34:05.5, 47'S, 21°16'E, h5km, ML3.5/8, Off west coast of South Island

ISCJB 06 15:50:40.0, 0.7, 38°19'N, 0°04.38'E, h2km, 7km, Error ellipse: s-maj=9.7km s-min=6.4km az=168.6

IDC 06 16:01:20.4±1.2, 32°21'N, 141°54'E, h0km, mb3.7/7, mb1 3.8/9, mb1mx3.5/71, mbtm3p.7/9, ML3.4/3, MS2.6/2, Ms1 2.6/2, ms1mx2.2/66, Error ellipse: s-maj=40.6km s-min=15.3km az=63.0

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

ISCN 06 16:10:48.5±0.5, 35°72'N, 43°38'E, h5km, 11km, ML2.6 CSEM 06 16:10:51.6±0.4, 35°62'N, 43°29'E, h2km, ML2.6, Error ellipse: s-maj=12.0km s-min=8.4km az=67.0

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

ISCJB 06 16:11:47.0±0.6, 43°86'N, 0°04.105'W, h0km, Error ellipse: s-maj=5.6km s-min=4.7km az=157.0

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

DJA 06 16:33:28.7±1.6, 6°S, 6°10'E, h34km, 26km, M3.5/5, ML3.5/5, Southwest of Sumatra

IDC 06 16:40:18.8±1.6, 15°91'S, 172°95'W, h0km, mb4.1/8, mb1 4.3/8, mb1mx3.9/55, mbtm3p.4/8, MS3.4/3, Ms1 3.4/3, ms1mx3.1/51, Error ellipse: s-maj=96.1km s-min=19.8km az=147.0

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

ISCN 06 16:41:40.6±0.3, 37°16'N, 43°75'E, h0km, ML2.8 CSEM 06 16:41:42.9±0.6, 37°24'N, 42°60'E, h2km, ML2.5, Error ellipse: s-maj=20.5km s-min=9.3km az=33.0

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

ISCJB 06 16:55:47.8±0.7, 41°08'N, 0°04.397'E, h12km, 4km, Error ellipse: s-maj=7.4km s-min=3.5km az=158.9

ISC 06 16:55:48.6±1.0, 41°04'N, 0°04.397'E, h2km, 4km, n28, 40°79'46, Turkey

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

MAN 06 16:56:34.6, 18°47'N, 120°32'E, h1km, mb4.4, ML3.3, MS3.0, zozon

6d 17h

2012 JUL

Table with columns: STA, Name, Az, El, P, Res, and various station identifiers. Includes stations like SONGO, YAK, KDAK, etc.

Table with columns: STA, Name, Az, El, P, Res, and various station identifiers. Includes stations like INK, SHPR, R11A, etc.

Table with columns: STA, Name, Az, El, P, Res, and various station identifiers. Includes stations like ESD, SOWS, B202, etc.

LDFC	Landfair	12.74 127	ePn	Pn	17 53 32.5 +3.5
DEVC	Devers	12.79 135	ePn	Pn	17 53 31.0 +1.5
MTPU	Mount Pierson	12.82 110	ePn	Pn	17 53 36.0 +5.7
GMJT	Greycliff	12.91 74	ePn	Pn	17 53 31.9 +0.6
TG07	Trail Mountain	12.93 103	ePn	Pn	17 53 33.0 +1.2
K3B	Kanal	12.93 103	ePn	Pn	17 53 33.0 +1.2
PKCU	Pink Cliffs	13.04 112	ePn	Pn	17 53 38.5 +5.2
DNR	Dunn Ranch,Anz	13.05 136	ePn	Pn	17 53 32.6 -0.6
PFO	Pinyon Flats O	13.10 135	ePn	Pn	17 53 33.8 -0.2
XPFO	Piacon Flat	13.10 135	ePn	Pn	17 53 35.9 +1.9
BW06	Boulder Array	13.13 87	ePn	Pn	17 53 35.9 +1.2
PS31	Pinedale Array	13.13 87	ePn	Pn	17 53 35.9 +1.2
PDAR	Pinedale Array	13.13 87	ePn	Pn	17 53 35.5 +1.1
PDAR	comp=Z,627nm,18.2s,baz=282,slow=39		LR	LR	17 58 59.1
PDAR	Pinedale Array	13.13 87	ePn	Pn	17 53 35.0 +0.5
RLMT	Red Lodge	13.16 77	ePn	Pn	17 53 35.3 +0.5
EGMT	Eagleton	13.19 64	ePn	Pn	17 53 33.5 -1.5
P17A	Butcher Ranch,	13.19 102	ePn	Pn	17 53 35.8 +0.6
WRAK	Wrangell Islan	13.31 348	ePn	Pn	17 53 36.3 -0.1
W13A	Hualapai Mount	13.45 124	ePn	Pn	17 53 41.6 +2.7
P18A	Preston Nutter	13.48 101	ePn	Pn	17 53 39.8 +0.5
ERL	El Monte City P	13.49 138	ePn	Pn	17 53 41.0 +2.0
SML	San Rafael Swe	13.49 103	ePn	Pn	17 53 39.7 +0.4
U15A	North Rim	13.62 116	ePn	Pn	17 53 44.3 +3.1
DAF	Barrett	13.74 138	ePn	Pn	17 53 45.0 +2.5
W12C	Blythe	13.79 102	ePn	Pn	17 53 42.9 +0.9
GLA	Glamis	14.39 132	ePn	Pn	17 53 52.8 +1.3
PV09	Paradox Valley	14.73 104	ePn	Pn	17 53 57.6 +1.2
Q20A	White River Ci	14.75 97	ePn	Pn	17 53 55.8 -0.7
WUAZ	Wupatki	14.78 117	ePn	Pn	17 53 59.6 +2.9
W14A	Wickenburg	14.78 125	ePn	Pn	17 53 59.3 +2.5
PV21	Cone Mtn., Par	14.82 103	ePn	Pn	17 53 58.8 +1.3
PV23	Paradox Ridge	14.84 104	ePn	Pn	17 53 58.1 +0.3
PV10	Paradox Valley	14.85 104	ePn	Pn	17 53 58.0 0.0
PV14	Lion Creek, Pa	14.87 104	ePn	Pn	17 53 59.4 +1.3
PV20	West Nyswonger	14.92 104	ePn	Pn	17 53 59.6 +0.8
PV02	Mountain Glory	14.94 104	ePn	Pn	17 53 60.1 +1.1
PV04	Paradox Valley	14.94 104	ePn	Pn	17 54 00.6 +1.5
PV05	Paradox Valley	14.94 105	ePn	Pn	17 54 00.7 +1.5
PV17	East Wray Mesa	14.95 104	ePn	Pn	17 54 00.6 +1.4
PV22	Blue Mesa, Par	14.96 103	ePn	Pn	17 54 00.3 +0.9
PV16	Nyswonger Mesa	14.97 104	ePn	Pn	17 54 00.6 +1.4
PV18	Skein Mesa, Pa	15.00 104	ePn	Pn	17 54 01.0 +1.4
PV11	David Mesa, Pa	15.00 104	ePn	Pn	17 54 00.2 +0.3
PV03	Paradox Valley	15.00 104	ePn	Pn	17 54 00.5 0.0
PV12	Sauce Basin,	15.05 104	ePn	Pn	17 54 00.1 -0.4
DLBC	Dease Lake	15.05 355	Pn	Pn	17 53 60.0 -0.3
DLBC	comp=Z,598nm,18.2s,baz=324,slow=36		LR	LR	17 59 07.6
DLBC	Dease Lake	15.05 355	ePn	Pn	17 53 59.4 -0.9
RWWY	Rawlins	15.05 90	ePn	Pn	17 53 58.5 -2.2
PV07	Paradox Valley	15.10 103	ePn	Pn	17 54 01.0 0.0
PV13	Radium Mtn., P	15.10 104	ePn	Pn	17 54 00.9 -0.4
PV02	Paradox Valley	15.14 104	ePn	Pn	17 54 01.6 -0.2
113A	Mohawk Valley,	15.19 130	ePn	Pn	17 54 05.1 -2.1
PV15	Paradox Valley	15.26 103	ePn	Pn	17 54 02.6 -0.8
PV01	Paradox Valley	15.29 104	ePn	Pn	17 54 03.8 0.0
K22A	Casper	15.35 86	ePn	Pn	17 54 03.9 -0.6
LAO	LASA Array	15.36 71	ePn	Pn	17 54 03.6 -0.8
JIS	Juneau Island	15.41 346	ePn	Pn	17 54 04.5 -0.4
X16A	Lo Mia Camp, P	15.41 121	ePn	Pn	17 54 07.5 +2.1
MVCO	Mesa Verde,	15.47 107	ePn	Pn	17 54 11.7 +1.6
BESE	Bessie Mountai	15.72 346	ePn	Pn	17 54 09.7 -0.2
SMCO	Snowmass	16.00 99	ePn	Pn	17 54 13.1 0.0
W18A	Petrified Fore	16.07 115	ePn	Pn	17 54 16.1 -1.1
X18A	Great Sand Dun	16.29 117	ePn	Pn	17 54 17.7 +1.1
PHWY	Pilot Hill	16.43 90	ePn	Pn	17 54 16.4 -2.0
S22A	4UR Ranch, Cre	16.70 103	ePn	Pn	17 54 22.4 +0.5
SKAG	Skagway	16.70 346	ePn	Pn	17 54 21.6 +0.2
ISCO	Idaho Springs	16.76 95	ePn	Pn	17 54 21.9 -0.8
DGMT	Dagmar	16.92 65	ePn	Pn	17 54 22.8 -1.7
RSSD	Black Hills	16.94 80	ePn	Pn	17 54 25.1 +0.2
TUC	Tucson	17.25 125	ePn	Pn	17 54 30.8 +0.7
Q24A	Divide	17.40 97	ePn	Pn	17 54 31.1 +0.3
SDCO	Great Sand Dun	17.64 102	ePn	Pn	17 54 34.3 +0.5
YKU2	Yakutat	17.69 339	ePn	Pn	17 54 33.3 -0.5
LAZ	Ladron	18.22 113	ePn	Pn	17 54 43.7 +2.8
ANMO	Albuquerque	18.37 111	ePn	Pn	17 54 43.2 +0.6
ANMO	comp=Z,142nm,20.5s,baz=298,slow=36		LR	LR	18 01 28.8
ANMO	Albuquerque	18.37 111	ePn	Pn	17 54 44.0 +1.4
LENM	Lemitar	18.47 113	ePn	Pn	17 54 46.9 +3.0
Y22D	IRIS PASCAL I	18.56 114	ePn	Pn	17 54 47.7 +2.8
LPM	Los Pinos Moun	18.61 112	ePn	Pn	17 54 47.9 +2.3
T25A	Trinidad	18.69 102	ePn	Pn	17 54 47.8 +1.3
BNN	Barren Site	18.71 113	ePn	Pn	17 54 49.1 +2.3
319A	Douglas	18.81 124	ePn	Pn	17 54 50.0 +2.1
OGNE	Ogallala	19.01 89	ePn	Pn	17 54 48.0 -1.5
KSCO	Kaye Shedlock	19.20 95	ePn	Pn	17 54 53.3 +0.7
HSIG	14nm,1.2s	19.61 132	ePn	Pn	17 54 58.5 +1.1
CRQM	Cirque	19.68 337	ePn	Pn	17 54 56.4 -0.4
BALM	Baldy	19.69 338	ePn	Pn	17 54 56.7 -0.1
RAGM	Ragged Mountai	19.85 334	ePn	Pn	17 54 59.8 -0.3
MDND	Madcock	19.92 68	ePn	Pn	17 54 59.8 +0.5
FFC	Flin Flon	20.01 47	ePn	Pn	17 55 00.5 +0.2
EPT	El Paso	20.27 118	ePn	Pn	17 55 06.0 +0.7
BMRM	Bremner River	20.28 336	ePn	Pn	17 55 02.9 -0.3
EYAK	Cordova Ski Ar	20.32 334	ePn	Pn	17 55 05.9 +0.4
SRIG	Santa Rosalia	20.32 138	ePn	Pn	17 55 06.0 +0.2
YKA	Yellowknife Ar	20.48 17	P	P	17 55 04.6 -0.6
YKA	comp=Z,7.7nm,21.1s,baz=210,slow=34		LR	LR	18 02 04.6
YKW3	Yellowknife Ar	20.54 17	ePn	Pn	17 55 06.6 +0.7
DIV	Divide	20.77 335	ePn	Pn	17 55 09.2 +0.7
MNTX	Cornudas Mount	21.14 117	ePn	Pn	17 55 13.5 +1.8
KLU	Klutina	21.09 335	ePn	Pn	17 55 12.5 +0.5
KDAK	Kodiak Island	21.22 321	ePn	Pn	17 55 13.4 +0.2
KDAK	comp=Z,516nm,21.5s,baz=119,slow=31		LR	LR	18 01 17.5
KDAK	Kodiak Island	21.22 321	ePn	Pn	17 55 13.0 -0.3
CPRX	Cap Rock	21.23 112	ePn	Pn	17 55 18.6 +4.8
OHAK	Old Harbor	21.26 319	ePn	Pn	17 55 12.6 -1.2

CBKS	94nm,1.8s	21.37 93	eP	P	17 55 14.3 -0.8
GDL2	Cedar Bluff	21.37 93	eP	P	17 55 14.3 -0.8
MDL2	26nm,1.0s				
IMSTX	Gaundale Moun	21.40 114	eP	P	17 55 17.5 +1.9
G32A	Muleshoe	21.44 108	eP	P	17 55 16.2 +0.3
G32A	28nm,1.4s				
W32A	Webster	21.46 75	eP	P	17 55 18.2 +2.1
HARP	120nm,0.9s				
HAARP	HAARP	21.59 337	eP	P	17 55 18.6 +1.4
CNMP	China Post	21.63 326	eP	P	17 55 17.0 -0.7
BRLK	Bradley Lake	21.63 327	eP	P	17 55 17.8 +0.1
DAWY	Dawson	21.70 346	eP	P	17 55 17.7 -0.8
BGNE	Belgrade	21.71 85	eP	P	17 55 18.5 -0.2
AMT	Amellio	21.71 105	eP	P	17 55 20.3 +1.4
SCM	Sher Creek Mo	21.79 334	eP	P	17 55 20.4 +0.9
RC01	65nm,1.4s				
Rabbit Creek A	Rabbit Creek A	22.07 331	eP	P	17 55 22.4 0.0
SML	Sawmill	22.09 333	eP	P	17 55 22.9 +0.2
SML	1.8s,1.8s				
PAX	Paxson	22.13 338	eP	P	17 55 23.1 0.0
PMR	Palmer	22.20 332	eP	P	17 55 22.9 -0.9
GHO	50nm,1.8s				
GH0	Glory Hole Cre	22.26 333	eP	P	17 55 24.3 -0.3
ECSO	EROS Data Cent	22.30 79	eP	P	17 55 24.8 -0.3
AGMM	Agassiz Nation	22.44 67	eP	P	17 55 25.7 -0.8
ULM	Lac du Bonnet	22.53 61	P	P	17 55 26.8 -0.7
ULM	9.7nm,0.9s,baz=268,slow=11,SNR=10		LR	LR	18 04 27.7
ULM	comp=Z,446nm,20.6s,baz=257,slow=38		LR	LR	17 55 26.3 -1.1
ULM	Rabbit Creek M	22.53 61	eP	P	17 55 26.3 -1.1
EGAK	Eagle	22.68 345	eP	P	17 55 28.8 0.0
DHY	Denali Highway	22.75 336	eP	P	17 55 29.6 -0.2
SKT	Skwentna	23.30 331	eP	P	17 55 35.8 +0.4
KSU1	Kansas State U	23.55 90	eP	P	17 55 39.4 +1.4
G35A	Watkins	23.58 74	eP	P	17 55 38.6 +0.4
HDA	Harding Lake	23.68 339	eP	P	17 55 38.8 -0.2
MCK	McKinley	23.71 336	eP	P	17 55 39.0 -0.3
TX31	Lajitas Arr. Si	23.71 119	eP	P	17 55 40.6 +0.8
TXAR	Lajitas Array	23.72 119	eP	P	17 55 40.6 +0.8
TXAR	3.4nm,0.6s,baz=300,slow=6.2,SNR=38		LR	LR	18 05 12.2
WMOK	comp=Z,149nm,18.9s,baz=0,slow=37		LR	LR	17 55 41.2 +0.3
WMOK	Wichita Moun	23.84 102	eP	P	17 55 41.2 +0.3
B35A	35nm,1.8s				
B35A	Littleford	23.87 66	eP	P	17 55 41.0 +0.1
TRF	Thorofore Moun	23.91 335	eP	P	17 55 43.1 +1.7
IL1	Iron River Array	23.95 339	eP	P	17 55 40.8 -0.8
ILAR	Eielson Array	23.95 339	eP	P	17 55 41.4 -0.3
ILAR	4.2nm,0.8s,baz=151,slow=9.0,SNR=26		PcP	PcP	17 59 23.8 +0.3
ILAR	0.3nm,0.6s,baz=191,slow=1.7,SNR=8.8		LR	LR	18 03 27.2
ILB	Eielson Array	23.95 339	eP	P	17 55 40.8 -0.8
LPIG	Lajitas Array	23.96 138	P	P	17 55 43.1 +1.1
LPIG	46nm,0.3s,baz=241,slow=6.2,SNR=6.1		LR	LR	18 04 18.0
LPIG	comp=Z,257nm,19.7s,baz=272,slow=35		LR	LR	17 55 42.2 -0.2
J36A	Seneca 1, Swea	24.00 79	eP	P	17 55 42.2 -0.2
WRH	Wood River Hill	24.03 338	eP	P	17 55 42.0 -0.4
CCB	Clear Creek Bu	24.09 339	eP	P	17 55 42.5 -0.4
PPLA	Purkeypile	24.14 332	eP	P	17 55 43.4 -0.2
F36A	Milaca	24.17 72	eP	P	17 55 44.0 +0.1
BWN	Brown	24.19 336	eP	P	17 55 43.6 -0.3
HPIG	Hill	24.20 126	eP	P	17 55 45.5 +1.0
COLA	College	24.29 339	eP	P	17 55 45.2 +0.6
D36A	Goodland	24.30 69	eP	P	17 55 45.0 0.0
ABTX	Abiene, Hawle	24.36 107	eP	P	17 55 46.8 +1.0
MDM	Murphy Dome	24.45 339	eP	P	17 55 46.9 +0.6
CAST	Castle Rocks	24.46 333	eP	P	17 55 46.7 +0.3
SLBS	Sierra La Lagu	24.49 138	eP	P	17 55 47.8 +1.8
I37A	Lemond, Waseca	24.54 77	eP	P	17 55 48.4 +1.1
BPAW	Bear Paw Mtn.	24.59 335	eP	P	17 55 46.3 -1.2
N37A	Le Faris, Mou	24.75 85	eP	P	17 55 49.4 +0.2
SPMN	Marine on St.	24.76 74	eP	P	17 55 50.0 +0.8
FYU	Fort Yukon	25.07 343	eP	P	17 55 52.0 +0.3
INK	Inuvik	25.08 355	P	P	17 55 51.9 +0.1
INK	2.6nm,0.8s,baz=166,slow=12,SNR=8.0		LR	LR	18 05 12.1
INK	comp=Z,348nm,18.9s,baz=159,slow=36		P	P	17 55 51.3 -0.4
INK	Inuvik	25.08 355	eP	P	17 55 51.3 -0.4
SCIA	State Center	25.15 82	eP	P	17 55 54.4 +1.7
MLY	Manley	25.20 337	eP	P	17 55 52.4 -0.7
K38A	Parkersburg	25.28 80	eP	P	17 55 55.9 +1.9
EYMN	Ely	25.38 67	eP	P	17 55 55.1 +0.3
TUL1	Leonard	25.43 97	eP	P	17 55 55.8 +0.4
JCT	Junction City	25.			

6d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KMER Konya-Merem, KONT Konya-Tatoy, LADK Ladik-KONYA, etc.

CSEM 06 18:39:21.5:0.6,51.50N:16.14E,h1km,ML2.7/4,Error ellipse: s-maj=8.8km s-min=5.3km az=173.0 PRU 06 18:39:22.1,51.50N:16.09E,h0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP Ksiaz, UPC Upice, DPC Dobruska-Polom, etc.

MEX 06 18:52:33.8:0.3,14.84N:93.24W,h16km,22km,MD3.7, Near coast of Chiapas

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

IDC 06 18:56:22.4:1.7,8.69S:130.66E,h0km,mb3.5/1, mb1 3.7/5,mb1mx3.4/48,mbtmp3.6/5,ML3.5/4,Error ellipse: s-maj=50.3km s-min=24.7km az=88.0,Tanimbar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SIJI Sorong, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

NEIC 06 18:59:07.5:0.7,11.70S:76.50W,h10km,ML4.0(ARE), Error ellipse: s-maj=13.7km s-min=10.6km az=191.0, Central Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NNA Nana, LPAZ La Paz, NINMC Milinye Minye, etc.

NIED 06 19:21:00.25:90N:126.90E,h23km,Mw3.9 Best double couple: M=8.57000e+104 NP1=1.20000e+82,0.0000, lambda=3.00000, NP2=1.013.00000, delta=0.0000, lambda=172.00000

ISCJB 06 19:21:00.0:0.8,25.95N:106.126:85E:0.06,h36km,7km, mb3.7/15,MS3.0/3,Error ellipse: s-maj=9.7km s-min=8.5km az=165.2 JMA 06 19:21:59.0:1.1,25.87N:126.89E,h16km,3km,M3.9

0.0 JUL

IDC 06 19:22:02.3:2.7,25.98N:126.93E,h41km,26km,mb3.5/15, mb1 3.7/17,mb1mx3.6/44,mbtmp3.7/17,ML3.3/2,MS2.9/4, Ms1 2.9/4,ms1mx2.6/45,Error ellipse: s-maj=17.7km s-min=14.4km az=75.0

ISC 06 19:21:59.6:1.1,25.89N:108.126:92E:0.05,h22km,7km,n32,e0.93/31,mb3.8/15,MS3.0/3,Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUME jima 2, AGUNI-jima, TAGAMUSUKU3, etc.

JMA 06 19:26:06.5:0.1,33.34N:137.64E,h386km,M3.2, ISCJB 06 19:26:10.5:0.4,33.54N:137.66E:0.07,h352km, mb3.2/19,Error ellipse: s-maj=39.1km s-min=6.9km az=39.1

IDC 06 19:28:12.1:0.5,33.55N:137.52E,h344km,9km,mb3.1/8, mb1 3.2/13,mb1mx3.0/74,mbtmp3.8/13,Error ellipse: s-maj=22.2km s-min=9.4km az=66.0

ISC 06 19:26:12.2:0.8,33.59N:107.137:58E:0.07,h352km,n32,e0.139/36,mb3.3/8,Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TOK1 Tokai 1, TT03 TONANKAI O.B.S, etc.

IDC 06 19:37:31.9:6.3,22.89S:172.71E,h82km,50km,mb3.5/5, mb1 3.6/6,mb1mx3.3/47,mbtmp3.8/6,ML3.1/1,MS3.8/2, Ms1 3.8/2,ms1mx3.3/17,Error ellipse: s-maj=44.6km s-min=32.7km az=119.0,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, AFI Afamalu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, LEM Lembang, etc.

ISCJB 06 19:37:58.0:0.3,22.62S:173.04E:0.05,h32km, mb4.7/38,Error ellipse: s-maj=6.9km s-min=5.9km az=148.8

NEIC 06 19:38:02.0:1.4,22.61S:173.06E,h54km,13km,mb4.9/37, Error ellipse: s-maj=8.1km s-min=7.1km az=56.0

IDC 06 19:38:02.2:4.0,22.65S:172.99E,h55km,33km,mb4.1/17, mb1 4.2/19,mb1mx4.0/48,mbtmp4.4/19,ML3.8/2,Error ellipse: s-maj=22.0km s-min=15.2km az=72.0

ISC 06 19:37:59.7:0.4,22.63S:108.173:07E:0.06,h32km,n79,e1:15/74,mb4.8/38,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, HIZ Hizu, URZ Urewera, etc.

Table with columns: PSI, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Prapat, Mawson, BOSA, FITZ, CM01, etc.

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

ICD 06 21:26:02.12,3,39.15N:73.94E, h0km, mb3.7/3, mb1.3/4, mb1mx2.5/0, mbtmpr3.4/8, ML3.0/5, Error ellipse: s-maj=43.0km s-min=16.4km az=135.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SFK, SFK, DRK, ARSB, etc.

Main table with columns: UCH, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KZA, MNAS, EKS2, MRKS, etc.

MEX 06 21:31:49.7±0.5, 16.24N:98.25W, h5km, MD3.6, Near coast of Guerrero

Table with columns: TLIG, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KASHI, SFK, AAK, etc.

ICD 06 22:20:09.8±1.5, 27.01N:52.69E, h0km, mb3.7/8, mb1.3/8, mb1mx3.5/7, mbtmpr3.7/10, ML3.3/2, Error ellipse: s-maj=30.0km s-min=23.6km az=175.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BOOSS, BANOM, ASUD, etc.

ICD 06 22:20:34.7±6.6, 12.69N:92.57E, h0km, mb3.7/4, mb1.3/5, mb1mx3.3/7, mbtmpr3.5/5, ML3.4/1, Error ellipse: s-maj=124.5km s-min=47.6km az=169.0

Table with columns: MKAR, SONM, KURBB, FINES. Includes station names, coordinates, and time/res data.

IDC 06 22:21:26.1, 3.3, 79.53N, 2.95E, h0km, mb3.5/2, mb1 3.8/6, mb1mx3.3/74, mbtmp3.8/6, ML3.1/4, MS3.0/11, Ms1 3.0/11, ms1mx2.7/60, Error ellipse: s-maj=48.2km s-min=32.4km az=126.0

BER 06 22:21:28.9, 1.3, 79.65N, 4.90E, h0km, 11km, ML2.3, ISC 06 22:21:25.2, 1.2, 79.4N, 0.1, 2.94E, 0.05, h10km, n19, s299/18, MS3.1/7, Greenland Sea

Main station list table for the left column, including stations like Kingsbay, Spitsbergen Ar, Spitsbergen Ar, etc.

NIED 06 22:42:00, 45.50N, 151.70E, h14km, Mw4.0 Best double couple: Mo 1.29000e+10, NP1: 221.00000, 330.00000, 1.87, 0.00000, NP2: 44.00000, 860.00000, 1.92, 0.00000, JMA 06 22:42:36.0, 0.5, 45.55N, 151.66E, h30km, Mw4.7, ISCJB 06 22:42:36.7, 0.9, 45.1N, 0.1, 151.59E, 0.09, h32km, mb3.3/4, MS3.4/6, Error ellipse: s-maj=17.9km s-min=6.4km az=156.3

Main station list table for the left column, including stations like Kuril'sk, Chorzow, Ojcow, etc.

Main station list table for the right column, including stations like GRPR, Tuman, Kuril'sk, etc.

CSEM 06 22:45:53.0, 3.0, 8.50, 29N, 19.03E, h1km, ML2.2/4, Error ellipse: s-maj=11.8km s-min=5.6km az=10.0

PRU 06 22:45:54.3, 0.8, 22.02N, 19.01E, h0km, Poland

Main station list table for the right column, including stations like Chorzow, Ojcow, etc.

SIGU 06 22:47:58.4, 0.8, 46.1N, 1.27E, h135km, 2km, mb4.4/15, MOS 06 22:47:59.3, 0.8, 45.72N, 26.65E, h106km, mb4.3/12, Error ellipse: s-maj=5.1km s-min=3.4km az=116.4

ISCJB 06 22:47:59.5, 0.1, 45.69N, 0.010, 26.65E, 0.02, h114km, 1km, mb4.3/62, Error ellipse: s-maj=1.9km s-min=1.5km az=142.9

SOF 06 22:47:59.8, 45.62N, 26.58E, h124km, MD3.7, IDC 06 22:48:00.0, 0.3, 45.38N, 26.49E, h108km, 2km, mb3.9/28, mb1 3.9/39, mb1mx3.8/73, mbtmp4.2/39, MS2.7/6, Ms1 2.7/6, ms1mx2.4/71, Error ellipse: s-maj=9.4km s-min=6.4km az=155.0

Principal axes: T 1.9600, Plg76.0000, Azm173.0000, N -0.1400, Plg5.0000, Azm284.0000, P -1.8200, Plg13.0000, Azm15.0000, After BUC. NEIC Felt at Bucharest and Constanta. Also felt at Cahul, Moldova. CSEM 06 22:48:00.5, 0.1, 45.71N, 26.65E, h107km, mb4.6/16, Mw4.1, Error ellipse: s-maj=2.3km s-min=1.8km az=35.0, BUC 06 22:48:00.6, 0.5, 45.69N, 26.67E, h116km, 6km, MD4.7/11, Error ellipse: s-maj=3.8km s-min=3.0km az=62.0, ISC 06 22:48:00.8, 0.4, 45.75N, 0.02, 26.65E, 0.02, h111km, 3km, h111km, p-P, n11, r155/872, mb4.6/67, 85C-107D, Romania

Main station list table for the right column, including stations like Plostin, Vrnicioiaia, etc.

Table with columns: MOA, Molln, 8.76 288, i Pn, Pn, 22 50 05.4 +1.0, etc. Lists various astronomical objects and their properties.

Table with columns: MMAI, Mount Meron Ar, 14.39 149, P, Pn, 22 51 20.9 +1.7, etc. Lists astronomical objects with detailed parameters.

Table with columns: PESTR, Estremoz, 26.10 267, eP, P, 22 53 23.4 -0.6, etc. Lists astronomical objects with various identifiers and coordinates.

6d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TAPN, ODAN, SACY, SONA1, SONA2, SONM, SONM1, SCHQ, HHC, PALK, LSZ, BILL, SEY, SEY1, CHTO, CHTO1, CMAR, GYA, KLR, KLR1, KLR2, OPO, YKA, YKA1, NJ2, ILAR, ILAR1, ILAR2, KSAR, KSAR1, KSAR2, KSRS, KSRS1, KSRS2, BOSB, ECSD, PDAR, BMO, TXAR, SNAE, PLCA.

NIED 06 22:56:00.31780N,141.30E,h53km,Mw3.7 Best double couple: M4.44000,1014 NP1.0,123.00000, 613.00000, 1-167.00000... NP2.0,20.00000, 687.00000, 1-78.00000.

ISCJB 06 22:56:18.9,0.4,31.68N,141.31E,h57km, mb3.8/17,MS4.1/1, Error ellipse: s-maj=11.9km, s-min=4.2km az=155.3

JMA 06 22:56:18.1,0.4,31.83N,141.31E,h38km,M4.2 NEIC 06 22:56:20.7,0.9,31.66N,141.06E,h54km,mb4.1/4, Error ellipse: s-maj=14.0km s-min=7.3km az=73.0

IDC 06 22:56:20.9,1.9,31.66N,141.06E,h50km,mb3.6/14, mb1.3/8/16,mb1mx3.5/74,mbtmp3.8/16,ML3.9/2,MS2.5/3, Ms1.2/5,ms1mx2.3/55, Error ellipse: s-maj=22.4km s-min=12.6km az=75.0

ISC 06 22:56:20.6,0.6,31.69N,141.14E,0.10,h57km,n39, @153/45,mb3.8/17, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like JAOM, HJCU, HJCU1, HJCU2, HJCU3, HJCU4, HJCU5, HJCU6, HJCU7, HJCU8, HJCU9, HJCU10, HJCU11, HJCU12, HJCU13, HJCU14, HJCU15, HJCU16, HJCU17, HJCU18, HJCU19, HJCU20, HJCU21, HJCU22, HJCU23, HJCU24, HJCU25, HJCU26, HJCU27, HJCU28, HJCU29, HJCU30, HJCU31, HJCU32, HJCU33, HJCU34, HJCU35, HJCU36, HJCU37, HJCU38, HJCU39, HJCU40, HJCU41, HJCU42, HJCU43, HJCU44, HJCU45, HJCU46, HJCU47, HJCU48, HJCU49, HJCU50, HJCU51, HJCU52, HJCU53, HJCU54, HJCU55, HJCU56, HJCU57, HJCU58, HJCU59, HJCU60, HJCU61, HJCU62, HJCU63, HJCU64, HJCU65, HJCU66, HJCU67, HJCU68, HJCU69, HJCU70, HJCU71, HJCU72, HJCU73, HJCU74, HJCU75, HJCU76, HJCU77, HJCU78, HJCU79, HJCU80, HJCU81, HJCU82, HJCU83, HJCU84, HJCU85, HJCU86, HJCU87, HJCU88, HJCU89, HJCU90, HJCU91, HJCU92, HJCU93, HJCU94, HJCU95, HJCU96, HJCU97, HJCU98, HJCU99, HJCU100.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like INK, NWAO, FINAS, GNI, NVAR, HFS, DUG, PDAR, TXAR.

NEIC 06 22:59:45.0,0.11,86S,76.37W,h24km,mb4.0/1, ML4.1(ARE),After ARE.,Central Peru

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like NNA, NNA1, NNA2, OTAV, SAMU, TRAQ.

NEIC 06 23:02:21.9,3.9,1.6,38S,173.57W,h10km,mb4.1/3, Error ellipse: s-maj=80.0km s-min=10.9km az=73.0

IDC 06 23:02:23.3,4.3,0.16,37S,173.98W,h0km,mb4.1/3, mb1.4/3,mb1mx3.7/48,mbtmp4.1/3,MS4.1/2,Ms1.4/2, ms1mx2.8/49, Error ellipse: s-maj=82.7,4km s-min=17.0,6km az=79.0

ISC 06 23:02:21.4,7.1,16.4S,173.5W,1.0,h10km,n12, @051/10,mb3.9/6,Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like FUNA, RAO, HNR, SNZO, PMG, TAU, STRA, WRKB, WRA, ASAR, NWAO, PFO.

IDC 06 23:21:14.7,9.0,6.84S,129.56E,h132km,90km,mb2.9/1, mb1.3/6.5,mb1km3.1/65,mbtmp3.9/5, Error ellipse: s-maj=31.6km s-min=3.8km az=47.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BATI, BATI1, BATI2, FITZ, FITZ1, FITZ2, WRA, WRA1, WRA2, ASAR, MKAR.

IDC 06 23:21:20.3,2.6,6.08S,147.89E,h0km,mb3.7/3, mb1.3/8.5,mb1mx3.5/55,mbtmp3.7/5,ML3.7/1, Error ellipse: s-maj=7.8,1km s-min=24.1km az=93.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PMG, PMG1, PMG2, WRA, WRA1, WRA2, ASAR, STKA, MKAR.

MEX 06 23:28:49.3,0.5,17.31N,100.75W,h10km,4km,MD3.8 Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CAIG, CAIG1, CAIG2, CAIG3, CAIG4, CAIG5, CAIG6, CAIG7, CAIG8, CAIG9, CAIG10, CAIG11, CAIG12, CAIG13, CAIG14, CAIG15, CAIG16, CAIG17, CAIG18, CAIG19, CAIG20, CAIG21, CAIG22, CAIG23, CAIG24, CAIG25, CAIG26, CAIG27, CAIG28, CAIG29, CAIG30, CAIG31, CAIG32, CAIG33, CAIG34, CAIG35, CAIG36, CAIG37, CAIG38, CAIG39, CAIG40, CAIG41, CAIG42, CAIG43, CAIG44, CAIG45, CAIG46, CAIG47, CAIG48, CAIG49, CAIG50, CAIG51, CAIG52, CAIG53, CAIG54, CAIG55, CAIG56, CAIG57, CAIG58, CAIG59, CAIG60, CAIG61, CAIG62, CAIG63, CAIG64, CAIG65, CAIG66, CAIG67, CAIG68, CAIG69, CAIG70, CAIG71, CAIG72, CAIG73, CAIG74, CAIG75, CAIG76, CAIG77, CAIG78, CAIG79, CAIG80, CAIG81, CAIG82, CAIG83, CAIG84, CAIG85, CAIG86, CAIG87, CAIG88, CAIG89, CAIG90, CAIG91, CAIG92, CAIG93, CAIG94, CAIG95, CAIG96, CAIG97, CAIG98, CAIG99, CAIG100.

ISCJB 06 23:35:18.7,1.4,36.55N,104.42E,0.04,h3km,gkm, Error ellipse: s-maj=7.4km s-min=4.9km az=22.4

DDA 06 23:35:18.7,36.57N,104.17E,h7km,ML2.4 CSEM 06 23:35:19.0,0.2,36.55N,104.20E,h2km,ML2.1, Error ellipse: s-maj=4.4km s-min=2.7km az=43.0

ISCN 06 23:35:20.9,1.6,36.60N,104.29E,h0km,8km,ML2.5 ISC 06 23:35:19.8,1.7,36.59N,105.42E,18E,0.03,h8km,11km, n20,@084/39,Iraq

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SIRR, SIRR1, SIRR2, SIRR3, SIRR4, SIRR5, SIRR6, SIRR7, SIRR8, SIRR9, SIRR10, SIRR11, SIRR12, SIRR13, SIRR14, SIRR15, SIRR16, SIRR17, SIRR18, SIRR19, SIRR20, SIRR21, SIRR22, SIRR23, SIRR24, SIRR25, SIRR26, SIRR27, SIRR28, SIRR29, SIRR30, SIRR31, SIRR32, SIRR33, SIRR34, SIRR35, SIRR36, SIRR37, SIRR38, SIRR39, SIRR40, SIRR41, SIRR42, SIRR43, SIRR44, SIRR45, SIRR46, SIRR47, SIRR48, SIRR49, SIRR50, SIRR51, SIRR52, SIRR53, SIRR54, SIRR55, SIRR56, SIRR57, SIRR58, SIRR59, SIRR60, SIRR61, SIRR62, SIRR63, SIRR64, SIRR65, SIRR66, SIRR67, SIRR68, SIRR69, SIRR70, SIRR71, SIRR72, SIRR73, SIRR74, SIRR75, SIRR76, SIRR77, SIRR78, SIRR79, SIRR80, SIRR81, SIRR82, SIRR83, SIRR84, SIRR85, SIRR86, SIRR87, SIRR88, SIRR89, SIRR90, SIRR91, SIRR92, SIRR93, SIRR94, SIRR95, SIRR96, SIRR97, SIRR98, SIRR99, SIRR100.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SRMT, SRMT1, SRMT2, SRMT3, SRMT4, SRMT5, SRMT6, SRMT7, SRMT8, SRMT9, SRMT10, SRMT11, SRMT12, SRMT13, SRMT14, SRMT15, SRMT16, SRMT17, SRMT18, SRMT19, SRMT20, SRMT21, SRMT22, SRMT23, SRMT24, SRMT25, SRMT26, SRMT27, SRMT28, SRMT29, SRMT30, SRMT31, SRMT32, SRMT33, SRMT34, SRMT35, SRMT36, SRMT37, SRMT38, SRMT39, SRMT40, SRMT41, SRMT42, SRMT43, SRMT44, SRMT45, SRMT46, SRMT47, SRMT48, SRMT49, SRMT50, SRMT51, SRMT52, SRMT53, SRMT54, SRMT55, SRMT56, SRMT57, SRMT58, SRMT59, SRMT60, SRMT61, SRMT62, SRMT63, SRMT64, SRMT65, SRMT66, SRMT67, SRMT68, SRMT69, SRMT70, SRMT71, SRMT72, SRMT73, SRMT74, SRMT75, SRMT76, SRMT77, SRMT78, SRMT79, SRMT80, SRMT81, SRMT82, SRMT83, SRMT84, SRMT85, SRMT86, SRMT87, SRMT88, SRMT89, SRMT90, SRMT91, SRMT92, SRMT93, SRMT94, SRMT95, SRMT96, SRMT97, SRMT98, SRMT99, SRMT100.

PRU 06 23:39:38.6,51.52N,16.15E,h0km CSEM 06 23:39:38.0,0.6,51.52N,16.10E,h2km,ML2.7/8, Error ellipse: s-maj=9.2km s-min=6.0km az=18.0

VIE 06 23:39:44.0,1.1,51.19N,16.44E,h0km,ml2.0/4, Error ellipse: s-maj=15.9km s-min=6.8km az=109.0 41 km WNW of Wroclaw Suspected Mining induced

ISC 06 23:39:37.1,8.5155N,0.0816E,0.05,h0km,n28, @064/50,Poland

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KSP, KSP1, KSP2, KSP3, KSP4, KSP5, KSP6, KSP7, KSP8, KSP9, KSP10, KSP11, KSP12, KSP13, KSP14, KSP15, KSP16, KSP17, KSP18, KSP19, KSP20, KSP21, KSP22, KSP23, KSP24, KSP25, KSP26, KSP27, KSP28, KSP29, KSP30, KSP31, KSP32, KSP33, KSP34, KSP35, KSP36, KSP37, KSP38, KSP39, KSP40, KSP41, KSP42, KSP43, KSP44, KSP45, KSP46, KSP47, KSP48, KSP49, KSP50, KSP51, KSP52, KSP53, KSP54, KSP55, KSP56, KSP57, KSP58, KSP59, KSP60, KSP61, KSP62, KSP63, KSP64, KSP65, KSP66, KSP67, KSP68, KSP69, KSP70, KSP71, KSP72, KSP73, KSP74, KSP75, KSP76, KSP77, KSP78, KSP79, KSP80, KSP81, KSP82, KSP83, KSP84, KSP85, KSP86, KSP87, KSP88, KSP89, KSP90, KSP91, KSP92, KSP93, KSP94, KSP95, KSP96, KSP97, KSP98, KSP99, KSP100.

GOPE GO Pecny, Ondr 1.86 209 eP Pb 23 40 12.4 -0.2

GOPE GO Pecny, Ondr 1.86 209 eP Pb 23 40 12.4 -0.2

PRU Pruhonice 1.88 214 eP Pb 23 40 37.1 -0.4

PRU Pruhonice 1.88 214 eP Pb 23 40 37.1 -0.4

MORC Moravsky Berou 1.97 154 eP Pb 23 40 12.1 -0.3

MORC Moravsky Berou 1.97 154 eP Pb 23 40 12.1 -0.3

CLL Collm 2.01 264 eP Pb 23 40 37.0 -0.5

VRR Vranov 2.26 173 eP Pb 23 40 17.3 -1.0

VRR Vranov 2.26 173 eP Pb 23 40 17.3 -1.0

Novy Kostel 2.71 242 eP Pb 23 40 22.5 -1.2

Novy Kostel 2.71 242 eP Pb 23 40 22.5 -1.2

KHC Kasperske Hory 2.94 216 eP Pb 23 40 31.7 -0.7

KHC Kasperske Hory 2.94 216 eP Pb 23 40 31.7 -0.7

CONA Conrad Observa 3.63 183 iP Pb 23 40 36.3 +1.1

CONA Conrad Observa 3.63 183 iP Pb 23 40 36.3 +1.1

MOA Molin 3.91 199 eP Pb 23 41 43.2 0.0

MOA Molin 3.91 199 eP Pb 23 41 43.2 0.0

TEH 06 23:40:08.2,34.51N,59.92E,h19km,ML3.7

ISCJB 06 23:40:09.8,0.5,34.49N,59.94E,0.06,h10km, mb3.4/6,MS2.4/1, Error ellipse: s-maj=7.4km s-min=3.9km az=0.5

CSEM 06 23:40:11.1,0.2,34.51N,59.95E,h20km,ML3.7, Error ellipse: s-maj=7.2km s-min=3.6km az=86.0

IDC 06 23:40:11.8,2.2,34.69N,60.13E,h0km,mb3.3/7, Mb1.3/5.9,mb1mx3.6/66,mbtmp3.4/9,ML3.3/2,MS2.6/1, Ms1.2/6.1,ms1mx2.0/42, Error ellipse: s-maj=33.1km s-min=21.8km az=2.0

THR 06 23:40:12.1,0.4,34.38N,59.88E,h40km,3km,ML3.7 ISC 06 23:40:11.4,0.8,34.51N,60.03E,0.05,h10km,n74, @190/61,mb3.6/5,Northern and central Iran

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SHRT, SHRT1, SHRT2, SHRT3, SHRT4, SHRT5, SHRT6, SHRT7, SHRT8, SHRT9, SHRT10, SHRT11, SHRT12, SHRT13, SHRT14, SHRT15, SHRT16, SHRT17, SHRT18, SHRT19, SHRT20, SHRT21, SHRT22, SHRT23, SHRT24, SHRT25, SHRT26, SHRT27, SHRT28, SHRT29, SHRT30, SHRT31, SHRT32, SHRT33, SHRT34, SHRT35, SHRT36, SHRT37, SHRT38, SHRT39, SHRT40, SHRT41, SHRT42, SHRT43, SHRT44, SHRT45, SHRT46, SHRT47, SHRT48, SHRT49, SHRT50, SHRT51, SHRT52, SHRT53, SHRT54, SHRT55, SHRT56, SHRT57, SHRT58, SHRT59, SHRT60, SHRT61, SHRT62, SHRT63, SHRT64, SHRT65, SHRT66, SHRT67, SHRT68, SHRT69, SHRT70, SHRT71, SHRT72, SHRT73, SHRT74, SHRT75, SHRT76, SHRT77, SHRT78, SHRT79, SHRT80, SHRT81, SHRT82, SHRT83, SHRT84, SHRT85, SHRT86, SHRT87, SHRT88, SHRT89, SHRT90, SHRT91, SHRT92, SHRT93, SHRT94, SHRT95, SHRT96, SHRT97, SHRT98, SHRT99, SHRT100.

Table with columns: Station Name, Frequency, Power, Band, and various numerical values. Includes stations like IMYA Miami, ISRO Mashhad, ISRO comp=N,9um,0.2s, etc.

Table with columns: Station Name, Frequency, Power, Band, and various numerical values. Includes stations like IFIR Firoozkooh, IFIR comp=Z,228nm,0.1s, IFIR comp=N,305nm,0.3s, etc.

Table with columns: Station Name, Frequency, Power, Band, and various numerical values. Includes stations like SVAN Silvan-Diyarba, SVAN Silvan-Diyarba, SVAN Silvan-Diyarba, etc.

ISK 07 00:02:33.6, 38°60N-43°14E, h16km, 1km, ML2.3/3
CSEM 07 00:02:34.5-0.2, 38°62N-43°16E, h15km, ML2.3, Error
ellipse: s-maj=4.8km s-min=4.1km az=143.0
IS/CJB 07 00:02:35.2-0.0, 38°63N-03°43E, h9km, 5km,
Error ellipse: s-maj=4.7km s-min=3.9km az=152.0
DDA 07 00:02:35.2, 38°63N-43°18E, h7km, ML2.5
ISC 07 00:02:34.9-0.8, 38°64N-02°43E, h10km, 5km,
n25, e1909/49, Turkey

Table with columns: Code, Station Name, Frequency, Power, Band, and various numerical values. Includes stations like VANB Van, VANB Van, VANB Van, etc.

IDC 07 00:08:23.7-2.3, 21°96S-69°74W, h0km, mb3.3/2,
mb1.3.7/3, mb1mx3.4/37, mb1mp3.4/3, ML3.6/1, Error
ellipse: s-maj=65.5km s-min=42.3km az=30.0
IS/CJB 07 00:08:40.5-0.6, 20°79S-0°04-69°50W-0°10, h106km, 5km,
mb3.2/2, Error ellipse: s-maj=15.5km s-min=5.6km az=6.6
GUC 07 00:08:40.8-0.6, 20°76S-69°41W, h97km, 3km, ML3.8
ISC 07 00:08:41.0-0.9, 20°80S-0°04-69°48W-0°10, h101km, 7km,
n20, e086/24, 7C-2D, Northern Chile

Table with columns: Code, Station Name, Frequency, Power, Band, and various numerical values. 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. Includes entries like H11S3 WAKE ISLAND Hy27.27 278 T T 02 47 23.2

ISCJB 07 00:24:37.0-8.0, 23.75S:0.05:67.05W:0.08, h187km, 11km, mb3, 7/3, Error ellipse: s-maj=12.0km

IDC 07 00:24:39.0-2.0, 23.71S:66.86W, h178km, 22km, mb3.5/3, mb1 3.4/7, mb1mx3.1/57, mb2mx3.8/77, Error ellipse: s-maj=28.3km s-min=17.4km az=91.0

GUC 07 00:24:39.8-0.5, 23.79S:67.64W, h229km, 27km, ML4.0
ISC 07 00:24:38.1-0.9, 23.75S:0.06:66.99W:0.08, h174km, 12km, n18, c1933, mb3.6/3, 1C, Juijuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like IPOC Station P 2.59 293 eP Sn 00 25 23.4 +1.7

IDC 07 00:27:27.6-5.9, 7.81S:106.63E, h171km, 48km, mb3.5/4, mb1 3.6/4, mb1mx3.1/57, mb2mx3.8/4, Error ellipse: s-maj=59.3km s-min=21.2km az=56.0

DJA 07 00:27:29.0-0.7, 8.5'S:5.10'7E', h17km, 7km, M3.8/7, MLV3.8/7
ISC 07 00:27:26.6-1.7, 8.03S:0.07:107.13E:0.05, h19km, 4km, n12, c1917/17, mb3.6/4, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like CISMIP Garu 0.82 55 P Sg 00 27 43.5 +0.2

BJI 07 00:50:23.7, 39.64S:176.07E, h91km, mb5.5/14, mb5.8/8
MOS 07 00:50:24.3-1.2, 39.03S:175.78E, h87km, mb5.1/14, Error ellipse: s-maj=12.2km s-min=9.7km az=75.9

ISCJB 07 00:50:25.0-0.1, 39.12S:0.02:175.76E:0.03, h99km, 1km, mb2.5/55, Error ellipse: s-maj=3.5km s-min=2.5km az=26.4

WEL 07 00:50:26.8, 39.15S:0.8:17.6E', h90km, 1km
IDC 07 00:50:27.1-0.8, 38.94S:175.82E, h102km, 8km, mb4.8/22, mb1 4.9/23, mb1mx4.7/46, mb2mx5.1/23, MS3.6/11, Ms1 3.5/11, ms1mx3.4/40, Error ellipse: s-maj=11.8km s-min=10.5km az=20.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like OTVZ Otutere 0.06 271 eP Sn 00 50 38.8 -2.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WTVZ WTVZ 0.50 49.8 -1.6 Sn 00 50 49.8 -1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like COVZ Chateau Observ 0.16 257 S Sn 00 50 40.0 -0.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like RATZ Rangitukua 0.30 5 P Sn 00 50 39.9 -1.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like BKZ Black Stump Fm 0.59 90 eSn Sn 00 50 42.2 -1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like ALRZ Allen Road 0.76 38 P Sn 00 50 43.0 -1.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like ARHZ Aroaroanui 0.95 316 eP Sn 00 50 45.8 -0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like RRRZ Republican Roa 1.02 37 P Sn 00 50 45.8 -1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like UTU Utuhina 1.05 20 P Sn 00 50 46.5 -1.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WHZ Whangahau 1.10 274 P Sn 00 50 49.7 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like DREZ Durham Road 1.20 268 P Sn 00 50 51.0 +0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like KARZ Kaharoa 1.21 19 P Sn 00 50 52.4 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like URZ Urewera 1.40 50 P Sn 00 51 07.2 -3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like URZ Urewera 1.40 50 P Sn 00 51 07.2 -3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like ANWZ Angora Road 1.44 157 P Sn 00 50 52.5 +0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like URZ Urewera 1.40 50 P Sn 00 51 07.2 -3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like URZ Urewera 1.40 50 P Sn 00 51 07.2 -3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like MHGZ Mahia Peninsula 1.69 90 Pn Pn 00 50 54.2 -1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like PRGZ Paritu Road 1.69 82 Pn Pn 00 50 54.0 -1.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like RWZ White Island 1.94 35 Pn Pn 00 50 57.5 -1.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WEL Wellington 2.24 199 Pn Pn 00 51 01.9 -0.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like WAZ Waikato 2.23 186 Pn Pn 00 51 01.7 -0.6

7d 0h

2012 JUL

Table with columns for station codes (e.g., GRPR, NEM2, JRA), names, and various numerical data points including time and performance metrics.

Table with columns for station codes (e.g., PEA0B, PETK, PETK), names, and various numerical data points including time and performance metrics.

Table with columns for station codes (e.g., JUNU, JUNU, JUNU), names, and various numerical data points including time and performance metrics.

7d 0h

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Table with columns: ARU, SS, SS, 01 17 23.1 +1.8, etc. Lists various stations and their associated data points.

Table with columns: LRM, Limekiln Ridge, 62.98 51 eP, P, 01 06 51.9 +0.1, etc. Lists various stations and their associated data points.

Table with columns: WB2, WRA, Warramunga Arr, 66.86 197 eP, pP, 01 07 30.4 +3.8, etc. Lists various stations and their associated data points.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like 522A 4UR Ranch, Cre, 71.44 55 eP, SUW Suwalki, BLS5 Blasjo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like J37A Redenius Farm, I38A Scanlan Farm, H39A Augusta, etc.

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

PLG	Polygyros	82.67 323	P	P	01 08 47.6 -0.7
PLG	Polygyros	82.67 323	P	P	01 08 47.6 -0.7
PLG	Polygyros	82.67 323	P	P	01 08 47.6 -0.7
549A	Springfield	82.75 42	P	P	01 08 47.9 -0.8
MMAI	Mount Meron Ar	82.76 310	P	P	01 08 49.6 +0.7
MMAI	comp=Z,18nm,0.9s,baz=48,slow=5.3,SNR=14			LR	01 50 14.4
T48A	Bowling Green	82.77 43	P	P	01 08 47.4 -1.4
PKME	Peaks-Kenny Pk	82.81 28	P	P	01 08 48.9 0.0
WVT	Waverly	82.84 44	P	P	01 08 48.5 -0.7
WVT	Waverly	82.84 44	eP	P	01 08 48.9 -0.3
WVT	Waverly	82.84 44	eP	P	01 08 48.9 -0.3
U47A	Clarksville	82.86 44	P	P	01 08 48.2 -1.1
STON	Ston	82.89 328	P	P	01 08 48.0 -1.3
PAIG	Paliouri	82.94 322	P	P	01 08 48.9 -0.8
PAIG	Paliouri	82.94 322	P	P	01 08 48.9 -0.8
V46A	Holladay	82.96 45	P	P	01 08 49.1 -0.7
BIA	Bitola	83.03 324	iP	P	01 08 49.8 -0.3
YER	Yerkesik	83.13 318	P	P	01 08 51.6 +0.8
YER	Yerkesik	83.13 318	P	P	01 08 51.6 +0.8
FETY	Fethiye	83.14 317	P	P	01 08 50.5 -0.3
FETY	Fethiye	83.14 317	P	P	01 08 50.5 -0.3
OHR	Ohrid	83.17 325	iP	P	01 08 50.2 -0.7
U48A	Cassie Pea, Po	83.17 43	P	P	01 08 50.1 -0.9
T49A	Edmonton	83.18 42	P	P	01 08 49.7 -1.3
FNA	Florida	83.20 324	eP	P	01 08 51.0 -0.1
FNA	Florida	83.20 324	P	P	01 08 50.3 -0.8
FNA	Florida	83.20 324	eP	P	01 08 51.0 -0.1
V47A	Nunnewly	83.24 44	P	P	01 08 50.0 -1.2
S50A	Richmond	83.25 41	P	P	01 08 50.0 -1.3
SENIN	Lac Senin/Sane	83.26 336	eP	P	01 08 52.1 +0.6
LIT	Litokhoron	83.31 323	eP	P	01 08 51.1 -0.5
LIT	Litokhoron	83.31 323	P	P	01 08 50.6 -1.0
LIT	Litokhoron	83.31 323	eP	P	01 08 51.1 -0.5
WVL	Waterville	83.31 28	eP	P	01 08 52.0 +0.5
OXF	Oxford	83.33 47	P	P	01 08 50.9 -0.8
OXF	Oxford	83.33 47	eP	P	01 08 51.3 -0.4
OXF	Oxford	83.33 47	eP	P	01 08 51.3 -0.4
KZN	Kozani	83.44 324	P	P	01 08 51.2 -1.1
KZN	Kozani	83.44 324	P	P	01 08 51.2 -1.1
KZN	Kozani	83.44 324	P	P	01 08 51.2 -1.1
AOS	Alonnissos	83.48 322	P	P	01 08 51.9 -0.6
AOS	Alonnissos	83.48 322	P	P	01 08 51.9 -0.6
U49A	Red Boiling Sp	83.54 43	P	P	01 08 52.2 -0.6
T50A	Nancy	83.58 42	P	P	01 08 52.3 -0.7
XOR	Xorichti	83.62 322	P	P	01 08 52.2 -1.0
XOR	Xorichti	83.62 322	P	P	01 08 52.2 -1.0
NEST	Nestoro	83.65 324	P	P	01 08 53.1 -0.3
V48A	Smith Brothers	83.65 44	eP	P	01 08 51.8 -1.6
V48A	Smith Brothers	83.65 44	eP	P	01 08 53.0 -0.4
NEO	Neokhori	83.65 322	P	P	01 08 53.6 +0.2
NEO	Neokhori	83.65 322	P	P	01 08 53.6 +0.2
SSA	Standing Stone	83.65 35	eP	P	01 08 53.1 -0.2
S51A	Beattyville	83.66 41	P	P	01 08 52.2 -1.2
MCWV	Mont Chateau	83.66 37	P	P	01 08 52.1 -1.2
W47A	Westpoint	83.66 45	P	P	01 08 52.0 -1.5
O56A	Blue Knob Stat	83.68 36	P	P	01 08 52.5 -1.1
FYTO	Fytoko, Volos	83.69 322	P	P	01 08 52.9 -0.6
FYTO	Fytoko, Volos	83.69 322	P	P	01 08 52.9 -0.6
NWAO	Narrogin (SRO)	83.89 208	LR	LR	01 45 22.6
EMMW	East Machias	83.89 27	eP	P	01 08 54.9 +0.5
KPRO	Kipourio	83.90 324	P	P	01 08 53.6 -1.1
RAYN	Ar Rayn	83.96 297	eP	P	01 08 55.8 +0.6
RAYN	Ar Rayn	83.96 297	iP	P	01 08 55.7 +0.5
SMIA	Simia	84.02 322	P	P	01 08 54.4 -0.8
T51A	Gray	84.04 41	P	P	01 08 54.6 -0.8
U50A	Jamestown	84.06 42	P	P	01 08 55.0 -0.6
W48A	Pulaski	84.07 44	P	P	01 08 55.1 -0.5
V49A	McMinnville	84.08 43	P	P	01 08 54.7 -0.9
Y46A	Houston	84.10 47	P	P	01 08 54.5 -1.2
N59A	State Game Lan	84.26 34	eP	P	01 08 56.2 -0.3
AGG	Agios Georgios	84.28 323	eP	P	01 08 55.8 -0.8
AGG	Agios Georgios	84.28 323	eP	P	01 08 55.8 -0.8
JAN	Janina	84.37 324	P	P	01 08 56.9 -0.1
JAN	Janina	84.37 324	P	P	01 08 56.9 -0.1
JAN	Janina	84.37 324	P	P	01 08 56.9 -0.1
T52A	Hallie	84.37 41	P	P	01 08 56.1 -1.0
PTL	Penteli	84.41 321	P	P	01 08 55.8 -1.5
PTL	Penteli	84.41 321	P	P	01 08 55.8 -1.5
W49A	Belvidere	84.42 44	P	P	01 08 55.5 -0.9
U51A	La Follette	84.48 42	P	P	01 08 56.6 -1.1
SWET	Sewanee	84.50 44	eP	P	01 08 57.0 -0.8
V50A	Pikeville	84.54 43	P	P	01 08 56.7 -1.3
X48A	Hartselle	84.56 45	P	P	01 08 56.6 -1.5
TZTN	Tazewell	84.57 41	P	P	01 08 57.6 -0.4
TZTN	Tazewell	84.57 41	eP	P	01 08 57.9 -0.2
Y47A	UCPARC, Winnie	84.60 46	P	P	01 08 57.8 -0.4
VLY	Voula, Athens	84.61 321	P	P	01 08 56.4 -1.8
VLY	Voula, Athens	84.61 321	P	P	01 08 56.4 -1.8
WES	Weston	84.66 30	eP	P	01 08 58.3 -0.1
WES	Weston	84.66 30	eP	P	01 08 58.3 -0.1
IGT	Igoumenitsa	84.69 324	P	P	01 08 57.8 -0.8
IGT	Igoumenitsa	84.69 324	P	P	01 08 57.8 -0.8
IGT	Igoumenitsa	84.69 324	P	P	01 08 57.8 -0.8
KEK	Kerkira	84.75 325	P	P	01 08 58.1 -0.8
KEK	Kerkira	84.75 325	P	P	01 08 58.1 -0.8
U52A	Thorn Hill	84.78 41	P	P	01 08 57.8 -1.3
V51A	Loudon	84.79 42	P	P	01 08 58.5 -0.6
V51A	Loudon	84.79 42	eP	P	01 09 01.1 +2.0
V51A	Loudon	84.79 42	eP	P	01 09 10.9 -1.9
W50A	Signal Mountai	84.82 43	eP	P	01 08 58.5 -0.9
W50A	Signal Mountai	84.82 43	eP	P	01 08 58.9 -0.5
W50A	Signal Mountai	84.82 43	eP	P	01 09 12.6 -0.5

X49A	Woodville	84.87 44	P	P	01 08 58.0 -1.6
KARP	Karpathos	84.94 317	P	P	01 08 58.7 -1.3
KARP	Karpathos	84.94 317	P	P	01 08 58.7 -1.3
CPCT	Cooper Cave	85.00 43	eP	P	01 08 59.8 -0.4
Z47A	Carrollton	85.04 46	P	P	01 08 59.8 -0.7
W51A	Cleveland	85.11 43	P	P	01 08 59.9 -0.9
V52A	Sevierville	85.12 42	P	P	01 09 00.3 -0.5
V52A	Sevierville	85.12 42	eP	P	01 09 00.6 -0.2
U53A	Fall Branch	85.16 41	P	P	01 08 59.8 -1.3
LK2D	Lefkada island	85.18 324	P	P	01 09 00.2 -0.9
LK2D	Lefkada island	85.18 324	P	P	01 09 00.2 -0.9
TKL	Tuckaleechee C	85.18 42	P	P	01 09 00.7 -0.5
TKL	comp=Z,7.4nm,1.0s,baz=28,slow=2.3,SNR=7.3			LR	01 46 11.7
TKL	comp=Z,311nm,21.9s,baz=344,slow=35			LR	01 09 00.8 -0.4
TKL	Tuckaleechee C	85.18 42	eP	P	01 09 00.8 -0.4
TKL	Tuckaleechee C	85.18 42	eP	P	01 09 00.8 -0.4
EVGI	Lefkada island	85.32 323	P	P	01 09 00.9 -0.9
Y49A	Glott Mt Mountai	85.35 45	P	P	01 09 01.2 -0.9
147A	Livingston	85.36 47	P	P	01 09 01.6 -0.4
BLA	Blacksburg	85.44 39	P	P	01 09 01.2 -1.3
BLA	Blacksburg	85.44 39	eP	P	01 09 02.2 -0.2
BLA	Blacksburg	85.44 39	eP	P	01 09 02.3 -0.2
RLS	Riolos of Patr	85.45 323	P	P	01 09 02.1 -0.3
RLS	Riolos of Patr	85.45 323	P	P	01 09 02.1 -0.3
EIL	Elat	85.56 309	P	P	01 09 03.8 +5.1
V53A	Saluda	85.62 41	P	P	01 09 03.2 -0.2
Y50A	Piedmont	85.66 44	P	P	01 09 03.0 -0.6
Z47A	Quitman	85.67 47	P	P	01 09 02.9 -0.8
IP04	Greensprings	85.71 37	eP	P	01 09 04.5 +0.8
LRAL	Lakeview Retre	85.72 46	P	P	01 09 03.3 -0.6
VLS	Valsamata	85.72 323	P	P	01 09 03.1 -0.7
VLS	Valsamata	85.72 323	P	P	01 09 03.1 -0.7
Z49A	Columbiana	85.83 45	P	P	01 09 03.3 -1.1
W53A	Cullowhee	85.87 42	P	P	01 09 03.9 -0.8
VLI	Vellai	85.93 321	P	P	01 09 02.1 -2.7
VLI	Vellai	85.93 321	P	P	01 09 02.1 -2.7
X52A	Dahlonaga	85.98 43	P	P	01 09 03.4 -1.8
Y51A	Rockmart	85.99 44	P	P	01 09 04.2 -1.0
ITM	Ithomi	85.99 322	eP	P	01 09 04.5 -0.7
ITM	Ithomi	85.99 322	P	P	01 09 04.0 -1.2
LAST	Lasthi	86.05 318	P	P	01 09 05.4 -0.2
LAST	Lasthi	86.05 318	P	P	01 09 05.4 -0.2
Z50A	Ashland	86.08 45	eP	P	01 09 04.8 -0.9
Z50A	Ashland	86.08 45	eP	P	01 09 05.2 -0.5
BG3	Lake Jocassee	86.12 42	eP	P	01 09 06.0 +0.2
149A	Jones	86.17 46	P	P	01 09 06.0 -0.1
347A	Saratand	86.22 48	P	P	01 09 05.7 -0.6
IDI	Anoyia	86.22 319	P	P	01 09 05.0 -1.4
IDI	comp=Z,2.1nm,0.5s,baz=38,slow=1.3,SNR=15			LR	01 54 05.4
X53A	Estanollee	86.35 42	P	P	01 09 06.9 0.0
TIP	Timpagrande	86.42 326	iP	P	01 09 07.1 -0.2
TIP	Timpagrande	86.42 326	P	P	01 09 06.9 -0.4
TIP	Timpagrande	86.42 326	P	P	01 09 06.9 -0.4
Z49A	Camden	86.50 47	P	P	01 09 07.3 -0.4
IMMV	Iera Moni Meta	86.50 319	P	P	01 09 06.5 -1.2
Y52A	Lilburn	86.50 43	P	P	01 09 07.5 -0.3
150A	Eclectic	86.55 45	P	P	01 09 07.0 -0.9
NCAT	North Carolina	86.67 39	eP	P	01 09 08.9 +0.4
Y53A	Monroe	86.74 43	eP	P	01 09 08.4 -0.5
KM5C	Kings Mountain	86.74 41	P	P	01 09 07.1 -1.8
Z52A	Williamson	86.88 44	P	P	01 09 08.3 -1.2
Z50A	Grady	86.93 46	P	P	01 09 09.7 -0.2
Z50A	Grady	86.93 46	eP	P	01 09 09.9 +0.1
TBI	Tubuai	87.03 128	eS	S	01 19 25.0 +6.1
TBI	Tubuai	87.03 128	eLR	LR	01 36 47.6
TBI	Tubuai	87.03 128	eT	T	02 45 28.9
Y54A	Tignal	87.16 42	P	P	01 09 11.0 +0.1
Z53A	Monticello	87.21 43	P	P	01 09 10.0 -1.2
251A	Midway	87.27 45	P	P	01 09 10.3 -1.2
Z54A	Sparta	87.60 43	P	P	01 09 12.7 -0.4
353A	Camilla	88.47 45	P	P	01 09 16.9 -0.3
VIG	Tifton	88.70 44	P	P	01 09 18.1 -0.2
TA6E	Valguarnera	88.81 327	LR	LR	01 54 16.4
TAMR	Tamra	91.12 331	eP	P	01 09 30.0 +0.5
DAMY	Dhamar	91.22 292	eP	P	01 09 30.7 0.0
KEST	Kesra	92.23 330	P	P	01 09 33.7 -1.1
KEST	comp=Z,19nm,1.0s,baz=33,slow=2.5,SNR=18			LR	01 55 21.5
KEST	comp=Z,267nm,18.8s,baz=308,slow=38			P	01 09 35.0 +0.3
ES19	Socoece Array	92.39 341	eP	P	01 09 34.6 -0.8
ESDC	Sonsec Array	92.44 341	P	P	01 09 34.9 -0.7
ESDC	comp=Z,3.3nm,0.9s,baz=10,slow=4.3,SNR=15			LR	01 57 12.9
ESLA	comp=Z,19.1nm,18.4s,baz=20,slow=39			LR	01 09 35.5 -0.2
THNT	Thala	92.41 330	eP	P	01 09 35.9 -0.7
RTD	Arta Tunnel	94.48 291	LR	LR	01 58 08.6
RKT	Rikitea	95.45 117	eLR	LR	01 40 36.2
MDT	Midelt	99.13 340	LR	LR	02 03 02.8
TORD	Tordi Ar. Bea	115.57 327	PKP	PKPdf	01 15 04.6 -2.6
RCBR	Riachuelo	140.06 11	PKP	PKPdf	01 15 50.5 -3.2
NVL	N'azarevskaya	147.92 204	ePKP2	PKPdf	01 16 06.9 +1.4
NVL	comp=Z,20nm,0.9s			P	01 16 12.3 -0.9
PLCA	Paso Flores	149.30 96			

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Table with columns for Station Name, Azimuth, Phase, Time, Res, and various codes. Includes station names like PETK, QSPA, KSAR, etc., and a detailed 'NIED' section at the bottom with coordinates and technical specifications.

7d 1h

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KVN Kaiserville, RYN Ryan, NV01 Mina Array Sit, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KIEV Kiev, AK11 Malin Array Si, AKH Akhalkalaki, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PRU Moravsky, KRUC Wicita Mounta, WMOK Wicita Mounta, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include OFUJ Ofunato, OFUJ Ofunato, JIO Ouri, MIYJ Miyakonagasawa, etc.

IDC 07 01:42:40.5:1.3, 35.95N:67.79E, h0km, mb3.6/4, mb1.3/6.8, mb1mx3.4/6.2, mbtmp3.5/8, ML3.2/3, Error ellipse: s-maj=26.8km s-min=19.9km az=129.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include CEP Cherat, CEP Cherat, CEP Sufi-Kurgan, SFK Karatay Array, etc.

IDC 07 02:54:15.9:2.2, 32.18N:141.57E, h0km, mb3.7/5, mb1.3/7.6, mb1mx3.4/6.6, mbtmp3.6/6, ML3.3/1, MS2.8/1, m1.2/8.1, ms1mx2.1/6.4, Error ellipse: s-maj=74.8km s-min=23.4km az=60.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include JHUJ Mitsune, JHUJ Hachiojijimas, JHUJ Hachiojijima, etc.

ISCJB 07 02:57:02.7:0.6, 41.31N:043.91E:0.03, h4km, 5km, Error ellipse: s-maj=6.4km s-min=3.5km az=156.6

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BGD Bogdanovka, BGD Bogdanovka, BGD Akhalkalaki, etc.

Table with columns: ARTV Artvin, ARTV Artvin, DAGI Agillar, DBOC Borcka, etc.

JMA 07 03:13:47.8:0.2, 37.89N:144.22E, h44km, M3.6, Off east

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include OFUJ Ofunato, OFUJ Ofunato, JIO Ouri, etc.

ISCJB 07 03:16:44.4:0.3, 31.47N:0.03:149.69E:0.08, h125km, mb4.0/22, Error ellipse: s-maj=9.5km s-min=3.5km az=166.7

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include JAOM Agashimamukai, JHUJ Mitsune, JHUJ Hachiojijima, etc.

ISCJB 07 03:16:45.0:0.8, 31.37N:140.49E, h113km, 7km, mb3.6/21, mb1.3/7.25, mb1mx3.6/6.5, mbtmp4.0/25, Error ellipse: s-maj=13.5km s-min=7.2km az=78.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include BSO1 Boso 1, BSO3 Boso 3, BSO4 Boso 4, etc.

ISCJB 07 02:54:17.8:1.0, 32.48N:0.06:141.97E:0.1, h93km, mb3.6/5, Error ellipse: s-maj=11.1km s-min=7.9km az=164.2

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include JRY Ryogami san, JYT Yasato, JAG Ashikaga, etc.

Table with columns: DPC Dobruska-Polom, DPC Dobruska-Polom, DPC Dobruska-Polom, etc.

ISCJB 07 03:27:52.5:0.3, 43.93N:0.02:7.48E:0.03, h16km, 3km, Error ellipse: s-maj=3.1km s-min=3.0km az=1.3

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include SAOF Saorge, SBF Sospel, SBF Sospel, etc.

ISCJB 07 03:27:52.4:0.2, 44.00N:0.01:7.48E:0.01, h6km, 1km, ML2.2/15

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include LUCF Luceram, LUCF Luceram, NEGI Sebarga, etc.

ISCJB 07 03:27:51.7:0.8, 43.96N:0.02:7.51E:0.02, h14km, 5km, n100, r123/144, Near south coast of France

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include QLNO Quiliano, QLNO Quiliano, QLNO Quiliano, etc.

Table with columns: SURF, 7d 3h, SAINT OURS, etc. Includes station names like La Forest Royal, Argentiere, Digne, Montbardon, etc. and associated numerical data.

Table with columns: HINF, MTLF, MTLF, etc. Includes station names like Hinterafield, Montolio, Calviac, etc. and associated numerical data.

Table with columns: BAKI, RKPI, RKPI, etc. Includes station names like Blak, Ransiki, Guam, etc. and associated numerical data.

7d 3h

2012 JUL

Table with columns for station ID, frequency, and various signal quality metrics (e.g., SNR, S/N, S/NR, S/NR=4.7, etc.).

Table with columns for station ID, frequency, and various signal quality metrics (e.g., SNR, S/N, S/NR, S/NR=4.7, etc.).

Table with columns for station ID, frequency, and various signal quality metrics (e.g., SNR, S/N, S/NR, S/NR=4.7, etc.).

Table with columns: Call Sign, Name, Frequency, Mode, and other technical details. Includes stations like LIT, ANOYIA, CONA, VILL, LKR, SIVA, KRUSIVO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other technical details. Includes stations like TIP, CUC, CEL, SEN, HAE, VAE, BNI, TSMU, YOTC, GYTB, CLTB, HELC, PRAC, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other technical details. Includes stations like MESJ, PVAQ, ANWB, PBDV, PTEO, MORF, MORF, MORF, etc.

7d 6h

Table with columns: SONM, Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SONGINO, ULAANBAATAR, KYZART, etc.

2012 JUL

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like O20A, MNTX, CCAR, etc.

300

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ALFC, PDO, LIT, SZAC, MAMC, etc.

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

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

DJA 07:07:57:30.3:0.4, 1 N:4.12:3E, h66km,6km, M4.5/10, mB4.6G, mB4.0G, Mlv4.5/10, Mw(mB)3.8/3

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details. Includes stations like KMSI, KMSI, etc.

IDC 07:08:09:29.2:15.0, 20:26S-178:06W, h561km, 117km, mB3.3G, mB1 3.5G, mB1mx3.0/4.7, mBmp4.5/6, Error ellipse: s-maj=151.0km s-min=55.4km az=86.0, Fiji Islands region

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Date, Time, and other details. Includes entries like PNCL Nicolau / Gran, PBEJ Beja, PBAR Barrancos, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Date, Time, and other details. Includes entries like J37A Redenius Farm, H39A Augusta, G40A Rib Lake, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Date, Time, and other details. Includes entries like MSU Marysvalle, SHOC Shoshone, RWWY Rawlins, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like CM01 Chiang Mai Arr, WDC Whangietown Da, CMAR Chiang Mai Arr, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like CD2 comp=Z,220nm,5.6s, CD2 comp=Z,1,1um,19.6s, CD2 comp=Z,500nm,15.2s, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like CN2 comp=Z,200nm,6.0s, CN2 comp=Z,300nm,20.0s, CN2 comp=Z,600nm,20.0s, etc.

ISCJB 07 08:22:57.2 0.4 56:10S:0'07.27W:0.1, h63km, mb4.5/19, Error ellipse: s-maj=11.2km s-min=7.5km az=23.3

NEIC 07 08:23:00.9 1.0 56:13S:27.19W, h85km, 8km, mb4.5/16, Error ellipse: s-maj=9.3km s-min=5.8km az=221.0

IDC 07 08:23:02.7 2.2 56:16S:27.20W, h100ms, 18km, mb4.0/9, Mb1 4.1/10, mb1mx3.8/36, mbtmp4.4/10, MS2.9/1, Ms1 2.9/1, ms1mx2.6/28, Error ellipse: s-maj=21.1km s-min=14.6km az=81.0

Table with columns for Code, Station Name, Az, Phase, ID, s, h, Res, ISC, Time, s, ISC. Includes stations like HOPE Hope Point, HOPE Neumayer-Stat, VNA1 Neumayer Olymp, etc.

NEIC Felt [IV] at Zapallar, [III] at Quillota and Villa Alemana and [II] at Vina del Mar. Also felt at San Antonio. SJA 07 10:52:16.7z 1.1,32.45S:71.38W,h8km:13km,ML4.4, MW4.3

ISC 07 10:52:14.7z 0.9,32.50S:0.04z 71.65W,0.05,h33km:4km,n372,σ111.383,mb4.8/83,MS3.7/8,2C-4D,Near coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase, ID, h, m, s, Res, ISC. Lists various seismic stations and their characteristics.

Table with columns: X48A, Station Name, Δ°, AZ°, Phase, ID, h, m, s, Res, ISC. Lists various seismic stations and their characteristics.

Table with columns: Station Name, Δ°, AZ°, Phase, ID, h, m, s, Res, ISC. Lists various seismic stations and their characteristics.

2012 JUL

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JWFS Jewell Farm, K39A Oelwein, L36A Harm Huss Farm, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like B34A Aery, Baudette, KVN Kaiserville, AGMN Agassiz Natl, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WRA Warramunga Arr, MKAR Makanchi Array, K39A Oelwein, etc.

PXZ	Pawanui	8.00 193	P	Pn	12 00 30.8 +0.5	
PNHZ	Pukeni	8.04 197	P	Pn	12 00 30.2 -0.7	
WPHZ	Waipukurau	8.12 195	P	Pn	12 00 30.2 +0.2	
PKPE	Pukeiti	8.14 210	P	Pn	12 00 30.0 +5.8	
TSZ	Takapari Road	8.23 198	P	Pn	12 00 32.6 -0.6	
WAZ	Wanganui	8.25 204	P	Pn	12 00 32.7 -1.0	
PRHZ	Porangahau	8.28 194	P	Pn	12 00 34.0 +0.3	
DVHZ	Dannevirke	8.41 196	P	Pn	12 00 34.8 -0.6	
ANWZ	Angora Road	8.49 194	P	Pn	12 00 36.6 +0.2	
POWZ	Post Office Ro	8.60 198	P	Pn	12 00 37.2 -0.5	
BFZ	Birch Farm	8.76 195	P	Pn	12 00 38.9 -0.7	
MRZ	Mangatainoka R	8.80 198	P	Pn	12 00 40.7 -0.8	
TIWZ	Tintock	8.93 197	P	Pn	12 00 41.0 -0.8	
HOWZ	Holdsworth Sta	9.14 198	P	Pn	12 00 42.6 -1.7	
OGWZ	Otaki Gorge	9.16 200	P	Pn	12 00 42.9 -1.7	
TMWZ	Te Maipa	9.24 196	P	Pn	12 00 44.6 -1.0	
KIW	Kapiti Island	9.29 201	P	Pn	12 00 45.0 -1.0	
MTW	Mouti Morrison	9.39 198	P	Pn	12 00 45.5 -1.9	
CAW	Cannon Point	9.46 200	P	Pn	12 00 46.3 -1.9	
DUWZ	D'Urville Isla	9.55 205	P	Pn	12 00 48.2 -1.1	
MSWZ	Moikau Station	9.69 198	P	Pn	12 00 49.4 -1.8	
TCW	Tory Channel	9.79 203	P	Pn	12 00 50.7 -1.6	
PLWZ	Palliser	9.82 201	P	Pn	12 00 51.3 -1.6	
TUWZ	Tuamarina	10.10 203	P	Pn	12 00 54.9 -1.2	
BSWZ	Blackbirch Sta	10.38 203	P	Pn	12 00 58.5 -1.0	
KHZ	Kahutara	11.12 202	P	P	12 01 06.8 -1.7	
ASAR	Alcota Springs	40.71 270	P	P	12 05 47.8 -1.4	
0.3nm,0.3s,baz=104,slow=5,SNR=8.0						
WRA	Warramunga Arr	41.87 276	P	P	12 05 57.2 -1.4	
1.5nm,0.3s,baz=114,slow=7.9,SNR=7.4						
VNDA	Vanda	46.64 185	P	P	12 06 51.3 +2.1	
0.4nm,0.3s,baz=29,slow=9.6,SNR=8.2						

DDA 07 12:03:17.0,37.19N,28.60E,h7km,Md2.7,Suspected Mining explosion.

ISCJB 07 12:03:17.1,0.5,37.18N,0.03,28.62E,0.04,h0km,Error ellipse: s-maj=4.2km s-min=3.8km az=146.1

CSEM 07 12:03:17.6,0.3,37.21N,28.63E,h1km,ML2.4,Error ellipse: s-maj=7.0km s-min=5.7km az=63.0,Suspected Mining explosion.

ISK 07 12:03:17.1,37.16N,28.63E,h8km,ML2.4/7

ISC 07 12:03:18.2,1.0,37.18N,0.02,28.63E,0.02,h0km,n29,0.059/44,Turkey

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
				Op	h m s	ISC
YER	Yerkesik	0.28 261	PG	Pg	12 03 23.1 -0.5	
YER	Yerkesik	0.28 261	SG	Sg	12 03 27.6 +0.3	
YER	Yerkesik	0.28 261	eP	eP	12 03 23.1 -0.5	
TURN	Turunc	0.31 184	SG	Sg	12 03 27.6 +0.3	
TURN	Turunc	0.31 184	SG	Sb	12 03 26.5 -0.1	
TURN	Turunc	0.31 184	iP	Pb	12 03 34.5 +2.3	
TURN	Turunc	0.31 184	iP	Sb	12 03 26.8 +0.2	
TURN	Turunc	0.31 184	eP	Sb	12 03 33.8 +1.7	
TURN	Turunc	0.31 184	iP	Pb	12 03 26.5 -0.1	
TURN	Turunc	0.31 184	iP	Sb	12 03 33.8 +1.7	
DALY	Dalyan (Mu'la	0.36 177	PG	Pg	12 03 24.3 -0.9	
DALY	Dalyan (Mu'la	0.36 177	SG	Sg	12 03 29.6 -0.3	
DALY	Dalyan (Mu'la	0.36 177	eP	Pg	12 03 24.3 -0.9	
DALY	Dalyan (Mu'la	0.36 177	eP	Sg	12 03 29.6 -0.3	
TAVA	DENIZLI_Tavas	0.36 38	iP	Pb	12 03 24.3 -0.9	
TAVA	DENIZLI_Tavas	0.36 38	P	Sg	12 03 30.2 +0.2	
TAVA	DENIZLI_Tavas	0.36 38	P	Sg	12 03 24.7 -0.5	
TAVA	DENIZLI_Tavas	0.36 38	P	Sg	12 03 30.2 +0.2	
FETY	Fethiye	0.65 146	PG	Pg	12 03 29.4 -1.3	
FETY	Fethiye	0.65 146	PG	Pg	12 03 31.2 -0.1	
FETY	Fethiye	0.65 146	eP	Pg	12 03 29.4 -1.3	
FETY	Fethiye	0.65 146	eP	Sg	12 03 31.2 -0.1	
MLSB	Milas	0.69 280	PG	Pg	12 03 31.0 -0.5	
MLSB	Milas	0.69 280	eP	Pg	12 03 31.0 -0.5	
AYDN	Tasoluk	0.77 309	iP	Pb	12 03 32.3 -0.6	
AYDN	Tasoluk	0.77 309	iP	Sb	12 03 31.7 -1.2	
AYDN	Tasoluk	0.77 309	P	Sg	12 03 32.3 -0.6	
AYDN	Tasoluk	0.77 309	P	Sg	12 03 41.7 -1.2	
DAT	Data	0.96 242	PG	Pg	12 03 35.7 -0.9	
DAT	Data	0.96 242	iP	Pb	12 03 35.5 -1.1	
DAT	Data	0.96 242	iP	Sb	12 03 48.3 -0.7	
DAT	Data	0.96 242	P	Sg	12 03 37.9 -0.9	
DAT	Data	0.96 242	P	Sg	12 03 48.3 -0.7	
AYDB	Zeytinok-Aydi	0.97 323	PG	Pg	12 03 36.3 -0.5	
AYDB	Zeytinok-Aydi	0.97 323	eP	Pg	12 03 36.3 -0.5	
ARG	Arhangelos	1.04 203	PG	Pg	12 03 37.3 -0.9	
ARG	Arhangelos	1.04 203	eP	Pg	12 03 37.3 -0.9	
BODT	Bodrum	1.06 264	PG	Pg	12 03 37.9 -0.7	
BODT	Bodrum	1.06 264	eP	Pg	12 03 37.9 -0.7	
AKAS	Kas	1.23 140	PN	Pn	12 03 40.9 -0.9	
AKAS	Kas	1.23 140	eP	Pg	12 03 40.9 -0.9	
KULA	Kula-Manisa	1.33 1	PN	Pn	12 03 42.8 -1.0	
KULA	Kula-Manisa	1.33 1	eP	Pg	12 03 42.8 -1.0	

IDC 07 12:23:48.1,0.7,48.88N,156.11E,h0km,mb3.5/9,mb1 3.8/12,mb1mx3.671,mbtmp3.5/12,ML2.4,MS2.9/10,Ms1 2.9/10,ms1mx2.7/61,Error ellipse: s-maj=27.2km s-min=14.6km az=133.0

ISCJB 07 12:23:52.6,0.5,49.06N,0.04,156.3E,0.1,h34km,mb3.5/9,MS3.1/5,Error ellipse: s-maj=10.7km s-min=4.2km az=26.4

MOS 07 12:23:52.9,0.8,49.02N,156.20E,h55km,mb4.0/3,Error ellipse: s-maj=20.0km s-min=14.1km az=75.3

KRSC 07 12:23:52.5,1.8,49.12N,156.59E,h42km,23km,ML4.5

ISC 07 12:23:53.4,0.7,49.01N,0.06,156.25E,0.08,h34km,n84,0.157/99,mb3.7/9,MS3.2/5,1C-1D,Kuril Islands

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
				Op	h m s	ISC
SKR	Severo-Kuril's	1.68 357	eP	Pn	12 24 18.4 -2.0	
SKR	Severo-Kuril's	1.68 357	eP	Sb	12 24 18.4 -2.0	
SKR	Severo-Kuril's	1.68 357	eS	Pn	12 24 18.7 -1.7	
SKR	Severo-Kuril's	1.68 357	eS	Sb	12 24 37.6 -3.1	
comp=Z,74nm,0.4s						
SKR	Severo-Kuril's	1.68 357	eS	Sb	12 24 37.6 -3.1	
comp=N,1µm,0.5s						
SKR	Severo-Kuril's	1.68 357	eS	Sb	12 24 37.6 -3.1	
comp=E,809nm,0.6s						
PAU	Pauzhetka	2.49 8	eP	Pn	12 24 31.0 -0.5	
PAU	Pauzhetka	2.49 8	eP	Sb	12 25 00.0 -0.5	
PAU	Pauzhetka	2.49 8	PN	Pn	12 24 31.0 -0.5	
PAU	Pauzhetka	2.49 8	PN	Sb	12 25 00.0 -0.5	
KDTR	Khodutka, Kamc	3.04 22	eP	Pn	12 24 38.8 -0.2	
KDTR	Khodutka, Kamc	3.04 22	eP	Sb	12 25 12.4 -1.8	
MIPR	Malaya Ipe'l'ka	3.29 5	eP	Pn	12 24 42.5 -0.0	
MIPR	Malaya Ipe'l'ka	3.29 5	eP	Sb	12 25 37.9 -2.9	
MIPR	Malaya Ipe'l'ka	3.29 5	PN	Pn	12 24 42.5 -0.0	
MIPR	Malaya Ipe'l'ka	3.29 5	PN	Sb	12 25 20.0 -0.4	
ASAK	Asacha	3.54 17	eP	Pn	12 24 46.9 +0.9	
ASAK	Asacha	3.54 17	eP	Sb	12 25 25.6 -1.1	
ASAK	Asacha	3.54 17	PN	Pn	12 24 46.9 +0.9	
ASAK	Asacha	3.54 17	PN	Sb	12 25 25.6 -1.1	
MTVR	Mutnovka	3.69 19	eP	Pn	12 24 49.2 +1.0	
MTVR	Mutnovka	3.69 19	eP	Sb	12 25 29.5 -1.0	
MTVR	Mutnovka	3.69 19	PN	Pn	12 24 49.2 +1.0	
MTVR	Mutnovka	3.69 19	PN	Sb	12 25 29.5 -1.0	
RUS	Russkaya	3.72 22	eS	Pn	12 24 48.6 +0.2	
RUS	Russkaya	3.72 22	eS	Sb	12 25 31.1 +0.1	
RUS	Russkaya	3.72 22	PN	Pn	12 24 48.6 +0.2	
RUS	Russkaya	3.72 22	PN	Sb	12 25 31.1 +0.1	
APC	Apacha	3.97 8	eP	Pn	12 24 52.5 +0.7	
APC	Apacha	3.97 8	PN	Pn	12 24 52.5 +0.7	
KRMR	Karymshinskiy	4.01 17	eP	Pn	12 25 37.4 -0.7	
KRMR	Karymshinskiy	4.01 17	eP	Sb	12 25 53.5 +1.1	
KRMR	Karymshinskiy	4.01 17	PN	Pn	12 25 37.4 -0.7	
KRMR	Karymshinskiy	4.01 17	PN	Sb	12 25 53.5 +1.1	
PETK	Petropavlovsk-baz=180,slow=12	4.21 12	PN	Pn	12 24 56.7 +1.6	
PETK	Petropavlovsk-baz=180,slow=12	4.21 12	PN	Sb	12 25 54.4 -2.6	
baz=184,slow=17						
PETK	Petropavlovsk-baz=180,slow=12	4.21 12	PN	LR	12 26 54.7	
comp=E,119nm,18.2s,baz=160,slow=43						
PET	Petropavlovsk	4.30 20	eP	Pn	12 24 57.1 +0.8	
PET	Petropavlovsk	4.30 20	eP	Sb	12 25 43.6 -1.7	
PET	Petropavlovsk	4.30 20	ePN	Pn	12 24 57.5 +1.2	
PET	Petropavlovsk	4.30 20	ePN	Sb	12 25 46.5 +1.2	
comp=Z,31nm,0.5s						
PET	Petropavlovsk	4.30 20	ePN	Pn	12 24 57.1 +0.8	
PET	Petropavlovsk	4.30 20	ePN	Sb	12 25 46.5 +1.2	
comp=Z,31nm,0.5s						
PET	Petropavlovsk	4.30 20	ePN	Pn	12 24 57.1 +0.8	
PET	Petropavlovsk	4.30 20	ePN	Sb	12 25 46.5 +1.2	

PET	comp=E,156nm,0.5s										
				smax	smax						
DALK	Daliny	4.33 20	eP	Pn	12 24 57.6 +0.8						
DALK	Daliny	4.33 20	eP	Sb	12 25 46.2 -0.2						
DALK	Daliny	4.33 20	PN	Pn	12 24 57.6 +0.8						
DALK	Daliny	4.33 20	PN	Sb	12 25 46.2 -0.2						
UGLR	Uglovaya	4.51 20	eP	Pn	12 25 01.5 +2.1						
UGLR	Uglovaya	4.51 20	PN	Pn	12 25 01.5 +2.1						
KOK	Koryaka	4.55 18	eP	Pn	12 25 00.6 +0.7						
KOK	Koryaka	4.55 18	PN	Pn	12 25 00.6 +0.7						
SDLR	Sedlovina	4.59 20	eP	Pn	12 25 01.7 +1.3						
SDLR	Sedlovina	4.59 20	PN	Pn	12 25 01.7 +1.3						
NLC	Nalytchevo	4.61 24	eP	Pn	12 25 01.3 +0.8						
NLC	Nalytchevo	4.61 24	eS	Pn	12 25 51.3 -1.5						
NLC	Nalytchevo	4.61 24	PN	Pn	12 25 01.3 +0.8						
NLC	Nalytchevo	4.61 24	PN	Sb	12 25 51.3 -1.5						
KRX	Arik	4.61 18	PN	Pn	12 25 01.8 +1.0						
KRX	Arik	4.61 18	PN	Pn	12 25 01.8 +1.0						
SPN	Mys Shipunski	4.74 29	eP	Pn	12 25 03.4 +1.0						
SPN	Mys Shipunski	4.74 29	eS	Pn	12 25 56.3 +0.2						
SPN	Mys Shipunski	4.74 29	PN	Pn	12 25 03.4 +1.0						
SPN	Mys Shipunski	4.74 29	PN	Sb	12 25 56.3 +0.2						
GAL	Ganally	4.81 12	eP	Pn	12 25 05.1 +1.6						
GAL	Ganally	4.81 12	PN	Pn	12 25 05.1 +1.6						
GNI	Ganally	4.81 12	eP	Pn	12 25 05.1 +1.6						
GNI	Ganally	4.81 12	PN	Pn	12 25 05.1 +1.6						
KII	Karymskiy	5.42 20	eP	Pn	12 25 13.5 +1.7						
KII	Karymskiy	5.42 20	PN	Pn	12 25 13.5 +1.7						
MKZ	Mys Kozlova	6.52 29	eP	Pn	12 26 37.7 -2.1						
MKZ	Mys Kozlova	6.52 29	eS	Pn	12 26 37.7 -2.1						
MKZ	Mys Kozlova	6.52 29	PN	Pn	12 26 37.7 -2.1						
MKZ	Mys Kozlova	6.52 29	PN	Sb	12 26 37.7 -2.1						
TUMR	Tumrok	6.73 19	eP	Pn	12 26 44.4 -0.8						
TUMR	Tumrok	6.73 19	eS	Pn	12 26 44.4 -0.8						
TUMR	Tumrok	6.73 19	PN	Pn	12 26 44.4 -0.8						
TUMR	Tumrok	6.73 19	PN	Sb	12 26 44.4 -0.8						
KUR	Kuril'sk	6.85 240D	PN	Pn	12 25 33.9 +2.5						
KUR	Kuril'sk	6.85 240D	PN	Pn	12 25 33.9 +2.5						
comp=Z,27nm,0.5s											
KMNR	Kamenistaya	7.19 18									

7d 12h

Table with columns: STT, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Nanjuang, Nanao, Qimei, etc.

JMA 07 12:38:35.4, 0.2, 23.10N, 121.38E, h0km, M3.1
ISCJB 07 12:38:36.4, 0.2, 23.17N, 121.04E, 0.01, h8km, 2km,
Error ellipse: s-maj=2.2km s-min=1.9km az=156.7

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

2012 JUL

Main table with columns: STT, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Hsinjuang, Suanglung, Sandimen, etc.

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Table with columns: STT, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Taipei, EGS, TWA, etc.

MAN 07 12:41:34.2, 11.79N, 124.27E, h59km, mb4.4, ML3.3, MS3.1, 1C, Leyte

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

TIR 07 12:59:08.0, 41.35N, 20.95E, h12km, Md4.2/8
IDC 07 12:59:07.5, 0.5, 41.30N, 20.83E, h0km, mb4.2/24,
mb1.4, 2/37, mb1mx4.1/70, mbtmp4.1/37, ML3.8/10,
MS3.1/16, Ms1.3.1/16, ms1mx2.9/63, Error ellipse:
s-maj=9.2km s-min=7.7km az=41.0

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

NEST Nestorio	0.92 174	P	Pg	12 59 26.5	-1.1	IGT	comp=E,7699µm,0.9s	AML	AML	13 00 11.8	ANX	Ano Chora	2.84 164	P	Pn	12 59 56.2	+1.0		
NEST Stip	1.02 691	Pg	Sg	12 59 31.6	+1.6	IGT	Igoumenitsa	1.86 194	P	Pb	12 59 43.6	-0.1	ANX	Ano Chora	2.84 164	P	Sn	13 00 31.4	+1.9
STIP Puka	1.04 313	Pg	Sn	12 59 48.7	+4.4	IGT	Igoumenitsa	1.86 194	ePn	Sb	13 00 07.2	+0.3	ANX	Divibare	2.84 346	ePn	Sn	13 00 53.4	+0.1
PUK Puka	1.04 313	Pg	Sg	12 59 28.1	-1.9	IGT	Igoumenitsa	1.86 194	S	Sg	13 00 43.3	-0.4	DIVS	Divibare	2.84 346	ePn	Sn	13 00 30.2	+0.7
PUK Zatriq	1.14 349	P	Pg	12 59 43.3	-0.3	IGT	Selova	1.89 4	ePn	Sb	13 00 07.2	+0.3	DIVS	Divibare	2.84 346	ePn	Pn	12 59 56.2	+1.0
PENT Pentalofo	1.15 172	P	Pb	12 59 29.7	-2.0	IGT	Celove	1.92 310	P	Sn	12 59 42.9	+0.4	DIVS	Divibare	2.84 346	ePn	Pn	12 59 56.2	+1.0
PENT comp=E,29985µm,0.9s	1.15 172	AML	AML	12 59 50.8	-0.9	IGT	Celove	1.92 310	P	Sg	13 00 06.9	+1.1	STON	Ston	2.85 304	ePn	Pn	13 00 30.2	+0.7
PENT comp=N,29059µm,0.9s	1.15 172	P	Pb	12 59 30.2	-1.5	IGT	THL	1.96 154	P	Sn	12 59 42.9	+0.4	STON	Ston	2.85 304	ePn	Pn	13 00 32.5	-2.8
PENT Pentalofo	1.15 172	P	Pb	12 59 31.2	+0.5	IGT	THL	1.96 154	AML	AML	13 00 10.4	-1.3	TARI	Taranto	2.85 305	iP	Pn	12 59 55.1	-0.4
PENT Pentalofo	1.15 172	P	Pb	12 59 48.2	+0.5	IGT	THL	1.96 154	AML	AML	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
GRG Griva	1.18 108	P	Pb	12 59 32.1	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
GRG comp=E,17343µm,0.9s	1.18 108	AML	AML	12 59 53.0	-2.0	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
GRG comp=N,12232µm,0.9s	1.18 108	P	Pb	12 59 31.5	-0.7	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
GRG Griva	1.18 108	P	Pb	12 59 31.5	-0.7	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
GRG Griva	1.18 108	P	Pb	12 59 31.5	-0.7	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
BCI Bajram Curri	1.21 329	iPn	Pb	12 59 31.2	-1.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
BCI Bajram Curri	1.21 329	iPn	Pb	12 59 31.2	-1.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
BCI Bajram Curri	1.21 329	iPn	Pb	12 59 31.2	-1.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KZN Kozani	1.21 148	P	Pb	12 59 31.1	-1.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KZN comp=N,9815µm,0.5s	1.21 148	AML	AML	12 59 57.0	-0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KZN comp=E,20786µm,0.7s	1.21 148	P	Pb	12 59 31.0	-1.8	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KZN Kozani	1.21 148	P	Pb	12 59 49.0	+0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KZN Kozani	1.21 148	P	Pb	12 59 31.8	-1.0	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KZN Valandovo	1.24 90	P	Pb	12 59 49.7	+0.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY VAY	1.24 90	P	Pb	12 59 49.7	+0.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY Valandovo	1.24 90	P	Pb	12 59 32.6	-0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY Valandovo	1.24 90	P	Pb	12 59 49.4	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY Valandovo	1.24 90	P	Pb	12 59 32.6	-0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY Valandovo	1.24 90	P	Pb	12 59 49.4	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY comp=N,4µm,0.7s	1.24 90	AML	AML	12 59 52.7	-0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY comp=E,4µm,0.6s	1.24 90	P	Pb	12 59 32.6	-0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VAY Valandovo	1.24 90	P	Pb	12 59 49.4	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VLO Vlor	1.38 232	iPn	Pb	12 59 35.9	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VLO Vlor	1.38 232	iPn	Pb	12 59 35.9	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VLO Vlor	1.38 232	iPn	Pb	12 59 35.9	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
VLO Vlor	1.38 232	iPn	Pb	12 59 35.9	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
ULC Ulcinj	1.40 297	iPn	Pb	12 59 34.2	-1.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
ULC Ulcinj	1.40 297	iPn	Pb	12 59 34.2	-1.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
ULC Ulcinj	1.40 297	iPn	Pb	12 59 34.2	-1.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
ULC Ulcinj	1.40 297	iPn	Pb	12 59 34.2	-1.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KPRO Kipourio	1.42 166	P	Pb	12 59 36.5	+0.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KPRO comp=N,15892µm,0.9s	1.42 166	AML	AML	13 00 05.8	-0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KPRO comp=E,18766µm,0.8s	1.42 166	P	Pb	12 59 35.5	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KPRO Kipourio	1.42 166	P	Pb	12 59 35.5	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KPRO Kipourio	1.42 166	P	Pb	12 59 35.5	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
PVY Plav	1.45 331	iPn	Pb	12 59 35.5	-0.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
PVY Plav	1.45 331	iPn	Pb	12 59 35.5	-0.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KNT Kendrikon	1.50 96	P	Pb	12 59 37.0	+0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KNT comp=E,4812µm,1.3s	1.50 96	AML	AML	13 00 02.5	-0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KNT comp=N,8860µm,0.6s	1.50 96	P	Pb	12 59 36.6	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KNT Kendrikon	1.50 96	P	Pb	12 59 36.6	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KNT Kendrikon	1.50 96	P	Pb	12 59 36.6	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
KNT Kendrikon	1.50 96	P	Pb	12 59 36.6	-0.1	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
SMRK Smrekonice	1.54 0	P	Pb	12 59 57.5	-0.6	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
DRME Dracevica, Mon	1.55 304	iPn	Pb	12 59 00.5	+1.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
DRME Dracevica, Mon	1.55 304	iPn	Pb	12 59 00.5	+1.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
DRME Dracevica, Mon	1.55 304	iPn	Pb	12 59 00.5	+1.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
DRME Dracevica, Mon	1.55 304	iPn	Pb	12 59 00.5	+1.2	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI	Taranto	2.87 255	iP	Pn	12 59 55.1	-0.4
BARS Barje	1.62 24	ePn	Pb	12 59 38.9	+0.5	IGT	THL	1.96 154	P	Pn	12 59 43.7	+0.8	TARI						

7d 12h

MLR	Muntele Rosu	5.54	40	iP	Pn	13 00 34.2 +2.0
MLR	Muntele Rosu	5.54	40	ePn	Pn	13 00 35.0 +2.8
MLR				Sn	Pn	13 01 32.3 -3.6
MLR	Muntele Rosu	5.54	40	ePn	Pn	13 00 35.0 +2.8
MLR				Sn	Pn	13 01 32.3 -3.6
APF	Apairanthos	5.56	138	iP	Pn	13 00 33.4 +0.8
APF	Apairanthos	5.56	138	eP	Pn	13 00 33.4 +0.8
APF	Apairanthos	5.56	138	ePn	Pn	13 00 33.4 +0.8
ISR	Istrita	5.58	45	iP	Pn	13 00 35.2 +2.4
DRGR					Pn	13 00 34.0 +0.9
ANKY	Antikythira Is	5.77	160	P	Pn	13 00 35.9 +1.6
ANKY	Antikythira Is	5.77	160	P	Pn	13 01 37.2 +1.9
OZLJ	Ozalj	5.83	319	ePn	Pn	13 00 37.8 +1.7
BEHE	Becsehely	5.94	331	ePn	Pn	13 00 39.4 +1.7
LTVH	L'tav'rtes,	6.09	6	ePn	Pn	13 00 38.0 -1.7
HARR	Harsova	6.14	55	iP	Pn	13 00 41.1 +0.8
FLOR	Plostinia	6.14	41	iP	Pn	13 00 42.7 +1.9
TOPAL	Topalu	6.15	56	ePn	Pn	13 00 42.6 +1.1
VRI	Vridacia	6.19	41	iP	Pn	13 00 43.6 +2.5
BUD	Budapest	6.30	348	ePn	Pn	13 00 46.0 +3.5
BUD				eSn	Pn	13 01 55.8 +1.4
CSKK	Cs'kakko	6.32	343	ePn	Pn	13 00 45.5 +2.6
CSKK				eSn	Pn	13 01 55.1 +1.1
TIRR	Tirgusor	6.33	58	iP	Pn	13 00 44.7 +1.8
TIRR	Tirgusor	6.33	58	ePn	Pn	13 00 44.2 +1.3
TIRR	Tirgusor	6.33	58	eP	Pn	13 00 44.2 +1.3
TIRR	Tirgusor	6.33	58	eP	Pn	13 00 44.2 +1.3
VAE	Vaiguarnera	6.34	235	ePn	Pn	13 00 45.6 -0.6
VAE				eSn	Pn	13 01 55.5 -0.2
CFR	Carcaliuz	6.52	51	iP	Pn	13 00 49.3 +3.7
MANI	Manisa	6.52	113	ePn	Pn	13 00 48.7 +2.6
MANI	Manisa	6.52	113	ePn	Pn	13 00 48.5 +2.6
LJU	Ljubljana	6.60	318	iPn	Pn	13 00 48.2 +1.4
LJU				iSn	Pn	13 02 05.0 +3.0
LJU					Pn	13 00 48.2 +1.4
LJU				iSn	Pn	13 02 05.0 +3.0
PSZ	Piszkesteto	6.62	354	iP	Pn	13 00 48.1 +1.0
PSZ	Piszkesteto	6.62	354	ePn	Pn	13 00 48.2 +1.1
PSZ				eSn	Pn	13 02 03.6 +1.0
PSZ	Piszkesteto	6.62	354	ePn	Pn	13 00 48.1 +1.3
PSZ	Piszkesteto	6.62	354	ePn	Pn	13 00 48.4 +1.3
PSZ	Piszkesteto	6.62	354	ePn	Pn	13 00 48.4 +1.3
IDI	Anoyia	6.79	151	Pn	Pn	13 00 49.7 +0.2
IDI				LR	LR	13 03 45.5
IDI					Pn	13 00 49.7 +0.2
SOKA	Soboth	6.82	324	iPn	Pn	13 00 51.3 +1.5
SOKA	Soboth	6.82	324	Pn	Pn	13 00 51.3 +1.5
OBKA	Obir	6.92	320	iPn	Pn	13 00 52.9 +1.7
OBKA	Obir	6.92	320	Pn	Pn	13 00 52.9 +1.7
TLCR	Bucovina Ar	6.93	54	iP	Pn	13 00 53.0 +1.8
BURAR	Bucovina Ar	6.93	25	iP	Pn	13 00 53.7 +1.6
BUR0A	Bucovina Ar	6.99	25	ePn	Pn	13 00 53.5 +1.3
BUR0A	Bucovina Ar	6.99	25	ePn	Pn	13 00 53.5 +1.3
BUR0B	Bucovina Ar	7.01	24	ePn	Pn	13 00 53.6 +1.2
BUR0B	Bucovina Ar	7.01	24	ePn	Pn	13 00 53.6 +1.2
CLTB	Callabellota	7.04	204	ePn	Pn	13 00 55.0 +2.1
CLTB	Callabellota	7.04	204	ePn	Pn	13 00 55.0 +2.1
ARSA	Arzberg	7.07	329	Pn	Pn	13 00 54.7 +1.5
ARSA				eSn	Pn	13 02 13.2 -0.2
ARSA	Arzberg	7.07	329	Pn	Pn	13 00 54.7 +1.5
ARSA				eSn	Pn	13 02 13.2 -0.2
ARSA	Arzberg	7.07	329	Pn	Pn	13 00 54.7 +1.5
ARSA				eSn	Pn	13 02 13.2 -0.2
KECS	Kecevo	7.16	358	ePn	Pn	13 00 55.1 +0.8
KECS	Kecevo	7.16	358	ePn	Pn	13 00 55.1 +0.8
KECS	Kecevo	7.16	358	ePn	Pn	13 00 55.1 +0.8
YVHS	Yyhne	7.31	349	ePn	Pn	13 00 57.6 +1.1
YVHS	Yyhne	7.31	349	ePn	Pn	13 02 15.3 -1.1
YVHS	Yyhne	7.31	349	ePn	Pn	13 00 57.6 +1.1
YVHS	Yyhne	7.31	349	ePn	Pn	13 00 57.6 +1.1
UZH	Uzhgorod	7.36	7	ePn	Pn	13 00 57.6 +0.5
UZH	Uzhgorod	7.36	7	ePn	Pn	13 00 57.6 +0.5
MYKA	Terra Mystica	7.45	318	iPn	Pn	13 00 58.8 +0.3
MYKA				eSn	Pn	13 00 58.8 +0.3
MODS	Modra-Piesok	7.50	341	ePn	Pn	13 01 00.6 +1.6
MODS	Modra-Piesok	7.50	341	ePn	Pn	13 01 00.6 +1.6
MODS	Modra-Piesok	7.50	341	ePn	Pn	13 02 21.2 -2.8
MODS	Modra-Piesok	7.50	341	ePn	Pn	13 01 00.6 +1.6
CONA	Conrad Observa	7.51	333	iPn	Pn	13 01 00.8 +1.5
CONA				eSn	Pn	13 02 27.2 +2.7
CONA	Conrad Observa	7.51	333	Pn	Pn	13 01 00.8 +1.5
CONA				eSn	Pn	13 02 27.2 +2.7
CONA	Conrad Observa	7.51	333	Pn	Pn	13 01 00.8 +1.5
CONA				eSn	Pn	13 02 27.2 +2.7
KARP	Karpatos	7.57	138	ePn	Pn	13 01 04.0 +3.9
KARP	Karpatos	7.57	138	ePn	Pn	13 01 04.0 +3.9
CRVS	Cervenica-Dubn	7.58	3	ePn	Pn	13 01 01.4 +1.3
CRVS	Cervenica-Dubn	7.58	3	ePn	Pn	13 01 01.4 +1.3
CRVS	Cervenica-Dubn	7.58	3	ePn	Pn	13 01 01.4 +1.3
SMOL	Smolenice	7.59	342	eSn	Pn	13 02 23.6 -2.7
JAVC	Velka Javorina	7.87	344	ePn	Pn	13 01 06.5 +2.4
JAVC	Velka Javorina	7.87	344	ePn	Pn	13 01 06.5 +2.4
LANS	Liptovska Anna	7.88	353	ePn	Pn	13 01 06.5 +2.2
LANS	Liptovska Anna	7.88	353	ePn	Pn	13 01 06.5 +2.2
LANS	Liptovska Anna	7.88	353	ePn	Pn	13 01 06.2 +1.4
KBA	Koelnbreinsper	7.91	319	iPn	Pn	13 01 06.2 +1.4
KBA				ePn	Pn	13 01 06.2 +1.4
KIS	Kishinev	8.02	42	ePn	Pn	13 01 15.0 +8.9
KIS				LRM	MLR	13 05 08.0
KIS	Kishinev	8.02	42	ePn	Pn	13 01 15.0 +8.9
KIS				MLR	MLR	13 05 08.0
KIS	Kishinev	8.02	42	ePn	Pn	13 01 15.0 +8.9
KIS				MLR	MLR	13 05 08.0
MOA	Molin	8.06	326	iPn	Pn	13 01 09.4 +2.6
MOA				eSn	Pn	13 02 40.0 +2.2
MOA	Molin	8.06	326	Pn	Pn	13 01 09.4 +2.6
MOA				eSn	Pn	13 02 40.0 +2.2
MOA	Molin	8.06	326	Pn	Pn	13 01 09.4 +2.6
MOA				eSn	Pn	13 02 40.0 +2.2
ABTA	Abfaltersbach	8.12	315	iPn	Pn	13 01 08.5 +0.9
ABTA				eSn	Pn	13 02 38.5 -0.9
ABTA	Abfaltersbach	8.12	315	Pn	Pn	13 01 08.5 +0.9
ABTA				eSn	Pn	13 02 38.5 -0.9
ABTA	Abfaltersbach	8.12	315	Pn	Pn	13 01 08.5 +0.9
ABTA				eSn	Pn	13 02 38.5 -0.9
VLC	Villacollemand	8.25	294	ePn	Pn	13 01 10.1 +0.7
VLC	Villacollemand	8.25	294	ePn	Pn	13 01 10.1 +0.7
KRUC	Moravsky	8.36	339	ePn	Pn	13 01 12.0 +1.2
KRUC	Moravsky	8.36	339	ePn	Pn	13 01 12.0 +1.2
VRAC	Vranov	8.53	341	Pn	Pn	13 01 13.3 0.0
VRAC				eSn	Pn	13 02 47.7 -1.8
VRAC	Vranov	8.53	341	iPn	Pn	13 01 15.1 +1.8
VRAC	Vranov	8.53	341	ePn	Pn	13 01 14.8 +1.5
OKC	Ostrava-Krasne	8.72	348	eSn	Pn	13 02 51.4 -2.6
OKC				AMS	AMS	13 05 40.0
MORC	Moravsky Berou	8.77	345	iP	Pn	13 01 17.7 +1.2
MORC	Moravsky Berou	8.77	345	ePn	Pn	13 01 17.7 +1.2
MORC	Moravsky Berou	8.77	345	ePn	Pn	13 01 17.7 +1.2
MORC	Moravsky Berou	8.77	345	ePn	Pn	13 01 18.1 +1.6
WTTA	Wattenberg	8.91	315	Pn	Pn	13 01 20.5 +1.9
WTTA				eSn	Pn	13 02 59.3 +0.3

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WTTA	Wattenberg	8.91	315	Pn	Pn	13 01 20.5 +1.9
WTTA				Sn	Sn	13 02 59.3 +0.3
WTTA	Wattenberg	8.91	315	Pn	Pn	13 01 20.5 +1.9
WTTA				Sn	Sn	13 02 59.3 +0.3
QJC	Qjcow	8.92	355	ePn	Pn	13 01 20.0 +1.5
QJC	Qjcow	8.92	355	ePn	Pn	13 01 20.0 +1.5
QJC	Qjcow	8.92	355	ePn	Pn	13 01 20.0 +1.5
QJC	Qjcow	8.92	355	ePn	Pn	13 01 20.0 +1.5
QJC	Qjcow	8.92	355	ePn	Pn	13 01 20.0 +1.5
PGF	Pioggiola	8.97	282	ePn	Pn	13 01 20.3 +1.0
PGF	Pioggiola	8.97	282	ePn	Pn	13 01 20.3 +1.0
PGF	Pioggiola	8.97	282	ePn	Pn	13 01 20.3 +1.0
PGF	Pioggiola	8.97	282	ePn	Pn	13 01 20.3 +1.0
PGF	Pioggiola	8.97	282	ePn	Pn	13 01 20.3 +1.0
WATA	Walderalm	8.99	315	iPn	Pn	13 01 22.6 +3.0
WATA				eSn	Pn	13 03 00.9 +0.1
WATA	Walderalm	8.99	315	Pn	Pn	13 01 22.6 +3.0
WATA				Sn	Sn	13 03 00.9 +0.1
WATA	Walderalm	8.99	315	Pn	Pn	13 01 22.6 +3.0
WATA				Sn	Sn	13 03 00.9 +0.1
GEAO	GERESS Array S	9.07	328	ePn	Pn	13 01 21.6 +1.0
GEAO	GERESS Array S	9.07	328	ePn	Pn	13 01 21.6 +1.0
GEAO	GERESS Array S	9.07	328	ePn	Pn	13 01 22.2 +1.4
GEAO	GERESS Array S	9.07	328	ePn	Pn	13 01 22.2 +1.4
GEAO	GERESS Array S	9.07	328	ePn	Pn	13 01 22.2 +1.4
GERES	GERESS Array S	9.08	328	ePn	Pn	13 01 21.2 +0.4
GERES				Sn	Sn	13 03 03.4 +0.5
GERES	GERESS Array S	9.08	328	ePn	Pn	13 01 21.2 +0.4
GERES				Sn	Sn	13 03 03.4 +0.5
GERES	GERESS Array S	9.08	328	ePn	Pn	13 01 21.2 +0.4
GERES				Sn	Sn	13 03 03.4 +0.5
GERES	GERESS Array S	9.08	328	ePn	Pn	13 01 21.2 +0.4
GERES				Sn	Sn	13 03 03.4 +0.5
GERES	GERESS Array S	9.08	328	ePn	Pn	13 01

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, SFAD Kangerlussuaq, DGZ Jazator, etc.

SKO 07 13:05:08.4, 41:35N:20:90E, h15km, M2.9, ML3.1
TIR 07 13:05:08.2, 41:34N:20:95E, h6km, M2.3/4
THE 07 13:05:09.6, 41:38N:20:95E, h0km, 3km, ML2.9/5, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRUS Krusevo, OHR Ohrid, BIA Bitola, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KPPO comp=E,858um,0.5s, KPPO Kipourio, KNT Kendrikon, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 07 13:06:21.7,0.8,6:50N:73:38W, BARRC Barichara, BRRC Barranca, etc.

ISCJB 07 13:06:20.7,0.5,6:59N:0:03:73:53W:0:03, h122km, 4km, mb3.9/2, Error ellipse: s-maj=5.8km s-min=4.8km az=43.1

Table with columns: PDG, Podgorica, 1.65 312, eSg, Sg, 13 16 25.9 +2.1, etc. Includes station names like Podgorica, Berane, Brajci-Budva, Kolasin, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like Yonagunijimaku, Yonaguni jima, Yonaguni jima, etc.

Table with columns: DPDB, SSBL, Sun Moon Lake, 1.74 254, P, Pn, 13 35 42.7 +0.7, etc. Includes station names like Sun Moon Lake, Fulli, Miaoili, etc.

NSP 07 13:25:50.9, 39:45N:44:75E, h7km, Ms3.2
CSEM 07 13:25:52.9, 0.4, 39:39N:44:75E, h2km, Md2.7, Error ellipse: s-maj=9.8km s-min=6.6km az=158.0

JMA 07 13:35:13.2, 0.1, 24:36N:122:70E, h82km, 2km, M1.7
TAP 07 13:35:13.2, 24:38N, 122:70E, h81km, 1km, ML3.1, C
ISC 07 13:35:13.4, 1.3, 24:38N, 0.04:122:73E, 0.02, h82km, 8km,

MAN 07 13:38:13.6, 9:35N:125:90E, h1km, mb5.6, ML4.6, MS4.9
BUJ 07 13:38:15.6, 9:61N:126:34E, h67km, mb4.9/48, mb4.9/32, Ms4.1/27, Ms7.4/0/27

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like Caldiran, Garni, Diyadin, Goris, Shabestar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like Kuro-shima, Mucha, Datong, Datong, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like Irabujima, Hsinying, Nanshi, Jiashin, etc.

SJA 07 13:35:02.4, 1.1, 33:04S:71:82W, h26km, 13km, ML3.3, MW3.7
GUC 07 13:35:06.0, 0.5, 32:79S:71:54W, h31km, 5km, ML3.3

ISC 07 13:35:05.6, 2.1, 32:58S:0:04:71:4W, 0.1, h16km, 14km, n14, <0.97/20, 1D, Near coast of central Chile

MAN 07 13:38:17.5, 1.1, 10:16N:126:6E, h39km, 9km, M5.0/20, mb4.8/20, mb5.2/10, MLV5.8/1, Mw(MB)4.7/10

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like El Roble, Peidehue, Cerro Calan, Antumapu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like Hehuan Shan, Kuangyinshan, Tachien, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like Surigao, Butuan, Maasin, Palo, Bislig, etc.

ISCJB 07 13:35:13.2, 0.4, 24:38N:0:02:122:72E:0:02, h79km, 5km, Error ellipse: s-maj=3.9km s-min=2.3km az=173.6

7d 15h

Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like SONGINO Array, ULN, PETK, CN2, MK01, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like KIV, MMAL, PETK, MA2, BRTR, BOS, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like X49A, Y46A, X52A, etc.

JMA 07 14:49:30.2,0.3,25,44N,122.71E,h233km,4km,M3,6

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

MAN 07 15:54:59,15°15'N-121°38'E,h26km,mb4.1,ML2,9,MS2.5,1D,Luzon

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

ISK 07 15:07:31.7,37°24'N-28°32'E,h9km,2km,ML2,2/4

ISCJB 07 15:07:32.6±0.7,37°26'N,0.04±0.28,28E,0.06,h0km,Error ellipse: s-maj=8.8km s-min=5.5km az=51.0 CSEM 07 15:07:32.9±0.2,37°24'N-28°26'E,h1km,ML2,2,Error ellipse: s-maj=4.0km s-min=3.1km az=48.0,Suspected Mining explosion, DDA 07 15:07:32.3,37°22'N-28°17'E,h7km,ML2.5,Suspected Mining explosion, ISC 07 15:07:32.7±1.0,37°26'N,0.03±0.28,29E,0.03,h0km,m14,0511/26,Turkey

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

ISK 07 15:10:17.9,37°25'N-28°76'E,h4km,ML2,4/9

ISCJB 07 15:10:18.7±0.4,37°24'N,0.03±0.28,77E,0.04,h10km,4km,Error ellipse: s-maj=5.1km s-min=2.9km az=27.6 CSEM 07 15:10:18.5±0.1,37°22'N-28°76'E,h10km,ML3.0,Error ellipse: s-maj=3.1km s-min=2.6km az=96.0 DDA 07 15:10:18.3,37°21'N-28°78'E,h7km,ML3.0 ISC 07 15:10:18.7±1.0,37°24'N,0.02±0.28,76E,0.03,h11km,gkm,n34,c113/49,Turkey

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

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

ISC/JB 07 15:11:43.9:0.7, 0.6LN:0.2:27.5W:0.1, h10km, mb3.9/12, MS3.8/32, Error ellipse: s-maj=31.1km s-min=11.0km az=150.0

IDC 07 15:11:44.3:0.9, 0.65N:27.57W, h0km, mb3.9/11, mb1.4/2/12, mb1mx3.8/6.4, mbtmp4.0/12, ML4.1, MS3.8/32, Ms1.3/3/22, ms1mx3.7/5.0, Error ellipse: s-maj=38.0km s-min=16.7km az=154.0

GCMT 07 15:11:52.0:0.4, 1.13N:27.67W, h18km, 1km, MW4.9/7.3, Moment Tensor Solution. s15.c16; s73.c91; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=2.46;23; Mw=0.22;1.15; Mw=2.24;1.15; Mw=1.26;1.42; Mw=0.21;0.8; Mw=0.36;2.6; Best double couple: Ms2.64500x10^12 NP1.333.00000; 655.00000; -115.00000; NP2: 0.192.00000; 6.42.00000; -59.00000; Principal axes: T 2.3190, Plg7.0000; Azm80.0000; N -2.9720, Plg68.0000; Azm188.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

ISC 07 15:11:45.8:4.0, 0.6LN:0.2:27.5W:0.2, h10km, n45, -0.673/14, mb4.0/12, MS3.8/32, Central Mid-Atlantic Ridge

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RCBR, H10N3, H10N2, etc.

CSEM 07 15:29:21.5:0.1, 3.77.16N:31.68E, h2km, ML2.5, Error ellipse: s-maj=3.9km s-min=2.9km az=40.0 DDA 07 15:29:21.2, 3.77.16N:31.72E, h7km, ML2.5 ISC 07 15:29:21.1, 3.77.15N:31.67E, h5km, ML2.7/6 ISC 15:29:21.1, 1.2, 97.16N:0.02:31.67E:0.02, h4km, 11km, n42, -0.62/61, Turkey

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

ISC/JB 07 15:32:23.8:0.4, 39.12N:0.03:29.10E:0.03, h10km, 3km, Error ellipse: s-maj=5.5km s-min=3.7km az=163.1 CSEM 07 15:32:23.8:0.1, 39.12N:29.10E, h8km, ML2.5, Error ellipse: s-maj=2.8km s-min=1.6km az=150.0 DDA 07 15:32:23.3, 39.14N:29.09E, h11km, ML2.8 ISC 07 15:32:23.6, 39.14N:29.12E, h5km, ML2.5/7 ISC 07 15:32:23.9:0.9, 39.13N:0.02:29.09E:0.02, h12km, 5km, n32, -0.640/52, Turkey

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SAA, SAA, SAA, etc.

ISC/JB 07 15:34:01.8:0.3, 7.13S:0.04:124.82E:0.05, h500km, mb3.6/14, Error ellipse: s-maj=6.4km s-min=5.2km az=17.0 IDC 07 15:34:02.7:0.1, 7.21S:124.83E, h504km, 9km, mb3.2/14, mb1.3/4/20, mb1mx3.2/5.6, mbtmp4.2/20, Error ellipse: s-maj=15.8km s-min=9.0km az=75.0 DJA 07 15:34:05.7:1.1, 7.57S:124.81E:1.2, h513km, 10km, M4.3/7, mb4.25, mb4.3/3, MLV4.4/7, MW(MB)3.4/3 ISC 07 15:34:02.3:0.5, 7.25S:124.83E:0.07, h500km, n30, -0.167/40, mb3.7/14, Banda Sea

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SPSI, TTSI, APSI, etc.

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

MEX 07 15:56:40.7:0.6, 16.90N:99.92W, h39km, 4km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AC2P, AC2P, AC2P, etc.

IDC 07 15:57:49.2:1.0, 15.40S:173.65W, h0km, mb3.7/6, mb1.4/0/6, mb1mx3.7/47, mbtmp3.7/6, MS2.7/2, Ms1.2/7/2, ms1mx2.4/46, Error ellipse: s-maj=48.5km s-min=23.1km az=136.0

ISC/JB 07 15:57:53.3:0.8, 15.45S:0.2:173.8W:0.2, h35km, mb3.6/6, MS3.2/1, Error ellipse: s-maj=37.8km s-min=10.0km

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI, AFI, AFI, etc.

IDC 07 16:08:02.4:1.2, 6.86N:90.80E, h0km, mb3.7/7, mb1.3/8/9, mb1mx3.5/6/7, mbtmp3.7/9, ML3.8/2, MS3.3/1, Ms1.3/3/1, ms1mx2.5/6/1, Error ellipse: s-maj=37.6km s-min=20.6km az=55.0

ISC 07 16:08:03.4:1.1, 6.91N:0.2:90.61E:0.09, h10km, n22, -0.62/10, mb3.7/7, Nicobar Islands region

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PALK, PALK, CMAR, etc.

DJA 07 16:17:14.1:0.3, 6.5S:2.130E:1.1, h151km, 6km, M4.3/13, mb4.3/7, mb4.9/6, MLV4.4/13, MW(MB)4.2/6, Banda Sea

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

7d 17h

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

ISCJB 07 16:26:15.3z.2.4.15.6S:0.9:174.2W:0.5, h100km, mb3.7/4, Error ellipse: s-maj=144.7km s-min=11.0km az=150.8

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

ISCJB 07 16:32:03.0z.4.0.8.16.3S:0.4:177.8W:0.2, h350km, mb3.4/8, Error ellipse: s-maj=57.2km s-min=9.4km az=158.2

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

ISCJB 07 16:32:17.6z.0.6.59.63S:0.08:151.0W:0.2, h10km, mb4.2/11, MS4.2/28, Error ellipse: s-maj=14.9km s-min=11.5km az=128.0

NEIC 07 16:32:18.3z.0.6.59.66S:151.0W:h0km, mb4.1/9, mb1 4.3/9, mb1mx4.2/35, mbtmp3.9/5, MS4.1/28, MS1 4.1/28, MS1mx4.1/34, Error ellipse: s-maj=26.9km s-min=18.0km az=12.0

NEIC 07 16:32:19.7z.0.5.59.67S:151.0W:h10km, mb4.4/2, Error ellipse: s-maj=16.3km s-min=13.3km az=190.0

GCMT 07 16:32:19.7z.0.3.59.90S:150.65W:h12km, MW4.9/72, Moment Tensor Solution. s20,c23; s72,c93; Duration: 0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SBA Scott Base, Vnda Vanda, WRA Warramunga Arr, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, AFI Afiamalu, MAW Maxwell, etc.

ISCJB 07 17:05:40.7z.0.6.4.29S:0.05:129.11E:0.07, h200km, mb3.1/1, Error ellipse: s-maj=9.5km s-min=6.3km az=178.2

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

ISCJB 07 17:05:44.3z.0.5.4.3S:0.06:129.04E:0.06, h200km, n13, s302/19, Banda Sea

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

ISCJB 07 16:33:56.8z.1.3.24.79N:127.70E:h0km, mb3.8/5, mb1 3.9/6, mb1mx3.4/64, mbtmp3.6/6, ML3.5/1, MS1.1/2, MS1 3.1/2, MS1mx2.4/63, Error ellipse: s-maj=5.16km s-min=22.7km az=76.0

JMA 07 16:33:59.7z.0.2.24.80N:127.65E, h72km, M3.2, ISC 07 16:33:59.2z.0.24.76N:0.06:127.63E:0.05, h3km, n13km, n30, r180/41, mb3.7/5, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JTT3 Tamagusuku3, JKE Kume jima 2, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BNDI Bandanaira, MSAL Masohi, etc.

ISCJB 07 17:05:44.3z.0.5.4.3S:0.06:129.04E:0.06, h200km, n13, s302/19, Banda Sea

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

ISCJB 07 17:18:25.4z.2.1.35.89N:141.15E:h0km, mb3.6/5, mb1 3.8/8, mb1mx3.5/68, mbtmp3.8/8, ML4.2/3, Error ellipse: s-maj=61.8km s-min=18.3km az=66.0

NEIC 07 17:18:34.2z.0.7.35.63N:140.51E, h52km, 7km, mb4.5/3, Error ellipse: s-maj=10.0km s-min=6.6km az=86.0

ISCJB 07 17:18:35.6z.0.5.35.54N:0.04:140.23E:0.06, h74km, 4km, mb3.8/6, Error ellipse: s-maj=9.6km s-min=5.4km az=144.9

JMA 07 17:18:35.8z.0.2.35.65N:140.20E, h67km, 2km, M3.1, ISC 07 17:18:35.8z.0.9.35.58N:0.05:140.29E:0.06, h67km, 8km, n40, r151/44, mb3.6/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JCN Nagara, JHU Itakohorinouch, etc.

ISCJB 07 17:26:55.0z.0.8.40.12N:0.04:31.86E:0.05, h0km, Error ellipse: s-maj=6.4km s-min=4.3km az=145.1

DDA 07 17:26:55.1z.40.12N:31.87E, h7km, M2.4, Suspected Mining explosion.

CSEM 07 17:26:55.3z.0.4.40.11N:31.84E, h1km, MD2.6, Error ellipse: s-maj=7.9km s-min=5.0km az=139.0, Suspected Mining explosion.

ISC 07 17:26:56.6z.40.10N:31.63E, h20km, MD2.6/2, ISC 07 17:26:55.3z.0.8.40.20N:0.03:31.75E:0.03, h0km, n16, r120/31, Turkey

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

SAHE	Sakarya_HENDEK	0.94 314	P	Pn	17 27 16.1	+0.3
SAHE			S	Sn	17 27 31.2	+1.2
BORA	Eskisehir	1.04 252	PG	Pg	17 27 15.1	-0.2
BORA	Eskisehir	1.04 252	ePg	Pg	17 27 15.1	-0.2

ISC 07 17:27:10.7, 2.3, 54°48'N, 164°27'E, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.7/3, mbtms3.4/3, Error ellipse: s-maj=133.4km s-min=32.6km az=152.0, Komandorsky Islands region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
PETK	Petropavlovsk-19	4.25	249	P	Pn	17 28 16.8	+0.1
PETK	baz=77, slow=19			S	Sn	17 29 03.8	-3.2
TXAR	Lajitas Array	67.70	71	P	P	17 30 09.8	+0.0
WRA	Warramunga Arr	78.78	209	P	P	17 39 14.6	-0.3
ASAR	Alice Springs	82.42	208	P	P	17 39 34.8	+0.3
	0.4nm, 0.8s, baz=13, slow=4.0, SNR=5.2						

ISC 07 17:58:19.3, 0.6, 44°50'S, 167°79'E, h0km, mb3.8/7, mb1 4.0/9, mb1mx3.9/44, mbtms3.9/9, ML4.2/2, MS3.4/2, Ms1 3.4/2, ms1mx2.7/39, Error ellipse: s-maj=21.0km s-min=18.2km az=39.0

NEIC 07 17:58:21.0, 0.0, 44°51'S, 167°80'E, h12km, MW4.0, ML4.5(WEL) Best double couple: NP1_φ209.00000°, δ41.00000°, λ87.00000°. NP2_φ34.00000°, δ50.00000°, λ93.00000°. Principal axes: T 0.9900, Plg5.0000, Azm328.0000°, N 0.1600, Plg2.0000°, Azm212.0000°, P -1.1500, Plg5.0000°, Azm122.0000°, After WEL.

NEIC Felt at Arrowtown, Queenstown, Te Anau and Wanaka. WEL 07 17:58:21.8, 45°52'2.16" S, 167°80'0.14" E, h12km, 2km, ML4.5/2. ISC 07 17:58:19.9, 1.3, 44°55'0.03", 167°76'0.04", h3km, 8km, n136, r1969/156, mb3.9/9, South Island

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
MSZ	Milford Sound	0.26	153	ePg	Pg	17 58 25.5	+0.7
MSZ				S	Sb	17 58 28.4	+0.2
MSZ				S	Sb	17 58 29.2	+0.7
JCZ	Jackson Bay	0.82	64	ePg	Pg	17 58 36.4	+0.6
JCZ				S	Sb	17 58 40.0	+1.6
JCZ				S	Sb	17 58 54.4	+4.2
JCZ	Jackson Bay	0.82	64	ePg	Pg	17 58 36.6	+0.8
JCZ				S	Sb	17 58 40.1	+1.1
MLZ	Mavora Lakes	0.95	165	ePg	Pg	17 58 37.2	-1.0
MLZ				S	Sb	17 58 58.8	+4.4
MLZ				S	Sb	17 58 57.0	-1.4
MLZ	Mavora Lakes	0.95	165	ePg	Pg	17 58 37.7	-0.7
MLZ	Wanaka	0.97	113	ePg	Pg	17 58 50.2	-1.0
WKZ	Wanaka	0.97	113	P	P	17 58 38.7	+0.1
WKZ				S	Sb	17 58 50.6	-0.6
DCZ	Deep Cove	1.11	203	ePg	Pg	17 58 40.0	-1.7
DCZ				S	Sb	17 58 54.6	-1.8
DCZ	Deep Cove	1.11	203	ePg	Pg	17 58 40.2	-1.7
DCZ				S	Sb	17 58 54.6	-1.8
EAZ	Earnscleugh	1.35	126	ePg	Pg	17 58 44.5	-1.1
EAZ				S	Sb	17 59 00.9	-2.6
EAZ	Earnscleugh	1.35	126	P	P	17 58 44.9	-0.7
WHZ	Wether Hill Ro	1.45	175	ePg	Pg	17 58 45.8	-1.3
WHZ				S	Sb	17 59 02.2	+0.7
WHZ	Wether Hill Ro	1.45	175	P	P	17 58 45.7	-1.3
LBZ	Lake Benmore	1.74	89	ePg	Pg	17 58 51.7	-0.7
LBZ				S	Sb	17 59 14.3	-0.3
BRZ	Lake Benmore	1.74	89	P	P	17 58 51.7	-0.7
FOZ	Fox Glacier	1.74	89	ePg	Pg	17 59 17.1	+1.3
FOZ				S	Sb	17 59 33.3	+0.9
FUZ	Fox Glacier	1.74	89	P	P	17 58 54.7	+0.1
TOZ	Tuapeka	2.00	139	ePg	Pg	17 59 26.2	+3.9
TOZ				S	Sb	17 59 40.2	+1.4
ODZ	Otauhua Downs	2.14	107	ePg	Pg	17 58 56.6	+0.0
ODZ	Otauhua Downs	2.14	107	P	P	17 58 56.4	0.0
APZ	The Paps	2.39	176	ePg	Pg	17 59 08.0	+0.9
APZ				S	Sb	17 59 33.0	-0.5
HSZ	The Paps	2.39	176	P	P	17 59 08.0	+0.9
HSZ	Highcliff Hill	2.47	127	ePg	Pg	17 59 01.6	+0.6
HSZ	Highcliff Hill	2.47	127	P	P	17 59 01.8	+0.6
RPZ	Rata Peaks	2.48	74	ePg	Pg	17 59 01.6	+0.4
RPZ				S	Sb	17 59 34.0	-2.0
RPZ	146nm, 0.3s, baz=337, slow=17, SNR=7.2						
RPZ	Rate Peaks	2.48	74	ePg	Pg	17 59 34.0	-2.0
RPZ				S	Sb	17 59 41.7	+2.0
RPZ				S	Sb	17 59 01.6	+0.4
WVZ	Waitha Valley	2.56	59	ePg	Pg	17 59 05.1	+0.3
INZ	Inchbonnie	3.18	59	P	P	17 59 11.4	+0.3
OXZ	Oxford	3.29	72	ePg	Pg	17 59 10.8	-1.4
OXZ	Oxford	3.29	72	P	P	17 59 11.2	-1.0
EYZZ	Eyrewell	3.47	74	P	P	17 59 14.3	-0.5
MQZ	McQueen's Vall	3.60	80	ePg	Pg	17 59 15.8	-0.8
MQZ	McQueen's Vall	3.60	80	P	P	17 59 15.7	-0.8
LTZ	Lake Taylor	3.67	65	ePg	Pg	17 59 16.9	-0.6
LTZ	Lake Taylor	3.67	65	P	P	17 59 17.0	-0.6
KCZ	Akaroa Harbour	3.75	63	ePg	Pg	17 59 18.3	+0.3
KCZ				S	Sb	17 59 20.7	+0.2
DSZ	Denniston Nort	4.01	49	ePg	Pg	17 59 21.5	+0.6
DSZ				Lg	Lg	18 00 43.3	+0.3
DSZ	Denniston Nort	4.01	49	P	P	17 59 21.5	+0.6
THZ	Topohouse	4.62	56	ePg	Pg	17 59 30.2	-0.4
THZ				S	Sb	18 00 22.9	-2.0
THZ	Topohouse	4.62	56	P	P	17 59 30.2	-0.4
KHZ	Kahutara	4.67	66	ePg	Pg	17 59 31.6	+0.3
KHZ	Kahutara	4.67	66	P	P	17 59 31.7	+0.3
QRZ	Quartz Range	5.05	46	ePg	Pg	17 59 35.7	-0.7
QRZ				Lg	Lg	18 01 11.2	+0.7
QRZ	Quartz Range	5.05	46	P	P	17 59 35.9	-0.5
NNZ	Nelson	5.24	54	ePg	Pg	17 59 38.9	-0.2
NNZ	Nelson	5.24	54	P	P	17 59 39.0	-0.1
BSWZ	Blackbirch Sta	5.24	61	ePg	Pg	17 59 41.7	+2.5
CMWZ	Cape Campbell	5.44	63	ePg	Pg	17 59 46.4	+4.6
TUWZ	Tuamarina	5.45	59	ePg	Pg	17 59 47.3	+1.9
TUWZ				S	Sb	18 00 54.5	-6.8
TUWZ	Tuamarina	5.45	59	P	P	17 59 48.8	+1.9
TCW	Tory Channel	5.78	58	ePg	Pg	17 59 48.4	+2.0
TCW				S	Sb	18 00 22.9	-2.0
DUWZ	D'Urville Isla	5.82	53	ePg	Pg	17 59 47.3	+0.2
DUWZ				S	Sb	18 01 05.1	+6.8
DUWZ	D'Urville Isla	5.82	53	P	P	17 59 47.3	+0.2
SNZ	South Karori	5.99	61	ePg	Pg	17 59 49.8	+0.5
MSWZ	Mokau Station	6.28	64	ePg	Pg	17 59 54.0	+0.7
CAW	Cannon Point	6.33	61	ePg	Pg	17 59 53.3	-0.7
CAW				S	Sb	18 01 02.5	-6.8
CAW	Cannon Point	6.33	61	P	P	17 59 53.3	-0.7
KIW	Kapiti Island	6.37	58	ePg	Pg	17 59 55.0	+0.4
KIW	Kapiti Island	6.37	58	P	P	17 59 55.3	+0.7
OGWZ	Otaki Gorge	6.56	69	ePg	Pg	17 59 57.0	-1.1
MTW	Mount Morrison	6.57	63	ePg	Pg	17 59 58.1	+0.7
HOWZ	Holdsword Sta	6.72	61	ePg	Pg	17 59 58.8	+0.7
NMZ	Namu Rora	6.79	54	ePg	Pg	18 00 02.3	+2.0
NMZ	Mangatainoka R	6.90	59	ePg	Pg	18 00 07.1	-1.1
MRZ	Mangatainoka R	6.90	59	P	P	18 00 07.1	-1.1
KHEZ	Kahui Hut	6.95	44	ePg	Pg	18 00 02.3	-0.3
KHEZ	Kahui Hut	6.95	44	P	P	18 00 02.4	-0.2
PREZ	Palmer Road	6.98	45	ePg	Pg	18 00 03.3	+0.3
NEZ	North Egmont	7.01	45	ePg	Pg	18 00 03.2	-0.2
PREZ	Pukeiti	7.01	44	ePg	Pg	18 00 03.0	-0.3
PKZ	Pukeiti	7.01	44	P	P	18 00 03.1	-0.3
LKEZ	Lake Rotokare	7.02	47	ePg	Pg	18 00 05.3	+1.8
WAZ	Wanganui	7.13	51	ePg	Pg	18 00 06.5	+1.5
WAZ	Wanganui	7.13	51	P	P	18 00 07.2	+2.2
BFZ	Birch Farm	7.31	62	ePg	Pg	18 00 07.4	+0.3
VRZ	Vera Road	7.46	47	ePg	Pg	18 00 09.8	+0.0
VRZ	Vera Road	7.46	47	P	P	18 00 09.7	-0.4
PKVZ	Pokaka	7.65	50	ePg	Pg	18 00 13.5	+1.2
WNVZ	Whianoa	7.72	52	ePg	Pg	18 00 16.5	+2.6
WHVZ	Whangape Hut	7.79	51	ePg	Pg	18 00 15.4	+1.1

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
HIZ	Haititi	7.97	44	ePg	Pn	18 00 17.2	+0.7
BLZ	Black Stump Fm	8.39	54	ePg	Pn	18 00 22.8	+0.5
TKZ	Tolley Road	8.45	46	ePg	Pn	18 00 28.8	-0.4
TOZ	Tahuroa Road	8.86	44	ePg	Pn	18 00 30.3	+1.1
URZ	Urewera	9.39	52	Pn	Pn	18 00 36.1	+0.6
	1.0nm, 0.3s, baz=257, slow=5.4, SNR=7.8						
URZ	0.3nm, 0.3s, baz=94, slow=1.9, SNR=2.5						
WCZ	Waipau Caves	9.87	33	ePg	Pn	18 00 42.5	-0.1
OUZ	Omahuta	10.28	28	ePg	Pn	18 00 58.0	+0.2
TAU	Tasmania Univ	14.27	289	ePg	Pn	18 01 50.3	+0.6
VNDA	Vanda	33.27	182	P	P	18 04 58.0	+0.1
	0.9nm, 0.9s, baz=8.1, slow=7.1, SNR=2.3						
VNDA	Vanda	33.27	182	ePg	P	18 04 58.3	+0.4
AS31	Alice Springs	34.52	296	ePg	P	18 05 09.9	+0.5
ASAR	Alice Springs	34.52	296	P	P	18 05 10.2	+0.7
	0.5nm, 0.6s, baz=129, slow=8.0, SNR=15						
ASAR				PcP	PcP	18 07 43.6	-0.8
	1.2nm, 0.6s, baz=129, slow=4.0, SNR=20						
HNR	Honiara	35.54	347	ePg	P	18 05 18.6	+0.5
WB2	Warramunga Arr	36.96	301	ePg	P	18 05 30.5	+0.2
WR1	Warramunga Arr	36.96	300	ePg	P	18 05 30.7	+0.3
WR1				PcP	PcP	18 07 51.1	-0.5
WRA	Warramunga Arr	36.96	300	ePg	P	18 05 30.7	+0.3
	1.3nm, 0.6s, baz=134, slow=8.0, SNR=25						
WRA				PcP	PcP	18 07 51.1	-0.5
	0.7nm, 0.9s, baz=134, slow=3.0, SNR=9.7						
NWAO	Narogin (SRO)	40.49	269	ePg	P	18 05 59.3	-0.6
H01W1	Cape Leeuwin H	41.69	264	T	T	18 50 27.8	
	baz=121, slow=75, SNR=15						
H01W2	Cape Leeuwin H	41.69	264	T	T	18 50 27.3	
	baz=121, slow=75, SNR=15						
H01W3	Cape Leeuwin H	41.71	264	T	T	18 50 28.8	
	baz=121, slow=75, SNR=15						
FITZ	Fitzroy Crossi	43.88	293	ePg	P	18 06 28.3	+0.7
	0.8nm, 0.5s, baz=133, slow=6.9, SNR=5.9						
FITZ	Fitzroy Crossi	43.88	293	ePg	P	18 06 26.8	-0.8
MTN	Mannton Dam	44.38	304	ePg	P	18 06 31.4	-0.2
QSPA	South Pole Qui	45.68	180	ePg	P	18 06 42.5	+0.8
	0.5nm, 1.1s, baz=18, slow=2.8, SNR=6.3						
QSPA				LR	LR	18 23 50.9	
	comp=Z, 50nm, 19.2s, baz=232, slow=34						
WAKE	Wake Island	63.42	359	ePg	P	18 08 52.2	+1.5
PMSA	Palmer Station	63.65	158	ePg	P	18 08 54.7	+1.6
	0.2nm, 0.4s, baz=307, slow=19.3, SNR=7.1						
SNA	Sanae	64.05	183	ePg	P	18 0	

7d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like MK01 Makanchi Array, SONA0 Songino Array, etc.

NNC 07 18:17:49.9,1.4,38.333N,70.29E,h0km,mb4.0,mpv3.6, Error ellipse: s-maj=10.9km s-min=9.0km az=62.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like SFC Sufi-Kurgan, MNAS Manas, etc.

MEX 07 18:23:07.0,0.4,16.23N,98.23W,h9km,mb4.8,MD3.8,Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like PNIG Pinotepa, TLIG Tiapa, etc.

MAN 07 18:25:40.7,10.02N,125.88E,h29km,mb4.8,ML3.7,MS3.6,Leyte

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like SCPH Surigao, MSLP Maasin, etc.

GUC 07 19:03:00.5,0.5,27.96S,69.55W,h127km,5km,ML3.8,MW3.5

ISC/B 07 19:03:01.8,0.7,28.00S,0.0,4,69.57W,0.0,6,h111km,8km,mb3.4/1, Error ellipse: s-maj=8.0km s-min=5.9km az=3.0

ISC 07 19:03:02.5,0.9,27.99S,0.0,4,69.58W,0.0,5,h107km,8km,n17,az1505/27,3C,Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like G003 Copiap, CPCH Copiap, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like WRA Warramunga Arr, KURBB Kurchatov Arr, etc.

MAN 07 19:09:51.3,9.72N,125.93E,h11km,mb4.6,ML3.5,MS3.4,Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like SCPH Surigao, BUTP Butuan, etc.

MAN 07 19:26:08.6,10.57N,126.34E,h22km,mb4.6,ML3.5,MS3.3,Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like SCPH Surigao, BART Borongan, etc.

CSEM 07 19:32:33.0,37.54N,24.61W,h15km,ML3.2 PDA 07 19:32:33.0,0.8,37.54N,24.61W,h15km,MD3.7,ML3.2,5C, Error ellipse: s-maj=5.7km s-min=2.0km az=71.0, Azores Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like BART Pico Bartolome, PSMN Pico do Norte, etc.

MAN 07 20:02:34.8,16.17N,119.75E,h14km,mb4.7,ML3.6,MS3.5,Luzon

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like BOLP Bolinao, SCZP Santa Cruz, etc.

NIED 07 20:03:00.45,60N,151.50E,h14km,Mw3.5 Best double couple: Mo=1.97000x10^14 NP1=29.00000, 849.00000, 7.60.00000, NP2=250.00000, 849.00000, 1.19.00000

JMA 07 20:03:40.3,6.45,62N,151.51E,h30km,ML3.8 SKHL 07 20:03:41.5,6.44,96N,151.66E,h38km,mb4.2/3

ISC 07 20:03:43.6,4.0,44.93N,0.1,151.6E,0.2,h36km,n21,az127/33,East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like KUR Kuril'sk, KUR 39nm,0.3s, etc.

MEX 07 19:33:28.7,0.5,18.19N,103.35W,h63km,4km,MD3.9,Near coast of Michoacan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like MMIG Aquila, R15V Chamela, etc.

ISC/B 07 19:54:15.2,0.9,31.91N,0.06,71.87E,0.08,h33km,mb3.3,MS3.1/2, Error ellipse: s-maj=1.2km s-min=5.7km az=141.0

ISC 07 19:54:15.4,2.9,31.96N,72.89E,h0km,mb3.4/5,mb1.3/8,mb1mx3.3/73,mbmp3.4/8,ML2.3,MS3.1/2,Ms1.3/12,ms1mx2.3/56, Error ellipse: s-maj=8.46km s-min=19.0km az=76.0

NDI 07 19:54:21.3,4.3,32.54N,70.33E,h0km,mb4.2,mpv3.9 NNC 07 19:54:21.3,4.3,32.54N,70.33E,h0km,mb4.2,mpv3.9, Error ellipse: s-maj=74.6km s-min=33.5km az=102.0

ISC 07 19:54:16.5,1.1,31.87N,0.06,71.8E,0.1,h35km,n19, Error ellipse: s-maj=4.2km s-min=3.5km az=82.0

283/26,mb3.4/5,2C-4D,Pakistan 326

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like DHARM DHRM, SMLA Simla, etc.

MAN 07 20:02:34.8,16.17N,119.75E,h14km,mb4.7,ML3.6,MS3.5,Luzon

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like BOLP Bolinao, SCZP Santa Cruz, etc.

NIED 07 20:03:00.45,60N,151.50E,h14km,Mw3.5 Best double couple: Mo=1.97000x10^14 NP1=29.00000, 849.00000, 7.60.00000, NP2=250.00000, 849.00000, 1.19.00000

JMA 07 20:03:40.3,6.45,62N,151.51E,h30km,ML3.8 SKHL 07 20:03:41.5,6.44,96N,151.66E,h38km,mb4.2/3

ISC 07 20:03:43.6,4.0,44.93N,0.1,151.6E,0.2,h36km,n21,az127/33,East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like KUR Kuril'sk, KUR 39nm,0.3s, etc.

MEX 07 19:33:28.7,0.5,18.19N,103.35W,h63km,4km,MD3.9,Near coast of Michoacan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like MMIG Aquila, R15V Chamela, etc.

ISC/B 07 19:54:15.2,0.9,31.91N,0.06,71.87E,0.08,h33km,mb3.3,MS3.1/2, Error ellipse: s-maj=1.2km s-min=5.7km az=141.0

ISC 07 19:54:15.4,2.9,31.96N,72.89E,h0km,mb3.4/5,mb1.3/8,mb1mx3.3/73,mbmp3.4/8,ML2.3,MS3.1/2,Ms1.3/12,ms1mx2.3/56, Error ellipse: s-maj=8.46km s-min=19.0km az=76.0

NDI 07 19:54:21.3,4.3,32.54N,70.33E,h0km,mb4.2,mpv3.9 NNC 07 19:54:21.3,4.3,32.54N,70.33E,h0km,mb4.2,mpv3.9, Error ellipse: s-maj=74.6km s-min=33.5km az=102.0

ISC 07 19:54:16.5,1.1,31.87N,0.06,71.8E,0.1,h35km,n19, Error ellipse: s-maj=4.2km s-min=3.5km az=82.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like BITLIS_Adilcev, Tutak, Karacoban, Hanur-Agry, Gevas, etc.

DDA 07 20:27:33.5, 39:11N-29:03E, h10km, M12.7
ISK 07 20:27:33.9, 39:12N-29:07E, h7km, ML2.4/6
ISCJB 07 20:27:34.1, 0.4, 39:08N-0.04-29:03E, 0.03, h10km, 2km,
Error ellipse: s-maj=6.2km s-min=3.6km az=174.8
CSEM 07 20:27:34.0, 0.1, 39:10N-29:04E, h8km, ML2.4, Error
ellipse: s-maj=2.3km s-min=1.7km az=168.0
ISC 07 20:27:34.1, 0.8, 39:10N-0.03-29:03E, 0.02, h11km, 4km,
n36, a032/56, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like Simav-Kutahya, Saphane-Kutahya, Demirci, Gediz, Tavasani, Kula-Manisa, etc.

ISCJB 07 20:32:24.2, 0.6, 59:67S-0.09:150W, 7.0, 2, h10km,
mb4.5/8, MS4.5/23, Error ellipse: s-maj=18.0km
s-min=11.7km az=156.4
IDC 07 20:32:25.2, 1.2, 59.72S:150.76W, h0km, mb4.0/4,
mb1.4/2.4, mb1mx3.9/36, mbmp4.0/4, MS4.4/23,
Ms1.4/23, ms1mx4.3/36, Error ellipse: s-maj=47.0km
s-min=27.8km az=47.0
NEIC 07 20:32:26.8, 0.4, 59:52S:150:67W, h10km, mb5.0/5, Error
ellipse: s-maj=15.9km s-min=14.8km az=82.0
GCMT 07 20:32:26.8, 0.2, 59:84S:150:33W, h26km, 1km, MW5.1/92,
Moment Tensor Solution, s40, c49; s92, c137; Duration:
0 Moment tensor: Scale 10^19Nm; Mir-0.31:19;
Mw3.65±.18; Mw3-3.35±.14; Mw3-3.75±.12;
Mw2.43±.32; Best double couple: Mo5.734000/1016
NP1=202.000000, 687.000000, -154.000000. NP2:
0±11.000000, 364.000000, -3.000000. Principal axes: T
5.7700, P1g16.0000, Azm334.0000; N -0.0800,
P1g63.0000, Azm208.0000; P -5.6980, P1g20.0000;
Azm170.0000; nst21 refers to body waves, cutoff=40s.
nst22 refers to surface waves, cutoff=50s.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like Scott Base, Vanda, Urewera, South Pole, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like Tubuai, Palmer Station, Rikitea, Rarotonga, Taravao, etc.

JSN 07 20:32:28.6, 2.2, 18:68N:70:51W, h0km, 99gkm
ISCJB 07 20:32:32.35, 1.0, 5, 18:25N:01:71W, h16km, 3km,
mb5.1/512, MS4.4/44, Error ellipse: s-maj=2.5km
s-min=1.6km az=28.9
MOS 07 20:32:37.3, 0.8, 18:24N:71:18W, h31km, mb5.3/85,
MS4.6/7, Error ellipse: s-maj=5.5km s-min=4.1km
az=102.9
GCMT 07 20:32:38.2, 0.3, 18:28N:71:13W, h34km, 1km, MW5.0/94,
Moment Tensor Solution, s36, c48; s94, c138; Duration:
0 Moment tensor: Scale 10^19Nm; Mir-3.6±.20;
Azm192.0000; N 1.1610, P1g1.0000, Azm1.6±.09;
Mw-0.2±.13; Best double couple: Mo3.919000/1016
NP1=94.000000, 661.000000, 181.000000. NP2:
0±291.000000, 630.000000, 105.000000. Principal axes:
T 2.9280, P1g73.0000, Azm343.0000; N 1.9910,
P1g8.0000, Azm98.0000; P -4.9090, P1g15.0000;
Azm190.0000; nst1 refers to body waves, cutoff=40s.
nst22 refers to surface waves, cutoff=50s.

NEIC 07 20:32:38.2, 0.4, 18:24N:71:14W, h27km, 3km, mb5.1/299
Error ellipse: s-maj=2.2km s-min=1.4km az=201.0
NEIC Felt [I] at Barahona, [II] at Santiago and Santo Domingo
and [III] at San Cristobal. Also felt at Azua, Constanza,
A. O. Moment tensor: Scale 10^19Nm; Mir-3.6±.20;
Azm192.0000; N 1.1610, P1g1.0000, Azm1.6±.09;
Mw-0.2±.13; Best double couple: Mo3.919000/1016
NP1=94.000000, 661.000000, 181.000000. NP2:
0±291.000000, 630.000000, 105.000000. Principal axes:
T 2.9280, P1g73.0000, Azm343.0000; N 1.9910,
P1g8.0000, Azm98.0000; P -4.9090, P1g15.0000;
Azm190.0000; nst1 refers to body waves, cutoff=40s.
nst22 refers to surface waves, cutoff=50s.

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

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s ISC. Includes stations like San Juan, San Juan de los Rios, etc.

7d 20h

Table with columns: Call ID, Name, Frequency, Power, Modulation, Bandwidth, SNR, and other technical details. Includes entries like 656A Willston, 656B Willston, BBSR BB Station, etc.

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Table with columns: Call ID, Name, Frequency, Power, Modulation, Bandwidth, SNR, and other technical details. Includes entries like 250A Grady, NCAT North Carolina, Y52A Libburn, etc.

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Table with columns: Call ID, Name, Frequency, Power, Modulation, Bandwidth, SNR, and other technical details. Includes entries like 445A Amite, SWET Sewanee, 345A Libburn, etc.

Y44A	Strider, Charl	23.17 316	P	P	20 37 42.9 +0.5	comp=Z,120nm,0.8s	S45A	Carrier Mills	24.69 325	P	P	20 37 57.8 +1.0	WVL	Waterville	26.31 2	eP	P	20 38 14.5 +3.2
342A	Flagon Creek P	23.22 308	P	P	20 37 44.0 +1.0	baz=137,SNR=19	Y41A	Eglette Beard	24.74 313	P	P	20 37 58.4 +1.1	U40A	Yellville	26.34 318	P	P	20 38 12.2 +0.4
342A	Flagon Creek P	23.22 308	eP	P	20 37 44.4 +1.4	comp=Z,120nm,0.8s	N50A	Nevada	24.75 338	P	P	20 37 57.9 +0.6	R42A	Luebberding	26.35 323	P	P	20 38 12.5 +0.6
143A	Socs Landing,	23.25 312	P	P	20 37 44.0 +0.7	baz=152	140A	Cam and Jess,	24.77 310	P	P	20 37 58.6 +1.0	ELFO	Elginfield	26.36 343	P	P	20 38 13.9 +2.0
143A	Socs Landing,	23.25 312	eP	P	20 37 43.4 +0.2	baz=120,SNR=5.5	140A	Cam and Jess,	24.77 310	eP	P	20 37 58.9 +1.3	DRCO	St. Marys Ceme	26.37 348	P	P	20 38 12.1 +0.1
541A	Lake Charles	23.28 305	eP	P	20 37 44.6 +1.0	comp=Z,105nm,1.0s	BLO	Bloomington	24.80 331	eP	P	20 37 56.0 -1.8	ACTO	Acton	26.42 345	P	P	20 38 13.1 +0.1
W45A	Hickory Valley	23.28 320	P	P	20 37 43.8 +0.2	comp=Z,28nm,0.8s	BLO	Bloomington	24.80 331	eP	P	20 37 56.0 -1.8	S41A	Jillco Farms,	26.44 321	P	P	20 38 13.1 +0.5
S48A	Wiedeman Farm,	23.38 329	P	P	20 37 44.6 +0.1	comp=Z,28nm,0.8s	BLO	Bloomington	24.80 331	eP	P	20 37 56.0 -1.8	CCM	Cathedral Cave	26.45 322	P	P	20 38 13.9 +1.2
T47A	Sharon Grove	23.40 326	P	P	20 37 44.7 0.0	comp=Z,28nm,0.8s	W42A	Bald Knob	24.82 317	P	P	20 37 58.4 +0.3	CCM	Cathedral Cave	26.45 322	eP	P	20 38 13.7 +0.9
T47A	Sharon Grove	23.40 326	eP	P	20 37 44.4 -0.3	baz=128	U43A	Benton	24.83 321	P	P	20 37 58.5 +0.5	CCM	Cathedral Cave	26.45 322	eP	P	20 38 13.7 +0.9
Z43A	Armstrong Farm	23.42 314	P	P	20 37 45.7 +0.7	baz=132,SNR=18	T44A	Benton	24.84 323	P	P	20 37 58.6 +0.5	CCM	Cathedral Cave	26.45 322	eP	P	20 38 13.7 +0.9
242A	Grayson	23.44 310	P	P	20 37 46.2 +1.0	baz=134	P47A	Martinsville	24.93 331	P	P	20 37 59.7 +0.7	LONY	Lake Ozonia	26.49 354	P	P	20 38 14.4 +1.3
X44A	Crenshaw	23.46 317	P	P	20 37 45.7 +0.4	baz=144	Z40A	Long Farm, Mag	24.96 311	P	P	20 38 00.3 +1.1	LONY	Lake Ozonia	26.49 354	eP	P	20 38 13.2 +0.1
U46A	Springville	23.52 324	P	P	20 37 46.4 +0.4	baz=122,SNR=7.7	R45A	Skyler, Fairri	24.99 327	P	P	20 38 00.1 +0.6	O44A	Mansfield	26.50 329	P	P	20 38 13.6 +0.4
V45A	Humboldt	23.54 321	P	P	20 37 46.3 +0.2	baz=135,SNR=27	ERPA	Erie	25.00 344	eP	P	20 37 57.7 -1.9	PKRO	Pickering	26.54 347	P	P	20 38 14.1 +0.7
142A	Monroe	23.55 311	P	P	20 37 47.2 +1.0	comp=Z,146nm,1.5s	X41A	Kaden, Bauxite	25.02 315	P	P	20 38 00.0 +0.2	M46A	Old House Field	26.54 334	P	P	20 38 14.7 +1.1
441A	DeRidder	23.58 306	P	P	20 37 48.0 +1.4	baz=155	UALR	University of	25.07 315	eP	P	20 38 00.2 -0.1	M46A	Old House Field	26.54 334	eP	P	20 38 13.9 +0.3
KSPA	Keystone Colle	23.61 351	eP	P	20 37 47.7 +0.9	comp=Z,52nm,1.4s	SIUC	Southern Illin	25.07 324	eP	P	20 38 01.0 +0.8	V39A	Pettigrew	26.55 316	P	P	20 38 14.7 +0.9
Y43A	Makayla and Ka	23.61 315	P	P	20 37 48.0 +1.2	comp=Z,138nm,0.8s	V42A	Compton	25.07 318	P	P	20 38 01.1 +0.8	N45A	Kentland	26.59 331	P	P	20 38 14.7 +0.7
BRYW	Bryant College	23.64 359	eP	P	20 37 48.8 -0.2	comp=Z,129,SNR=55	344A	Carbondale	25.07 324	P	P	20 38 01.2 +1.0	EMMW	East Machias	26.61 6	eP	P	20 38 15.7 +1.6
W44A	Shelby Farms P	23.66 319	P	P	20 37 48.4 +1.1	baz=136,SNR=40	Q46A	O.E.S Indians,	25.08 329	P	P	20 38 01.3 +1.0	T40A	Mansfield	26.62 319	P	P	20 38 15.2 +0.8
MET	Memphis-Engin	23.72 319	eP	P	20 37 49.0 +1.1	baz=141	MMNV	Mt. Morris Dam	25.11 348	eP	P	20 38 00.6 0.0	P43A	Skaggs, Pawnee	26.64 327	P	P	20 38 14.8 +0.4
S47A	Hartford	23.74 328	P	P	20 37 48.5 +0.5	comp=Z,74nm,1.1s	PBMO	Poplar Bluff	25.16 321	eP	P	20 38 00.7 +0.1	Q42A	Golden Eagle	26.65 325	P	P	20 38 15.3 +0.8
341A	Kurthwood	23.84 307	P	P	20 37 49.2 +0.2	comp=Z,156nm,1.4s	NATX	Nacogdoches	25.11 307	P	P	20 38 02.1 +0.9	R41A	Golden Eagle	26.70 323	P	P	20 38 15.4 +0.4
341A	Kurthwood	23.84 307	eP	P	20 37 49.7 +0.7	baz=117	NATX	Nacogdoches	25.16 307	eP	P	20 38 02.5 +1.3	U39A	Green Forest	26.76 317	P	P	20 38 16.2 +0.6
U45A	Rockin P Farm,	23.84 323	P	P	20 37 49.4 +0.4	comp=Z,161nm,1.3s	FFD	Franklin Falls	25.19 359	eP	P	20 38 02.0 +0.8	DELO	Delortline	26.79 350	P	P	20 38 14.9 -0.9
T46A	Princeton	23.86 325	P	P	20 37 49.5 +0.3	comp=Z,46nm,0.6s	ACCN	Adirondack Cos	25.19 356	eP	P	20 38 01.9 +0.7	N44A	Piper City	26.79 331	P	P	20 38 16.6 +0.4
R48A	Northridge Ran	23.88 330	P	P	20 37 49.9 +0.6	comp=Z,69nm,1.4s	OLIL	Olney	25.23 328	eP	P	20 38 02.0 +0.3	S40A	Lebanon	26.90 320	P	P	20 38 17.2 +0.4
HALT	Halls	23.88 321	eP	P	20 37 50.0 +0.6	comp=Z,86nm,0.9s	X40A	Basin Creek Fa	25.23 314	P	P	20 38 02.7 +1.0	M45A	Boilermakers S	26.91 333	P	P	20 38 17.6 +0.8
UTMT	University of	23.90 323	eP	P	20 37 49.9 +0.4	baz=124,SNR=50	X40A	Basin Creek Fa	25.23 314	eP	P	20 38 02.2 +0.5	HHAR	Hobbs	27.00 316	eP	P	20 38 18.4 +0.6
N54A	Moraine State	23.92 343	P	P	20 37 50.3 +0.6	comp=Z,80nm,1.2s	T43A	Greenville	25.24 322	P	P	20 38 02.2 +0.4	O43A	Sugar Creek Fa	27.02 328	P	P	20 38 18.2 +0.4
N54A	Moraine State	23.92 343	eP	P	20 37 49.0 -0.7	baz=133,SNR=69	W41B	Gary Mavity, V	25.24 316	P	P	20 38 02.6 +0.8	PKME	Peaks-Kenny Pk	27.02 3	P	P	20 38 18.5 +0.7
WCI	Wyandotte Cave	23.94 330	eP	P	20 37 50.6 +0.6	baz=140,SNR=63	W41B	Gary Mavity, V	25.24 316	eP	P	20 38 02.5 +0.8	PKME	Peaks-Kenny Pk	27.02 3	eP	P	20 38 17.8 0.0
WCI	Wyandotte Cave	23.94 330	eP	P	20 37 50.2 +0.3	comp=Z,49nm,0.9s	U42A	Reverend	25.32 320	P	P	20 38 02.9 +0.4	P42A	Winchester	27.03 326	P	P	20 38 18.1 +0.1
WCI	Wyandotte Cave	23.94 330	eP	P	20 37 50.3 +0.3	baz=130,SNR=63	WHAR	Wooly Hollow	25.33 316	eP	P	20 38 03.3 +0.6	P42A	Winchester	27.03 326	eP	P	20 38 17.6 -0.3
Z42A	Norrei Spur, H	23.94 313	P	P	20 37 50.7 +0.7	comp=Z,129nm,1.4s	HKT	Hockley	25.34 302	eP	P	20 38 03.2 +0.5	435B	Jarrell	27.05 303	eP	P	20 38 18.2 -0.1
X43A	Marvell	23.95 317	P	P	20 37 51.0 +1.0	comp=Z,69nm,1.4s	HKT	Hockley	25.34 302	eP	P	20 38 03.2 +0.5	435B	Jarrell	27.05 303	eP	P	20 38 18.5 +0.2
X43A	Marvell	23.95 317	eP	P	20 37 50.4 +0.4	comp=Z,69nm,1.4s	HKT	Hockley	25.34 302	eP	P	20 38 03.2 +0.5	Q41A	Truxton	27.06 324	P	P	20 38 18.5 +0.2
LVIG	Laguna Verde	23.95 278	eP	P	20 37 50.4 +0.2	comp=Z,140,SNR=29	R44A	Warren Harvey,	25.38 328	P	P	20 38 03.6 +0.6	T39A	Cleaver	27.08 318	P	P	20 38 18.8 +0.3
241A	Mo Tay, Golden	23.98 309	P	P	20 37 50.5 +0.1	baz=140,SNR=29	Q45A	Waltonville	25.38 326	P	P	20 38 03.6 +0.5	LNIG	Linares	27.14 289	eP	P	20 38 18.1 -1.1
241A	Mo Tay, Golden	23.98 309	eP	P	20 37 51.0 +0.6	baz=137,SNR=30	S43A	Fulton Ridge,	25.45 323	P	P	20 38 04.0 +0.3	HDIL	Hopedale	27.21 329	P	P	20 38 19.9 +0.4
P50A	Jamestown	23.98 335	P	P	20 37 50.9 +0.6	baz=134,SNR=44	P46A	Roadside	25.48 330	P	P	20 38 04.6 +0.7	HDIL	Hopedale	27.21 329	eP	P	20 38 19.5 -0.1
QUA2	Belcherow	24.02 358	eP	P	20 37 51.6 +1.1	baz=142,SNR=22	O47A	Sheridan	25.50 333	P	P	20 38 04.6 +0.5	PLVO	Plevna	27.21 351	eP	P	20 38 19.8 +0.3
QUA2	Glass	24.09 322	eP	S	20 42 07.9 +1.8	baz=145	V41A	Mountainview	25.55 317	P	P	20 38 05.0 +0.4	PLVO	Plevna	27.21 351	eP	P	20 38 19.6 0.0
GLAT	Glass	24.09 322	eP	P	20 37 51.4 +0.1	baz=128,SNR=53	P45A	Graceland, Par	25.66 329	eP	P	20 38 05.2 +0.6	BASO	Ashfield	27.21 343	P	P	20 38 19.3 -0.2
WES	Weston	24.10 360	eP	P	20 37 51.9 +0.5	par=141,SNR=15	P45A	Graceland, Par	25.66 329	eP	P	20 38 05.9 +0.3	M44A	Midewin, Midew	27.27 331	P	P	20 38 20.6 +0.5
WES	Weston	24.10 360	eS	S	20 42 09.2 +1.7	comp=Z,65nm,1.0s	T42A	Van Buren	25.68 321	P	P	20 38 06.1 +0.4	M44A	Midewin, Midew	27.27 331	eP	P	20 38 20.1 +0.1
R47A	Wooly Knot Far	24.11 329	P	P	20 37 51.9 +0.4	baz=132,SNR=38	T42A	Van Buren	25.68 321	eP	P	20 38 05.8 +0.1	CLWO	Collingwood	27.27 346	P	P	20 38 20.0 -0.1
Y42A	Garnett, Star	24.15 314	P	P	20 37 52.0 +0.2	comp=Z,56nm,1.0s	U41A	Viola	25.74 319	P	P	20 38 06.9 +0.3	SADO	Sadowa	27.32 348	P	P	20 38 20.3 -0.2
V44A	Blytheville	24.16 320	P	P	20 37 52.8 +0.8	baz=129,SNR=62	MIAR	Mount Ida	25.77 314	P	P	20 38 07.2 +0.6	SADO	Sadowa	27.32 348	eP	P	20 38 20.0 -0.5
U44B	Burton Farm, H	24.18 322	P	P	20 37 52.5 +0.4	baz=124,SNR=17	MIAR	Mount Ida	25.77 314	eP	P	20 38 07.3 +0.6	BANO	Bancroft	27.33 349	P	P	20 38 20.4 -0.2
CCAR	Cane Creek	24.18 314	eP	P	20 37 53.9 +1.7	comp=Z,137nm,1.8s	MIAR	Mount Ida	25.77 314	eP	P	20 38 07.3 +0.6	O42A	Bath	27.34 327	P	P	20 38 20.3 -0.4
W43A	Forest City	24.18 318	P	P	20 37 52.9 +0.7	comp=Z,137nm,1.8s	MIAR	Mount Ida	25.77 314	eP	P	20 38 07.3 +0.6	WHTX	Lake Whitney,	27.41 305	P	P	20 38 21.5 0.0
ACSO	Alum Creek Sta	24.21 337	eP	P	20 37 53.0 +0.5	comp=Z,137nm,1.8s	W40A	Ferguson Farm,	25.79 315	P	P	20 38 07.6 +0.8	WHTX	Lake Whitney,	27.41 305	eP	P	20 38 22.1 +0.7
HRV	Adam Dzewonsk	24.23 359	P	P	20 37 53.3 +0.8	baz=125,SNR=20	W40A	Ferguson Farm,	25.79 315	eP	P	20 38 08.1 +1.3	N43A	Stutzman Famil	27.45 329	P	P	20 38 21.9 +0.2
HRV	Adam Dzewonsk	24.23 359	eS	S	20 37 51.1 -1.4	comp=Z,90nm,0.9s	NCB	Newcomb	25.82 355	eP	P	20 38 07.6 +0.7	S39A	Bolivar	27.46 319	P	P	20 38 22.3 +0.4
HRV	Adam Dzewonsk	24.23 359	eS	S	20 42 11.2 +1.8	comp=Z,28nm,1.0s	Q44A	Meyer Farm, Va	25.83 327	P	P	20 38 07.6 +0.5	S39A	Bolivar	27.46 319	eP	P	20 38 22.1 +0.2
HRV	Adam Dzewonsk	24.23 359	eS	P	20 37 51.1 -1.4	baz=138,SNR=18	R43A	Red Bay	25.86 324	P	P	20 38 07.8 +0.4	P41A	Barry, Barry	27.48 325	P	P	20 38 21.8 -0.2
HRV	Adam Dzewonsk	24.23 359	eS	P	20 42 11.3 +1.8	baz=136,SNR=20	FVM	French Village	25.94 323	eP	P	20 38 09.4 +1.3	Q40A	Laux Farm, Aux	27.57 323	P	P	20 38 22.9 +0.1
S46A	Don Dixon Farm	24.24 327	P	P	20 37 52.9 +0.2	comp=Z,90nm,1.3s	FVM	French Village	25.94 323	eP	P	20 38 09.4 +1.3	T38A	Diamond	27.67 317	P	P	20 38 24.0 +0.2
T45A	Paducah	24.25 324	P	P	20 37 53.2 +0.4	comp=Z,27nm,0.9s	LBNH	Lisbon	25.96 359	eP	P	20 38 09.8 +1.5	R39A	Chumby, Stover	27.68 321	P	P	20 38 24.0 -0.2
T45A	Paducah	24.25 324	eP	P	20 37 52.6 -0.2	comp=Z,27nm,0.9s	LBNH	L										

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K43A	Burlington	28.45 333	eP	P	20 38 30.2	-0.5
L42A	Oliver, Polo	28.50 330	P	P	20 38 30.6	-0.5
L42A	Oliver, Polo	28.50 330	eP	P	20 38 30.6	-0.5
N40A	Mertquake, Sal	28.62 326	P	P	20 38 31.8	-0.4
O39A	Kirkville	28.70 324	P	P	20 38 33.0	+0.1
JCT	Junction City	28.74 301	P	P	20 38 33.2	-0.3
JCT	Junction City	28.74 301	eP	P	20 38 33.9	+0.5
JCT	Junction City	28.74 301	eP	P	20 38 33.9	+0.5
P38A	Dawn	28.83 322	P	P	20 38 34.1	0.0
P38A	Dawn	28.83 322	eP	P	20 38 33.7	-0.3
Q37A	Longview Farm,	28.90 320	P	P	20 38 34.8	+0.1
L41A	Preston	28.95 329	P	P	20 38 34.9	-0.2
M40A	Post Highland	28.96 327	P	P	20 38 34.9	-0.3
N39A	Derby Farms, D	29.11 325	P	P	20 38 36.0	-0.5
N39A	Derby Farms, D	29.11 325	eP	P	20 38 35.6	-0.9
O38A	Galt	29.13 323	P	P	20 38 36.7	+0.1
K41A	Shullsburg	29.27 330	P	P	20 38 37.7	-0.2
P37A	Lathrop	29.29 321	P	P	20 38 38.0	-0.1
J42A	Columbus	29.29 333	P	P	20 38 37.7	-0.4
L40A	Anamosa	29.30 328	P	P	20 38 37.8	-0.4
L40A	Anamosa	29.30 328	eP	P	20 38 37.7	-0.4
I43A	Langenfeld Bro	29.34 334	P	P	20 38 38.6	+0.1
M39A	Webster	29.36 327	P	P	20 38 38.0	-0.8
ABTX	Abilene, Hawle	29.36 305	P	P	20 38 39.0	0.0
ABTX	Abilene, Hawle	29.36 305	eP	P	20 38 39.2	+0.3
N38A	Joes South For	29.45 324	P	P	20 38 39.7	+0.2
JFWS	Jewell Farm	29.48 331	P	P	20 38 40.0	+0.3
JFWS	Jewell Farm	29.48 331	eP	P	20 38 39.6	-0.2
JFWS	Jewell Farm	29.48 331	eP	P	20 38 39.6	-0.2
O37A	Wolfen Farm, M	29.54 323	P	P	20 38 40.4	0.0
WMOK	Wichita Mounta	29.58 309	P	P	20 38 40.7	-0.1
WMOK	Wichita Mounta	29.58 309	eP	P	20 38 40.5	-0.3
WMOK	Wichita Mounta	29.58 309	eP	P	20 38 40.5	-0.3
I42A	Draeger Farm,	29.66 334	P	P	20 38 41.4	+0.1
I42A	Draeger Farm,	29.66 334	eP	P	20 38 41.0	-0.3
H43A	Windswept, Lux	29.67 336	P	P	20 38 42.1	+0.7
H43A	Windswept, Lux	29.67 336	eP	P	20 38 41.4	+0.1
J41A	Loganville	29.72 332	P	P	20 38 42.2	+0.3
F46A	Macinaw City C	29.73 341	P	P	20 38 43.1	+1.2
L39A	Vinton	29.74 328	P	P	20 38 41.8	-0.2
K40A	Colesburg	29.74 329	P	P	20 38 42.1	0.0
ZAIG	Zacatecas	29.76 324	P	P	20 38 43.3	+0.5
M38A	Pleasantville	29.86 325	P	P	20 38 43.4	+0.2
F45A	CMU Biological	29.89 340	P	P	20 38 43.7	+0.3
N37A	Lee Faris, Mou	29.97 323	P	P	20 38 44.5	+0.3
N37A	Lee Faris, Mou	29.97 323	eP	P	20 38 44.2	+0.1
H42A	Shiocton	30.01 335	eP	P	20 38 43.4	-1.0
J40A	Soldiers Grove	30.08 331	P	P	20 38 45.1	0.0
K39A	Delwein	30.11 329	P	P	20 38 44.9	-0.4
I41A	Arkdale	30.21 333	P	P	20 38 45.9	-0.3
I41A	Arkdale	30.21 333	eP	P	20 38 45.6	-0.6
SCIA	State Center	30.21 326	P	P	20 38 46.4	+0.1
SCIA	State Center	30.21 326	eP	P	20 38 45.3	-1.0
L38A	Oak Wood Farm,	30.24 327	P	P	20 38 46.3	-0.2
G43A	Wallace	30.30 336	P	P	20 38 47.0	0.0
G43A	Wallace	30.30 336	eP	P	20 38 46.9	0.0
M37A	Trindle Farm,	30.32 325	P	P	20 38 47.5	+0.3
KSU1	Kansas State U	30.37 319	P	P	20 38 47.6	-0.1
KSU1	Kansas State U	30.37 319	eP	P	20 38 47.1	-0.6
E45A	Wooded Hills,	30.38 341	P	P	20 38 48.1	+0.4
H40A	Norwalk	30.41 332	P	P	20 38 47.9	-0.1
N36A	Muff Farm, Cla	30.44 323	P	P	20 38 48.5	+0.3
F44A	Big Bay de Noc	30.45 339	P	P	20 38 48.5	+0.2
J39A	Decorah	30.49 330	P	P	20 38 48.3	-0.4
K38A	Parkersburg	30.51 328	P	P	20 38 48.5	-0.4
K38A	Parkersburg	30.51 328	eP	P	20 38 48.0	-0.9
NNA	Nana	30.52 191	P	P	20 38 50.4	+1.1
NNA	Nana	30.52 191	eP	P	20 38 49.8	+0.5
NNA	Nana	30.52 191	eP	P	20 38 49.8	+0.5
H41A	Junction City	30.56 334	P	P	20 38 49.0	-0.3
H41A	Junction City	30.56 334	eP	P	20 38 48.4	-0.9
G42A	Mountain	30.57 336	P	P	20 38 49.4	0.0
G42A	Mountain	30.57 336	eP	P	20 38 48.9	-0.5
F43A	Flat Rock, Esc	30.59 338	P	P	20 38 50.1	+0.5
L37A	Phoenix Point,	30.65 326	P	P	20 38 50.3	+0.2
M36A	Felix, Anita	30.77 324	P	P	20 38 51.3	+0.1
I39A	Houston	30.80 331	P	P	20 38 51.4	0.0
I39A	Houston	30.80 331	eP	P	20 38 50.8	-0.6
G41A	Antigo	30.85 335	P	P	20 38 51.3	-0.5
E44A	Grand Marais A	30.85 340	P	P	20 38 52.1	+0.3
E44A	Grand Marais A	30.85 340	eP	P	20 38 52.2	+0.3
J38A	Wedel Dairy, R	30.85 329	P	P	20 38 51.8	-0.1

H40A	Chili	30.88 333	P	P	20 38 52.1	-0.1
F42A	Maple Grove Fa	30.89 337	P	P	20 38 52.5	+0.3
E43A	Low Tree Farm	31.00 338	P	P	20 38 53.2	0.0
E43A	Lone Tree Farm	31.00 338	eP	P	20 38 53.5	+0.4
K37A	Belmond	31.04 327	P	P	20 38 53.1	-0.4
L36A	Harm Buss Farm	31.13 325	P	P	20 38 54.6	+0.2
LSQQ	Lebel-sur-Quev	31.14 353	P	P	20 38 54.7	+0.4
F41A	Three Lakes	31.25 335	P	P	20 38 55.4	0.0
F41A	Three Lakes	31.25 335	eP	P	20 38 55.2	-0.2
I38A	Scanlan Farm	31.32 330	P	P	20 38 55.8	-0.3
H39A	Augusta	31.32 332	P	P	20 38 55.9	-0.1
E42A	Champion	31.38 337	P	P	20 38 56.6	+0.1
K36A	Gilmore City	31.38 326	P	P	20 38 56.8	+0.3
J37A	Redenius Farm,	31.38 328	P	P	20 38 56.8	+0.2
COWI	Conover	31.56 336	eP	P	20 38 58.3	+0.2
TXAR	Lajitas Arroy	31.66 297	P	P	20 38 59.8	+0.4
TXAR	Lajitas Arroy	31.66 297	P	P	20 41 50.9	-0.2
TXAR	Lajitas Arroy	31.66 297	P	P	20 55 33.9	
TX31	Lajitas Ar. Si	31.66 297	eP	P	20 38 59.5	+0.1
CHGO	Chibougamau	31.73 356	P	P	20 38 59.7	+0.1
G38A	Holcombe	31.75 333	P	P	20 38 59.7	0.0
H39A	Maiden Rock	31.77 331	P	P	20 38 60.0	0.0
E41A	Kenton	31.80 336	P	P	20 39 00.5	+0.3
J36A	Seneca 1, Swea	31.80 327	P	P	20 39 00.4	+0.2
J36A	Seneca 1, Swea	31.80 327	eP	P	20 38 59.8	-0.5
AMTX	Amarillo	31.81 308	P	P	20 39 00.3	-0.3
AMTX	Amarillo	31.81 308	eP	P	20 39 00.2	-0.3
F40A	Park Falls	31.81 334	P	P	20 39 00.2	-0.1
I37A	Lemond, Waseca	31.82 329	P	P	20 39 00.4	0.0
I37A	Lemond, Waseca	31.82 329	eP	P	20 38 59.5	-0.9
MAT0	Matagami	31.91 352	P	P	20 39 01.2	+0.1
G38A	Ridgeland	31.96 332	P	P	20 39 01.6	0.0
H37A	Dierke Farm, C	32.00 330	P	P	20 39 02.1	+0.1
F39A	Loretta	32.13 334	P	P	20 39 03.3	+0.2
E40A	Wakfield	32.14 335	P	P	20 39 03.6	+0.3
D41A	Chassel	32.15 337	P	P	20 39 03.8	+0.5
D41A	Chassel	32.15 337	eP	P	20 39 03.8	+0.5
CBKS	Cedar Bluff	32.24 315	P	P	20 39 04.8	+0.5
CBKS	Cedar Bluff	32.24 315	eP	P	20 39 04.7	+0.5
CBKS	Cedar Bluff	32.24 315	eP	P	20 39 04.7	+0.5
MSTX	Muleshoe	32.29 305	P	P	20 39 04.6	-0.3
MSTX	Muleshoe	32.29 305	eP	P	20 39 04.5	-0.3
E39A	Mellen	32.35 335	P	P	20 39 05.4	+0.3
SPMN	Marine on St.	32.43 331	P	P	20 39 05.9	+0.1
SPMN	Marine on St.	32.43 331	eP	P	20 39 05.5	-0.3
H36A	Jessamin, He	32.49 329	P	P	20 39 06.4	+0.1
F38A	Pierce - Schro	32.58 333	P	P	20 39 07.3	+0.3
BGNE	Belgrade	32.69 321	P	P	20 39 07.6	-0.5
BGNE	Belgrade	32.69 321	eP	P	20 39 07.3	-0.8
F37A	Hinrichs Farm,	32.73 332	P	P	20 39 08.4	0.0
CPRX	Cap Rock	32.84 303	eP	P	20 39 08.3	-1.4
G36A	St. Michael	32.88 330	P	P	20 39 09.8	0.0
E38A	The Farm, Brul	32.95 334	P	P	20 39 10.4	+0.1
E38A	The Farm, Brul	32.95 334	eP	P	20 39 09.7	-0.6
HPIG	Guadalupe Moun	32.96 292	eP	P	20 39 11.0	+0.1
GD2L	Guadalupe Moun	32.98 301	eP	P	20 39 11.1	+0.2
H35A	Sunnyside Ranc	33.02 328	P	P	20 39 11.0	0.0
C40A	Isle Royale Na	33.08 338	P	P	20 39 11.8	+0.4
C40A	Isle Royale Na	33.08 338	eP	P	20 39 11.9	+0.5
G35A	Watkins	33.23 329	eP	P	20 39 12.8	0.0
F36A	Milaca	33.24 331	P	P	20 39 12.8	-0.1
F36A	Milaca	33.24 331	eP	P	20 39 12.2	-0.7
ECSD	EROS Data Cent	33.28 325	P	P	20 39 13.0	-0.3
ECSD	EROS Data Cent	33.28 325	eP	P	20 39 12.7	-0.6
C39A	Grand Marais	33.36 332	P	P	20 39 13.7	-0.2
E36A	McGregor	33.32 332	P	P	20 39 16.4	+0.2
MNTX	Cornudas Mount	33.68 300	P	P	20 39 17.2	+0.3
MNTX	Cornudas Mount	33.68 300	eP	P	20 39 17.1	+0.2
C38A	Sawhill Land.	33.73 335	P	P	20 39 16.7	-0.4
F35A	Swanville	33.73 330	P	P	20 39 16.9	-0.2
D37A	Cotton	33.76 334	P	P	20 39 17.6	+0.2
G34A	Benson	33.81 328	P	P	20 39 17.8	0.0
EYMN	Ely	34.00 335	P	P	20 39 19.3	-0.1
EYMN	Ely	34.00 335	eP	P	20 39 19.0	-0.4
F34A	Alexandria	34.02 329	P	P	20 39 19.7	+0.1
D36A	Goodland	34.09 333	P	P	20 39 20.1	-0.1
D36A	Goodland	34.09 333	eP	P	20 39 20.0	-0.1
C37A	Embarass	34.10 334	P	P	20 39 20.4	+0.1
E35A	Pequot Lakes	34.17 331	P	P	20 39 21.3	+0.4
G33A	Ortonville	34.18 327	P	P	20 39 21.3	+0.2
H32A	Carson Farm,	34.24 326	P	P	20 39 21.1	-0.5
KSCO	Kaye Shedlock	34.29 314	P	P	20 39 22.5	+0.3
KSCO	Kaye Shedlock	34.29 314	eP	P	20 39 22.6	+0.3
C36A	Pine Crest Far	34.40 334	P	P	20 39 22.8	-0.1
D35A	Remer	34.40 332	P	P	20 39 22.7	-0.3

LPAZ	La Paz	34.41 175	P	P	20 39 24.8	+0.9
LPAZ	La Paz	34.41 175	eP	P	20 54 37.9	
LPAZ	La Paz	34.41 175	eP	P	20 39 24.8	+0.9
LPAZ	La Paz	34.41 175	eP	P	20 39 24.8	+0.9
E34A	Wadena	34.50 330	P	P	20 39 24.0	+0.2
EPT	El Paso	34.62 300	eP	P	20 39 24.7	-0.5
T25A	Trinidad	34.74 310	P	P	20 39 26.8	+0.5
T25A	Trinidad	34.74 310	eP	P	20 39 26.8	+0.5
G32A	Webster	34.77 327	P	P	20 39 26.3	+0.1
G32A	Webster	34.77 327	eP	P	20 39 26.3	+0.1
C35A	Jirik Farms, M	34.84 333	P	P	20 39 26.4	-0.4
OGNE	Ogallala	34.85 317	eP	P	20 39 26.3	-0.8

PV09	Paradox Valley	38.71 309	eP	P	20 40 00.9 +0.7
SRIG	Santa Rosalia	38.83 291	eP	P	20 40 01.6 +0.7
PB01	POC	39.04 178	eP	P	20 40 02.0 -0.8
X16A	Lo Mia Camp	39.28 302	eP	P	20 40 06.0 +1.1
WUJZ	Wupatki	39.50 304	eP	P	20 40 06.9 +0.2
WUJZ	Wupatki	39.50 304	eP	P	20 40 07.7 +1.0
214A	Organ Pipe Nat	39.90 298	P	P	20 40 09.9 0.0
P18A	Preston Nutter	39.92 311	eP	P	20 40 11.0 +0.7
SRU	San Rafael Swe	39.94 310	eP	P	20 40 10.8 +0.5
SRU	San Rafael Swe	39.94 310	eP	P	20 40 10.8 +0.5
P17A	Butcher Ranch	40.23 310	eP	P	20 40 13.1 +0.5
DGMT	Dagmar	40.36 326	P	P	20 40 14.3 +0.8
DGMT	Dagmar	40.36 326	eP	P	20 40 13.8 +0.4
Y14A	Wickenburg	40.44 301	eP	P	20 40 15.6 +1.3
U15A	North Rim	40.46 305	eP	P	20 40 15.5 +0.7
LAO	LASA Array	40.47 322	P	P	20 40 14.2 -0.2
LAO	LASA Array	40.47 322	eP	P	20 40 14.5 +0.1
TMUT	Trail Mountain	40.51 310	eP	P	20 40 15.6 +0.4
PD31	Pinedale Array	40.66 315	eP	P	20 40 15.8 -0.6
PDAR	Pinedale Array	40.66 315	eP	P	20 40 16.2 -0.1
PDAR	Pinedale Array	40.66 315	eP	P	20 42 16.6 -1.2
PDAR	Pinedale Array	40.66 315	eP	P	20 40 15.8 -0.6
PDAR	Pinedale Array	40.66 315	eP	P	20 40 16.0 -0.3
BW06	Boulder Array	40.67 315	eP	P	20 40 15.5 -0.8
BW06	Boulder Array	40.67 315	eP	P	20 40 15.5 -0.8
PKCU	Mount Pierson	40.76 307	eP	P	20 40 18.1 +0.8
MTPU	Mount Pierson	40.83 308	eP	P	20 40 18.6 +0.6
113A	Mohawk Valley	40.84 299	eP	P	20 40 18.0 +0.4
MSU	Marysvalle	40.97 308	eP	P	20 40 19.8 +0.9
MSU	Marysvalle	40.97 308	eP	P	20 40 19.8 +0.9
MSU	Marysvalle	40.97 308	eP	P	20 40 19.7 +0.2
IMPU	Maple Canyon	41.06 311	eP	P	20 40 20.7 +0.5
JLU	Jordanelle	41.13 312	eP	P	20 40 21.4 +0.6
TCRU	Three Creeks R	41.20 308	eP	P	20 40 21.4 +0.6
TCUT	Toone Canyon	41.29 312	eP	P	20 40 21.4 0.0
LCMT	Little Creek M	41.35 306	eP	P	20 40 22.9 +0.9
NLU	North Lily Min	41.36 310	eP	P	20 40 22.8 +0.8
CTU	Camp Tracy	41.38 312	eP	P	20 40 22.7 +0.6
SZCU	Shurtz Canyon	41.39 307	eP	P	20 40 22.9 +0.5
W13A	Hualapai Mntn	41.40 303	eP	P	20 40 23.8 +1.3
PDMCI	Parker Dam, Lak	41.44 301	P	P	20 40 23.4 +0.9
RLMT	Red Lodge	41.52 319	P	P	20 40 23.4 +0.1
RLMT	Red Lodge	41.52 319	eP	P	20 40 23.2 -0.1
HWUT	Hardware Ranch	41.58 313	eP	P	20 40 23.5 -0.3
CCUT	Cedar City	41.59 306	eP	P	20 40 24.8 +0.8
CCUT	Cedar City	41.59 306	eP	P	20 42 21.8 +0.8
Y12C	Blythe	41.64 301	eP	P	20 40 25.5 +1.3
Y12C	Blythe	41.64 301	eP	P	20 40 25.2 +1.1
AHID	Auburn Hatcher	41.70 315	eP	P	20 40 24.2 -0.6
LOHW	Long Hollow	41.72 316	eP	P	20 40 24.4 -0.5
SNOW	Snow King Mntn	41.75 316	eP	P	20 40 25.3 0.0
GLA	Glamis	41.77 299	P	P	20 40 25.7 +0.4
GLA	Glamis	41.77 299	eP	P	20 40 25.8 +0.5
GLA	Glamis	41.77 299	eP	P	20 40 25.8 +0.5
REDW	Red Top Meadow	41.78 316	eP	P	20 40 25.3 -0.1
MOOW	Moose Ponds	41.87 316	eP	P	20 40 25.2 -1.0
TPAW	Teton Pass	41.89 316	eP	P	20 40 26.6 +1.1
NEE2	Needles Airpor	41.92 302	P	P	20 40 27.6 +1.2
DUG	Dugway, Tooele	41.97 310	P	P	20 40 27.6 +0.7
DUG	Dugway, Tooele	41.97 310	eP	P	20 40 27.3 +0.3
DUG	Dugway, Tooele	41.97 310	eP	P	20 42 21.4 -0.7
DUG	Dugway, Tooele	41.97 310	eP	P	20 40 27.3 +0.3
DUG	Dugway, Tooele	41.97 310	eP	P	20 42 21.4
FLWY	Flagg Ranch	41.98 317	eP	P	20 40 27.7 +0.7
FXWY	Fox Creek	42.01 316	eP	P	20 40 26.7 -0.6
H17A	Grant Village	42.03 317	P	P	20 40 28.0 +0.4
H17A	Grant Village	42.03 317	eP	P	20 40 27.6 +0.1
IMW	Indian Meadow	42.05 316	eP	P	20 40 27.9 +0.2
GCMT	Greyhiff	42.08 319	eP	P	20 40 26.4 -1.4
BTCC	Brunts Corner	42.09 319	eP	P	20 40 28.6 +0.8
SPUT	South Promonto	42.09 322	eP	P	20 40 28.0 0.0
YPP	Pitchstone Pla	42.12 317	eP	P	20 40 29.2 +0.9
YFT	Old Faithful	42.22 317	eP	P	20 40 29.4 +0.4
IRM	Iron Mountain	42.23 301	P	P	20 40 29.7 +0.7
PSUT	Pine Spring	42.23 308	eP	P	20 40 30.3 +1.0
BGU	Big Grassy Mou	42.37 311	eP	P	20 40 30.4 +0.2
LDFC	Landfair	42.38 302	eP	P	20 40 31.9 +1.6
BC3	Big Chuckawall	42.39 300	P	P	20 40 30.9 +0.5
YMR	Madison River	42.40 317	eP	P	20 40 30.5 0.0
ROSA	Rosais	42.42 52	eP	P	20 40 31.9 +1.5
HVU	Hansel Valley	42.48 313	eP	P	20 40 30.6 -0.5
HVU	Hansel Valley	42.48 313	eP	P	20 40 30.6 -0.5
SWSC	Sam W. Stewart	42.56 299	P	P	20 40 32.2 +0.5
YHB	Horse Butte	42.58 317	eP	P	20 40 31.6 -0.4
SHPR	Sheep Range	42.72 304	eP	P	20 40 34.5 +1.3
GMRC	Granite Mounta	42.76 302	P	P	20 40 34.0 +0.5

QLMT	Earthquake Lak	42.77 317	eP	P	20 40 33.2 -0.3
IKP	In-Ko-Pah, Jac	42.77 299	P	P	20 40 34.0 +0.5
BELC	Belle Mtn, Jos	42.89 301	P	P	20 40 35.0 +0.4
MONP2	Monument Peak	43.07 299	P	P	20 40 36.2 +0.2
TUQ	Turquoise Moun	43.10 303	P	P	20 40 36.8 +0.6
GO02	Guano	43.13 178	eP	P	20 40 36.6 0.0
XPFO	Pison Flat	43.20 300	eP	P	20 40 37.5 +0.4
XPFO	Pinyon Flats O	43.21 300	eP	P	20 40 37.3 +0.2
PFO	Pinyon Flats O	43.21 300	eP	P	20 40 37.9 +0.8
PFO	Pinyon Flats O	43.21 300	eP	P	20 42 26.2 -0.1
EGMT	Eagleton	43.22 322	P	P	20 40 37.4 +0.5
EGMT	Eagleton	43.22 322	eP	P	20 40 37.0 +0.1
BOZ	Bozeman (W)	43.22 318	P	P	20 40 37.4 +0.3
BOZ	Bozeman (W)	43.22 318	eP	P	20 40 37.3 +0.3
BAR	Barrett	43.25 299	eP	P	20 40 36.4 -0.9
HEC	Hector Ludlow	43.31 302	P	P	20 40 38.6 +0.7
FFC	Flin Flon	43.41 334	eP	P	20 40 36.9 -1.4
FFC	Flin Flon	43.41 334	eP	P	20 40 36.9 -1.4
SHOC	Shoshone, Teco	43.47 303	P	P	20 40 39.6 +0.5
R11A	Troy Canyon, C	43.49 307	P	P	20 40 39.8 +0.4
R11A	Troy Canyon, C	43.49 307	eP	P	20 40 39.8 +0.4
R11A	Troy Canyon, C	43.49 307	eP	P	20 42 26.6 -0.7
109C	Camp Elliot, M	43.64 299	P	P	20 40 40.8 +0.4
CPE	Camp Elliot	43.64 299	eP	P	20 40 40.0 -0.3
TPNV	Topopah Spring	43.67 305	P	P	20 40 41.2 +0.3
TPNV	Topopah Spring	43.67 305	eP	P	20 40 42.2 +1.4
TPNV	Topopah Spring	43.67 305	eP	P	20 42 27.6 -0.2
MCMT	McKenzie Canyo	43.69 317	eP	P	20 40 41.6 +0.6
DLMT	Dillon	43.74 318	eP	P	20 40 42.6 -1.3
DLMT	Dillon	43.74 318	eP	P	20 40 41.7 +0.5
GSC	Goldstone, Bar	43.78 302	P	P	20 42 24.5 +1.3
GSC	Goldstone, Bar	43.78 302	eP	P	20 40 42.7 +1.0
MURC	Murieta	43.81 300	P	P	20 40 42.7 +0.8
HRH	Hotter Researc	43.84 320	eP	P	20 40 41.9 -0.1
LRLM	Limekiln Ridge	43.84 318	eP	P	20 40 42.8 +0.7
LRLM	Fort Churchill	43.84 343	eP	P	20 42 28.1 -0.2
FCC	Fort Churchill	43.84 343	eP	P	20 40 40.3 -1.3
FURC	Furnace Creek	44.05 304	P	P	20 40 44.5 +0.9
HLID	Hailey	44.25 314	P	P	20 40 45.9 +0.6
HLID	Hailey	44.25 314	eP	P	20 40 45.5 +0.2
BFSO	Mount Baldy Ra	44.29 301	P	P	20 40 46.6 +0.7
MPMC	Manual Prospec	44.47 303	P	P	20 40 48.0 +0.7
LRMC	Laurel Mtn Rad	44.52 302	P	P	20 40 48.0 +0.4
GRAC	Gravine Rang	44.56 305	P	P	20 40 48.6 +0.8
DAC	Drapevin (Calif)	44.59 303	eP	P	20 40 49.2 +0.9
DAC	Mount Wilson	44.62 300	eP	P	20 42 31.3 +0.3
MWC	Mount Wilson	44.62 300	eP	P	20 40 49.0 +0.5
MWC	Mount Wilson	44.62 300	eP	P	20 40 49.0 +0.5
EDW2	Edwards Air Fo	44.67 301	P	P	20 40 49.2 +0.5
PASC	Pasadena Air Fc	44.71 300	eP	P	20 40 49.2 +0.2
CIS	Catalina Islan	44.79 299	P	P	20 40 50.2 +0.4
DECC	Green Verdugo	44.85 300	P	P	20 40 50.8 +0.6
WORM	Onyx Ranch	45.00 303	eP	P	20 40 48.9 -2.5
CWC	Cottonwood Cre	45.01 304	P	P	20 40 51.8 +0.3
MFID	Camas Ranch	45.16 314	eP	P	20 40 52.4 -0.2
ISA	Isabella, Lake	45.19 302	P	P	20 40 53.4 +0.6
ISA	Isabella, Lake	45.19 302	eP	P	20 40 53.2 +0.4
ISA	Isabella, Lake	45.19 302	eP	P	20 40 53.2 +0.4
MSO	Missoula	45.20 319	P	P	20 40 52.9 +0.1
MSO	Missoula	45.20 319	eP	P	20 40 52.7 -0.1
OSI	Osito Audit: C	45.22 301	P	P	20 40 54.3 +1.1
OSI	Osito Audit: C	45.22 301	eP	P	20 40 53.2 +0.1
TIN	Timnaha, Big	45.25 304	P	P	20 40 54.3 +0.9
BMN	Battle Mountai	45.26 309	eP	P	20 40 53.5 0.0
BMN	Battle Mountai	45.26 309	eP	P	20 40 53.5 0.0
ARVC	Arvin	45.38 302	P	P	20 40 54.7 +0.4
NV11	Mina Array Sit	45.48 306	eP	P	20 40 55.9 +0.7
KVN	Kaiserville	45.57 307	eP	P	20 40 56.3 +0.3
KVN	Kaiserville	45.57 307	eP	P	20 42 34.3
KVN	Kaiserville	45.57 307	eP	P	20 42 44.9
NV01	Mina Array Sit	45.59 306	eP	P	20 40 56.4 +0.2
NV01	Mina Array Sit	45.59 306	eP	P	20 42 34.6 +0.1
NVAR	Mina Array Bay	45.59 306	eP	P	20 40 57.1 +0.9
NVAR	Mina Array Bay	45.59 306	eP	P	20 42 34.7 +0.3
SNCC	San Nicolas Is	45.70 299	eP	P	21 02 45.7
YES	Vestal, Richgr	45.70 303	P	P	20 40 57.3 +0.5
JTMT	Jette	45.80 320	eP	P	20 40 58.4 +0.8
JTMT	Jette	45.80 320	eP	P	20 42 34.0 -0.9
RYN	Ryan	45.80 306	eP	P	20 40 58.5 +0.7
SCZ2	Santa Cruz Isl	45.88 300	P	P	20 40 58.9 +0.6
IVI	Ivigtut	45.94 15	eP	P	20 40 59.6 +1.4
OMMB	Old Mammoth M	45.96 305	eP	P	20 41 00.4 +1.2
OMMB	Old Mammoth M	45.96 305	eP	P	20 42 36.3 +0.4
MDPB	Devils Postpil	46.02 305	eP	P	20 41 00.5 +0.8

WALA	Waterton Lakes	46.14 322	eP	P	20 41 00.1 -0.1
PKM	Mcpheerson Peak	46.15 301	P	P	20 41 00.5 -0.1
CPUP	CP Florida	46.26 163	P	P	20 41 00.5 -0.7
CPUP	CP Florida	46.26 163	P	P	21 01 51.2
CPUP	CP Florida	46.26 163	eP	P	20 41 00.0 -1.2
CPUP	CP Florida	46.26 163	eP	P	20 41 00.0 -1.2
SMMC	Simmer	46.36 302	P	P	20 41 02.5 +0.5
YERR	Yerlington	46.42 307	eP	P	20 41 03.5 +0.8
WAKR	Walker	46.47 306	eP	P	20 41 04.5 +1.3
NRS	Narsarsuaq	46.62 17	eP	P	20 41 03.9 +0.3
PAGB	Antelope Grade	46.62 302	eP	P	20 41 05.0 +0.9
BMO	Blue Mountains	46.64 315	eP	P	20 41 03.3 -0.9
BMO	Blue Mountains	46.64 315	eP	P	20 41 03.3 -0.9
PAHR	Pah Rah Rang	46.69 308	eP	P	20 41 04.4 -0.4
PAHR	Pah Rah Rang	46.69 308	eP	P	20 42 38.2 0.0
PNTR	Pine Nut	46.72 307	eP	P	20 41 05.3 +0.2
VCNR	Virginia City	46.80 307	eP	P	20 41 05.4 -0.3
WVOR	Wild Horse Val	46.83 312	eP	P	20 41 05.8 +0.1
WVOR	Wild Horse Val	46.83 312	eP	P	20 41 05.8 +0.1
LCO	Las Campanas	46.94 179	eP	P	20 41 06.7 -0.1
LCO	Las Campanas	46.94 179	eP</		

7d 20h

Table with columns: IOD3, Drain, OR, 50.49 312, P, P, 20 41 33.3 -0.4, etc. Lists various locations and their associated data points.

2012 JUL

Table with columns: ESK, Eszkalemuir, 62.68 37, eP, P, 20 43 00.1 -0.2, etc. Lists various locations and their associated data points.

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Table with columns: SPU, Mount Spurr, 69.86 329, eP, P, 20 43 47.0 +0.8, etc. Lists various locations and their associated data points.

7d 20h

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Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	YSS	pmx	pmx	comp=Z,10.0nm,1.0s	PMQ	URUMQJ	44.47 292	p	p	20 45 15.4 +2.3
KUR	Kuril'sk	2.58 273	Op	ISC	ISC	h m s	ISC	comp=N,10.0nm,0.6s	pmx	pmx	comp=N,10.0nm,0.7s	pmx	pmx	20 45 24.2 +0.5	p	p	20 45 29.2 -1.4
KUR	101nm,0.4s		AMB	AMB	AMB	20 37 46.0	+0.3	comp=E,10.0nm,0.6s	pmx	pmx	comp=E,10.0nm,0.6s	MLR	MLR	20 45 29.2 -1.4	p	p	20 45 29.2 -1.4
KUR	37nm,0.4s		AMB	AMB	AMB	20 37 46.0		comp=Z,300nm,18.0s	MLR	MLR	comp=Z,300nm,18.0s	MLR	MLR	20 45 29.2 -1.4	p	p	20 45 29.2 -1.4
KUR	264nm,0.4s		AMB	AMB	AMB	20 37 46.0		comp=E,200nm,14.0s	MLR	MLR	comp=E,200nm,14.0s	MLR	MLR	20 45 29.2 -1.4	p	p	20 45 29.2 -1.4
KUR	436nm,0.4s		A	A	A	20 38 22.0		JJK2 Kamakawa Z	6.40 261	P	Pn	Pn	20 38 39.1 +1.8				
KUR	366nm,0.4s		A	A	A	20 38 22.0		JCH Churui	6.42 249	P	Pn	Pn	20 38 37.0 -0.5				
KUR	Kuril'sk	2.58 273	eS	Sn	Sn	20 37 44.7	0.0	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 48.2 -1.3				
KUR	comp=N,102nm,0.3s		pmx	pmx	pmx	20 38 15.5 +0.7		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.2 +2.2				
KUR	comp=Z,265nm,0.3s		pmx	pmx	pmx	20 38 15.5 +0.7		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.2 +2.2				
KUR	comp=E,38nm,0.1s		smx	smx	smx	20 38 15.5 +0.7		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.2 +2.2				
KUR	comp=N,530nm,0.15s		smx	smx	smx	20 38 15.5 +0.7		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.2 +2.2				
KUR	comp=E,250nm,0.5s		smx	smx	smx	20 38 15.5 +0.7		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.2 +2.2				
KUR	comp=N,842nm,1.2s		smx	smx	smx	20 38 15.5 +0.7		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.2 +2.2				
KUR	comp=E,442nm,1.4s		smx	smx	smx	20 38 15.5 +0.7		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.2 +2.2				
SHO	Shikotan	3.60 250	i	Pn	Pn	20 37 58.7	0.0	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 39.9 +1.9				
SHO	comp=E,39nm,0.3s		AMB	AMB	AMB	20 38 03.8		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 40 02.9 +2.8				
SHO	comp=E,33nm,0.3s		AMB	AMB	AMB	20 38 03.8		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.0 +0.0				
SHO	comp=E,100nm,0.3s		eS	Sn	Sn	20 38 39.5	-0.4	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 40.4 +1.1				
SHO	comp=E,222nm,0.3s		A	A	A	20 38 43.9		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
SHO	comp=E,332nm,0.3s		A	A	A	20 38 43.9		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 44.0 +0.7				
SHO	Shikotan	3.60 250	i	Pn	Pn	20 37 59.2	+0.5	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 38 44.0 +1.1				
SHO	comp=Z,100nm,0.3s		pmx	pmx	pmx	20 38 38.8	-1.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
SHO	comp=E,33nm,0.2s		pmx	pmx	pmx	20 38 38.8	-1.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
SHO	comp=N,39nm,0.3s		smx	smx	smx	20 38 38.8	-1.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
SHO	comp=N,222nm,0.5s		smx	smx	smx	20 38 38.8	-1.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
SHO	comp=E,332nm,0.2s		smx	smx	smx	20 38 38.8	-1.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	Yuzh-Kuril'sk	4.20 256	eP	Pn	Pn	20 38 07.0	0.0	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=E,78nm,0.3s		AMB	AMB	AMB	20 38 10.5		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=E,321nm,0.3s		eS	Sn	Sn	20 38 54.8	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=E,195nm,0.3s		A	A	A	20 38 59.0		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=E,375nm,0.3s		A	A	A	20 38 59.0		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	Yuzh-Kuril'sk	4.20 256	eP	Pn	Pn	20 38 07.3	+0.3	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=E,78nm,0.3s		pmx	pmx	pmx	20 38 54.8	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=Z,321nm,0.3s		pmx	pmx	pmx	20 38 54.8	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=N,73nm,0.2s		smx	smx	smx	20 38 54.8	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
YUK	comp=N,195nm,0.3s		smx	smx	smx	20 38 54.8	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	Lagunnoy	4.24 257	eP	Pn	Pn	20 38 08.5	+0.9	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=E,15nm,0.2s		AMB	AMB	AMB	20 38 08.9		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=E,66nm,0.2s		eS	Sn	Sn	20 38 55.9	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=E,469nm,0.3s		A	A	A	20 39 03.0		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=E,490nm,0.3s		A	A	A	20 39 03.0		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	Lagunnoy	4.24 257	eP	Pn	Pn	20 38 08.5	+0.9	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=E,15nm,0.2s		pmx	pmx	pmx	20 38 55.9	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=Z,66nm,0.2s		pmx	pmx	pmx	20 38 55.9	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=E,490nm,0.3s		smx	smx	smx	20 38 55.9	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
LAGR	comp=N,469nm,0.4s		smx	smx	smx	20 38 55.9	+0.1	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	Tuman	4.27 256	eP	Pn	Pn	20 38 08.7	+0.7	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=N,110nm,0.4s		AMB	AMB	AMB	20 38 13.6		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=N,61nm,0.4s		AMB	AMB	AMB	20 38 13.6		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=N,182nm,0.4s		AMB	AMB	AMB	20 38 13.6		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=N,254nm,0.4s		eS	Sn	Sn	20 38 56.3	-0.2	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=N,318nm,0.4s		A	A	A	20 39 00.9		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	Tuman	4.27 256	eP	Pn	Pn	20 38 08.7	+0.7	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=Z,182nm,0.4s		pmx	pmx	pmx	20 38 56.3	-0.2	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=N,110nm,0.2s		pmx	pmx	pmx	20 38 56.3	-0.2	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=E,61nm,0.2s		smx	smx	smx	20 38 56.3	-0.2	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=N,254nm,0.3s		smx	smx	smx	20 38 56.3	-0.2	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
GRPR	comp=E,318nm,0.4s		smx	smx	smx	20 38 56.3	-0.2	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	Nemuro 2	4.52 248	P	Pn	Pn	20 38 10.9	-0.6	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	comp=E,478nm,0.3s		eS	Sn	Sn	20 38 12.5	+1.0	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	GLVR Golovnino	4.53 254	eS	Sn	Sn	20 39 03.3	+0.5	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	comp=E,363nm,0.3s		A	A	A	20 39 09.4		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	comp=E,478nm,0.3s		A	A	A	20 39 09.4		ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	GLVR Golovnino	4.53 254	eP	Pn	Pn	20 38 12.5	+1.0	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	comp=Z,240nm,0.4s		pmx	pmx	pmx	20 39 03.3	+0.5	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	comp=N,95nm,0.2s		pmx	pmx	pmx	20 39 03.3	+0.5	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	comp=E,97nm,0.2s		smx	smx	smx	20 39 03.3	+0.5	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
NEM2	comp=E,478nm,0.3s		smx	smx	smx	20 39 03.3	+0.5	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
JRA	Rausu	4.73 257	P	Pn	Pn	20 38 15.5	+1.2	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				
JRA	comp=N,363nm,0.2s		eS	Sn	Sn	20 39 09.5	+1.6	ASAJ Asahikawa	6.45 264	eP	eP	eP	20 39 58.6 -1.2				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GERES, VTS, and CSEM.

CSEM 07 20:47:10.7,27.64N,18.11W, h18km, ML3.5, Canary Islands region

Main table for CSEM 07 20:47:10.7,27.64N,18.11W, h18km, ML3.5, Canary Islands region. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

CSEM 07 20:52:13.3,27.66N,18.12W, h21km, ML3.6, Canary Islands region

Main table for CSEM 07 20:52:13.3,27.66N,18.12W, h21km, ML3.6, Canary Islands region. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Text block containing station coordinates and error ellipses for stations like KRSC, MOS, IDC, and ISC.

ISC 07 20:54:43.5, 1.2, 53.37N, 0.03, 160.77E, h0.03, h16km, 8km, n110, c149/144, mb3.9/13, 1C-1D, Near east coast of Kamchatka Peninsula

Main table for ISC 07 20:54:43.5, 1.2, 53.37N, 0.03, 160.77E, h0.03, h16km, 8km, n110, c149/144, mb3.9/13, 1C-1D, Near east coast of Kamchatka Peninsula. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MTRV, GRL, TUMD, PETK.

CSEM 07 20:56:07.0, 0.7, 27.73N, 0.05, 18.09W, h28km, ML3.7, Canary Islands region

Main table for CSEM 07 20:56:07.0, 0.7, 27.73N, 0.05, 18.09W, h28km, ML3.7, Canary Islands region. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

CSEM 07 20:56:09.9, 0.9, 36.98N, 27.62E, h22km, ML2.5/8

Main table for CSEM 07 20:56:09.9, 0.9, 36.98N, 27.62E, h22km, ML2.5/8. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region

Main table for CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CORC, CTAD, CJUL, CMCL, CRST, CTAN, CCUM, CMCL, CRST, CTIG, PMAR, PMP.

CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region

Main table for CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region

Main table for CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region

Main table for CSEM 07 21:00:16.8, 27.65N, 18.12W, h18km, ML3.8, Canary Islands region. Columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

IDC 07 21:00:57.5, 1.6, 10.00N, 92.65E, h0km, mb3.5/4, mb1 3.7/0.5, mb1mx3.2/70, mbtmp3.4/5, ML3.3/1, Error ellipse: s-maj=51.8km s-min=26.3km az=62.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR, H08S3, H08S2, H08S1, SONM, WRA.

7d 22h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes ASAR Alice Springs, GERES GERES Array B, MAN 07 21:08:11.3, 13:61N:120.07E, h1km, mb4.8, ML3.7, MS3.6, 1C, Mindoro.

MAN 07 21:08:11.3, 13:61N:120.07E, h1km, mb4.8, ML3.7, MS3.6, 1C, Mindoro

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes LUBP Lubang, TGY Tagaytay City, SCZP Santa Cruz, PCPH Palayan, BALP Baler, BOLP Bolinao.

IDC 07 21:08:56.4, 3.5, 6:16S:150.15E, h0km, mb3.6/3, mb1.3/9/3, mb1mx3.4/4, mbtmp3.7/3, Error ellipse: s-maj=109.9km s-min=46.8km az=119.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, TORD Torodi Ar. Bea.

IDC 07 21:38:39.8, 1.7, 3:45S:149.23E, h0km, mb3.8/5, mb1.4/1/5, mb1mx3.6/45, mbtmp3.9/5, MS3.9/12, Ms1.3/9/12, ms1mx3.6/32, Error ellipse: s-maj=61.8km s-min=24.1km az=121.0

ISCJBJ 07 21:38:41.0, 1.7, 3:25O:149.139E, 0.15, h20km, mb3.7/5, MS3.9/11, Error ellipse: s-maj=78.4km s-min=19.9km az=29.5

GCMT 07 21:38:40.0, 0.4, 3:41S:149.26E, h23km, MW4.8/74, Moment Tensor Solution. s10,c11; s74,c99; Duration: 0 Moment tensor: Scale 10^10Nm; Mir-0.21:15; Mho-0.92:11; Mhp-0.70:12; Mno-0.29:18; Mlo-1.89:09; Mhr-0.21:16; Best double couple: Ms2.09200x10^16

NP1:ms281.00000*, s85.00000*, -1-10.00000*, NP2:ms12.00000*, s80.00000*, -1-175.00000* Principal axes: T: 2.1690, Plg3.0000*, Azm327.0000*; N: -0.1530, Plg79.0000*, Azm73.0000*; P: 2.0160, Plg11.0000*, Azm236.0000*; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 07 21:38:42.5, 2.1, 3:55O:149.3E, 0.6, h20km, n16, o#77/6, mb3.8/5, MS4.0/11, Bismark Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes HNR Honiara, WRA Warramunga Arr, DZM Mont Dzumak, ASAR Alice Springs, ASAR Alice Springs, BATI Baumata, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, STKA Stephens Creek, JCJ Chichijima, JHJ Hachijo jima, NWAO Narrogin (SRO), ILAR Eielson Array, MAW Mawson, BVAR Borovoye Array, YBH Yreka Blue Hor, NVAR Mina Array Bea, TORD Torodi Ar. Bea.

IDC 07 21:49:43.7, 0.2, 20:31N:45:51W, h0km, mb3.7/10, mb1.3/9/10, mb1mx3.6/59, mbtmp3.7/10, MS3.0/2, Ms1.3/0/2, ms1mx2.7/58, Error ellipse: s-maj=24.7km s-min=21.4km az=127.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes SJG San Juan, PTGA Pitinga, SIV San Ignacio, H10N3 ASCENSION HYDR1, H10N2 ASCENSION HYDR1, H10N1 ASCENSION HYDR1, H10S3 ASCENSION HYDR2, H10S2 ASCENSION HYDR2, TORD Torodi Ar. Bea, CPUP Villa Florida, HFS Hagfors, PDAR Pinedale Array, YKA Yellowknife Ar, MLR Muntele Rosu, FINES FINES Array B, BRTR Keskin Array B, ILAR Eielson Array.

ISCJBJ 07 22:08:34.6, 0.5, 9:32S:102:93E, 0.07, h264km, mb3.5/4, Error ellipse: s-maj=9.5km s-min=5.6km az=4.1, DJA 07 22:08:35.6, 0.5, 9:29S:12:9E, h264km, 7km, M4.5/8, mb4.7/7, mb4.9/6, ML4.6/8, MW4.6/8, 2/5

IDC 07 22:08:35.2, 1.5, 5:83S:128.88E, h287km, 17km, mb3.5/3, mb1.4/1/9, mb1mx3.4/52, mbtmp4.7/9, Error ellipse: s-maj=22.3km s-min=9.9km az=74.0

ISC 07 22:08:34.0, 0.7, 5:32S:102:94E, 0.08, h264km, n17, o#153/23, mb3.5/4, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes AAI Ambon, MSAI Masohi.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes MSAI Sanana, SANI Sanana, LBMI Labuha, SIJI Sorong, BATI Baumata, BATI Baumata, TNTI Ternate, EDFI Endre, JAY Jayapura, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arr.

IDC 07 22:46:38.8, 2.9, 30:71S:177.61W, h0km, mb3.6/2, mb1.3/9/3, mb1mx3.5/42, mbtmp3.7/3, ML3.1/1, Error ellipse: s-maj=67.3km s-min=27.5km az=109.0, Kermadec Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes RAO Raoul Island, RAO Raoul Island, URZ Urewera, URZ Urewera, WRA Warramunga Arr, FINES FINES Array B.

IDC 07 22:47:23.9, 7.3, 14:28N:92:75W, h0km, mb3.7/2, mb1.4/0/4, mb1mx3.6/45, mbtmp3.6/4, ML3.3/2, Error ellipse: s-maj=153.4km s-min=82.8km az=25.0

MEX 07 22:47:24.0, 0.5, 17:02N:107:14W, h14km, 88km, MD3.9

ISC 07 22:47:29.5, 2.1, 14:22N:102:93O, h0.08, h37km, n8, o#1507/12, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes THIG Thielake, THIG Thielake, CCIG Comitan, TGIG Tigi, TGIG Tigi, CMIG Matias Romero, CMIG Matias Romero, TXAR Lajitas Array, NVAR Mina Array Bea, YKA Yellowknife Ar.

BUI 07 22:49:15.5, 17:49S:66:57E, h10km, mb4.8/43, mb5.1/35, Ms4.8/29, Ms7.4/5/30

IDC 07 22:49:18.0, 0.4, 17:01S:66:87E, h0km, mb4.5/30, mb2.1.4/6/31, mb1mx4.5/64, mbtmp4.5/31, ML4.2/1, MS4.4/52, Ms1.4/4/52, ms1mx4.3/65, Error ellipse: s-maj=12.6km s-min=11.2km az=60.0

ISCJBJ 07 22:49:19.0, 0.2, 17:08S:0:04, 66:92E, 0:04, h13km, mb4.8/135, MS4.5/64, Error ellipse: s-maj=5.5km s-min=4.8km az=19.8

MOS 07 22:49:19.3, 1.0, 17:03S:66:93E, h17km, mb5.1/36, Error ellipse: s-maj=10.4km s-min=6.0km az=101.1

NEIC 07 22:49:20.1, 0.2, 17:08S:66:98E, h10km, mb5.0/55, Error ellipse: s-maj=7.5km s-min=5.8km az=203.0

GCMT 07 22:49:20.1, 0.1, 17:02S:66:78E, h14km, MW5.3/111, Moment Tensor Solution. s77,c111; s111,c203; Duration: 1s1 Moment tensor: Scale 10^11Nm; Mir-0.09:01; Mho-0.90:02; Mhp-0.98:02; Mno-0.20:03; Mlo-1.07:01; Mlr-0.20:03; Best double couple: Ms1.03500x10^17 NP1:ms236.00000*, s89.00000*, 7.15.00000*, NP2:ms146.00000*, s75.00000*, 1.79.00000*

Principal axes: T: 1.1019, Plg11.0000*, Azm102.0000*; N: -0.1020, Plg75.0000*, Azm238.0000*; P: -0.9990, Plg10.0000*, Azm10.0000*; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 07 22:49:20.3, 0.3, 17:16S:0:05, 66:77E, 0:05, h13km, n542, o#150/540, mb4.9/135, MS4.4/65, 30C-20D, Mauritius-Reunion region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes MRIV Mauritius Mete, H0S1 Diego Garcia H, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, H0S2 Diego Garcia H, ABPO Ambohimpanom, ABPO Ambohimpanom, OPO Ampohidratom, OPO Ampohidratom, OPO Ampohidratom, H0M Hanimaadhdh, PALK Palikelele, KMBO Diego Garcia H, GSI Gunungstilit, ATD Arta Tunnel, LSZ Lusaka, LSZ Lusaka, PSI Prapat, PSI Prapat.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes PSI Prapat, BOSA BOSA, WSAW Wadi Sarin, LEM Lembang, SMRI Semarang, RAYN Ar Rayn, RAYN Ar Rayn, H0W13 Cape Leeuwin H, H0W12 Cape Leeuwin H, H0W11 Cape Leeuwin H, UMPA Umpang Tak, BRDH Baridadhala, TSUMBE Tsambe, JAGU Jajag, Banyuwa, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, PBKT Sadao Pong, PHIT Phitsanulok, PYUN Piuthan, CHTO Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, CMMT Chiang Mai, RAMM Ramite, NWAO Narrogin (SRO), DMN Daman, PKIN Phulhokki, GKN Gorkha, KKN Kakar, JIRN Jiri, CMAI Chiengmaiz, SHL Shillong, SKNT Sakolnakhorn, NBWA Nwabar Bar, NONG Nongkai, MAW Mawson, MAW Mawson, MAW Mawson, MAW Mawson, NIL Nilore, NIL Nilore, NIL Nilore, KBL Kabul, KBL Kabul, KBL Kabul, SYO Syowa Base, SYO Syowa Base, MMRI Maumere, KMI Kunming, KMI Kunming, KMI Kunming, GEYT Alibeck, GEYT Alibeck, GYA08 ALIBECK ARRAY, BATI Baumata, BATI Baumata, QIZ Qiongzong, QIZ Qiongzong, QIZ Qiongzong, QIZ Qiongzong, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, SOEI Soe, CASEY Casey, FORT Forrest, KSH Kashi, KSH Kashi, KSH Kashi, KSH Kashi, LUWI Luwulu, GYA Guiyang, GYA Guiyang, GYA Guiyang, GYA Guiyang.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like GYA, MMAL, CD2, AAK, KK31, etc.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like SNA, AKTO, KURB, KURK, STKA, VNA1, etc.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like BURAR, BUR04, VANDA, VVNA, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like R38A Fenwick Farm, S39A Bolivar, J50D Fort Rock, etc.

IDC 07 23:54:56.2, 0.8, 20.33N, 45.59W, h0km, mb3.8/9, mb1 4.0/9, mb1mx3.6/4, mbtmp3.8/9, Error ellipse: s-maj=27.9km s-min=21.8km az=129.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like H10N3 ASCENSION HYDR41.45 129, H10N2 ASCENSION HYDR41.46 129, etc.

ISC/JB 07 23:01:28.9, 0.8, 20.33N, 0.1, 45.7W, 0.1, h10km, mb4.2/18, MS3.4/11, Error ellipse: s-maj=22.2km s-min=17.4km az=152.1

IDC 07 23:01:29.2, 1.0, 20.37N, 45.71W, h0km, mb3.9/12, mb1 4.1/12, mb1mx3.6/1, mbtmp3.9/12, MS3.4/12, MS1 3.4/12, ms1mx3.2/5.5, Error ellipse: s-maj=27.3km s-min=22.2km az=176.0

ISC 07 23:01:30.8, 0.9, 20.33N, 0.2, 45.7W, 0.2, h10km, n95, 1501/18, mb4.3/18, MS3.5/11, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SJG San Juan, PTGA Pitinga, ROSC El Rosal, etc.

ISC/JB 07 23:31:40.3, 0.4, 55.67S, 0.06, 27.3W, 0.1, h10km, mb4.8/24, MS4.0/12, Error ellipse: s-maj=10.7km s-min=7.3km az=43.6

NEIC 07 23:31:46.3, 1.5, 55.70S, 27.32W, h43km, 12km, mb4.7/14, Error ellipse: s-maj=10.2km s-min=6.8km az=47.0

IDC 07 23:31:47.6, 2.3, 55.74S, 27.28W, h52km, 20km, mb4.6/15, mb1 4.6/16, mb1mx4.3/3.1, mbtmp4.8/16, ML4.5/1, MS4.0/13, MS1 3.9/13, ms1mx3.8/30, Error ellipse: s-maj=16.1km s-min=12.9km az=66.0

ISC 07 23:31:41.7, 0.4, 55.71S, 0.09, 27.30W, 0.09, h10km, n95, 15154/89, mb4.8/23, MS4.0/12, 1C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, YKA Yellowknife Ar, KURBB Kurchatov Ar, etc.

JMA 07 23:34:33.2, 35.24N, 135.24E, h12km, 1km, M2.5, Western Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like JWJ Wachi, JYJ Yasaka, JKY Kasai, etc.

NIED 07 23:42:00, 33.70N, 136.10E, h400km, Mw4.6 Best double couple: M9.13000, 0.1015 NP1.0e5, 55.00000, 340.00000, 1.163.00000, NP2.0e5, 158.00000, 679.00000, 7.51.00000

JMA 07 23:42:41.7, 0.1, 33.72N, 136.12E, h411km, 1km, M3.6 IDC 07 23:42:42.5, 0.8, 33.72N, 136.03E, h409km, 8km, mb3.5/28, mb1 3.6/35, mb1mx3.5/7.7, mbtmp4.3/35, Error ellipse: s-maj=9.9km s-min=8.9km az=108.0

MOS 07 23:42:42.1, 0.8, 33.85N, 136.01E, h408km, mb3.4/44, Error ellipse: s-maj=8.4km s-min=5.9km az=89.7

ISC/JB 07 23:42:42.0, 2.0, 33.80N, 0.04, 136.03E, 0.03, h410km, 1km, mb4.2/136, Error ellipse: s-maj=6.3km s-min=3.7km az=157.3

NEIC 07 23:42:42.9, 0.3, 33.75N, 136.03E, h405km, 2km, mb4.4/99, Error ellipse: s-maj=5.1km s-min=3.0km az=159.0

ISC 07 23:42:42.6, 0.5, 33.78N, 0.05, 136.02E, 0.04, h405km, 4km, n26.1, 1509/29, mb4.3/136, 9C-11D, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like JWZ Kozaga, JYJ Kouya, JJE Ise, etc.

7d 23h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YSS, KUR, KLR, GRNR, TPUB, TYV, HIA, HHC, ZEA, SKR, ENH, PEAOB, ULN, SONA1, GYA, MA2, YAK, TLY, SEY, NONG, PBKT, CHTO, CMAR, CM01, KIWB, TIXI, BILL, WMQ, GSTR, DGZ, ATKA, ZAAO, ZALV, ZALV, ZALV, SAUI, MK01, MK03, MK31, MKAR, MKAR, MKAR.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MKAR, MAKZ, NIKH, KURK, KURK, KURB, ANM, ANM, ANM, GSI, BVAR, BRVK, BRVK, KK31, KK31, KKAR, KKAR, PPLA, CAST, KDKA, KDKA, FITZ, SKT, KTH, MLY, CNPM, SUA, COLD, COLD, TOLK, WRA, BWN, RC01, MCK, MCK, PMR, PMR, GHO, MDM, WRB, CCB, ILI, HDA, DIV, HAR, ARU, ARU, ARU, ARU, ARU, BMRM, RAGM, RAGM, CROM, TGL, BALM, BALM, BALM, AS01, ASAR, AKTO, AKTO, JIS, DLBO, ARCES, RES, RES, RES, RES, OBN, OBN, VSR, VSR, DAG, DAG, DAG, YKVA, YKVA, FINES, KBZ, VSU, VSU, LLLB, NLWA, SUMG, SUMG, SUMG, SUMG, AKASO, AKASO.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KIEV, B08A, HFS, NB2, NEW, NEW, NEW, PINE, YBH, YBH, YBH, YBH, E09A, K05A, WALA, MOD, BMO, BMO, BMO, J08A, BR13, BR1R, WVOR, WVOR, WVOR, KWP, KWP, FFC, FFC, PAHR, HRY, YERR, EGMT, HLID, BMN, BMN, BOZ, BOZ, RYN, KVN, KVN, KVN, NV01, NVAR, IMW, CLL, FXWY, RLMT, HVU, HVU, HVU, REDW, DAC, DAC, DAC, BGU, R11A, SPUT, TPNV, TPNV, TPNV, HWUT, DUG, KHC, KHC, GERES, TCUT, BW06, PD31, PDAR, PDAR, PSUT, GSC, GSC, GSC, SHPR, MSU, MSU, P17A, LCMT, PFO, PFO, PFO, XPTO, MTPU, P18A, SRU, SRU, SRU.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like White River Ci, Paradox Valley, Snowmass, Albuquerque, etc.

ISCJB 07 23:48:06.5, 0.6, 32.992S: 0.04: 178.4W: 0.1, h35km, mb4.8/26, MS4.0/22, Error ellipse: s-maj=12.7km

IDC 07 23:48:09.7, 3.6, 32.645S: 178.51W, h40km, 30km, mb4.2/13, mb1.4/3.14, mb1mx4.1/42, mbtmp4.4/14, ML4.7/1, MS3.9/22, Ms1.3/9/22, ms1mx3.8/44, Error ellipse: s-maj=21.6km

BUII 07 23:48:20.2, 33.71S: 179.54W, h88km, mb5.1/9, MS4.7/2 WEL 07 23:48:21.0, 33.46S: 179.64W, h83km

NEIC 07 23:48:21.3, 1.3, 33.46S: 179.64W, h83km, mb4.7/13, Error ellipse: s-maj=12.6km s-min=9.2km az=10km

ISC 07 23:48:09.4, 0.5, 32.805S: 0.05: 178.46W: 0.09, h35km, n137, e29/104, mb4.8/26, MS4.0/23, 1C, South of Kermadec Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Green Lake, Raoul Island, Matakaoa Point, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Casey, Narrogin (SRO), HLP, GSPA, etc.

ISCJB 07 23:54:15.5, 36.45N: 28.96E, h32km, ML3.4, Error ellipse: s-maj=3.5km s-min=1.3km az=159.0

ISC 07 23:54:16.4, 0.4, 36.40N: 28.96E, h22km, ML3.2/15, Error ellipse: s-maj=4.4km s-min=3.3km az=179.0

THE 07 23:54:16.6, 36.40N: 28.96E, h13km, 1km, ML2.8/3, Error ellipse: s-maj=1.4km s-min=0.5km az=81.0

CSEM 07 23:54:16.2, 0.1, 36.40N: 28.96E, h20km, ML3.4, Error ellipse: s-maj=3.5km s-min=2.5km az=1.0

ISC 07 23:54:15.2, 1.2, 36.41N: 0.02: 28.93E: 0.02, h10km, 10km, n82, e075/127, Dodecanese Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CASY, NWAOW, HLP, GSPA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like FETY, FETHIYE, GSPA, etc.

NEIC 08 00:11:14.6, 0.6, 30.37S: 177.22W, h10km, mb4.7/12, Error ellipse: s-maj=13.1km s-min=7.0km az=99.0

IDC 08 00:11:14.6, 0.5, 30.56S: 177.54W, h10km, mb4.3/12, mb1.4/5.13, mb1mx4.2/42, mbtmp4.3/13, ML4.5/1, MS3.7/21, Ms1.3/7/21, ms1mx3.5/47, Error ellipse: s-maj=19.5km

BUII 08 00:11:16.3, 30.35S: 177.56W, h84km, mb5.2/7, mb5.3/4, MS4.9/2, MS7.4/8/2

ISCJB 08 00:11:18.3, 0.5, 30.54S: 0.04: 177.52W: 0.10, h33km, mb4.8/21, MS3.8/19, Error ellipse: s-maj=11.9km

ISC 08 00:11:18.7, 0.5, 30.47S: 0.06: 177.30W: 0.10, h33km, n103, e176/108, mb4.7/21, MS3.9/19, 2C, Kermadec Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KSL, ARG, ARK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like GRUS, LK02, XOR, etc.

ISCJB 08 02:06:55.6:0.6, 18.6S:0.1:65.6E:0.1, h15km, mb3.9/9, MS3.4/7, Error ellipse: s-maj=18.8km s-min=16.6km az=28.9

IDC 08 02:06:55.2:0.9, 18.68S:65.53E, h0km, mb3.8/7, mb1.3/9, mb1mx3.6/67, mbtmp3.8/8, ML3.3/1, MS3.4/8, Ms1.3/4.8, ms1mx3.0/51.8, Error ellipse: s-maj=33.7km s-min=22.3km az=81.0

NEIC 08 02:06:56.6:0.4, 18.66S:65.53E, h10km, mb4.3/2, Error ellipse: s-maj=13.2km s-min=11.0km az=204.0

ISC 08 02:06:57.5:0.8, 18.7S:0.2:65.5E:0.2, h15km, n19, c#030/12, mb4.0/9, MS3.4/7, Mauritius-Reunion region

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

SOME 08 02:53:02.4, 43.55N:82.50E, h20km, mb3.7/8, Error ellipse: s-maj=27.3km s-min=7.1km az=130.0

ISC 08 02:53:01.6:2.6, 43.49N:0.10:82.4E:0.1, h4km, mb14km, n10, c#160/17, 5C-1D, Northern Xinjiang

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

ISCJB 08 02:56:60.0:0.6, 7.80S:0.06:127.68E:0.08, h162km, mb3.7/8, Error ellipse: s-maj=10.6km s-min=8.2km az=3.6

IDC 08 02:57:02.4:2.0, 7.61S:127.46E, h164km, mb3.6/8, mb1.3/7.1, mb1mx3.4/52, mbtmp4.1/1.1, Error ellipse: s-maj=21.2km s-min=13.5km az=60.0

ISC 08 02:57:02.1:0.7, 7.72S:0.10:127.6E:0.1, h162km, n16, c#148/16, mb3.7/8, Banda Sea

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

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

ISCJB 08 02:57:48.7:0.7, 7.06S:0.06:129.55E:0.08, h139km, mb3.6/3, Error ellipse: s-maj=11.4km s-min=8.4km az=178.7

IDC 08 02:57:50.3:2.2, 7.05S:129.49E, h137km, mb3.5/3, mb1.3/6.8, mb1mx3.2/56, mbtmp4.0/8, Error ellipse: s-maj=25.7km s-min=19.3km az=112.0

ISC 08 02:57:49.2:1.0, 7.22S:0.07:129.7E:0.1, h139km, n8, c#270/11, mb3.7/3, Banda Sea

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

NIED 08 03:01:00, 32.50N:141.80E, h5km, Mw3.8 Best double couple: M6.16000x1014 NP1.0s172.00000, s37.00000, t31.00000, NP2.0s57.00000, s72.00000, t123.00000

ISCJB 08 03:01:07.2:0.5, 32.40N:0.04:141.97E:0.06, h10km, mb4.0/17, Error ellipse: s-maj=8.4km s-min=4.8km az=155.9

IDC 03:01:07.0:0.9, 32.38N:141.87E, h0km, mb3.8/12, mb1.3/9.15, mb1mx3.7/65, mbtmp3.9/15, ML3.9/5, MS2.8/5, Ms1.2/8.5, ms1mx2.5/64, Error ellipse: s-maj=26.5km s-min=15.4km az=67.0

JMA 08 03:01:09.9:0.1, 32.47N:141.82E, h13km, M3.6, NEIC 08 03:01:09.9:3.3, 32.40N:142.05E, h17km, mb21km, mb4.3/5, Error ellipse: s-maj=16.0km s-min=8.1km az=79.0

ISC 08 03:01:08.0:5.0, 32.37N:0.05:141.99E:0.08, h10km, n42, c#1567/49, mb4.0/17, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like JAOM, JHJ, BSO1, etc.

ISCJB 08 03:15:54.6:0.3, 41.118N:0.07:145.02E:0.07, h2km, n22km, n18, c#158/22, mb3.5/6, Hokkaido region

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

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

KRNET 08 03:04:24.0:1.4, 41.27N:71.04E, h14km, mb2.5, ISCJB 08 03:04:25.7:0.5, 41.28N:0.03:70.97E:0.04, h10km, Error ellipse: s-maj=5.6km s-min=1.0km az=14.8

SOME 08 03:04:25.1, 41.25N:70.95E, h15km, NNC 08 03:04:26.0:1.7, 41.27N:71.05E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=16.1km s-min=10.4km az=53.0

ISC 08 03:04:24.7:1.0, 41.26N:0.04:70.98E:0.04, h10km, n21, c#146/37, 33C-2D, Kyrgyzstan

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

CSEM 08 03:12:14.2:0.4, 37.29N:42.62E, h2km, ML2.9, Error ellipse: s-maj=17.5km s-min=5.0km az=54.0

ISN 08 03:12:18.0:3.3, 36.63N:42.28E, h0km, ML2.2, ISK 08 03:12:13.8, 37.31N:42.61E, h5km, ML2.9/4, Turkey

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

NIED 08 03:15:00, 41.10N:145.20E, h5km, Mw3.6 Best double couple: M6.24000x1014 NP1.0s182.00000, s35.00000, t93.00000, NP2.0s354.00000, s55.00000, t95.00000

JMA 08 03:15:54.6:0.3, 41.118N:0.07:145.02E:0.07, h2km, M3.5, ISCJB 08 03:15:55.5:1.8, 41.32N:0.08:145.09E:0.08, h12km, 15km, mb3.4/6, Error ellipse: s-maj=14.7km s-min=9.4km az=157.0

IDC 08 03:16:18.5:2.2, 45.25N:144.39E, h0km, mb3.5/6, mb1.3/7.6, mb1mx3.4/68, mbtmp3.5/6, MS2.4/1, Ms1.2/4.1, ms1mx2.0/60, Error ellipse: s-maj=49.6km s-min=25.1km az=145.0

ISC 08 03:15:52.4:3.5, 41.118N:0.07:145.02E:0.07, h2km, n22km, n18, c#158/22, mb3.5/6, Hokkaido region

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

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
JCH	Churui	1.89	320	P	03 16 27.1 -0.6	Pb
JCH	Onbets	1.93	333	eS	03 16 49.7 -0.5	Sb
JOB	Urakawa-nobuka	2.02	304	P	03 16 29.8 -0.1	Pb
JNBK	Nemuro 2	2.25	14	S	03 16 54.5 -0.9	Pn
JNM2	Nemuro 2	2.25	14	S	03 16 57.5 -1.4	Sb
JAR	Ashorobuto	2.31	337	P	03 16 32.0 +0.5	Sb
JAR	Nakash	2.41	355	P	03 16 59.1 -1.4	Sb
JNK	Furan	2.68	319	P	03 17 00.1 -2.5	Sb
JFB	Nango	2.78	254	P	03 16 37.6 -0.4	Sb
JANG	Asahikawa	3.43	329	Pn	03 17 09.2 -2.9	Sb
ASAJ	0.9nm, 0.3s, baz=171, slow=7.4, SNR=5.9				03 16 49.7 +2.8	Sb
ASAJ	2.3nm, 0.3s, baz=51, slow=26, SNR=5.8				03 17 30.1 +1.8	Sb
MJAR	Matsushiro Arr 7.05 231 LR				03 22 42.8	LR
SOMN	Songino Array 28.11 297 P				03 21 53.3 +7.6	P
ZALV	Zalesovo Beam 41.34 300 P				03 23 24.1 +4.7	P
MKAR	Makanchi Array 44.2 299 P				03 24 12.2 +7.7	P
ILAR	Eielson Array 44.49 35 P				03 24 06.7 +1.9	P
KURBB	Kurchatov Arr 45.74 305 P				03 24 19.4 +4.2	P
FINES	FINES Array B 66.43 333 P				03 26 43.2 +0.4	P

s-maj=347.4km s-min=41.3km az=38.0, Fiji Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
WRA	Warramunga Arr 45.57 260 P				03 31 20.6 -0.2	P
ASAR	Alice Springs 45.62 255 P				03 31 20.9 -0.2	P
FITZ	Fitzroy Crossi 53.99 261 P				03 32 24.6 -0.1	P
VNDA	Vanda 59.57 185 P				03 33 03.5 0.0	P

0.2nm, 0.5s, baz=96, slow=7.5, SNR=3.2
0.5nm, 0.5s, baz=97, slow=8.1, SNR=7.4
3.6nm, 1.1s, baz=111, slow=14, SNR=3.1
0.4nm, 0.3s, baz=31, slow=4.8, SNR=7.4

0.2nm, 0.3s, baz=106, slow=7.5, SNR=3.2
0.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.4s, baz=91, slow=6.7, SNR=3.7
1.6nm, 0.6s, baz=103, slow=8.2, SNR=3.2
1.6nm, 0.5s, baz=117, slow=8.5, SNR=8.6

0.2nm, 0.3s, baz=106, slow=7.5, SNR=3.2
0.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.4s, baz=91, slow=6.7, SNR=3.7
1.6nm, 0.6s, baz=103, slow=8.2, SNR=3.2
1.6nm, 0.5s, baz=117, slow=8.5, SNR=8.6

0.2nm, 0.3s, baz=106, slow=7.5, SNR=3.2
0.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.4s, baz=91, slow=6.7, SNR=3.7
1.6nm, 0.6s, baz=103, slow=8.2, SNR=3.2
1.6nm, 0.5s, baz=117, slow=8.5, SNR=8.6

0.2nm, 0.3s, baz=106, slow=7.5, SNR=3.2
0.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.4s, baz=91, slow=6.7, SNR=3.7
1.6nm, 0.6s, baz=103, slow=8.2, SNR=3.2
1.6nm, 0.5s, baz=117, slow=8.5, SNR=8.6

MOS 08 03:17:00.5:0.7, 53:60N, 161:04E, h28km, mb4.2/1, Error ellipse: s-maj=9.3km s-min=4.8km az=80.7
KRSC 08 03:16:59.0:1.0, 53:51N, 161:08E, h41km, 19km, ML4.0, Off east coast of Kamchatka Peninsula

ISCJB 08 04:12:35.7:0.5, 42:80N, 0:04:143:76E, 0:04, h92km, 3km, mb3.7/5, Error ellipse: s-maj=7.1km s-min=4.9km az=158.1
NEIC 08 04:12:36.1:2.5, 42:88N, 144:07E, h92km, 11km, mb4.2/1, Error ellipse: s-maj=53.5km s-min=13.2km az=79.0
JMA 08 04:12:36.8:0.1, 42:82N, 143:71E, h85km, 1km, M3.3, Broadband fault plane solution: P waves. NP1: 0.221, 0.0000, 0.87, 0.0000, 0.121, 0.0000, NP2: 0.316, 0.0000, 0.81, 0.0000, 0.16, 0.0000. Principal axes: T P1g4.0000, Azm159.0000, N P1g31.0000, Azm39.0000, P P1g35.0000, Azm285.0000

0.2nm, 0.3s, baz=106, slow=7.5, SNR=3.2
0.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.5s, baz=95, slow=12, SNR=4.4
1.2nm, 0.4s, baz=91, slow=6.7, SNR=3.7
1.6nm, 0.6s, baz=103, slow=8.2, SNR=3.2
1.6nm, 0.5s, baz=117, slow=8.5, SNR=8.6

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SPN	Mys Shipunski	0.81	232	iP	03 17 15.4 +1.4	Pn
SPN	Mys Shipunski	0.81	232	PN	03 17 25.9 +1.0	Pn
SPN	Mys Shipunski	0.81	232	PN	03 17 15.4 +1.4	Pn
SPN	Mys Shipunski	0.81	232	PN	03 17 25.9 +1.0	Pn
MKZ	Mys Kozlova	1.02	22	eS	03 17 18.1 +1.2	Sb
MKZ	Mys Kozlova	1.02	22	eS	03 17 30.8 +0.8	Sb
MKZ	Mys Kozlova	1.02	22	eS	03 17 18.1 +1.2	Sb
MKZ	Mys Kozlova	1.02	22	eS	03 17 30.8 +0.8	Sb
KIL	Karymskiy	1.06	295	eS	03 17 18.4 +1.0	Sb
KIL	Karymskiy	1.06	295	eS	03 17 31.0 0.0	Sb
KIL	Karymskiy	1.06	295	PN	03 17 18.4 +1.0	Sb
KIL	Karymskiy	1.06	295	PN	03 17 31.0 0.0	Sb
NLC	Nalytchevo	1.13	248	eS	03 17 19.7 +1.4	Sb
NLC	Nalytchevo	1.13	248	eS	03 17 33.9 +1.4	Sb
NLC	Nalytchevo	1.13	248	PN	03 17 19.7 +1.4	Sb
NLC	Nalytchevo	1.13	248	PN	03 17 33.9 +1.4	Sb
SDLR	Sedlovina	1.35	257	eP	03 17 23.3 +1.8	Sb
SDLR	Sedlovina	1.35	257	PN	03 17 23.3 +1.8	Sb
SMAR	Somma	1.41	257	PN	03 17 24.1 +1.8	Sb
SMAR	Somma	1.41	257	PN	03 17 24.1 +1.8	Sb
UGLR	Uglovaya	1.41	254	PN	03 17 24.2 +1.9	Sb
UGLR	Uglovaya	1.41	254	PN	03 17 25.0 +1.8	Sb
KRX	Arik	1.47	261	eP	03 17 42.5 +1.2	Sb
KRX	Arik	1.47	261	PN	03 17 42.5 +1.2	Sb
KRX	Arik	1.47	261	PN	03 17 25.0 +1.8	Sb
KRX	Arik	1.47	261	PN	03 17 42.5 +1.2	Sb
KOK	Koryaka	1.50	259	eP	03 17 25.2 +1.7	Sb
KOK	Koryaka	1.50	259	PN	03 17 25.2 +1.7	Sb
DALK	Dalny	1.51	248	eP	03 17 25.5 +2.0	Sb
DALK	Dalny	1.51	248	PN	03 17 43.9 +1.9	Sb
DALK	Dalny	1.51	248	PN	03 17 25.5 +2.0	Sb
DALK	Dalny	1.51	248	PN	03 17 43.9 +1.9	Sb
PET	Petrovoplovsk	1.57	249	eS	03 17 26.5 +2.1	Sb
PET	Petrovoplovsk	1.57	249	ePN	03 17 45.0 +1.6	Sb
PET	Petrovoplovsk	1.57	249	eS	03 17 26.5 +2.1	Sb
PET	Petrovoplovsk	1.57	249	ePN	03 17 45.0 +1.6	Sb
PET	comp=Z, 69nm, 0.7s				pmax	smax
PET	comp=N, 271nm, 0.3s				smax	smax
PET	comp=E, 426nm, 0.4s				smax	smax
TUMR	Tumrok	1.77	342	eP	03 17 29.7 +2.5	Sb
TUMR	Tumrok	1.77	342	eS	03 17 50.5 +2.0	Sb
TUMR	Tumrok	1.77	342	PN	03 17 29.7 +2.5	Sb
TUMR	Tumrok	1.77	342	PN	03 17 50.5 +2.0	Sb
GNL	Ganally	1.87	274	iP	03 17 31.1 +2.5	Sb
GNL	Ganally	1.87	274	PN	03 17 31.1 +2.5	Sb
KMRM	Karymskiy	1.94	247	eP	03 17 54.6 +2.1	Sb
KMRM	Karymskiy	1.94	247	PN	03 17 54.6 +2.1	Sb
KMRM	Karymskiy	1.94	247	PN	03 17 31.4 +1.9	Sb
KMRM	Karymskiy	1.94	247	PN	03 17 54.6 +2.1	Sb
RUS	Russkaya	1.95	234	eP	03 17 53.7 +1.0	Sb
RUS	Russkaya	1.95	234	PN	03 17 39.3 +2.4	Sb
RUS	Russkaya	1.95	234	PN	03 17 53.7 +1.0	Sb
RUS	Russkaya	1.95	234	PN	03 17 39.3 +2.4	Sb
MTVR	Mutnovka	2.08	238	eP	03 17 58.1 +1.8	Sb
MTVR	Mutnovka	2.08	238	PN	03 17 33.9 +2.4	Sb
MTVR	Mutnovka	2.08	238	PN	03 17 58.1 +1.8	Sb
MTVR	Mutnovka	2.08	238	PN	03 17 33.9 +2.4	Sb
KMNR	Kamenistaya	2.21	348	iP	03 17 37.1 +3.9	Sb
KMNR	Kamenistaya	2.21	348	PN	03 17 37.1 +3.9	Sb
ASAK	Asacha	2.28	239	eP	03 17 37.8 +3.6	Sb
ASAK	Asacha	2.28	239	PN	03 17 37.8 +3.6	Sb
ASAK	Asacha	2.28	239	PN	03 17 37.8 +3.6	Sb
ASAK	Asacha	2.28	239	PN	03 17 37.8 +3.6	Sb
BZMR	Bezymyannaya	2.36	352	eP	03 17 39.4 +3.7	Sb
BZMR	Bezymyannaya	2.36	352	PN	03 17 39.4 +3.7	Sb
BZMR	Bezymyannaya	2.36	352	PN	03 17 39.4 +3.7	Sb
BZMR	Bezymyannaya	2.36	352	PN	03 17 39.4 +3.7	Sb
BZWR	Bezymyanni-We	2.38	352	PN	03 17 39.4 +3.7	Sb
BZWR	Bezymyanni-We	2.38	352	PN	03 17 39.4 +3.7	Sb
KIRR	Kirishev	2.39	350	PN	03 18 07.0 +3.1	Sb
KIRR	Kirishev	2.39	350	PN	03 17 39.3 +3.5	Sb
KIRR	Kirishev	2.39	350	PN	03 18 07.0 +3.1	Sb
KIRR	Kirishev	2.39	350	PN	03 17 39.3 +3.5	Sb
KPT	Kopyto	2.42	348	eP	03 17 39.0 +2.9	Sb
KPT	Kopyto	2.42	348	PN	03 17 40.2 +4.0	Sb
KPT	Kopyto	2.42	348	PN	03 17 39.0 +2.9	Sb
KPT	Kopyto	2.42	348	PN	03 17 40.2 +4.0	Sb
ZLN	Zelenaya	2.42	356	eS	03 18 09.3 +4.7	Sb
ZLN	Zelenaya	2.42	356	PN	03 17 40.2 +4.0	Sb
ZLN	Zelenaya	2.42	356	PN	03 18 09.3 +4.7	Sb
ZLN	Zelenaya	2.42	356	PN	03 17 40.2 +4.0	Sb
APC	Apacha	2.45	255	eP	03 18 09.4 +4.2	Sb
APC	Apacha	2.45	255	PN	03 18 09.4 +4.2	Sb
APC	Apacha	2.45	255	PN	03 18 09.4 +4.2	Sb
APC	Apacha	2.45	255	PN	03 18 09.4 +4.2	Sb
LGNR	Loginova	2.49	355	eP	03 17 41.5 +4.2	Sb
LGNR	Loginova	2.49	355	PN	03 17 41.2 +3.6	Sb
LGNR	Loginova	2.49	355	PN	03 17 41.5 +4.2	Sb
LGNR	Loginova	2.49	355	PN	03 17 41.2 +3.6	Sb
CIRR	Tsirk	2.52	356	eP	03 17 39.3 +4.9	Sb
CIRR	Tsirk	2.52	356	PN	03 17 39.3 +4.9	Sb
KOZ	Kozyrevsk	2.55	345	PN	03 17 39.8 +1.9	Sb
KOZ	Kozyrevsk	2.55	345	PN	03 17 41.7 +2.6	Sb
KRSR	Krestovskiy	2.63	354	PN	03 17 41.7 +2.6	Sb
KRSR	Krestovskiy	2.63	354	PN	03 17 42.2 +2.3	Sb
KRSR	Krestovskiy	2.63	354	PN	03 17 41.7 +2.6	Sb
KRSR	Krestovskiy	2.63	354	PN	03 17 42.2 +2.3	Sb
ESO	Esso	2.70	330	PN	03 17 42.2 +3.7	Sb
ESO	Esso	2.70	330	PN	03 17 44.6 +3.4	Sb
ESO	Esso	2.70	330	PN	03 17 42.2 +3.7	Sb
ESO	Esso	2.70	330	PN	03 17 44.6 +3.4	Sb
KBTR	Krutoberegovo	2.79	20	PN	03 18 16.7 +3.1	Sb
KBTR	Krutoberegovo	2.79	20	PN	03 17 44.6 +3.4	Sb
KBTR	Krutoberegovo	2.79	20	PN	03 18 16.7 +3.1	Sb
KBTR	Krutoberegovo	2.79	20	PN	03 17 44.6 +3.4	Sb
BDR	Baidarnaya	2.97	1	PN	03 17 46.0 +2.3	Sb
BDR	Baidarnaya	2.97	1	PN	03 17 47.8 +3.9	Sb
BDR	Baidarnaya	2.97	1	PN	03 17 46.0 +2.3	Sb
BDR	Baidarnaya	2.97	1	PN	03 17 47.8 +3.9	Sb
SMKR	Semkarok	2.99	4	eP	03 18 22.2 +3.7	Sb
SMKR	Semkarok	2.99	4	eS	03 18 22.2 +3.7	Sb
SMKR	Semkarok	2.99				

Table with columns: TRF, MCK, MDM, WRH, CCB, IL1, ILAR, SPITS, PAX, FIA1, FINES, EGAK, AKASG, AKASB, KIEV, AK11, NACGM, DAWW, SORM, INK, CFR, SUW, TESR, VRI, PLOR, BIZ, BURAR, BUR04, BUR08, MLR, MLR, KWP, ARR, CJR, OPO, OPO, DRGR, HFS, HFS, OJC, OJC, NOA, VTS, VTS, BSD, DLBC, VYHS, MORC, MORC, MORC, KSP, DPC, DIVS, UPIC, VRAC, KRUC, PVCC, GOPC, BRG, PRU, CONA, CLL, CLL, CLL, BLY, ARSA, KHC, GEC2, GERES, GERES, GERES, GEA0, MOA, SUMG, SUMG, YKW3, YKA, YKA, YKA, ABTA, MOTA, FETA, DAVA, DAVOX, EKA, NEW, MAW, WALA, HJSG, VJND, DLMT, TXAR, TXAR, ROSC, ROSC.

Table with columns: BUTP, BUTP, MSLP, MSLP, BESP, BESP, BUKP, BUKP, IDC 08 04:48:39.8, JAY, JAY, WRA, GUMO, ASAR, FITZ, ILAR, TORO, MEX 08 04:50:45.5, PNIG, PNIG, TLIG, VHO, VHO, ISCJB 08 04:57:48.6, JYNG, JYNG, YOJ, YOJ, YOJ, HATJ, HATJ, IRIF, IRIF, EOST, EOST, ENAH, ENAH, ENAH, JKRS, NAMB, ENA, ENA, TWC, TWC, TWD, TWD, NACB, NACB, EGS, EGS, EGS, JUJ, JUJ, ILLA, ILLA, ILLA, NTC, NTC, NTC, TWB1, TWB1, TWE, TWE, TWE, ENT, ENT, ENT, HGSD, HGSD, TIPB, TIPB, TIPB, NNSB, NNSB, NNSB, NNSH, NNSH, NNS, NNS, EHY, EHY, EHY, WHF, WHF, WHF, JISG, JISG, NWF, NWF, NWF, WFSB, WFSB, WFSB, YULB, YULB, YULB, TWF1, TWF1, TWF1, YHNB, YHNB.

Table with columns: YHNB, CHGB, CHGB, NSK, NSK, TWA, TWA, TDCB, TDCB, CHKT, CHKT, FULB, FULB, FULB, TATO, TATO, YM07, YM07, YM07, YM11, YM11, YM04, YM04, YM03, YM03, SSLB, SSLB, SSLB, TWH, TWH, TWH, TWY, TWY, TWY, DPDB, DPDB, DPDB, SMLT, SMLT, SMLT, YUS, YUS, YUS, YJ, YJ, YJ, TYC, TYC, TYC, PCYT, PCYT, PCYT, ELDTW, ELDTW, ELDTW, ALS, ALS, ALS, WJS, WJS, WJS, WJS, TWGB, TWGB, TWGB, TWG, TWG, TWG, TWG, WNT, WNT, WNT, CHNS, CHNS, CHNS, CHNS, STYT, STYT, STYT, STYT, TPUB, TPUB, TPUB, WDLH, WDLH, WDLH, WTP, WTP, WTP, WTP, SGST, SGST, SGST, CHN1, CHN1, CHN1, CHN1, TWK, TWK, TWK, TWK, RLNB, RLNB, RLNB, EAST, EAST, EAST, EAST, MASBT, MASBT, MASBT, TWKBT, TWKBT, TWKBT, WDGW, WDGW, WDGW, PHUB, PHUB.

MAN 08 04:21:31.4, 9.70N, 125.88E, h11km, mb4.2, ML3.0, MS2.7, ID, Mindanao

SOME 08 05:38:52.6, 44.67N, 82.30E, h20km, mb1.8/3, mb1mx3.5/43, mbtmp3.8/5, MS2.6/1, MS1.2.6/1, Error ellipse: s-maj=70.9km s-min=36.0km az=119.0, South of Kermaedc Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BESP Borongan, PALP Palo, OCLP Ormoc, etc.

SOME 08 08:45:18.9, 40.47N, 77.25E, h10km
KRNET 08 08:45:20.7, 0.1, 40.60N, 77.34E, mb3.6
NMC 08 08:45:23.0, 1.0, 40.60N, 77.19E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=10.4km s-min=5.6km az=147.0

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

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

IDC 08 09:11:54.8, 1.6, 19.10S, 168.94E, h0km, mb4.1/7, mb1.4/2.8, mb1mx3.9/49, mbtmp4.1/8, ML3.2/1, MS3.2/2, Ms1.3.3/2, ms1mx2.6/41, Error ellipse: s-maj=3.9, s-min=31.2km az=141.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB03 IPOC Station P, PB04 IPOC Station P, PB04 IPOC Station P, etc.

ISJCJB 08 09:14:37.9, 1.2, 23.6S, 0.2, 179.9E, 0.2, h526km, mb3.5/5, Error ellipse: s-maj=28.0km s-min=23.5km az=7.0

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

IDC 08 09:16:08.2, 1.8, 3.85S, 148.81E, h0km, mb3.8/4, mb1.4/1.4, mb1mx3.6/45, mbtmp3.8/4, MS3.2/7, Ms1.3.2/7, ms1mx2.8/47, Error ellipse: s-maj=113.4km s-min=26.6km az=126.0, Bismarck Sea

8d 11h

Table with columns: Call Sign, Name, Frequency, Power, SNR, and other parameters. Includes stations like Chichijima, Nakatsu, Chul'man, etc.

2012 JUL

Table with columns: Call Sign, Name, Frequency, Power, SNR, and other parameters. Includes stations like SASE, SASE, SASE, etc.

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Table with columns: Call Sign, Name, Frequency, Power, SNR, and other parameters. Includes stations like TPUB, QZH, QZH, etc.

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8d 11h

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Rows include stations like AAA, TARG, SRAK, SANI, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Rows include stations like DANN, HNR, ARU, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Rows include stations like I04A, C09A, HAWA, etc.

Table with columns: NACGM, PM, time, and various data points. Rows include NACGM, PV10, AGMN, GLA, GROG, PV03, BORG, HYA, B34A, C33A, OSL, UWAJ, Y14A, SMCO, EIDS, SUE, AS01, ASAR, C34A, B35A, ISCO, KONO, NCK, MVCO, KVAR, KIV, F32A, KBZ, and ASK.

Table with columns: ASK, IAMB, IAMB, time, and various data points. Rows include ASK, X16A, BER, SUSD, C35A, ZEI, G32A, PALK, NEY, E34A, TBLG, S22A, D35A, W18A, C36A, Q24A, SUW, SUW, SUW, SUW, SUW, SUW, D36A, D36A, C37A, F34A, OGNE, OGNE, EYMN, EYMN, AKASG, AKASG, AKKB, AKKB, AKKB, KIEV, KIEV, KIEV, KIEV, AK11, G34A, KLNK, KLNK, F35A, D37A, SDCO, SDCO, SDCO, HOMB, HOMB, STAV, STAV, C38A, E36A, AKH, AKH, AKH.

Table with columns: AKH, AKH, time, and various data points. Rows include AKH, MBWA, SNART, SNART, GNI, GNI, IVI, IVI, F36A, F36A, F36A, G35A, G35A, G35A, SOC, SOC, ECSD, ECSD, ECSD, ECSD, TUC, TUC, TUC, H35A, ANN, ANN, ANN, ANN, ANN, ANN, NRS, NRS, NRS, NRS, KSCO, KSCO, E38A, E38A, E38A, G36A, C40A, C40A, KARS, F37A, BCA, T25A, T25A, T25A, BSD, BSD, BSD, F38A, H36A, SPMN, SPMN, SPMN, COP, COP, COP, LAZ, TASM, ANMO, ANMO, ANMO, ANMO, ANMO, TASL, E39A, BGNE, BGNE, BGNE, CLDR, MUD, MUD, MUD, F39A, LENL, E40A.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like PLOST, P37A, K42A, LSQO, L41A, ASUD, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like ESK, ESK, Q37A, PVCC, PVCC, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like IDGL, WTSB, MODS, MODS, etc.

8d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like Golden Eagle, Serdivan-Sakar, Clever, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like P46A Rosedale, PKRO Pickering, CAN Canderra, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like ALN Alexandroupoli, ALN Alexandroupoli, ALN Alexandroupoli, etc.

Table with columns for ID, Name, Time, and other metrics. Includes entries like IVA Berane, T46A Princeton, Y471A Egglette Beard, etc.

Table with columns for ID, Name, Time, and other metrics. Includes entries like STON Ston, W45A Hicory Valley, DRME Dracevica, etc.

Table with columns for ID, Name, Time, and other metrics. Includes entries like ARG Arkhangelos, ARG Arkhangelos, ARG Arkhangelos, etc.

Table with columns: MDT, LR, LR, 12 37 46.6, etc. Lists various astronomical objects like PMOZ, SDV, TOAO, etc.

CSEM 08 11:42:39.7-0.2, 36.68N-29.24E, h2km, ML2.4 Error ellipse: s-maj=4.9km s-min=3.6km az=26.0, Suspected Mining explosion.

DDA 08 11:42:39.1, 36.70N-29.24E, h7km, Md2.6, Suspected Mining explosion.

ISK 08 11:42:39.0, 36.67N-29.24E, h5km, ML2.4/4

ISCJB 08 11:42:40.0, 0.6, 36.69N-0.03, 29.23E-0.03, h0km, Error ellipse: s-maj=4.7km s-min=3.6km az=176.1

ISC 08 11:42:39.2-0.9, 36.69N-0.03, 29.25E-0.02, h0km, n20, +0.90/32, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists stations like FETHIYE, DALYAN, etc.

IDC 08 11:47:12.9-0.6, 45.40N-151.38E, h0km, mb4.1/26, mb1 4.2/30, mb1mx4.0/78, mbtmp4.1/30, ML5.4/1, MS6.8/1, Ms1 4.8/1, ms1mx3.7/81, Error ellipse: s-maj=15.6km s-min=14.2km az=138.0

NEIC 08 11:47:15.6-0.4, 45.41N-151.10E, h10km, mb4.9/14, Error ellipse: s-maj=10.6km s-min=6.6km az=139.0

SKHL 08 11:47:16.7-0.3, 45.18N-151.60E, h43km, 7km, mb5.2/8 JMA 08 11:47:16.8-0.6, 45.49N-151.47E, h30km, M4.7

ISCJB 08 11:47:17.4-0.6, 45.41N-151.28E-0.05, h35km, 4km, mb4.4/65, MS5.8/2, Error ellipse: s-maj=9.0km s-min=3.5km az=140.5

MOS 08 11:47:18.4-0.9, 45.45N-151.22E, h44km, mb4.8/18, Error ellipse: s-maj=7.3km s-min=5.6km az=100.0

BUI 08 11:47:19.3, 45.70N-150.80E, h10km, mb4.7/33, mb4.9/7, MS5.1/5, Ms7.5/05

ISC 08 11:47:15.7-0.7, 45.29N-0.06, 151.45E-0.05, h18km, 3km, n24, s179/302, mb4.5/70, 20C-14D, Kuril Islands

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

Table with columns: KUR, Kuril'sk, 2.53 270, etc. Lists various astronomical objects like KUR, SHO, YUK, etc.

GRPR Tuman 4.25 254 eP Pn 11 48 22.0 +2.5

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

GRPR Tuman 4.25 254 ePn Pn 11 48 22.6 +3.1

GRPR Tuman 4.25 254 eS Pn 11 49 10.4 +1.8

Table with columns: JEM, Ermo, 6.84 244, etc. Lists various astronomical objects like JEM, JNB, TYV, etc.

JOSM Okushiri-Mats 9.24 254 P Pn 11 49 28.5 +0.4

JOSM Okushiri-Mats 9.24 254 eS Pn 11 51 08.2 -3.3

OFU Ofunato 9.54 233 P Pn 11 49 30.9 -1.2

ROKU Rokugo 9.93 237 eS Pn 11 51 22.4 -6.0

OURI Ouri 10.16 231 P Pn 11 49 40.2 -0.4

OURI Ouri 10.16 231 eS Pn 11 51 25.7 -8.3

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

MJARR Matsushiro Arr 13.27 233 Pn 11 50 21.8 -1.4

8d 12h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like WMQ, VMO, MK31, MKR, MKAR, etc.

2012 JUL

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like CRVS, TRPA, CFCR, etc.

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Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like KBNM, GGUM, KKPM, etc.

ISCJB 08 12:05:47.4 0.5, 39°46'N, 02°123.86'W, 0.05, h8km, 2km, mb4.0/10, Error ellipse: s-maj=6.5km s-min=2.5km az=164.8
IDC 08 12:05:47.2 0.5, 39°48'N, 123°22'W, h0km, mb3.5/4, mb1.3/7.5, mb1mx3.5/6.0, mbtrmp3.6/5.0, ML3.5/1, Error ellipse: s-maj=38.8km s-min=12.7km az=40.0
NEIC 08 12:05:48.5 0.0, 39°48'N, 123°80'W, h8km, mb4.3/10, MV4.4(BRK), After NCEC.
NEIC Felt [I] at Fort Bragg; [II] at Albion, Caspar, Comptche, Litterier, Mendocino and Westport; [III] at Laytonville and Willits. Also felt at Branscomb, Calistoga, Clearlake Oaks, Kelseyville, Leggett, Manchester, McKinleyville, Petrolia, Philo, Point Arena, Potter Valley and Whittier.
ISC 08 12:05:49.8 1.0, 39°51'N, 02°123.67'W, 0.04, h10km, 6km, n163.1°1964/156, mb4.2/10, Near coast of northern California

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Guiyang, Zalesovo Beam, Makanchi Array, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Khabaz, Delisi, TBLG, AKASO, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WATA, WTTA, BFO, etc.

8d 14h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like SHO, SHK, YUK, LAGR, GRPR, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like JNB, TYV, KJB, JYM, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like JCH, JFR, JNBK, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like IPAR, BND5, GENO, etc.

ISCJB 08 15:20:26.1±1.3, 9°21'N; 0°04'±123°07'E; 0.04, h5km, 8km, mb3.6/5, Error ellipse: s-maj=7.5km s-min=7.1km az=28.9

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CMAR, MKAR, etc.

ISCJB 08 15:27:02.2±1.8, 1°7'N; 0°28'±89°56'E; 0.3, h10km, mb3.4/5, Error ellipse: s-maj=50.5km s-min=19.7km az=156.8

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KURBB, ASAR, TXAR, etc.

SOME 08 15:58:39.6, 43°00'N; 84°30'E, h5km NNC 08 15:58:44.6±1.3, 43°77'N; 84°01'E, h30km, 14km, mb3.1, mpv2.5, Error ellipse: s-maj=26.8km s-min=12.3km az=117.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KTMS, DJR, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KOTS, CHKK, etc.

KRNET 08 16:04:25.8±0.1, 41°70'N; 79°18'E, h22km, mb2.3 SOME 08 16:04:26.7, 41°78'N; 79°08'E, h5km

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PRZ, TARG, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PB03, PB04, IPOC Station P, etc.

ISC/JB 08 16:34:23.4,0.7,2.0N:0.1,-89.5E:0.1,h10km,mb4.0/17, MS3.3/1, Error ellipse: s-maj=18.6km s-min=13.7km

IDC 08 16:34:23.8,1.0,1.94N:-89.52E,h0km,mb3.9/14, mb1.3/9.16,mb1mx3.7/62,mbtmp3.8/16,ML3.6/2,MS3.1/3, Ms1.3/1.3,ms1mx2.6/63, Error ellipse: s-maj=28.4km s-min=22.6km az=17.0

NEIC 08 16:34:25.1,0.6,1.91N:-89.49E,h10km,mb4.5/2, Error ellipse: s-maj=16.0km s-min=10.9km az=28.0

ISC 08 16:34:25.4,0.9,2.0N:0.2,-89.3E:0.1,h10km,n29, s180Z,mb4.0/17, North Indian Ocean

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PSI, PALK, BRDH, etc.

IDC 08 16:56:17.7,0.6,9.76N:122.68E,h0km,mb3.8/14, mb1.3/9.14,mb1mx3.7/65,mbtmp3.8/14,MS3.2/4, Ms1.3/2.4,ms1mx2.7/54, Error ellipse: s-maj=29.3km s-min=12.8km az=68.0

MAN 08 16:56:18.3,10.25N:123.35E,h1km,mb4.9,ML3.8,MS3.8 ISC/JB 08 16:56:20.0,1.5,10.22N:0.02:-123.34E:0.03, h15km,10km,mb3.8/18,MS3.2/2, Error ellipse: s-maj=4.7km s-min=3.9km az=144.4

NEIC 08 16:56:27.2,1.3,9.83N:122.80E,h74km,13km,mb4.2/1, Error ellipse: s-maj=25.2km s-min=7.7km az=66.0

ISC 08 16:56:18.2,1.3,10.24N:0.03:-123.36E:0.03,h3km,9km, n47, s195/55,mb3.7/18,18,20C,0.0

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like LLP, GUIM, SNPH, etc.

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

NIED 08 16:58:00.45:50N:151.60E,h14km,Mw4.2 Best double couple: M2 46000x1015 NP13a:242.00000; R29.00000; L102.00000; NP2:48.00000; R62.00000; R83.00000

NEIC 08 16:58:22.8,0.2,45.39N:151.32E,h10km,mb4.8/21, Error ellipse: s-maj=7.0km s-min=4.4km az=150.0

JMA 08 16:58:23.4,0.6,45.45N:151.61E,h30km,mb4.7/18, ISC/JB 08 16:58:23.1,0.9,45.28N:0.04:-151.45E:0.04, h26km,6km, mb4.4/73,MS3.6/14, Error ellipse: s-maj=7.9km s-min=3.2km az=147.1

SKHL 08 16:58:23.3,0.3,45.10N:151.76E,h45km,5km,mb5.3/7 MOS 08 16:58:25.0,0.9,45.34N:151.41E,h39km,mb4.7/18, Error ellipse: s-maj=7.2km s-min=5.8km az=82.0

BJI 08 16:58:25.9,45.49N:151.39E,h47km,mb4.7/45,MB4.8/30, Ms4.2/15,Ms7.3/9/12 IDC 08 16:58:28.4,0.5,45.43N:151.30E,h48km,5km,mb3.9/35, mb1.4/3.4/16,ms1mx3.1/67,mbtmp4.2/42,MS3.4/16, Ms1.3/4.16,ms1mx3.1/64, Error ellipse: s-maj=11.7km s-min=9.3km az=133.0

ISC 08 16:58:27.6,0.6,45.33N:0.05:-151.38E:0.04,h46km,4km, h46km,pp-P,n284, s1940/303,mb4.5/79,MS3.6/15, 20C-10D, Kuril Islands

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

SHO Shikotan 3.56 247 i P Pn 16 59 19.3 -1.0

SHO Shikotan 3.56 247 i S Sn 17 00 01.3 +0.2

SHO Shikotan 3.56 247 i P Pn 16 59 27.9 -0.3

SHO Shikotan 3.56 247 i S Sn 17 00 16.3 +0.9

SHO Shikotan 3.56 247 i P Pn 16 59 27.9 -0.3

SHO Shikotan 3.56 247 i S Sn 17 00 16.3 +0.9

SHO Shikotan 3.56 247 i P Pn 16 59 27.9 -0.3

SHO Shikotan 3.56 247 i S Sn 17 00 16.3 +0.9

SHO Shikotan 3.56 247 i P Pn 16 59 27.9 -0.3

SHO Shikotan 3.56 247 i S Sn 17 00 16.3 +0.9

SHO Shikotan 3.56 247 i P Pn 16 59 27.9 -0.3

SHO Shikotan 3.56 247 i S Sn 17 00 16.3 +0.9

SHO Shikotan 3.56 247 i P Pn 16 59 27.9 -0.3

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

USKR 08 17:07:02.2, 17.07.02.2

Table with columns: Station ID, Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MA2 Magadan, MA2 Inuyama, MA2 Hachijo jima 2, etc.

Table with columns: Station ID, Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KURBB Kurchatov Arra, DLBO Desale Lira, LSA Lhasa, etc.

Table with columns: Station ID, Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KIV comp=Z,1.9nm,0.9s, KBZ Khabaz, TBGL Delisi, etc.

ISCJB 08 17:02:16.4-0.9, 51.18N, 0.2-1.7E, 32E, 0.09, h40km, mb3.5, Error ellipse: s-maj=24.6km s-min=5.0km az=14.7

NEIC 08 17:02:16.6:0.0,51.89N:176.33E,h67km,ML3.4(AEIC), After AEIC.
IDC 08 17:02:18.7:5.0,51.65N:176.48E,h54km,41km,mb3.2/5, mb1 3.4/7,mb1mx3.1/80,mbtmp3.5/7,ML3.6/1, Error ellipse: s-maj=64.9km s-min=21.2km az=0.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like LSSA, LSNW, SMY, AMKA, etc.

ISCJB 08 17:03:27.5:1.2,37.52N:0.04:141.99E:0.05,h1km,7km, mb3.4/4, Error ellipse: s-maj=7.2km s-min=5.4km az=41.0
IDC 08 17:03:28.5:1.3,37.40N:142.16E,h0km,mb3.4/4, mb1 3.6/7,mb1mx3.3/70,mbtmp3.4/7,ML3.2/3, Error ellipse: s-maj=30.0km s-min=20.3km az=134.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like Honshu, JFK, ONAJ, etc.

ISCJB 08 17:07:38.6:0.6,6.30S:0.05:133.12E:0.07,h10km, mb3.2/2,MS3.1/1, Error ellipse: s-maj=9.9km s-min=7.0km az=22.4

IDC 08 17:07:39.1:1.3,6.27S:133.17E,h0km,mb3.5/2, mb1 3.8/8,mb1mx3.5/49,mbtmp3.7/8,ML3.6/6,MS3.3/1, Ms1 3.2/1,ms1mx3.6/42, Error ellipse: s-maj=28.9km s-min=20.9km az=6.0

DJA 08 17:07:46.1:0.7,6.5S:133.3E,h10km,M4.2/6,mb4.2/3, mb4.9/3,MLV4.2/6,MW(MB)4.2/3

ISC 08 17:07:37.9:0.7,6.27S:0.04:133.25E:0.06,h10km,n16, c#398/22,Arus Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SAUI, KMPI, FAKI, etc.

MAN 08 17:11:14.3,10.26N:123.26E,h23km,mb4.1,ML2.9, MS2.6,2D,Cebu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like LLP, GUIM, TBP, etc.

MAN 08 17:25:48.9,10.31N:123.45E,h31km,mb3.6,ML2.3, MS1.8,1D,Cebu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like LLP, GUIM, TBP, etc.

IDC 08 17:25:58.6:1.8,0.20N:97.49E,h0km,mb3.4/6,mb1 3.5/8, mb1mx3.3/61,mbtmp3.3/8,ML2.4/1, Error ellipse: s-maj=57.6km s-min=19.7km az=61.0

ISCJB 08 17:26:01.5:0.9,0.25N:0.07:97.53E:0.08,h29km, mb3.4/6, Error ellipse: s-maj=14.9km s-min=5.3km az=139.9

DJA 08 17:26:03.2:1.0,0.1N:6.9S:8E,h25km,9km,M3.6/6, MLV3.6/6

ISC 08 17:26:03.6:1.1,0.33N:0.09:97.6E:0.1,h29km,n21, c#656/18,mb3.4/6,Northern Sumatra

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PBSI, GSI, MINSI, etc.

IDC 08 17:34:49.1:1.6,1.81N:126.15E,h0km,mb3.3/4, mb1 3.5/4,mb1mx3.3/55,mbtmp3.3/4, Error ellipse: s-maj=162.5km s-min=21.3km az=66.0,Northern Molucca Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, etc.

IDC 08 17:45:10.5:1.9,0.36N:126.27E,h0km,mb3.3/3, mb1 3.8/3,mb1mx3.3/52,mbtmp3.4/3, Error ellipse: s-maj=172.8km s-min=24.7km az=65.0,Northern Molucca Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, etc.

SOME 08 17:47:26.7,41.82N:80.75E,h5km NNC 08 17:47:27.4:1.3,41.91N:81.00E,h20km,5km,mb3.6, mpv3.2, Error ellipse: s-maj=11.4km s-min=4.5km az=149.0

ISC 08 17:47:27.2:2.2,41.97N:80.80E:0.06,h3km,10km,n31,c#218/56,13C-7D,Southern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like KTMS, SHLS, PDGK, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like MDOK, CHHK, MTBS, etc.

SOME 08 18:08:15.1,42.27N:81.73E,h15km NNC 08 18:08:18.4:2.6,42.35N:81.73E,h0km,mb3.5,mpv3.1, Error ellipse: s-maj=23.2km s-min=11.2km az=165.0

ISC 08 18:08:13.4:2.2,42.38N:0.08:81.95E:0.06,h10km,12km, n26,c#214/46,7C-6D,Northern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like KTMS, SHLS, PDGK, etc.

8d 18h

Table with columns: IZV, KTBS, KUU, MK31, MAKZ, MAZK, KST, TKM2, ZSN, MNAS, KK31. Rows contain station names, times, and other identifiers.

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Table with columns: USRK, NVAR, MKAR, KURBB, BVAR, ARU, AKTO, FINES, NB2, HFS, AKASG, MMAL, BRTR. Rows contain station names, times, and other identifiers.

SOME 08 18:13:28.0, 42.22N-81.73E, h15km
NNC 08 18:13:30.4, 2.3, 42.29N-81.75E, h0km, mb3.0, mpv2.5,
Error ellipse: s-maj=21.6km s-min=9.2km az=171.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows contain station names, times, and other identifiers.

IDC 08 18:16:53.0-1.9, 28.94S-74.80E, h0km, mb3.7/4,
mb1 3.9/4, mb1mx3.4/62, mbtmp3.7/4, MS3.4/2, Ms1 3.4/2,
s-min=27.57km az=81.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows contain station names, times, and other identifiers.

IS/CJB 08 18:17:53.6, 0.8, 13.96N, 10.145E, 0.1, h100km,
mb3.5/9, Error ellipse: s-maj=19.3km s-min=12.7km
az=23.5

IDC 08 18:17:54.2, 1.1, 13.96N, 14.564E, h90km, mb3.3/9,
mb1 3.5/9, mb1mx3.3/59, mbtmp3.6/9, Error ellipse:
s-maj=39.4km s-min=15.7km az=83.0

ISC 08 18:17:55.4, 1.0, 13.9N, 0.1x145.6E, 0.2, h100km, n10,
e098/11, mb3.4/9, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows contain station names, times, and other identifiers.

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IDC 08 18:33:13.1, 0.8, 5.52S, 130.99E, h0km, mb4.2/10,
mb1 4.5/14, mb1mx2.1/59, mbtmp4.4/14, ML4.8/4, MS2.9/4,
Ms1 2.9/4, mb1mx2.5/50, Error ellipse: s-maj=30.9km
s-min=16.8km az=72.0

IS/CJB 08 18:33:19.1, 0.4, 5.57S, 0.04x131.22E, 0.03, h68km,
mb4.0/12, Error ellipse: s-maj=5.8km s-min=4.2km
az=151.1

NEIC 08 18:33:19.6, 1.6, 5.67S, 131.22E, h55km, 18km, mb4.6/2,
Error ellipse: s-maj=16.2km s-min=12.9km az=111.0

DJA 08 18:33:22.0, 0.3, 5.2, 131.1E, h79km, 12km, M4.9/13,
mb5.4/8, mb4.6, MLV5.0/13, MW1(MB)4.8/6

ISC 08 18:33:24.0, 0.6, 5.42S, 0.1x131.16E, 0.05, h68km, n56,
a1846/54, mb4.1/12, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows contain station names, times, and other identifiers.

Table listing station data for 8d 19h, including columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and various identifiers like YSS, JKK2, ASAJ, etc.

Main table listing station data for 2012 JUL, including columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and various identifiers like LAO, LAO, LAO, etc.

Table listing station data for 380, including columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, and various identifiers like ellipse, CSEM, BEO, etc.

ICD 08 19:14:22.2, 5.43, 19N, 105.13W, h0km, mb4.2/2, mb1.4/4, mb1mx3.5/64, mbtmp0.4/4, ML3.5/2, MS2.6/2, Ms1.2.6/2, ms1mx2.3/64, Error ellipse: s-maj=58.3km, s-min=9.0km az=157.0

MAN 08 19:52:01.5, 11.71N, 125:54E, h9km, mb4.1, ML2.9, MS2.6, 1D, Samar

MW4.2
IDC 08 19:52:58.5,2.3,24.18S;67.02W,h169km,20km,mb3.9/12,
mb1.4/0.16,mb1mx3.9/38,mbtmp4.4/16,MS2.8/1,
Ms1.2.9/1,ms1mx2.5/32,Error ellipse: s-maj=19.1km
s-min=14.0km az=63.0

GUC 08 19:52:59.9,0.4,24.17S;67.78W,h215km,7km,ML5.2
ISC 08 19:52:58.2,0.7,24.19S;67.04W,4.67,26W,0.04,h173km,6km,
n48,c1560/65,mb4.1/14,5C-2D,Chile-Argentina border
region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations like SLA, PB15, GO02, etc.

JMA 08 19:58:37.9,0.6,45.58N;151.55E,h30km,M3.9
SKHL 08 19:58:38.0,0.7,45.01N;151.75E,h43km,6km,mb2.6/2
ISC 08 19:58:37.0,2.5,44.77N;0.1,151.9E;0.1,h37km,n22,
c193/32,East of Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like KUR, YUK, LAGR, etc.

Table with columns: LAGR, GRPR, GRPR, GRPR, etc. Lists stations like Tuman, 87nm,0.3s, 93nm,0.3s, etc.

ISCJB 08 20:02:35.0,5,0.7,32.75N;0.04,32.51E;0.04,h33km,Error
CSEM 08 20:02:35.6,0,3,32.78N;32.53E;h20km,MD2.3,Error
ellipse: s-maj=4.7km s-min=3.0km az=127.0

HLW 08 20:02:35.6,32.89N;32.44E,h18km,22km,MD3.5,M3.5
GII 08 20:02:38.0,0.0,32.79N;32.53E,h31km,MD2.3/7
ISC 08 20:02:36.1,1.4,32.80N;0.04,32.47E;0.05,h35km,n61,
c083/91,East Mediterranean Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like RSH, OFRI, OFRI, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like STKA, WRA, ASAR, etc.

DJA 08 20:26:34.3,0.3,4.3S;3.121E;h10km,MA4.5/12,MB5.2/11,
mb4.6/4,ML4.0/12,Mw(mB)4.6/1
ISCJB 08 20:26:35.8,0.3,3.65S;0.04,120.97E;0.04,h33km,
mb4.1/25,MS3.2/8,Error ellipse: s-maj=6.1km
s-min=5.2km az=152.0

IDC 08 20:26:39.4,2.8,3.63S;121.04E,h51km,26km,mb3.8/20,
mb1.4/0.23,mb1mx3.8/58,mbtmp4.1/23,ML3.8/3,MS3.3/1,
Ms1.3/3.1/1,ms1mx2.9/52,Error ellipse: s-maj=21.2km
s-min=12.0km az=69.0

ISC 08 20:26:38.0,0.5,3.65S;0.06,120.91E;0.05,h35km,n56,
c1921/57,mb4.1/25,MS3.2/8,Sulawesi

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like SPSI, TTSI, KDI, etc.

Mining explosion. DDA 08 20:56:26.4, 37.08N, 28.57E, h7km, M12.5, Suspected Mining explosion.

ISC 08 20:56:27.0, 37.121N, 02:28.60E, 0.02, h0km, m40, c1566/53, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists various stations like TURUNC, YERKESIK, DALYAN, etc.

ISCJCB 08 21:05:01.3, 3.43, 75N, 102.105, 28W, 0.03, h0km, mb4.2/2, Error ellipse: s-maj=2.8km s-min=2.6km az=28.3

NEIC 08 21:05:02.9, 0.2, 43, 76N, 105.25W, h0km, ML3.7, Error ellipse: s-maj=3.5km s-min=2.9km az=143.0, Suspected Mining explosion.

NEIC 64 km [40 miles] SSE of Gillette.

IDC 08 21:05:03.1, 0.9, 44, 08N, 105.73W, h0km, mb4.0/2, mb1 3.0/6, mb1mx3.6/6, mbtmp3.7/6, ML3.1/3, MS2.9/1, Ms1 2.9/1, ms1mx2.4/56, Error ellipse: s-maj=2.46km s-min=8.7km az=146.0

ISC 08 21:05:02.2, 0.6, 43, 73N, 103.105, 31W, 0.03, h0km, m102, c1510/127, Wyoming

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists various stations like BLACK HILLS, CASPER, K22A, etc.

Table with columns: P18A, Station Name, Time, Res. Lists various stations like Preston Nutter, MCKENZIE CANYO, etc.

U15A North Rim, 9.04 219 eN Pn 21 07 15.3 +1.1 U15M Lac du Bonnet, 9.17 41 Pn 21 07 13.3 -2.3

U15M Lac du Bonnet, 9.17 41 Pn 21 07 13.3 -2.3

U15M Lac du Bonnet, 9.17 41 Pn 21 07 13.3 -2.3

NNC 08 21:09:09.6, 1.4, 36, 78N, 70.59E, h174km, 32km, mb2.8, mb3.8, Error ellipse: s-maj=19.9km s-min=10.9km az=66.0

ISC 08 21:09:06.7, 3.2, 36, 6N, 102.70E, 0.1, h150km, m10, c064/14, 5C-3D, Hindu Kush region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists various stations like SFI, SFL, AML, etc.

IDC 08 21:09:57.9, 0.9, 24, 40N, 127.47E, h0km, mb3.7/10, mb1 3.8/13, mb1mx3.6/66, mbtmp3.8/13, ML3.7/3, MS2.5/2, Ms1 2.5/2, ms1mx2.7/53, Error ellipse: s-maj=31.0km s-min=16.3km az=79.0

JMA 08 21:10:01.1, 0.3, 24, 56N, 127.32E, h74km, M3.4, ISC 08 21:09:58.9, 3.4, 24, 44N, 107.127, 40E, 0.05, h11km, 22km, n37, c262/51, mb3.7/10, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists various stations like JTT3, JTT3, JOGS, etc.

Table with columns: JTK, Station Name, Time, Res. Lists various stations like Minamidaito, JAMN, etc.

JMA 08 21:10:18.6, 37, 77N, 139, 98E, h6km, 1km, M0.5, Eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists various stations like JYAR, JFT, JMM, etc.

NIED 08 21:11:00.46, 90N, 153, 10E, h35km, Mw4.1, Best double couple: M1 45000-1015, NP13, 21, 000000, s61, 0.00000, 1-179, 00000, NP2, 3, 126, 00000, s89, 0.00000, 1-29, 00000

ISCJCB 08 21:11:16.3, 0.6, 46, 79N, 150.52, 81E, 0.06, h54km, 5km, mb4.2/46, MS3.4/7, Error ellipse: s-maj=10.2km s-min=3.5km az=137.5

MOS 08 21:11:17.9, 1.0, 46, 82N, 152, 77E, h67km, mb4.5/19, Error ellipse: s-maj=8.9km s-min=6.4km az=69.4

SKHL 08 21:11:19.2, 0.0, 46, 89N, 152, 67E, h75km, 9km, mb4.9/3, NEIC 08 21:11:20.2, 0.1, 46, 95N, 152, 65E, h72km, 9km, mb4.3/19, Error ellipse: s-maj=17.2km s-min=11.9km az=85.0

IDC 08 21:10.2, 8.2, 1.46, 91N, 152, 74E, h76km, 18km, mb3.6/22, mb1 3.8/28, mb1mx3.7/75, mbtmp4.0/28, MS3.2/8, Ms1 3.2/8, ms1mx2.8/63, Error ellipse: s-maj=15.4km s-min=10.4km az=139.0

ISC 08 21:11:18.0, 1.0, 46, 72N, 107, 152, 92E, 0.06, h55km, 8km, m169, c1590/191, mb4.2/46, MS3.5/7, 10C-7D, Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists various stations like KUR, KUR, KUR, etc.

2012 JUL

Table with columns: ENLB, NANO, NANO, ENA, NACB, TWC, HATJ, IRIF, EGGS, NTC, TWE, TWE, HGSD, ENTT, TWB1, TWB1, JKRS, JKRS, NNSB, NNSB, NNSH, NNSH, NNS, NNS, TIPB, TIPB, WHF, WHF, YULB, YULB, NWLT, NWLT, CHGB, CHGB, TWFI, TWFI, YHNB, YHNB, NWF, NWF, WFSB, WFSB, JIU, JIU, NJS, NJS, NSK, NSK, TDCB, TDCB, CHKT, CHKT, FULB, FULB, SMLT, SMLT, YUS, YUS, JISG, JISG, TYC, TYC, ALS, ALS, CHNS, CHNS, TPUB, TPUB, CHN4, CHN4

Table with columns: BRRC, BRRC, PAMC, PAMC, RUSC, RUSC, PTBC, PTBC, TAMC, TAMC, TAMC, TAMC, YOPC, YOPC, ZARC, ZARC, NORC, NORC, CHIC, CHIC, ROSC, ROSC, HELC, HELC, WILC, WILC, DBBC, DBBC, CODC, CODC, MOTC, MOTC, SDV, SDV, PRAC, PRAC, SJCC, SJCC

IDC 08 22:25:37.2E-17.0, 5.975S:144.54E, h252km, 167km, mb2.8/4, mb1 2.9/5, mb1mx2.7/42, mbtmp3.4/5, Error ellipse: s-maj=84.3km s-min=37.9km az=50.0, New Guinea

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, Res, WRA, WRA, ASAR, ASAR, FITZ, FITZ, STKA, STKA, MKAR, MKAR

IDC 08 22:32:42.0E-17.0, 5.41S: 151.83E, h0km, mb4.0/11, mb1 4.2/11, mb1mx3.9/47, mbtmp4.0/11, MS3.0/1, Ms1 3.0/1, ms1mx2.4/47, Error ellipse: s-maj=36.1km s-min=17.5km az=118.0

NEIC 08 22:32:50.6E-17.0, 5.48S: 151.90E, h70km, 11km, mb4.3/7, Error ellipse: s-maj=16.2km s-min=7.9km az=124.0

ISC 08 22:33:47.0E-17.0, 5.75S: 108.152E, 0.1, h45km, n41, s=171/40, mb4.2/20, New Britain region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, Res, RABL, RABL, MANU, MANU, MTN, MTN, WRAB, WRAB, WB2, WB2, WR1, WR1, WRA, WRA, AS01, AS01, AS31, AS31, ASAR, ASAR, STKA, STKA, BATI, BATI, FITZ, FITZ, FITZ, FITZ, MBWA, MBWA, OXZ, OXZ, YULB, YULB, MJAR, MJAR, ERM, ERM, SONA, SONA, SONM, SONM, MK32, MK32, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, ILAR, ILAR, PENTUSON, PENTUSON, ILB, ILB, KURK, KURK, KURB, KURB, BVAR, BVAR, BAKO, BAKO, PASO, PASO, PNT, PNT, NVAR, NVAR, DGR, DGR, FLSC, FLSC, BELC, BELC, GERES, GERES, MDT, MDT, TORD, TORD, TOA1, TOA1

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, Res, SKHL, SKHL, JMA, JMA, ISC, ISC, Code, Station Name, Az, Az, Phase ID, Time, Res, Res, KUR, KUR, KUR, KUR, SHO, SHO, SHO, SHO, YUK, YUK, YUK, YUK, YUK, YUK, LAGR, LAGR, LAGR, LAGR, GRPR, GRPR, GRPR, GRPR, GLVR, GLVR, GLVR, GLVR, NEM2, NEM2, JNK, JNK, JAK, JAK, JTKR, JTKR, JAR, JAR, JKK2, JKK2, JCH, JCH, JCH, JCH, JKB, JKB, JOT, JOT, JANG, JANG

BUI 08 22:39:06.0, 6.87S:155.03E, h103km, mb4.7/24, mb4.8/14, IDC 08 22:39:08.0, 6.49S:154.89E, h92km, 20km, mb4.1/24, mb1 4.2/27, mb1mx4.1/50, mbtmp4.4/27, MS3.4/13, Ms1 3.5/13, ms1mx3.2/40, Error ellipse: s-maj=13.5km s-min=10.6km az=79.0

ISCJB 08 22:39:08.1, 6.54S:0.04E, 154.94E, 0.0, h110km, 7km, mb4.4/51, Error ellipse: s-maj=8.0km s-min=5.7km az=140.6

NEIC 08 22:39:09.1, 6.55S:154.97E, h107km, 7km, mb4.6/23, Error ellipse: s-maj=6.1km s-min=5.0km az=80.0

ISC 08 22:39:08.0, 6.46S:106.155E, 0.07, h102km, 8km, n113, s=173/120, mb4.5/51, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, Res, RABL, RABL, HNR, HNR, HNR, HNR, MANU, MANU, PATS, PATS, CTA, CTA, DZM, DZM, DZM, DZM, GUMO, GUMO, FAKI, FAKI, ARMA, ARMA, WRAB, WRAB, WB2, WB2, WR1, WR1, WRA, WRA, WRA, WRA, SJIJ, SJIJ, AS01, AS01, AS31, AS31, ASAR, ASAR, H1S3, H1S3, H1S2, H1S2, H1S1, H1S1, STKA, STKA, STKA, STKA, STKA, STKA, FITZ, FITZ, FITZ, FITZ, BBOO, BBOO, DAV, DAV, FORT, FORT

MAN 08 22:12:30.1, 16.41N:121.09E, h12km, mb4.5, ML3.4, MS3.2, Luzon

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, Res, BALP, BALP, CAUP, CAUP, BOLP, BOLP, ABRA, ABRA, APYF, APYF

RSNC 08 22:10:19.0, 9.61N:73.15W, h149km, 4km, ML3.0, Mw3.7, 1C-2D, Northern Colombia

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, Res, BARC, BARC, BARC, BARC

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, Res, DAV, DAV, FORT, FORT

Table with columns: MDT, Midelt, 147.65 327, PKPbc, PKPbc, 22 58 43.6 +1.3, etc. Includes stations like BKZ, THZ, KHZ, RPZ, JOW, JNW, NWAOW, NACB, SSSLB, etc.

Table with columns: MDT, Midelt, 147.65 327, PKPbc, PKPbc, 22 58 43.6 +1.3, etc. Includes stations like TORO, TOA1, KOWA, DBIC, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like SCPH, BUTP, MUSAN, etc.

NIED 08 23:18:00, 38.00N, 144.00E, h5km, Mw3.4 Best double couple: M1:1.48000x10^14 NP1:20.00000, delta26.00000, lambda-120.00000, NP2:20.00000, delta68.00000, lambda-76.00000

JMA 08 23:18:00, 9.10, 37.96N, 144.01E, h27km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like OFUJ, OURI, MIYJ, etc.

ATH 08 23:30:39.0, 37.10N, 26.40E, h36km, 4km, ML2.3/2, Error ellipse: s-maj=6.7km s-min=1.1km az=146.0

DDA 08 23:30:40.0, 37.17N, 26.28E, h7km, ML2.4 THE 08 23:30:40.0, 37.17N, 26.34E, h0km, ML2.1/3, Error ellipse: s-maj=0.8km s-min=0.3km az=342.0

CSEM 08 23:30:40.5, 0.2, 37.15N, 26.35E, h12km, ML2.3, Error ellipse: s-maj=5.9km s-min=3.8km az=168.0

ISCJB 08 23:30:40.6, 0.6, 37.17N, 0.03, 26.33E, 0.03, h5km, 6km, Error ellipse: s-maj=5.0km s-min=4.5km az=0.3

ISK 08 23:30:40.4, 37.17N, 26.34E, h6km, ML2.6/7

ISC 08 23:30:40.1, 1.4, 37.17N, 0.03, 26.33E, 0.02, h7km, 12km, n36, c086/59, Dodecanese Islands

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

Table with columns: CHOS, AYDN, AYDN, ASAJ, etc. Includes stations like Tasoluk, Balocva, etc.

NIED 08 23:47:00, 45.50N, 151.50E, h14km, Mw4.0 Best double couple: M1:1.2000x10^15 NP1:22.00000, delta28.00000, lambda93.00000, NP2:20.00000, delta62.00000, lambda88.00000

ISC 08 23:47:14.9, 0.8, 45.44N, 151.62E, h0km, mb3.9/14, mb1.4/0.16, mb1mx3.8/69, mbtmp3.9/16, ML3.9/2, MS3.3/13, Ms1.3/13, ms1mx2.9/66, Error ellipse: s-maj=25.3km s-min=20.1km az=83.0

NEIC 08 23:47:16.5, 0.6, 45.43N, 151.68E, h10km, mb4.4/1, Error ellipse: s-maj=15.4km s-min=12.7km az=128.0

JMA 08 23:47:17.7, 0.4, 45.53N, 151.55E, h30km, M4.3 ISCJB 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SKHL 08 23:47:18.7, 1.0, 45.02N, 151.164E, h51km, 9km, mb4.4/3 MOS 08 23:47:19.8, 1.2, 45.42N, 151.30E, h40km, mb4.4/2, Error ellipse: s-maj=13.5km s-min=12.8km az=141.5

ISC 08 23:47:20.2, 0.8, 45.33N, 151.30E, 0.07, h32km, n67, c185/64, mb4.0/16, MS3.4/8, 12, Kuril Islands

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

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

SHO 08 23:47:18.0, 0.6, 45.24N, 151.44E, 0.08, h32km, mb3.9/16, MS3.4/8, Error ellipse: s-maj=14.2km s-min=4.4km az=146.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DLBC Dease Lake, CMAR Chiang Mai Arr, KEV Kevo, etc.

IDD 08 23:48:28.61.0, 7.03S, 109.53E, h0km, mb3.5/5, mb1 3.7/5, mb1mx3.4/6, mbtm3.5/5, MS2.6/1, Ms1 2.8/1, ms1mx2.3/4.4, Error ellipse: s-maj=38.8km s-min=16.7km az=34.0

ISCJB 08 23:48:31.61.0, 8.33S, 0.09x108.56E, 0.06, h55km, mb3.4/5, MS2.5/1, Error ellipse: s-maj=14.7km s-min=5.5km az=25.8

DJA 08 23:48:32.61.0, 8.9S, 10.9E, h32km, 7km, M3.9/9, MbV3.9/9

ISC 08 23:48:34.01.1, 8.8S, 0.1x108.58E, 0.06, h55km, n17, s=29.20, mb3.5/5, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMJI Cimerak, CMJI Karang Pucung, etc.

NNC 08 23:56:09.4.4.6, 37.45N, 71.27E, h20km, 19km, mb3.5, mpv3.0, 1C-6D, Error ellipse: s-maj=34.1km s-min=28.2km az=3.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

NEIC 09 00:01:18.4.0.3, 38.79N, 0.02:122.79W, h0km, mb3.9/1, MW3.9(BRK), After NCCD.

NEIC Felt [V] at Middletown and [II] at Calistoga and Sonoma. Also felt at Carmichael, Clearlake Oaks, Cloverdale, Cotati, Geyserville, Healdsburg, Kelseyville, Martinez, Mendocino, Napa, Petaluma, Pope Valley, Redding, Sacramento, Saint Helena, San Francisco and Santa Rosa.

ISCJB 09 00:01:18.4.0.3, 38.79N, 0.02:122.79W, h0km, mb3.9/1, mb4.2/2, MS3.2/1, Error ellipse: s-maj=3.7km s-min=2.8km az=155.1

IDD 09 00:01:19.3.1.9, 38.73N, 122.88W, h0km, mb3.5/1, mb1 3.9/6, mb1mx3.6/5.8, mbtm3.5/6, ML3.2/5, MS3.2/5, Ms1 3.2/5, ms1mx2.8/3.6, Error ellipse: s-maj=21.9km s-min=11.3km az=42.0

ISC 09 00:01:19.0.0.7, 38.81N, 0.02:122.81W, 0.03, h8km, n100, r188/97, Northern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HOPS Hopland Field, GHGM Hogback Ridge, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBNM Bluenose Ridge, BDM Black Diamond, etc.

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

ISCJB 09 00:04:18.0.6, 16.46N, 98.56W, h15km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR 0.5nm, 0.4s, baz=113, slow=8.6, SNR=10, etc.

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

MEX 09 00:29:19.1.0.5, 19.27N, 98.82W, h15km, 2km, MD3.8, Central Mexico

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 28.80 121 T, ZALV Zalesovo Beam 42.10 313 P, MKAR Makanchi Array 44.18 303 P, etc.

MAN 09:00:55:32s, 10:27N-123:33E, h1km, mb4.7, ML3.6, MS3.5, 1C-3D, Cebu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LLLP Lapu-Lapu 0.62 85 U/P, TBP Tagbilaran 0.77 138 eP, GUIM Jordan 0.81 296 eP, etc.

NNC 09:00:59:59.1+4.2, 37.85N x 71.43E, h0km, mb3.8, mpv3.4, 3C-3D, Error ellipse: s-maj=32.2km s-min=26.7km

az=176.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan 2.70 36 U/P, MNAS Manas 4.70 10 U/P, KK31 Karatay Array 5.29 353 P, etc.

DJA 09:01:04:18.4+1.9, 3.54S x 123.3E, h34km, mb39km, M3.6/4, ML3.6/4, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDI Kendari 0.94 214 P, LUWI Luwuk 2.15 350 P, APSI Ampanga 2.69 326 P, etc.

DJA 09:01:21:00.8+0.5, 4.5S x 133.3E, h53km, mb10km, M3.6/7, ML3.6/7, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FAKI Fak Fak 0.69 330 P, KMPI Kaimana, Papua 1.11 97 P, RANSKI Ransiki, Papua 2.54 38 P, etc.

IDC 09:01:24:23.6+7.7, 17.65S x 176.51W, h0km, mb3.7/2, mb1.4/0.2, mb1mx3.4/5.1, mbtmp3.7/2, Error ellipse: s-maj=32.41km s-min=66.8km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr 46.46 259 P, ASAR Alice Springs 46.60 254 P, BRTR Keskin Array B 145.87 316 PKPbc, etc.

NIED 09:01:25:00, 45.60N, 151.30E, h8km, Mw4.5 Best double couple: M7, 19000 x 1015 NP1, 255.00000, 325.00000, 1.16.00000, NP2, 46.00000, 367.00000, 1.78.00000, NEIC 09:01:25:43.1+0.4, 45.39N, 151.27E, h10km, mb4.8/2.1, Error ellipse: s-maj=10.2km s-min=5.9km az=137.0

ISCJB 09:01:25:44.0+0.3, 45.29N, 151.39E, h32km, mb4.2/42, MS3.5/3, Error ellipse: s-maj=7.5km s-min=2.6km az=146.2

SKHL 09:01:25:44.0+0.6, 45.12N, 151.62E, h50km, mb5.1/7, MS4.0/4

JMA 09:01:25:44.5+0.4, 45.62N, 151.33E, h30km, Mb4.5

MOS 09:01:25:46.1+0.9, 45.29N, 151.33E, h51km, mb4.8/15, Error ellipse: s-maj=7.5km s-min=6.3km az=83.2

IDC 09:01:25:48.9+2.3, 45.43N, 151.25E, h58km, mb3.7/20, mb1.3/0.29, mb1mx3.7/7.5, mbtmp3.9/29, ML3.8/5, MS3.3/7, MS1.3/7, ms1mx2.9/7.2, Error ellipse: s-maj=17.9km s-min=12.5km az=128.0

ISC 09:01:25:45.6+0.5, 45.21N, 151.40E, h32km, n201, 0139/210, mb4.4/53, MS3.3/3, 17C-9D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR Kuril'sk 2.50 272 eP, KUR 82nm, 0.3s, KUR 118nm, 0.3s, KUR 377nm, 0.3s, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR 377nm, 0.3s, KUR comp=N, 167nm, 0.2s, KUR comp=E, 118nm, 0.2s, etc.

MAN 09:00:55:32s, 10:27N-123:33E, h1km, mb4.7, ML3.6, MS3.5, 1C-3D, Cebu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LLLP Lapu-Lapu 0.62 85 U/P, TBP Tagbilaran 0.77 138 eP, GUIM Jordan 0.81 296 eP, etc.

NNC 09:00:59:59.1+4.2, 37.85N x 71.43E, h0km, mb3.8, mpv3.4, 3C-3D, Error ellipse: s-maj=32.2km s-min=26.7km

az=176.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan 2.70 36 U/P, MNAS Manas 4.70 10 U/P, KK31 Karatay Array 5.29 353 P, etc.

DJA 09:01:04:18.4+1.9, 3.54S x 123.3E, h34km, mb39km, M3.6/4, ML3.6/4, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDI Kendari 0.94 214 P, LUWI Luwuk 2.15 350 P, APSI Ampanga 2.69 326 P, etc.

DJA 09:01:21:00.8+0.5, 4.5S x 133.3E, h53km, mb10km, M3.6/7, ML3.6/7, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FAKI Fak Fak 0.69 330 P, KMPI Kaimana, Papua 1.11 97 P, RANSKI Ransiki, Papua 2.54 38 P, etc.

IDC 09:01:24:23.6+7.7, 17.65S x 176.51W, h0km, mb3.7/2, mb1.4/0.2, mb1mx3.4/5.1, mbtmp3.7/2, Error ellipse: s-maj=32.41km s-min=66.8km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr 46.46 259 P, ASAR Alice Springs 46.60 254 P, BRTR Keskin Array B 145.87 316 PKPbc, etc.

NIED 09:01:25:00, 45.60N, 151.30E, h8km, Mw4.5 Best double couple: M7, 19000 x 1015 NP1, 255.00000, 325.00000, 1.16.00000, NP2, 46.00000, 367.00000, 1.78.00000, NEIC 09:01:25:43.1+0.4, 45.39N, 151.27E, h10km, mb4.8/2.1, Error ellipse: s-maj=10.2km s-min=5.9km az=137.0

ISCJB 09:01:25:44.0+0.3, 45.29N, 151.39E, h32km, mb4.2/42, MS3.5/3, Error ellipse: s-maj=7.5km s-min=2.6km az=146.2

SKHL 09:01:25:44.0+0.6, 45.12N, 151.62E, h50km, mb5.1/7, MS4.0/4

JMA 09:01:25:44.5+0.4, 45.62N, 151.33E, h30km, Mb4.5

MOS 09:01:25:46.1+0.9, 45.29N, 151.33E, h51km, mb4.8/15, Error ellipse: s-maj=7.5km s-min=6.3km az=83.2

IDC 09:01:25:48.9+2.3, 45.43N, 151.25E, h58km, mb3.7/20, mb1.3/0.29, mb1mx3.7/7.5, mbtmp3.9/29, ML3.8/5, MS3.3/7, MS1.3/7, ms1mx2.9/7.2, Error ellipse: s-maj=17.9km s-min=12.5km az=128.0

ISC 09:01:25:45.6+0.5, 45.21N, 151.40E, h32km, n201, 0139/210, mb4.4/53, MS3.3/3, 17C-9D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR Kuril'sk 2.50 272 eP, KUR 82nm, 0.3s, KUR 118nm, 0.3s, KUR 377nm, 0.3s, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR comp=Z, 82nm, 0.5s, SKR comp=Z, 600nm, 17.0s, SKR comp=E, 800nm, 11.0s, etc.

MAN 09:00:55:32s, 10:27N-123:33E, h1km, mb4.7, ML3.6, MS3.5, 1C-3D, Cebu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAJ Asahikawa 6.37 263 P, ASAJ comp=N, 4.5nm, 0.3s, bazz=73, slow=12, SNR=11, etc.

NNC 09:00:59:59.1+4.2, 37.85N x 71.43E, h0km, mb3.8, mpv3.4, 3C-3D, Error ellipse: s-maj=32.2km s-min=26.7km

az=176.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan 2.70 36 U/P, MNAS Manas 4.70 10 U/P, KK31 Karatay Array 5.29 353 P, etc.

DJA 09:01:04:18.4+1.9, 3.54S x 123.3E, h34km, mb39km, M3.6/4, ML3.6/4, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDI Kendari 0.94 214 P, LUWI Luwuk 2.15 350 P, APSI Ampanga 2.69 326 P, etc.

DJA 09:01:21:00.8+0.5, 4.5S x 133.3E, h53km, mb10km, M3.6/7, ML3.6/7, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FAKI Fak Fak 0.69 330 P, KMPI Kaimana, Papua 1.11 97 P, RANSKI Ransiki, Papua 2.54 38 P, etc.

IDC 09:01:24:23.6+7.7, 17.65S x 176.51W, h0km, mb3.7/2, mb1.4/0.2, mb1mx3.4/5.1, mbtmp3.7/2, Error ellipse: s-maj=32.41km s-min=66.8km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr 46.46 259 P, ASAR Alice Springs 46.60 254 P, BRTR Keskin Array B 145.87 316 PKPbc, etc.

NIED 09:01:25:00, 45.60N, 151.30E, h8km, Mw4.5 Best double couple: M7, 19000 x 1015 NP1, 255.00000, 325.00000, 1.16.00000, NP2, 46.00000, 367.00000, 1.78.00000, NEIC 09:01:25:43.1+0.4, 45.39N, 151.27E, h10km, mb4.8/2.1, Error ellipse: s-maj=10.2km s-min=5.9km az=137.0

ISCJB 09:01:25:44.0+0.3, 45.29N, 151.39E, h32km, mb4.2/42, MS3.5/3, Error ellipse: s-maj=7.5km s-min=2.6km az=146.2

SKHL 09:01:25:44.0+0.6, 45.12N, 151.62E, h50km, mb5.1/7, MS4.0/4

JMA 09:01:25:44.5+0.4, 45.62N, 151.33E, h30km, Mb4.5

MOS 09:01:25:46.1+0.9, 45.29N, 151.33E, h51km, mb4.8/15, Error ellipse: s-maj=7.5km s-min=6.3km az=83.2

IDC 09:01:25:48.9+2.3, 45.43N, 151.25E, h58km, mb3.7/20, mb1.3/0.29, mb1mx3.7/7.5, mbtmp3.9/29, ML3.8/5, MS3.3/7, MS1.3/7, ms1mx2.9/7.2, Error ellipse: s-maj=17.9km s-min=12.5km az=128.0

ISC 09:01:25:45.6+0.5, 45.21N, 151.40E, h32km, n201, 0139/210, mb4.4/53, MS3.3/3, 17C-9D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR comp=Z, 82nm, 0.5s, SKR comp=Z, 600nm, 17.0s, SKR comp=E, 800nm, 11.0s, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like VYHs, ICOR, VRAC, etc.

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

SJA 09 01:44:21.0, 4.0, 7.35, 42S:72.43W, h63km, 15km, ML4.0, MW4.1

NEIC 09 01:44:27.0, 0.0, 35:21S:72:07W, h50km, mb4.5/22, ML4.1(GUC), Enter GUC.

NEIC Feit [V] at Talca; [III] at Constitucion, Iloca, Longavi, Villa Alegre.

GUC 09 01:44:27.0, 0.6, 35:21S:72:07W, h50km, 2km, ML4.1

ISJC 09 01:44:28.9, 3.3, 35:25S:71:90W, h63km, 29km, mb3.7/8, Ms1.8/2.2, ms1mx2.6/30, Error ellipse: s-maj=30.3km

BUI 09 01:44:28.0, 35:20S:72:10W, h50km

ISC 09 01:44:27.1, 0.6, 35:19S:0:04, 72:00W, 0.06, h45km, 5km, n77, r195/96, mb4.5/27, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like GO05, GO05, GO05, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PD31, PDAR, PDAR, etc.

WRA Warramunga Arr 119.74 209 ePKPdf PKPdf 02 03 11.2 -1.5

WRA Warramunga Arr 119.74 209 PKP PKP 02 03 11.2 -1.5

BVR Borovoye Array 148.12 44 PKPbc PKPbc 02 04 06.5 -0.8

KURB Kurchatov Array 153.70 45 PKPbc PKPbc 02 04 19.4 -1.1

KURB Kurchatov 153.71 45 ePKPbc sPKPdf 02 04 33.1 +1.5

KURK Kurchatov 153.71 45 ePKPbc PKPbc 02 04 19.4 -1.1

KURK Kurchatov 153.71 45 ePKPbc sPKPdf 02 04 33.1 +1.5

KSH Kashi 154.26 71 ePKPbc PKPbc 02 04 26.1 -1.9

KSH Kashi 154.26 71 PKP PKP 02 04 26.1 -1.9

KSH Kashi 154.26 71 PKP PKP 02 04 26.1 -1.9

ZAA1 Zalesovo Array 155.20 34 ePKPbc PKPbc 02 04 39.6 -0.1

ZALV Zalesovo Beam 155.21 34 PKPbc PKPbc 02 04 39.6 -0.2

MK32 Makanchi Array 157.50 51 ePKPbc PKPbc 02 04 49.8 -0.2

MKAR Makanchi Array 157.50 51 PKPbc PKPbc 02 04 49.8 -0.2

WMO Urumqi 162.12 55 ePKPbc PKPbc 02 04 22.6 -0.8

NJ2 Hanchi 170.42 254 ePKPbc PKPbc 02 04 30.3 -0.2

HHC Hu-ho-hao-te 173.69 35 ePKPbc PKPbc 02 04 30.3 +1.4

ISC 09 02:15:34.8, 1.9, 2.77N:126:11E, h0km, mb3.5/4, mb1.3/4, mb1mx3.3/56, mb1mx3.5/4, Error ellipse: s-maj=191.0km s-min=22.3km az=66.0, Northern Moluca Sea

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WRA, ASAR, MKAR, etc.

ISC 09 02:19:10.5, 7.9, 11:07S:166:19E, h200km, 79km, mb3.4/7, mb1.3/7, mb1mx3.3/51, mb1mx3.3/67, Error ellipse: s-maj=57.8km s-min=22.1km az=198.0, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like DZM, H1S2, H1S3, etc.

MAN 09 03:23:57.8, 16:11N:119:73E, h12km, mb4.9, ML3.8, MS3.7, Luzon

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BOLP, SCZP, etc.

ISC 09 03:25:12.6, 8.2, 2.74S:93:18E, h0km, mb3.7/4, mb1.3/8, mb1mx3.8/4, mb1mx3.8/4, mb1mx3.8/4, Error ellipse: s-maj=218.5km s-min=72.6km az=135.0, Southwest of Sumatra

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CMAR, MKAR, etc.

JMA 09 03:26:53.0, 1.7, 45:67N:151:54E, h30km, M3.8, Kuril Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like NEM2, JRA, etc.

JMA 09 03:38:04.1, 0.5, 46:46N:152:34E, h30km, M3.9, Kuril Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like NEM2, JRA, etc.

2012 JUL

Table with columns: Call, Collim, Frequency, Power, Azimuth, Elevation, and other technical details for various stations.

Table with columns: Call, Collim, Frequency, Power, Azimuth, Elevation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other technical details for various stations.

MTVR	Mutnovka	7.60	60	P	P	07 22 47.4	-1.3
MTVR				S	S	07 24 18.6	-3.7
KRMR	Karymshinskiy	7.71	57	eP	P	07 22 48.7	-0.8
KRMR				S	S	07 24 18.6	-5.3
KRMR	Karymshinskiy	7.71	57	eP	P	07 22 48.7	-0.8
KRMR				S	S	07 24 18.6	-5.3
JEM	Ermo	7.72	204	eP	P	07 22 47.8	-2.1
ERM	Ermo	7.72	204	eP	P	07 22 47.8	-2.1
ERM	Ermo	7.72	204	eP	P	07 22 48.1	-1.9
ERM	Ermo	7.72	204	eP	P	07 22 47.8	-2.1
ERM				pmax	pmax		
RUS	Russkaya	7.77	61	eP	P	07 22 48.5	-1.7
RUS				S	S	07 24 19.0	-6.0
RUS	Russkaya	7.77	61	eP	P	07 22 48.5	-1.7
RUS				S	S	07 24 19.0	-6.0
GNL	Ganally	8.01	51	eP	P	07 22 52.1	-0.5
GNL				S	S	07 22 52.1	-0.5
GNL	Ganally	8.01	51	eP	P	07 22 52.1	-0.5
GNL				S	S	07 22 52.1	-0.5
PET	Petropavlovsk	8.07	57	eP	P	07 22 52.0	-1.1
PET				S	S	07 22 52.7	-0.5
PET	Petropavlovsk	8.07	57	eP	P	07 22 53.1	0.0
PET				S	S	07 24 22.7	-7.8
PET				pmax	pmax		
PET	comp=Z,230nm,0.6s			smax	smax		
PET	comp=N,1µm,6.5s			smax	smax		
PET	comp=N,1µm,12.2s			MLR	MLR		
PET	comp=Z,200nm,12.0s			MLR	MLR		
DALK	Dalny	8.13	57	eP	P	07 22 53.0	-0.7
DALK				S	S	07 24 26.0	-5.5
DALK	Dalny	8.13	57	eP	P	07 22 53.0	-0.7
DALK				S	S	07 24 26.0	-5.5
KOK	Koryaka	8.18	55	eP	P	07 22 53.1	-1.2
KOK				S	S	07 22 54.4	-0.3
KRX	Arik	8.22	55	eP	P	07 22 54.4	-0.3
KRX				S	S	07 22 54.9	-0.1
UGLR	Uglovaya	8.24	56	eP	P	07 22 54.9	-0.1
UGLR				S	S	07 24 29.6	-4.2
UGLR	Uglovaya	8.24	56	eP	P	07 22 54.9	-0.1
UGLR				S	S	07 24 29.6	-4.2
SMAR	Somma	8.26	56	eP	P	07 22 54.9	-0.3
SMAR				S	S	07 24 29.6	-4.2
SMAR	Somma	8.26	56	eP	P	07 22 54.9	-0.3
SMAR				S	S	07 24 29.6	-4.2
JSH	Shimam	8.28	221	eP	P	07 22 53.7	-1.7
SDLR	Sedlovina	8.31	56	eP	P	07 22 55.1	-0.5
SDLR				S	S	07 24 29.2	-5.8
SDLR	Sedlovina	8.31	56	eP	P	07 22 55.1	-0.5
SDLR				S	S	07 24 29.2	-5.8
NLC	Nalytchevo	8.52	57	eP	P	07 22 56.9	-0.6
NLC				S	S	07 24 33.2	-5.2
NLC	Nalytchevo	8.52	57	eP	P	07 22 56.9	-0.6
NLC				S	S	07 24 33.2	-5.2
SPN	Mys Shipunski	8.86	59	eP	P	07 22 59.0	-2.0
SPN				S	S	07 24 37.1	-7.8
SPN	Mys Shipunski	8.86	59	eP	P	07 22 59.0	-2.0
SPN				S	S	07 24 37.1	-7.8
KII	Karymskiy	8.95	52	eP	P	07 22 59.7	-2.2
KII				S	S	07 23 01.1	-1.1
JOT	Ohata	8.96	212	eP	P	07 23 01.1	-1.1
JTM	Temabayashi	9.48	211	eP	P	07 23 05.9	-1.6
ESO	Esso	9.66	41	eP	P	07 23 10.5	+1.5
ESO				S	S	07 23 12.6	+0.7
TUMR	Tumrok	9.94	47	eP	P	07 23 12.6	+0.7
TUMR				S	S	07 23 12.6	+0.7
TUMR	Tumrok	9.94	47	eP	P	07 23 12.6	+0.7
TUMR				S	S	07 23 12.6	+0.7
KMNR	Kamenistaya	10.25	45	eP	P	07 23 16.1	+1.1
KMNR				S	S	07 23 16.1	+1.1
KMNR	Kamenistaya	10.25	45	eP	P	07 23 16.1	+1.1
KMNR				S	S	07 23 16.1	+1.1
KOZ	Kozyrevsk	10.26	43	eP	P	07 23 16.5	+1.4
KOZ				S	S	07 23 16.5	+1.4
KOZ	Kozyrevsk	10.26	43	eP	P	07 23 16.5	+1.4
KOZ				S	S	07 23 16.5	+1.4
KLK	Kul'dur	10.28	276	eP	P	07 23 15.2	0.0
KLK				S	S	07 25 10.6	-0.3
KLK	Kul'dur	10.28	276	eP	P	07 23 15.2	0.0
KLK				S	S	07 25 10.6	-0.3
KLR	Kul'dur	10.26	276	eP	P	07 23 15.8	+0.6
KLR				S	S	07 23 15.2	0.0
KLR	Kul'dur	10.26	276	eP	P	07 23 15.8	+0.6
KLR				S	S	07 23 15.2	0.0
KPT	Kopyto	10.36	44	eP	P	07 23 17.0	+0.8
KPT				S	S	07 23 17.0	+0.8
KPT	Kopyto	10.36	44	eP	P	07 23 17.0	+0.8
KPT				S	S	07 23 17.0	+0.8
MKZ	Mys Kozlova	10.38	53	eP	P	07 23 14.0	-2.3
MKZ				S	S	07 23 14.0	-2.3
MKZ	Mys Kozlova	10.38	53	eP	P	07 23 14.0	-2.3
MKZ				S	S	07 23 14.0	-2.3
KIRR	Kirishev	10.41	44	eP	P	07 23 17.3	+0.6
KIRR				S	S	07 23 17.3	+0.6
KIRR	Kirishev	10.41	44	eP	P	07 23 17.3	+0.6
KIRR				S	S	07 23 17.3	+0.6
BZWR	Bezmyannaya	10.47	44	eP	P	07 23 18.4	+1.1
BZWR				S	S	07 23 18.4	+1.1
BZWR	Bezmyannaya	10.47	44	eP	P	07 23 18.4	+1.1
BZWR				S	S	07 23 18.4	+1.1
BZWR	Bezmyanniy-We	10.49	44	eP	P	07 23 18.5	+0.9
BZWR				S	S	07 23 18.5	+0.9
BZWR	Bezmyanniy-We	10.49	44	eP	P	07 23 18.5	+0.9
BZWR				S	S	07 23 18.5	+0.9
JOM	Ohasama	10.60	207	eP	P	07 23 18.7	-0.2
JOM				S	S	07 23 20.3	+1.0
LGNR	Loginovaya	10.64	44	eP	P	07 23 20.3	+1.0
LGNR				S	S	07 23 19.2	+0.3
MA2	Magadan	10.64	9	eP	P	07 23 19.2	+0.3
MA2				S	S	07 25 17.6	0.0
MA2	Magadan	10.64	9	eP	P	07 23 19.2	+0.3
MA2				S	S	07 25 17.6	0.0
MA2	Magadan	10.64	9	eP	P	07 23 19.2	+0.3
MA2				S	S	07 25 17.6	0.0
ZLN	Zelenaya	10.66	45	eP	P	07 23 20.5	+1.3
ZLN				S	S	07 23 20.5	+1.3
ZLN	Zelenaya	10.66	45	eP	P	07 23 20.5	+1.3
ZLN				S	S	07 23 20.5	+1.3
KRSH	Krestovskiy	10.66	43	eP	P	07 23 19.5	+0.2
KRSH				S	S	07 23 20.4	+0.8
KRSH	Krestovskiy	10.66	43	eP	P	07 23 19.5	+0.2
KRSH				S	S	07 23 20.4	+0.8
CIRR	Csirk	10.69	44	eP	P	07 23 20.4	+0.8
CIRR				S	S	07 23 21.3	+1.2
CIRR	Csirk	10.69	44	eP	P	07 23 20.4	+0.8
CIRR				S	S	07 23 21.3	+1.2
KLY	Klyuchi	10.76	43	eP	P	07 23 21.3	+1.2
KLY				S	S	07 23 21.3	+1.2
KLY	Klyuchi	10.76	43	eP	P	07 23 21.3	+1.2
KLY				S	S	07 23 21.3	+1.2
BDR	Baidarnaya	11.16	43	eP	P	07 23 24.8	+0.4
BDR				S	S	07 23 25.6	+0.9
BDR	Baidarnaya	11.16	43	eP	P	07 23 24.8	+0.4
BDR				S	S	07 23 25.6	+0.9
SRKR	Sorokina	11.20	43	eP	P	07 23 25.6	+0.9
SRKR				S	S	07 23 25.6	+0.9
SRKR	Sorokina	11.20	43	eP	P	07 23 25.6	+0.9
SRKR				S	S	07 23 25.6	+0.9
SMKR	Semkarok	11.29	43	eP	P	07 23 25.6	+0.9
SMKR				S	S	07 25 26.3	-3.6
SMKR	Semkarok	11.29	43	eP	P	07 23 25.6	+0.9
SMKR				S	S	07 25 26.3	-3.6
USRK	Ussuriysk Ar.	11.69	251	eP	P	07 23 28.1	-1.8
USRK				S	S	07 25 34.2	-3.4
USRK	Ussuriysk Ar.	11.69	251	eP	P	07 23 28.1	-1.8
USRK				S	S	07 25 34.2	-3.4
USRK				ScP	ScP	07 31 05.5	-1.2
KBTR	Krutoberegovo	11.71	47	eP	P	07 23 27.3	-2.6
JYA	Atsumi	11.91	211	eP	P	07 23 32.5	+0.2
JYA				S	S	07 23 35.8	+0.1
JYA	Atsumi	11.91	211	eP	P	07 23 32.5	+0.2
JYA				S	S	07 23 35.8	+0.1
JMM	Marumori	12.24	206	eP	P	07 23 36.5	-0.1
JMM				S	S	07 23 36.5	-0.1
JMM	Marumori	12.24	206	eP	P	07 23 36.5	-0.1
JMM				S	S	07 23 36.5	-0.1
PALN	Palana	12.37	32	eP	P	07 23 43.0	+1.0
PALN				S	S	07 25 55.3	-4.6
PALN	Palana	12.37	32	eP	P	07 23 43.0	+1.0
PALN				S	S	07 25 55.3	-4.6
BKI	Bering	12.89	55	eP	P	07 23 43.0	+1.0
BKI				S	S	07 23 43.0	+1.0
BKI	Bering	12.89	55	eP	P	07 23 43.0	+1.0
BKI				S	S	07 23 43.0	+1.0
BKI	Bering	12.89	55	eP	P	07 23 43.0	+1.0
BKI				S	S	07 23 43.0	+1.0
BKI	Bering	12.89	55	eP	P	07 23 43.0	+1.0
BKI				S	S	07 23 43.0	+1.0
JSD	Sado	12.91	214	eP	P	07 23 42.6	0.0
JSD				S	S	07 25 28.8	
JSD	Sado	12.91	214	eP	P	07 23 42.6	0.0
JSD				S	S	07 25 28.8	
MDJ	Mudanjiang	13.00	256	eP	P	07 25 28.8	
MDJ				S	S	07 25 54.2	-8.2
MDJ	Mudanjiang	13.00	256	eP	P	07 25 28.8	
MDJ				S	S	07 25 54.2	-8.2
MDJ				pmax	pmax		
MDJ	comp=Z,170nm,0.8s			pmax	pmax		
MDJ	comp=Z,2µm,6.1s			pmax	pmax		
MDJ	Mudanjiang	13.00	256	eP	P	07 23 41.4	-2.0
MDJ				S	S	07 26 03.0	-6.2
MDJ	Zeya	13.08	298	eP	P	07 26 03.0	-6.2
MDJ				S	S		
ZEA				pmax	pmax		
ZEA	comp=N,170nm,0.8s			pmax	pmax		
ZEA	comp=E,110nm,0.8s			pmax	pmax		
ZEA	comp=Z,290nm,1.0s			pmax	pmax		
ZEA	comp=N,200nm,3.0s			pmax	pmax		
ZEA	comp=Z,600nm,3.0s			pmax	pmax		
ZEA	comp=E,400nm,4.0s			pmax	pmax		
ZEA	comp=E,4µm,5.0s			smax	smax		
ZEA	comp=N,4µm,4.0s			smax	smax		

ZEA	comp=Z,2µm,10.0s			MLR	MLR		
ZEA	comp=E,2µm,7.0s			MLR	MLR		
ZEA	comp=N,2µm,8.0s			MLR	MLR		
JYT	Yasato	13.94	205	P	P	07 23 52.5	-0.7
JYT				S	S	07 23 53.9	-0.5
JYT							

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Table with columns: ICAO, Name, Frequency, Power, Mode, and other technical details. Includes stations like Kodiak Island, Thorofore Moun, Toolik Lake Re, etc.

Table with columns: ICAO, Name, Frequency, Power, Mode, and other technical details. Includes stations like Inuvik, Semipalatinsk, Kuning, etc.

Table with columns: ICAO, Name, Frequency, Power, Mode, and other technical details. Includes stations like Chiang Mai, Chiang Mai, Chiang Mai, etc.

DANN	Dangsing	52.19 271	eP	P	07 29 15.4 +1.2
IUG	luzhnay	52.35 294	i/P	P	07 29 16.0 +1.0
TARA	Tarawa	52.38 147	eP	P	07 29 16.4 +1.1
KHLH	Kahului Aipor	52.45 102	eP	P	07 29 17.5 +1.8
SRDT	SRDT	52.47 246	P	P	07 29 17.1 +1.1
LBMI	Labuha	52.47 205	P	P	07 29 15.9 -0.1
TULEG	Thule	52.49 10	eP	P	07 29 14.7 -0.5
CHM	Chimkent	52.51 294	eP	P	07 29 16.9 +0.9
CHM	Haleakala	52.67 102	eP	SS	07 29 52.6 +3.7
KOLN	Koldanda	52.68 271	eP	P	07 29 18.9 +1.2
PYUN	Piuthan	52.68 271	eP	P	07 29 18.5 +0.9
LVZ	Lovozero	52.71 102	eP	P	07 29 19.7 +0.8
LVZ	Lovozero	53.00 334	eP	P	07 29 18.6 -0.5
MRSI	Marisa	53.19 212	P	P	07 29 21.2 +0.1
PRGR	Permogore	53.24 324	i/P	P	07 29 21.0 +0.2
PRGR	Permogore	53.49 199	eP	S	07 31 27.9
PRGR	Permogore	53.49 199	eP	S	07 36 09.9 +0.1
RABL	Rabaul	53.27 174	eP	P	07 29 23.7 +2.1
PHET	Kaeng Krachan	53.30 244	P	P	07 29 23.4 +1.6
MHA	Mahukona	53.30 102	eP	P	07 29 23.1 +1.3
MHA	Mahukona	53.30 102	eP	P	07 29 23.1 +1.3
FAKI	Fak Fak	53.49 199	eP	P	07 29 23.5 +0.3
FAKI	Fak Fak	53.49 199	eP	P	07 29 23.5 +0.3
HPAH	Hawaii Prepara	53.55 102	eP	P	07 29 24.8 +1.1
APA	Apatity	53.58 334	i/P	P	07 29 21.9 -1.2
APA	Apatity	53.58 334	i/P	P	07 30 19.7
KKH	Kailua Kona	53.61 102	eP	P	07 29 25.5 +1.5
KKH	Kailua Kona	53.61 102	eP	P	07 29 25.5 +1.5
HUH	Hualalai	53.71 102	eP	P	07 29 26.2 +1.1
KHLU	Kahalu'u	53.74 102	eP	P	07 29 26.2 +1.1
KEV	Kevo	53.76 338	eP	P	07 29 24.3 0.0
KEV	Kevo	53.76 338	eP	P	07 29 24.3 0.0
POHA	Pohakuloa	53.85 102	eP	P	07 29 27.4 +1.4
HAMP	Hammerfest	53.90 340	eP	P	07 29 24.9 -0.3
AB31	Akbulak array	53.94 306	P	P	07 29 26.2 +0.3
AB31	Akbulak array	53.94 306	P	P	07 29 26.2 +0.3
ABKAR	Akbulak array	53.94 306	eP	P	07 29 26.2 +0.2
MLOA	Mauna Loa Obse	53.98 102	eP	P	07 29 29.2 +2.0
HMH	Humu'ula Sheep	54.00 102	eP	P	07 29 28.6 +1.5
MWH	Moku'awewe	54.01 102	eP	P	07 29 28.5 +1.1
DAG	Danmarks Havn	54.06 356	i/P	P	07 29 26.0 -0.3
DAG	Danmarks Havn	54.06 356	i/P	P	07 31 14.8
DAG	Danmarks Havn	54.06 356	i/P	P	07 29 26.0 -0.3
DAG	Danmarks Havn	54.06 356	i/P	P	07 31 14.8
MPSI	Mapaga	54.06 215	eP	P	07 29 27.6 +0.4
MLH	Mauna Loa	54.14 102	eP	P	07 29 29.4 +1.4
MLH	Mauna Loa	54.14 102	eP	P	07 29 29.4 +1.4
KHU	Kahuku	54.17 102	eP	P	07 29 29.4 +1.2
KHU	Kahuku	54.17 102	eP	P	07 29 29.5 +1.2
AIN	Ainahou	54.18 102	eP	P	07 29 29.5 +1.3
SANI	Sanana	54.25 207	P	P	07 29 28.0 -0.5
ARAQ	ARCESS Array S	54.28 338	eP	P	07 29 27.9 -0.3
ARAQ	ARCESS Array S	54.28 338	eP	P	07 29 28.0 0.0
ARCES	ARCESS Array B	54.28 338	eP	P	07 29 28.0 0.0
ARCES	ARCESS Array B	54.28 338	eP	P	07 30 23.0 -0.3
ARCES	ARCESS Array B	54.28 338	eP	P	07 30 23.0 -0.3
ARCES	ARCESS Array B	54.28 338	eP	P	07 30 23.0 -0.3
AREO	ARCESS Array S	54.28 338	eP	P	07 29 28.0 0.0
AREO	ARCESS Array S	54.28 338	eP	P	07 29 28.0 0.0
KFO	Keanakakoi	54.28 102	eP	P	07 29 29.9 +1.0
PUH	Pauahi	54.33 102	eP	P	07 29 30.5 +1.2
HULD	Heiheiatulu Di	54.46 102	eP	P	07 29 31.4 +1.3
APSI	Ampana	54.58 212	P	P	07 29 31.0 +0.1
LLL	Lilloet	54.83 51	eP	P	07 29 33.6 +1.4
PGC	Sidney	55.18 54	eP	P	07 29 35.7 +1.1
KTK1	Kautokeino	55.22 339	eP	P	07 29 34.7 +0.1
PCI	Palu	55.23 214	P	P	07 29 35.5 +0.1
SBUM	Sibu	55.37 224	eP	P	07 29 38.4 +2.0
KULLO	Kullorsuaq	55.47 8	i/P	P	07 29 35.7 -0.5
KULLO	Kullorsuaq	55.47 8	i/P	P	07 31 24.4
KULLO	Kullorsuaq	55.47 8	i/P	P	07 29 35.7 -0.5
A04D	Lummi Island	55.53 283	P	P	07 29 38.1 +1.1
NIL	Nilore	55.57 283	eP	P	07 29 38.8 +1.2
NIL	Nilore	55.57 283	eP	P	07 29 38.8 +1.2
NLW	Neilton Lookou	55.72 55	eP	P	07 29 40.2 +1.8
TRO	Tromso	55.72 341	eP	P	07 29 38.1 +0.1
TRO	Tromso	55.72 341	eP	P	07 29 38.7
KLMR	Klimovskoe	56.03 326	eP	P	07 29 36.8 -3.5
KLMR	Klimovskoe	56.03 326	eP	P	07 29 36.8 -3.5
KLMR	Klimovskoe	56.03 326	eP	P	07 29 36.8 -3.5
KLMR	Klimovskoe	56.03 326	eP	P	07 29 36.8 -3.5
B05A	Bryant	56.13 54	P	P	07 31 48.5 -4.7
NDI	New Delhi	56.25 276	eP	P	07 29 43.0 +0.6
B06A	Marmelount	56.30 53	eP	P	07 29 43.7 +1.4
E03A	Lebam	56.40 56	eP	P	07 29 44.9 +1.8
D05A	Enumclaw	56.85 55	eP	P	07 29 47.7 +1.6
F04D	Rainier, OR	56.98 56	P	P	07 29 48.6 +1.5
KDI	Kendari	57.10 210	P	P	07 29 49.5 +1.2

LON	Longmire	57.22 55	eP	P	07 29 49.9 +1.1
LON	Longmire	57.22 55	eP	P	07 29 49.9 +1.1
MTKI	Mt. Tevrek, K	57.22 55	eP	P	07 29 50.2 +1.1
SKLT	Songkhla	57.34 239	P	P	07 29 52.1 +2.2
G03D	McMinnville, O	57.39 57	P	P	07 29 51.8 +1.9
B08A	Colville Reser	57.52 52	eP	P	07 29 52.0 +1.3
KBL	Kabul	57.67 287	eP	P	07 29 52.0 -0.2
KBL	Kabul	57.67 287	eP	P	07 29 52.0 -0.2
COR	Corvallis	57.76 58	eP	P	07 29 55.0 +2.6
COR	Corvallis	57.76 58	eP	P	07 29 55.0 +2.6
COR	Corvallis	57.76 58	eP	P	07 29 55.0 +2.6
STEI	Steigen	57.90 341	eP	P	07 29 52.6 -0.3
STEI	Steigen	57.90 341	eP	P	07 29 53.1
SPSI	Sidrap Palu	58.09 213	P	P	07 29 55.8 +0.9
LOF	Lofoten	58.09 341	eP	P	07 29 53.7 -0.5
LOF	Lofoten	58.09 341	eP	P	07 29 54.6
KEBM	Edson Butte	58.27 60	eP	P	07 29 58.0 +2.0
I03D	Drain, OR	58.30 58	P	P	07 29 58.3 +2.3
H04A	Detroit Lake	58.32 57	eP	P	07 29 58.0 +1.8
G05D	Wamic, OR	58.44 56	P	P	07 29 58.7 +1.7
SUMG	Summit	58.52 2	eP	P	07 29 58.7 +1.1
SUMG	Summit	58.52 2	eP	P	07 29 58.4 +0.8
SUMG	Summit	58.52 2	eP	P	07 29 58.4 +0.8
SUMG	Summit	58.52 2	eP	P	07 29 58.4 +0.8
NEW	Newport	58.72 51	P	P	07 30 00.1 +1.2
NEW	Newport	58.72 51	P	P	07 30 00.1 +1.2
NEW	Newport	58.72 51	P	P	07 30 00.1 +1.2
NEW	Newport	58.72 51	P	P	07 30 00.1 +1.2
KBO	Bosley Butte	58.75 60	eP	P	07 30 01.4 +2.2
I04A	Tendick Farm	58.76 58	P	P	07 30 01.0 +1.8
F07A	Phinny Hill Vi	58.77 55	eP	P	07 30 00.6 +1.5
G06A	Carlson Farm	58.81 56	eP	P	07 30 00.6 +1.0
E08A	Dider Farm, E	58.85 54	eP	P	07 30 01.0 +1.3
KULM	Kulim	58.87 238	eP	P	07 30 01.7 +1.5
I05D	Tettonone, OR	59.00 57	P	P	07 30 02.5 +1.7
J02D	Cave Junction	59.14 60	P	P	07 30 03.7 +2.0
HUMO	Hull Mountain	59.22 59	eP	P	07 30 04.3 +2.0
BKSI	Bulukumba	59.22 212	P	P	07 30 02.7 +0.2
J04D	Umpqua Nations	59.28 58	P	P	07 30 04.8 +1.9
E09A	Wagon Farm, Sta	59.32 53	eP	P	07 30 03.5 +0.6
HNR	Honiara	59.34 166	P	P	07 30 04.3 +0.9
HNR	Honiara	59.34 166	P	P	07 30 04.3 +0.9
MOR8	Mori Rana	59.53 340	eP	P	07 30 02.7 -1.2
MOR8	Mori Rana	59.53 340	eP	P	07 30 03.3
KONS	Konsvik	59.55 341	eP	P	07 30 03.8 -0.1
KONS	Konsvik	59.55 341	eP	P	07 30 04.3
PINE	Pine Mountain	59.58 57	eP	P	07 30 06.9 +2.0
G08A	Pile Rock	59.68 55	eP	P	07 30 06.8 +1.4
J05D	Fort Rock, OR	59.74 58	P	P	07 30 08.1 +2.2
JCC	Jacob Creek	59.76 61	eP	P	07 30 07.9 +2.1
WALA	Waterton Lakes	59.81 49	eP	P	07 30 07.2 +1.0
K04D	Chiloquin, OR	59.88 59	P	P	07 30 08.7 +1.8
KHMM	Horse Mountain	59.90 61	eP	P	07 30 09.2 +2.2
YBH	Yreka Blue Hor	59.92 60	P	P	07 30 07.9 +0.8
YBH	Yreka Blue Hor	59.92 60	P	P	07 30 09.2 +2.1
M02C	Callahan	60.06 60	P	P	07 30 10.0 +2.0
PUL	Pulkovo	60.07 329	eP	P	07 30 07.9 +0.4
PUL	Pulkovo	60.07 329	eP	P	07 30 07.9 +0.4
F10A	Beach Ranch, E	60.15 53	eP	P	07 30 09.7 +1.2
I07A	Ize	60.17 56	eP	P	07 30 10.6 +1.9
FAI1	FINESS Array S	60.19 332	eP	P	07 30 08.2 -0.1
FAI0	FINESS Array S	60.19 332	eP	P	07 30 07.2 -1.1
FAI0	FINESS Array S	60.19 332	eP	P	07 30 07.2 -1.1
FAI0	FINESS Array S	60.19 332	eP	P	07 30 07.2 -1.1
FINES	FINESS Array B	60.19 332	eP	P	07 30 07.2 -1.1
MOS	Moscow	60.26 322	eP	P	07 30 08.5 -0.4
MOS	Moscow	60.26 322	eP	P	07 30 07.8 -1.1
MOS	Moscow	60.26 322	eP	P	07 30 47.2
MOS	Moscow	60.26 322	eP	P	07 32 28.1
MOS	Moscow	60.26 322	eP	P	07 37 34.1 -5.7
MOS	Moscow	60.26 322	eP	P	07 38 58.9
M05A	Summer Lake	60.30 58	eP	P	07 30 11.9 +2.3
KMRM	Mali Ridge	60.34 62	eP	P	07 30 11.9 +2.2
M04C	Maedoe	60.38 59	P	P	07 30 12.0 +1.9
N02D	Trinity Center	60.42 61	P	P	07 30 12.4 +2.0
JTMT	Jette	60.50 50	eP	P	07 30 12.2 +1.4
KCPM	Cahto Peak	60.76 62	eP	P	07 30 14.5 +1.8
WDC	Whiskeytown Da	60.77 61	eP	P	07 30 14.1 +1.5
WDC	Whiskeytown Da	60.77 61	eP	P	07 30 14.1 +1.5
WDC	Whiskeytown Da	60.77 61	eP	P	07 30 14.1 +1.5
BMO	Blue Mountains	60.85 54	eP	P	07 30 14.5 +1.4
OBN	Obninsk	61.13 322	eP	P	07 30 13.9 -0.7
OBN	Obninsk	61.13 322	eP	P	07 30 14.1 -0.5
OBN	Obninsk	61.13 322	eP	P	07 30 13.9 -0.7
OBN	Obninsk	61.13 322	eP	P	07 30 49.7
OBN	Obninsk	61.13 322	eP	P	07 32 37.7
OBN	Obninsk	61.13 322	eP	P	07 33 02.6 -1.8
OBN	Obninsk	61.13 322	eP	P	07 37 48.7 -1.9
OBN	Obninsk	61.13 322	eP	P	07 45 09.9
OBN	Obninsk	61.13 322	eP	P	07 45 09.9
OBN	Obninsk	61.13 322	eP	P	07 45 09.9
OBN	Obninsk	61.13 322	eP	P	07 45 09.9
MOD	Modoc Plateau	61.17 58	eP	P	07 30 16.8 +1.5
ILULI	Ilulissat	61.18 7	eP	P	07 30 14.4 -0.4
ILULI	Ilulissat	61.18 7	eP	P	07 30 14.4 -0.4

ILULI	Ilulissat	61.18 7	i/P	P	07 30 14.3 -0.4
J08A	Circle Bar Ran	61.21 56	eP	P	07 30 17.3 +1.8
MSO	Missoula	61.28 51	P	P	07 30 16.9 +1.0
MCO	Missoula	61.28 51	eP	P	07 30 16.5 +0.5
FCC	Fort Churchill	61.30 31	eP	P	07 30 15.6 0.0
FCC	Fort Churchill	61.30 31	eP	P	07 30 15.6 0.0
FFC	Flin Flon	61.30 38	eP	P	07 30 16.3 +0.5
FFC	Flin Flon	61.30 38	eP	P	07 30 16.4 +0.6
FFC	Flin Flon	61.30 38	eP	P	07 30 16.4 +0.6
O03D	Paynes Creek	61.38 61	P	P	07 30 17.5 +0.9
O03D	Paynes Creek	61.3			

Table with columns: Station ID, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NB201, AKN, NV41, NVAR, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KONO, KONO, KONO, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like AKH, STAV, BVFC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Gorka Klasztor, Monument Peak, Barrett, Belsk, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Swanville, Leoma, Leova, Mielke Cairn, etc.

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

Table with columns: Name, Date, Time, Status, Result, and Comment. Includes entries for GOPC, GO Pecny, Ondr, Bisya, PRU, TUC, AJN, E42A, SULR, G40A, H39A, AS01, AS31, ASAR, F41A, F41A, KRUC, ARR, I38A, J37A, SMOL, BBO1, K36A, KESW, TASM, ANMO, ANMO, ANMO, TACL, NTK, NKV, NKD, MODS, MODS, LAZ, E43A, E43A, LOT, WTSB, WTSB, H40A, G41A, SGRF, BUD, K37A, E44A, E44A, BR101, BR131, BR131, BR131, BRTR, BRTR, BRTR, I39A, I39A, HPK, HPK, J38A, L36A, L36A, IDGL, IDGL, PRD, LPIM, G42A, G42A, MATO, F43A, H41A, H41A, MBWA, EIDS, BNM, CBKS, CSK, ANKO, ANKO, ANKO, ANTO, ANTO, ANTO, IOMK, IOMK, BR231, F44A, KHC, KHC, KHC, KHC, KHC, KHC, J39A, H40A, H40A, G43A, G43A, G43A.

Table with columns: Name, Date, Time, Status, Result, and Comment. Includes entries for L37A, WIM, K38A, E45A, BZS, BZS, M36A, M36A, I41A, I41A, SLMH, LBWR, LBWR, GECC, GECC, GECC, GERES, GERES, GERES, GERES, GEA0, GMM, ZIMR, ZIMR, GRFO, GRFO, GRFO, CONA, SRE, SRE, SZH, WACR, WACR, H42A, H42A, H42A, J40A, L38A, HERR, K39A, 121A, 319A, SCIA, F45A, STNC, STNC, LSQQ, CHGG, JMB, J41A, H43A, H43A, WME, CWF, CWF, MORH, K40A, F46A, WPM, MDRV, HGN, HGN, WLF1, BEBN, L39A, MOA, MEM, YLL, JFWS, JFWS, JFWS, N37A, N37A, ARSA, FOEL, FOEL, H43A, MZR, J42A, LLW, KSUI, KSUI, KSUI, KSAU, K41A, UCC, UCC, UCC, BEHE, L40A, L40A, L40A, DSB, HLMI, HLMI, HLMI, HSGI, M39A, J43A, J43A, KOGS, K42A, O37A, SNF, DIM, BELQ, L41A.

Table with columns: Name, Date, Time, Status, Result, and Comment. Includes entries for N39A, N39A, SOKA, PGB, M40A, PERS, PERS, STU, STU, WLF, WLF, WLF, WLF, EPT, EPT, DOU, MCH1, MCH1, SRIG, O38A, Galt, STRD, P37A, KDZ, KBA, MONM, MONM, K43A, K43A, L42A, L42A, AMTX, AMTX, OBKA, VTS, VTS, VTS, VTS, VTS, GOL5, D4VS, D4VS, HGH, MSTD, MSTD, M41A, HMXN, HMXN, O39A, MYKA, IWEX, P38A, P38A, L43A, ALN, ALN, ALN, ALN, WATA, WTTA, WTTA, BFO, BFO, BFO, MOT A, LJU, LJU, OZLJ, MNXX, MNXX, TOBO, ABTA, ABTA, CADR, CADR, BLY, BLY, BOJS, GDZL, GDZL, ISP, ISP, KKB, K38A, GBR5, M43A, N42A, FETA, NVR, NVR, ECH, KLB0, DAVA, Q39A, PLE, TRI, TRI, TRI, P40A, P40A, O41A, BUKO.

Table with 7 columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like MANT Manisa, N43A Stutzman Family, HTL Hartland, etc.

Table with 7 columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like JSA Saint Aubin, FNA Florida, FNA Florida, etc.

Table with 7 columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like N50A Nevada, VILL Villia, W39A Magazine, etc.

Table with columns for station call sign, name, frequency, power, class, and other parameters. Rows list various stations from WLS to MESJ.

Table with columns: MESJ, Messajana, 90.75 341 eP, P, 07 32 57.1 -1.1, etc. Includes stations like Mesajana, Castro Verde, Vaqueiros, Marmelete, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Uglegorsk, Tymoyskoe, Yuzh-Sakhalins, Kuril'sk, Lagunnoye, etc.

Table with columns: GLVR, comp-Z, 3.0m, 0.4s, pmax, pmax, 07 24 14.0 -7.6, etc. Includes stations like Severo-Kuril's, Asahikawa, Pauzhetka, etc.

SKHL 09 07:22:41.0i.1.3, 49:09N:148:31E, h563km, 28km, mb5.6/5, msh5.777
MOS 09 07:22:43.5i.1.5, 49:10N:147:39E, h558km, mb4.9/49, Error ellipse: s-maj=11.7km s-min=6.7km az=70.0
KRSC 09 07:22:43.8i.2.5, 48:93N:147:63E, h57km, 30km, ML5.5
NEIC 09 07:22:44.7i.0.2, 49:22N:147:32E, h558km, 2km,

JOW 26.76 221 P P 07 27 40.0 -0.2

Table with columns: ID, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like Westbrock Farm, Calhoun, Livingstone, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like Diego Garcia H, Diego Garcia H, Malakani Array, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like KPRO, Kipourio, Barje, Podgorica, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like JMA, Hondo, Nagasaki, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like KZN, Kozani, Bajram Curri, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like NIED, MOS, JMA, etc.

mb1 3.7/22,mb1mx3.6/70,mbtmp3.9/22,MS2.7/5, Ms1 2.7/5,ms1mx2.4/61,Error ellipse: s-maj=15.4km s-min=10.3km az=125.0

ISC 09 08:30:19.8:0.6,42.05N:0.04:142.49E:0.03,h71km,5km, n121,s1546/146,mb4.2/31,5C-11D,Hokkaido region

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

Table with columns: KUR, comp, E, Az, Az', Phase ID, Time, Res, ISC. Lists seismic data for Kuril Islands region.

Table with columns: BRTR, TXAR, CDVI, SNA, SNA, SNA, MOS, KRSC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic data for various regions including Komandorski Islands and Oaxaca.

NEIC 09 10:16:52.0-0.3, 151.34S-173.78W, h10km, mb4.5/60, Error ellipse: s-maj=19.0km, s-min=6.5km, az=146.0

ISC 09 10:16:52.7-0.8, 153.3S-0.3-173.6W, 0.2, h10km, n99, c=116/93, mb4.5/71, MSZ.5/5, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, Res. Rows include stations like AF1 Afiamalu, AF2 Afiamalu, AF3 Afiamalu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, Res. Rows include stations like PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, etc.

MEX 09 10:26:47.0-0.4, 19.25N-98.93W, h5km, 2km, MD3.7, Central Mexico

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, Res. Rows include stations like AMVW AMECAMECA, AMVW AMECAMECA, AMVW AMECAMECA, etc.

ISC/JB 09 10:38:56.0-0.1, 17.12N-102.146E, h98km, mb4.9/246, Error ellipse: s-maj=3.9km, s-min=2.9km

az=13.2, Bull 09 10:38:59.2, 17.10N:146.10E, h126km, mb4.6/27, MOS 09 10:39:00.0-0.1, 17.15N:145.98E, h131km, mb4.9/34, Error ellipse: s-maj=10.2km, s-min=6.0km, az=83.3

GCMT 09 10:39:00.0-0.1, 17.04N:146.63E, h99km, 4km, MW4.9/69, Moment Tensor Solution, s14, c14; s69, i07; Duration: 0 Moment tensor: Scale 10^16Nm; Mr:0.15t; 13; Mw:2.49t; 14; Mo:2.65t; 14; Ml:1.32t; 07; Mo:0.82t; 15; Ms:1.05t; 08; Best double couple: Mo:3.18300x10^16 Np1:0.307, 0.00000, -0.89, 0.00000, -0.32, 0.00000; NP2: 0.2, 16, 0.00000, -0.58, 0.00000, -0.17, 0.00000; Principal axes: T: 3.1040, P1g23.0000, Azm176.0000; N: 0.1510, P1g58.0000, Azm309.0000; P: -3.2620, P1g21.0000; Azm277.0000; Azm319 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s.

NEIC 09 10:39:00.0-0.7, 17.14N:146.02E, h126km, 6km, mb5.0/207 Error ellipse: s-maj=4.1km, s-min=2.7km

az=101.0, IDC 09 10:39:00.4-1.3, 17.20N:146.05E, h127km, 11km, mb4.3/30, mb1 4.3/33, mb1mx4.2/59, mb1mp4.7/33, MS3.4/26, Ms1 3.4/26, ms1mx3.3/49, Error ellipse: s-maj=14.0km, s-min=6.7km, az=96.0

ISC 09 10:38:57.6-0.3, 17.20N:146.19E, 0.06, h98km, n535, c=192/528, mb5.0/245, 8C-5D, Mariana Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, Res. Rows include stations like GUMO Guam, GUMO Guam, GUMO Guam, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, Res. Rows include stations like TGY Tagaytay City, TGY Tagaytay City, TGY Tagaytay City, etc.

9d 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Forest, Unalaksla Valle, AFI, AKUT, CAN, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like DIV, PALK, OXZ, ILI, ILAR, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like CMB, F10A, WVOR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Cary Ranch, Eagleton, Earthquake Lak, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Preston Nutter, Wupatki, Oregon Pipe Nat, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like H39A Augusta, G40A Rib Lake, WMOK Wichita Mounta, etc.

MEX 09 10:40:30.4±0.4,27.96N×112.04W, h3km,5km,MD3.6, Gd California

SJA 09 10:59:32.9±1.1,31.745S×71.94W, h40km,999km,ML3.5, MW3.5

GUC 09 10:59:33.2±0.4,31.63S×71.45W, h28km,8km,ML3.5

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ROCH EI Roble, ROCI EI Roble, GO04 Tololo Observa, etc.

IDC 09 11:07:48.6±0.3,27.26N×142.85E, h96km,17km,mb3.0/2, mb1 3.2/3, mb1mx2.8/5.8, mbtmp3.3/3, Error ellipse: s-maj=72.7km s-min=26.6km az=79.0, Bonin Islands region

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JCJ Chichijima, JCJ 2ch, MJAR Matsushiro Arr, etc.

ISCJB 09 11:28:46.0±0.6,34.1°N,101.0°W, h11.86E,0.07, h21km, mb3.9/10, Error ellipse: s-maj=8.9km s-min=6.1km az=155.4

IDC 09 11:28:45.1±1.0,34.13°N,141.79E, h0km, mb3.8/8, mba 3.9/12, mb1mx3.7/6.4, mbtmp3.8/12, ML3.5/4, Error ellipse: s-maj=26.7km s-min=15.8km az=75.0

JMA 09 11:28:47.4±0.6,34.09°N,141.79E, h36km,4km, M3.4, NEIC 09 11:28:50.4±0.7,34.11°N,141.78E, h36km,9km, M3.4 1/3, Error ellipse: s-maj=26.9km s-min=16.8km az=74.0

ISC 09 11:28:47.0±0.8,34.15°N,141.78E, h21km, n36, 1584/43, mb4.0/10, Off east coast of Honshu

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BSO1 Boso I, BSO3 Boso 3, JOD2 Ogawa 2, etc.

Table with columns: MAT, MJB9, INU, JCJ, etc. Station Name, Az, Phase ID, Time, Res. Includes stations like Matsu-Tunnel, Inuyama, Chichijima, Asahikawa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BIPH, BUKP, DMPH, etc.

ISCJB 09 11:34:51.6, 0.5, 33.41N, 125.93E, h15km, mb4.7, ML3.5, MS3.4, 2C-10, Mindanao

JMA 09 11:34:52.3, 0.2, 33.44N, 137.87E, h360km, M2.8, IDC 09 11:34:52.3, 0.2, 33.44N, 137.86E, h353km, L2.8, mb3.1/7, mb1.3/10, mb2.9/6, mbtmp3.8/10, Error ellipse: s-maj=35.0km s-min=10.2km az=67.0

ISC 09 11:34:52.3, 0.8, 33.46N, 107.137E, h800km, n28, o087/33, mb3.2/7, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TONANKAI O.B.S., Hachioji jima 2, etc.

MEX 09 11:56:31.7, 0.7, 16.47N, 98.55W, h16km, 30km, MD3.5, Near coast of Guerrero

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

CSEM 09 12:05:07.6, 38.99N, 37.79E, h14km, ML2.6, DDA 09 12:05:07.6, 38.99N, 37.79E, h14km, ML2.6, ISC 09 12:05:05.9, 1.5, 38.89N, 0.04, 37.70E, 0.04, h11km, 13km, n15, c1540/24, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Malatyia_Hekimh, Darende-Malaty, etc.

Table with columns: ELZG, PTK, PERTK, KELT, etc. Station Name, Az, Phase ID, Time, Res. Includes stations like Elazig, Pertek, Kelkit, etc.

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

MOS 09 12:25:44.7, 1.2, 0.11S, 122.68E, h81km, mb5.3/56, Error ellipse: s-maj=8.0km s-min=4.7km az=106.7, ISCJB 09 12:25:46.0, 0.3, 0.22S, 0.02, 122.80E, 0.02, h97km, 2km, mb5.1/72, Error ellipse: s-maj=3.4km s-min=3.1km az=28.0, BUJ 09 12:25:45.4, 0.2, 0.20S, 122.80E, h87km, mb5.3/69, mb5.1/46, GCMT 09 12:25:47.3, 0.2, 0.15S, 122.80E, h77km, 1km, MW5, 1/94, Moment Tensor Solution, s65, c89, s94, c156, Duration: 0. Moment tensor: Scale 10^10Nm; Mr, 4, 11, 14; Mw, -0.39, 11; Mw, -3.72, 13; Ms, 2.07, 8; Mw, -2.60, 10; Mw, -0.70, 11; Best double couple: Ms5.19300x10^16 NP1, 53.00000, 53.00000, 125.00000. NP2: 184.00000, 649.00000, 53.00000. Principal axes: T 5.2260, Plg63.0000, Azm25.0000; N -0.0670, Plg27.0000, Azm211.0000; P -5.1600, Plg3.0000, Azm120.0000; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s.

DJA 09 12:25:47.0, 0.2, 0.19S, 122.95E, h59km, 3km, M5.2/40, mb5.3/40, mb5.6/28, ML v5.5/21, Mw(m)5.1/28, NEIC 09 12:25:47.3, 0.4, 0.17S, 122.79E, h94km, 3km, mb5.3/85, Error ellipse: s-maj=4.0km s-min=2.9km az=63.0, IDC 09 12:25:47.5, 0.1, 0.14S, 122.69E, h98km, 9km, mb4.7/33, mb1.4/7/38, mb1mx4.6/53, mbtmp5.0/38, MS3.7/41, Ms1.3/741, ms1mx3.6/58, Error ellipse: s-maj=11.6km s-min=7.9km az=73.0

ISC 09 12:25:46.0, 0.3, 0.21S, 122.73E, 0.04, h90km, 2km, n90km, pp-P, n677, o1914/739, mb5.2/171, 22C-12D, Minahasa Peninsula, Sulawesi

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

Table with columns: KLI, KASI, MYKOM, etc. Station Name, Az, Phase ID, Time, Res. Includes stations like Kotabumi, Kota Tinggi, Kota Agung, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like GYA, WHN, KMI, ENH, NWA, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like HHC, Hu-ho-hao-te, BTO, LSA, etc.

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

9d 12h

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Table with columns for station callsign, frequency, time, and other details. Includes stations like ZALV, ZALV, ZAA1, ZAA1, BKZ, etc.

Table with columns for station callsign, frequency, time, and other details. Includes stations like KLMR, KLMR, KLMR, KLMR, KLMR, etc.

Table with columns for station callsign, frequency, time, and other details. Includes stations like BELC, BELC, BELC, BELC, BELC, etc.

Table with columns: ID, Name, Az, El, P, PKP, Az, El, P, PKP. Rows include stations like E42A Champion, J38A Wedel Dairy, I39A Houston, etc.

Table with columns: ID, Name, Az, El, P, PKP, Az, El, P, PKP. Rows include stations like T46A Princeton, M54A Oil Creek, S48A Weideman Farm, etc.

Table with columns: Code, Station Name, Az, El, P, PKP, Phase ID, Time, Res. Rows include stations like ITAN comp=E,1.0m,0.1s, JORH comp=N,1.0m,0.1s, etc.

ISCJB 09 12:34:19.0,0.3,59.70N,0.003,153.70W,0.07, h151km,4km,mb3.72, Error ellipse: s-maj=6.4km s-min=3.7km az=32.3

NEIC 09 12:34:21.0,0.0,59.67N,153.62W,h146km,71km,3.8/1, ML3.0(AEIC), After AEIC.

IDC 09 12:34:22.8,4.5,59.95N,153.70W,h150km,71km,mb3.4/2, m-bj=3.2,mb1mx2,8/67,mbtmp3.5/4, Error ellipse: s-maj=72.1km s-min=35.4km az=18.0

ISC 09 12:34:20.1,0.9,59.71N,153.72W,0.005, h146km,7km,n73,0871/85,Southern Alaska

Table with columns: Code, Station Name, Az, El, P, PKP, Phase ID, Time, Res. Rows include stations like AUNW Augustine NWes, AUV Augustine West, etc.

ISCJB 09 12:49:44.0,2.0,42.60N,0.02,22.96E,0.03,h5km,3km, Error ellipse: s-maj=3.9km s-min=2.6km az=153.2

CSEM 09 12:49:44.5,0.1,42.59N,22.97E,h2km,ML2.6, Error ellipse: s-maj=2.7km s-min=1.9km az=58.0

BE0 09 12:49:44.8,0.3,42.57N,23.00E,h8km,2km,ML2.7/9 THE 09 12:49:46.1,42.50N,23.06E,h1km,2km,ML2.6/3, Error ellipse: s-maj=3.7km s-min=1.0km az=305.0

SOF 09 12:49:46.9,42.47N,23.18E,h2km,MD2.6 ISC 09 12:49:44.5,0.8,42.57N,0.02,23.05E,0.02,h14km,5km, n65,c1917/94,5C-6D,Bulgaria

Table with columns: Code, Station Name, Az, El, P, PKP, Phase ID, Time, Res. Rows include stations like VTS Vitoshka, VTS Vitoshka, etc.

Table with columns: PGB, Panayurishte, 0.83 91, i P, Pn, 12 50 01.3 -0.5, TLL, comp=E, 6um, 1.0s, Hualae0, 3.51 235, ePn, Pn, 12 57 30.1 -3.0, JCT, Junction City, 69.80 331, P, P, 13 07 32.3 +0.5

Table with columns: G005, Hualae0, 3.51 235, ePn, Pn, 12 57 30.1 -3.0, JCT, Junction City, 69.80 331, P, P, 13 07 32.3 +0.5

Table with columns: JCT, Junction City, 69.80 331, P, P, 13 07 32.3 +0.5

NEIC 09 12:56:37.0, 0.3, 33.06S: 68.26W, h142km, 2km, mb4.6/106, MD4.7(SJA), Error ellipse: s-maj=4.6km s-min=3.3km az=73.0

NEIC Felt (III) at Mendoza and San Juan. ISCJ9 09 12:56:37.0, 0.2, 33.02S: 0.02:68.38W: 0.03, h162km, 1km, mb4.5/115, Error ellipse: s-maj=4.1km s-min=3.7km az=24.2

SJA 09 12:56:37.6, 0.3, 33.07S: 68.44W, h165km, 4km, ML4.7, MV4.6, Fault plane solution: NP1=290.10000, 55.9, 90000, -1, 40.00000

IDC 09 12:56:38.7, 0.4, 33.06S: 68.37W, h159km, 3km, mb4.3/17, mb1.4/20, mb1mx4.3/36, mbtmp4.8/20, Error ellipse: s-maj=9.8km s-min=9.8km az=88.0

GUC 09 12:56:38.6, 0.4, 32.99S: 68.48W, h160km, 7km, ML5.1, ISC 09 12:56:38.9, 0.3, 33.04S: 0.03:68.44W: 0.03, h161km, 2km, h161km: p-P, N488, e1s17/576, mb4.5/116, 18C-11D,

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

Table with columns: LRLAL, Lakiew Retre, 68.01 343, P, P, 13 07 20.6 0.0

Table with columns: V39A, Pettigrew, 72.47 339, P, P, 13 07 48.0 +0.3

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like M3TX Muleshoe, M36A Felix, Anita, W18A Petrified Forest, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like K41A Shullsburg, M36A Felix, Anita, W18A Petrified Forest, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like O20A White River Ci, MTPU Mount Pierson, SZCU Shurtz Canyon, etc.

9d 13h

Table of 9d 13h stations with columns for Station Name, Code, Station Name, Az, Phase ID, Time Res, and Res. Includes stations like HDL, DGMT, LSZ, MCMT, MCMT, BOZ, etc.

NNC 09 13:04:37.9; 0.9, 37.09N; 71.22E, h169km, 13km, mb3.8, mpv3.7, Error ellipse: s-maj=9.8km s-min=7.5km az=64.0

Table of 9d 13h stations (continued) with columns for Code, Station Name, Az, Phase ID, Time Res, and Res. Includes stations like SFK, MNAS, KK31, AAK, etc.

2012 JUL

Table of stations for 2012 JUL with columns for Code, Station Name, Az, Phase ID, Time Res, and Res. Includes stations like AB31, BVAR, AKTO, etc.

Table of stations for RSNC 09 13:08:16.3; 0.8, 6.77N; 73.16W, h144km, 4km, ML2.9. Includes stations like BARE, BARC, BARC, etc.

ISJCJB 09 13:28:13.6; 0.6, 5.5; 95S; 0.09; 28.0W; 0.2, h121km, mb4.3/9, Error ellipse: s-maj=16.3km s-min=9.0km az=140.6

IDC 09 13:28:14.9; 2.1, 5.5; 90S; 27.94W, h115km, 17km, mb4.1/8, mb1.4/2/10, mb1mx3.9/32, mbtmp4.7/10, Error ellipse: s-maj=20.4km s-min=15.5km az=70.0

NEIC 09 13:28:16.0; 1.1, 5.5; 96S; 28.05W, h128km, 6km, mb4.1/1, Error ellipse: s-maj=3.5km s-min=3.5km az=53.0

ISC 09 13:28:15.3; 0.6, 5.5; 93S; 0.11; 28.0W; 0.1, h121km, n34, az=078/30, mb4.2/8, South Sandwich Islands region

Table of stations for ISC with columns for Code, Station Name, Az, Phase ID, Time Res, and Res. Includes stations like HOPE, WNA1, SNA, etc.

Table of stations for MORC with columns for Code, Station Name, Az, Phase ID, Time Res, and Res. Includes stations like LANS, AKTO, ZALV, etc.

ISJCJB 09 13:36:31.6; 0.2, 2.3; 79N; 0.01; 121.76E; 0.02, h44km, 5km, Error ellipse: s-maj=2.0km s-min=2.0km az=42.7

JMA 09 13:36:31.1, 23.78N; 121.71E, h45km, 1km, M2.5

TAP 09 13:36:31.4, 23.80N; 121.73E, h46km, ML3.0, 3.5

ISC 09 13:36:32.1; 1.2, 23.79N; 0.02; 121.76E; 0.02, h41km, 6km, n76, az=82/136, Taiwan

Table of stations for ISC with columns for Code, Station Name, Az, Phase ID, Time Res, and Res. Includes stations like ENLB, ENLB, HWA, etc.

Table with multiple columns containing flight information: airline codes (e.g., KHL, AMGA, ANA), destinations (e.g., Karahalli, Amorog Island), flight numbers, times, and status indicators (e.g., Pn, S, AML, AXL).

Main data table containing 40 columns of information including codes, names, dates, times, and various status indicators (e.g., Pn, eP, eS, M, AML, S). The table lists numerous entries, each with a unique identifier and associated data points.

Table with columns: Call sign, Name, Frequency, Mode, Power, etc. Rows include stations like WDD, CJR, CJR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, etc. Rows include stations like AKKB, NIE, NIE, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, etc. Rows include stations like VLC, ABTA, ABTA, etc.

9nd 13h

Table with columns: Station, Name, Frequency, Power, P, SNR, and various numerical values. Includes stations like NB201, NB2, NB21, NB22, NB23, etc.

Table with columns: Station, Name, Frequency, Power, P, SNR, and various numerical values. Includes stations like PBEJ, PBEJ, PBEJ, PBEJ, PBEJ, etc.

Table with columns: Station, Name, Frequency, Power, P, SNR, and various numerical values. Includes stations like VAL, VAL, VAL, VAL, VAL, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AGMN, H40A, C34A, M46A, M46A, D35A, PMR, PMR, PMR, E36A, KLU, I41A, I41A, MTP, MTP, SUA, J42A, K43A, K43A, CBYP, F37A, H3UM, C33A, G38A, L44A, H39A, DIV, GRGR, M45A, BMRM, RC01, E35A, S52A, SJG, SJG, SJG, N46A, I40A, F36A, F36A, TGL, J41A, O47A, K42A, SPMM, SPMM, L43A, T52A, H38A, AOPR, AOPR, S51A, S51A, E34A, M44A, M44A, OBIP, OBIP, J40A, N45A, I39A, I39A, JFWS, JFWS, JFWS, JFWS, RAGM, U53A, SFIN, SFIN, KMSC, KMSC, F35A, AGP, G36A, P47A, H37A, MPR, SKAG, K41A, I38A, CRPR.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CRPR, N44A, L42A, L42A, M43A, F34A, J39A, O45A, DLBC, DLBC, DLBC, TZTN, TZTN, BLO, BLO, JSC, JSC, PAULI, NHSC, NHSC, NHSC, P46A, V53A, V53A, K40A, Q47A, R48A, H36A, L41A, M42A, BRLK, N43A, I37A, I37A, MDND, MDND, J38A, O44A, T50A, P45A, P45A, V52A, V52A, K39A, BESE, WCI, WCI, G34A, CNPM, H35A, Q46A, R47A, L40A, L40A, HDIL, HDIL, HDIL, BG3, I36A, W53A, CISI, HODGE, TKL, TKL, M41A, F32A, S48A, GRTK, T49A, T49A, O43A, N42A, J37A, G33A, V51A, V51A, L39A, K38A, K38A, P44A.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Q45A, X53A, JHJ, W52A, W52A, Y54A, OLIL, M40A, R46A, J36A, J36A, O42A, CPCT, T48A, K37A, 257A, U49A, N41A, N41A, P43A, G32A, G32A, L38A, X52A, USIN, V50A, M39A, Q44A, R45A, N40A, S46A, Z54A, SCIA, SCIA, DGMT, DGMT, DGMT, Y53A, O41A, U48A, T47A, T47A, K36A, 155A, L37A, P42A, P42A, 256A, H32A, V49A, W50A, W50A, Q43A, GOGA, GOGA, GOGA, GOGA, 357A, Y52A, Y52A, X51A, X51A, M38A, R44A, ECSD, ECSD, ECSD, N39A, N39A, Z53A, P41A, S45A, T46A, KDAK, KDAK, KDAK, WRAK, WRAK, 154A, 154A, U47A.

Table with columns: Call Sign, Name, Azimuth, Elevation, SNR, Power, and Gain. Includes entries like SWET Sewanee, 255A Hazlehurst, 255A Hazlehurst, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, SNR, Power, and Gain. Includes entries like PLAL Pickwick Lake, 859A Kempfer Cattle, 555A McAlpin, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, SNR, Power, and Gain. Includes entries like V41A Mountainview, BBB Bella Bella, 349A Reta, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like Kaye Shedlock, Hanford, Neilton Lookou, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like Mina Array Bea, Cornudas Mount, Topgap Spring, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like WATA, Walderalm, MOA, etc.

SOME 09 14:01:03.9, 42.92'N-78.32'E, h15km
KRNET 09 14:01:03.7, 1.4, 42.91'N-78.34'E, h20km, mb3.6
KINET 09 14:01:06.0, 0.4, 42.80'N-78.12'E, h0km, ml3.1, Error
ellipse: s-maj=8.2km s-min=3.0km az=3.0

ISC 09 14:01:03.3, 1.0, 42.89'N-0.03-78.34'E: 0.02, h11km, gkm, n40, c04277, 21C-10D, Lake Issyk-Kul region

IDC 09 13:56:02.5-6.7, 14.485x167.19E, h165km, 51km, mb3.4/4, mb1 3.6/5, mb1m3 3/59, mbtmp3 2/5, Error ellipse: s-maj=5.6km s-min=31.2km az=22.0, Vanuatu Islands

CSEM 09 13:56:17.1, 47.54'N-12.81'E, h0km, ML1.6/4, Suspected Mining explosion.

VIE 09 13:56:17.1, 0.5, 47.54'N-12.81'E, h0km, mb1.2/1, ml1.6/4, Error ellipse: s-maj=7.6km s-min=2.6km az=158.0 10 km ESE of Lofer Suspected Mining explosion., Austria

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like LPL La Plagne, DIVS Divbarre, ORIF Oris-en-Rattie, etc.

MEX 09 15:24:32.2±0.3, 16.02N:98.51W, h16km, 49km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PNIG Pinotepa, HAU Tiapa, VHF Vista Hermosa, etc.

ISC/JB 09 15:26:7.0±0.2, 21.28S:0.10:178.6W, 0.1, h500km, mb3/8, Error ellipse: s-maj=17.8km s-min=12.9km az=14.4

IDC 09 15:26:11.8±2.1, 21.10S:178.52W, h522km, 29km, mb3.4/8, mb1 3.4/11, mb1mx3.1/46, mb1mp4.3/11, Error ellipse: s-maj=23.5km s-min=20.2km az=153.0

ISC 09 15:26:10.4±0.9, 21.05S:178.5W, 0.1, h500km, time, az±12.16, mb3/9, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like AFI Afiamalu, DZM Mont Dzumac, URZ Urewera, etc.

JMA 09 15:36:48.2±0.4, 45.62N:151.58E, h30km, M3.9, SKHL 09 15:36:47.1±0.4, 45.18N:151.99E, h54km, 5km, mb4.3/3, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like JAK Ashoribi-Toko, JTRK Ashoribi-Toko, JAR Ashoribi-Toko, etc.

ISC/JB 09 15:40:20.7±0.3, 0.88N:0.07:29.11W, h16km, mb4.5/40, MS3.9/40, Error ellipse: s-maj=10.9km s-min=6.9km az=156.7

BUI 09 15:40:20.0±0.8, 0.80N:29.10W, h10km, mBS.3/2, MS5.5/1, MS7.5/3.1

IDC 09 15:40:21.0±0.5, 0.83N:29.13W, h0km, mb4.3/22, mb1 4.5/22, mb1mx4.2/55, mb1mp4.3/22, MS3.6/39, MS1 3.8/39, ms1mx3.7/59, Error ellipse: s-maj=17.6km s-min=11.1km az=149.0

NEIC 09 15:40:21.2±0.2, 0.82N:29.13W, h10km, mb4.8/20, Error ellipse: s-maj=9.0km s-min=5.6km az=147.0

ISC 09 15:40:22.2±0.4, 0.84N:0.09:29.15W, 0.08, h16km, n103, az±133/72, mb4.6/40, MS3.9/40, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like RCBR Riachuelo, SACV Santiago Islan, H10N3 ASCENSION HYDR16.96 121 T, etc.

ISC/JB 09 15:45:15.1±1.5, 9.30N:162.82W, h280, slow=32, SNF=22

H05S1 Guadeloupe/Mar 34.11 295 T SNF=22

H05N1 Guadeloupe/Mar 35.01 298 T SNF=12

SIV San Ignacio 35.68 241 P 6.0m, 0.9s, baz=87, slow=10, SNR=23

PSMA Santa Maria 36.19 6 E T 12.25 07.1

PSMN Pico do Norte, 36.19 6 E T 12.25 07.5

CPUP Villa Florida 38.32 233 P 6.8nm, 1.2s, baz=25, slow=9.8, SNR=4.0

CPUP comp=Z, 790nm, 19.1s, baz=48, slow=36

MDT Midelt 39.31 34 P 4.7nm, 0.8s, baz=228, slow=8.8, SNR=7.8

MDT comp=Z, 238nm, 19.9s, baz=176, slow=34

TAM Tamsnet 40.14 55 eP 6.0nm, 1.0s

H09N1 TRISTAN DA CUN 40.82 159 T SNR=11

H09W1 TRISTAN DA CUN 40.84 159 T SNR=9.0

LPZA La Paz 42.06 244 P 9.1nm, 0.8s, baz=41, slow=4.9, SNR=28

LPZA comp=Z, 279nm, 18.3s, baz=90, slow=36

LPZA La Paz 42.06 244 eP 13nm, 0.9s

ESDC Sonseca Array 44.96 28 P 2.7nm, 0.7s, baz=226, slow=9.4, SNR=21

ES19 SONSECA Array 45.01 28 eP 2.7nm, 0.7s, baz=226, slow=9.4, SNR=21

ROSC El Rosal 45.28 276 P 11nm, 0.5s, baz=217, slow=20, SNR=4.0

ROSC comp=Z, 115nm, 20.1s, baz=127, slow=12

ROSC El Rosal 45.28 276 eP 9.7nm, 0.7s

GO02 Mina Guanaco 46.88 234 eP 38m, 1.4s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BRTR Keskin Array B, BRTR Keskin Array S, BR131 Keskin Array S, etc.

AKASG Mat Array Be 68.79 47 eP comp=Z, 4.3nm, 0.7s, baz=244, slow=6.2, SNR=8.1

D36A Goodland 71.97 320 eP comp=Z, 9.7nm, 0.9s

VNA1 Neumayer-Stat 72.68 173 P VNA1 Neumayer-Stat 72.68 173 PKIKP PKIKP VNA3 Neumayer Olymp 73.07 174 P FINES FINES Array B 73.30 24 P

FINES comp=Z, 2.1nm, 0.9s, baz=230, slow=4.7, SNR=4.5

FINES comp=Z, 94nm, 20.6s, baz=272, slow=33

SNA4 Sanae 74.35 172 P SNA4 Sanae 74.35 172 P SNA4 comp=Z, 2.2nm, 0.8s, baz=232, slow=5.5, SNR=8.6

SNA4 Sanae 74.35 172 eP comp=Z, 5.8nm, 1.1s

ULM Lac du Bonnet 74.65 322 LR comp=Z, 84nm, 21.8s, baz=314, slow=31

RAYN Ar Rayn 75.60 66 P comp=Z, 3.3nm, 0.9s

TXAR Lajitas Array 76.11 300 P comp=Z, 1.3nm, 0.9s, baz=122, slow=7.6, SNR=10

TXAR comp=Z, 48nm, 21.8s, baz=0, slow=34

TX31 Lajitas Ar. Si 76.11 300 eP KVAR Kislovodsk Arr 76.41 45 LR KBZ Khabaz 76.50 47 LR

GNI Garni 77.17 49 LR comp=Z, 59nm, 21.2s, baz=238, slow=37

SDCO Great Sand Dun 78.70 308 eP comp=Z, 60nm, 20.7s, baz=254, slow=37

ANMO Albuquerque 79.12 305 LR comp=Z, 126nm, 20.7s, baz=93, slow=32

RPN Rapa Nui 81.64 243 LR comp=Z, 50nm, 19.7s, baz=93, slow=33

PDAR Piedra Alta 82.39 313 P comp=Z, 0.6nm, 0.7s, baz=76, slow=7.8, SNR=4.6

PDAR comp=Z, 23nm, 19.4s, baz=144, slow=34

MTPU Mount Pierce 83.99 308 eP comp=Z, 3.8nm, 1.2s

YKA Yellowknife Arr 87.16 332 P comp=Z, 0.4nm, 0.9s, baz=96, slow=7.5, SNR=3.0

YKA comp=Z, 6.2nm, 22.0s, baz=174, slow=33

AKTO Aktyubinsk 87.55 40 LR comp=Z, 2.1nm, 18.8s, baz=289, slow=38

WBSM Bird Springs 88.70 305 eP NVAR Mina Array Be 88.82 308 P

NVAR comp=Z, 0.6nm, 0.7s, baz=112, slow=5.5, SNR=4.8

YBH Yreka Blue Hor 92.11 312 LR comp=Z, 58nm, 19.6s, baz=241, slow=32

BVAR Borovoye Array 95.08 37 LR comp=Z, 38nm, 21.9s, baz=332, slow=35

AAK Ala-Archa 99.45 47 LR comp=Z, 28nm, 18.2s, baz=316, slow=38

KSH Kashi 101.10 50 P KSH Kashi 101.10 50 PP LZH Lanzhou 122.94 45 ePKP LKH Lanzhou 122.94 45 ePKP

LZH comp=Z, 480nm, 15.7s

LZH comp=Z, 720nm, 19.5s

HHC Hu-ho-hao-te 125.28 36 ePKP CD2 Chengdu 125.28 36 PKP

CMAR Chiang Mai Arr 125.52 67 PKP comp=Z, 1.4nm, 0.9s, baz=295, slow=3.3, SNR=8.4

GYA Guiyang 129.52 54 ePKP GYA Guiyang 129.52 54 PKP GYA Guiyang 129.52 54 PKP

NJ2 Nanjing 135.43 40 ePKP ASAR Alice Springs 151.98 145 PKPbc AS31 Alice Springs 151.98 145 PKPbc AS01 Alice Springs 152.01 145 PKPbc WRA Warramunga Arr 155.16 141 PKPab

NNC 09 15:45:15.1±1.5, 9.30N:162.82W, h280, mb3.6, mpv3.1, 4C-1D, Error ellipse: s-maj=53.7km s-min=43.0km az=31.0, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, MNAS Manas, MNAS Manas, etc.

CASC 09 15:59:59.1±1.3, 103.09N:87.62W, h177km, 7km, MD3.6, ML3.4, Honduras

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CNCH Conchagua, LCND La Ca-ada, CNCG Cerro Negro, etc.

MAN 09 16:08:16.6, 15.72N:120.21E, h0km, mb4.6, ML3.4, MS3.3, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SCZP Santa Cruz, SCZP Santa Cruz, BOLP Bolinao, etc.

MAN 09 16:14:01.6, 11.21N:125.56E, h25km, mb4.7, ML3.5, MS3.4, 1C-2D, Samar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BESP Borongan, PLP Palo, etc.

PLP	Ormoc	0.94 261	iS	Sn	16 14 23.5 +0.8
OCLP	Maasin	1.27 213	eS	Pb	16 14 19.9 +0.6
MSLP	Surigao	1.42 183j	eS	Pb	16 14 23.4 +0.3
SCPH	Catarmán	1.56 236	eS	Pn	16 14 41.4 +0.6
CNP	Virac	2.74 330	eS	Pn	16 14 27.3 -0.5
PVCP	Roxas	2.97 278j	eP	Pn	16 14 48.8 -0.4
RCP	Jordan	2.78 259	eS	Pn	16 14 44.8 +0.7
GUIM					16 15 16.2 -0.2
GUIM					16 14 45.0 -2.2
GUIM					16 15 15.3 -6.8

MEX 09 16:17:11.8-0.3, 16:38N-98:34W, h25km, 5km, MD3.7, Near coast of Guerrero

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
PNIG	Pinotepa	0.20 86	iP	Pb	16 17 16.4 -1.1
PNIG					16 17 20.1 -1.3
TLIG	Tlapa	1.20 349	eP	Pn	16 17 30.7 -2.4
TLIG					16 17 44.9 -3.8
VHO	Vista Hermosa	1.68 66	eS	Pn	16 17 37.5 -2.3
VHO					16 17 57.5 -3.2

ISCJB 09 16:29:40.5-1.3, 5:4S:0.1x150:5E:0.3, h114km, mb3.5/6, Error ellipse: s-maj=41.2km s-min=12.5km az=21.5

IDC 09 16:29:46.8-3.1, 5:64S:150:43E, h164km, 28km, mb3.2/6, mb1 3.5/7, mb1mx3.1/46, mbtmp3.8/7, Error ellipse: s-maj=41.8km s-min=12.2km az=116.0

ISC 09 16:29:41.5-1.3, 5:65S:0.1x150:4E:0.3, h114km, n7, JIC #177710, mb3.6/6, New Britain region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
CTA	Charters Tower	14.96 195	P	P	16 33 11.2 +1.3
WRA	Warramunga Arr	21.16 226	P	P	16 34 18.2 +0.6
WRA					16 38 04.1 -2.6
WRA					16 38 18.8 -0.4
ASAR	Alice Springs	23.99 220	P	P	16 34 47.0 +1.3
ASAR					16 38 53.1 -1.4
KRSR	Korea Array	47.68 336	P	P	16 38 07.8 +1.3
SONM	Songino Array	65.75 329	P	P	16 40 15.7 +1.4
ILAR	Eielson Array	83.79 23	P	P	16 41 55.9 -1.9
BVAR	Borovoye Array	88.45 323	P	P	16 42 19.3 -1.5

IDC 09 16:51:10.6-4.9, 30:52S-178:84W, h0km, mb3.3/2, mb1 3.6/2, mb1mx3.3/44, mbtmp3.3/2, Error ellipse: s-maj=150.4km s-min=21.1km az=140.0, Kermadec Islands

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
RAO	Raoul Island	1.49 33	Pn	Pb	16 51 39.2 0.0
RAO					16 51 58.4 -0.2
ASAR	Alice Springs	42.38 267	P	P	16 59 06.6 -0.4
WRA	Warramunga Arr	43.36 273	P	P	16 59 14.8 -0.3
FINES	FINES Array B	145.00 339	PKPbc	PKPbc	17 10 48.0 -0.4

NIED 09 16:56:00, 38:50N-141:80E, h56km, Mw3.6 Best double couple: M2:97000x1014 N1:3x251,00000; 833,00000; 1,129,00000. NP2:3x27,00000; 865,00000; 1,67,00000.

ISCJB 09 16:56:18.2-0.8, 38:52N:0.04:141:79E:0.1, h0.3km, 5km, mb3.7/6, Error ellipse: s-maj=12.9km s-min=5.7km az=17.7

IDC 09 16:56:19.4-2.4, 38:56N:141:86E, h58km, 21km, mb3.3/6, mb1 3.4/1, mb1mx3.2/68, mbtmp3.6/11, ML3.3/4, Error ellipse: s-maj=30.0km s-min=16.1km az=89.0

JMA 09 16:56:20.0-0.1, 38:54N:141:72E, h54km, 1km, M3.7 JMA Fail 1/1

ISC 09 16:56:18.9-1.3, 38:54N:0.05:141:9E:0.1, h48km, 10km, n29, <201/34, mb3.6/6, Near east coast of eastern Honshu

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
JIO	Ouri	0.40 258	P	Pn	16 56 29.5 +0.6
JIO					16 56 32.0 +1.2
OFUJ	Ofunato	0.56 346	S	Pn	16 56 40.2 +0.8
JMK	Ichinoseki	0.64 310	P	Pn	16 56 32.5 +0.6
JMK					16 56 41.2 0.0
JOU	Okura	0.94 260	P	Pn	16 56 37.7 -0.2
JOU					16 56 47.5 -0.8
JOM	Ohasama	1.03 335	P	Pn	16 56 37.8 +0.8
JOM					16 56 50.8 +0.4
JMM	Marumori	1.07 231	P	Pn	16 56 37.1 -0.4
JMM					16 56 50.0 -1.2
JYK	Kaneyama	1.23 289	P	Pn	16 56 39.7 0.0
JRG	Tokuyama	1.20 214	P	Pn	16 56 40.7 +0.3
JFK	Kawauchi	1.00 294	P	Pn	16 56 58.4 -1.0
JYS	Shirataka	1.44 258	P	Pn	16 56 42.6 +0.1
JYS					16 56 59.9 -0.3
JFT	Otama	1.57 230	P	Pn	16 56 44.8 +0.5
MJAR	Matsushiro Arr	3.51 237	P	Pn	16 57 12.8 +1.8
MJAR					16 57 59.2 +8.0
MAT	Matsushiro	3.51 237	P	Pn	16 57 12.7 +1.7
ASAJ	Asahikawa	5.60 6	P	Pn	16 57 40.4 +0.8
ASAJ					16 58 40.3 -2.4
JHJ					16 57 40.5 +0.1
JHJ					16 58 40.6 -3.5
USRK	Ussuriysk Arr.	9.32 311	P	Pn	16 58 30.6 +0.1
KRSR	Korea Array	11.04 269	P	Pn	16 58 53.7 -0.4
SEY	Seymchan	25.25 11	P	P	17 01 39.3 -0.8
H1N2	WAKE ISLAND Hy	28.66 124	T	T	17 32 27.5
H1N1	WAKE ISLAND Hy	28.67 124	T	T	17 32 28.2
H1N3	WAKE ISLAND Hy	28.68 124	T	T	17 32 28.9
H1S1	WAKE ISLAND Hy	29.42 126	T	T	17 33 26.1
H1S3	WAKE ISLAND Hy	29.42 126	T	T	17 33 26.2
H1S2	WAKE ISLAND Hy	29.44 126	T	T	17 33 27.3
MKAN	Makanchi Array	43.63 301	P	P	17 04 18.0 -0.5
KURBB	Kurchatov Arra	45.36 307	P	P	17 04 31.6 -0.7
BVAR	Borovoye Array	49.83 317	P	P	17 05 06.4 -0.4
WRA	Warramunga Arr	58.59 188	P	P	17 06 10.4 -0.5
ASAR	Alice Springs	62.32 188	P	P	17 06 35.9 -0.3

IDC 09 17:07:45.4-2.0, 10:75S-123:53E, h0km, mb3.4/1, mb1 3.2/3, mb1mx3.1/50, mbtmp3.1/3, ML2.5/2, Error ellipse: s-maj=44.0km s-min=13.2km az=100.0, Timor

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
BATI	Baumata	0.56 14	Pg	Pg	17 07 56.3 +0.3
BATI					17 08 03.6
WRA	Warramunga Arr	13.86 133	Pn	Pn	17 11 02.2 -1.0
WRA					17 13 29.0 -9.0
ASAR	Alice Springs	16.21 144	Pn	Pn	17 11 35.5 +0.8
ASAR					17 14 27.4 -8.0
MKAN	Makanchi Array	68.09 331	P	P	17 18 47.0 -0.1

JMA 09 17:13:07.2-0.2, 24:78N:122:69E, h131km, 2km, M1.8 TAP 09 17:13:07.9, 24:84N:122:67E, h126km, 1km, ML3.0, D ISCJB 09 17:13:08:1, 0.6, 24:79N:0.03:122:70E:0.02, h118km, 4km, Error ellipse: s-maj=5.1km s-min=2.9km az=171.9

ISC 09 17:13:07.1-1.7, 24:85N:0.06:122:69E:0.03, h128km, 10km, n63, 0:94/16, Taiwan region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
JYNG	Yonagunijimaku	0.46 150	P	Pn	17 13 25.1 +0.3
YOJ	Yonaguni jima	0.48 143	eP	Pn	17 13 25.8 -0.1
YOJ					17 13 40.3 +0.3
EOS1	EOS1	0.59 240	eP	Pn	17 13 27.0 +0.5
EOS1					17 13 42.1 +0.9
TIPB	Shuangxi	0.80 279	eP	Pn	17 13 28.4 +0.2
TIPB					17 13 42.7 -1.3
TWC	Suao	0.80 253	eP	Pn	17 13 28.9 +0.8
TWC					17 13 43.5 -0.5
NWF	Wu-fen Shan	0.86 285	eP	Pn	17 13 29.0 +0.3
NWF					17 13 42.5 -2.5
WFSB	Wu-fen Shan	0.86 285	eP	Pn	17 13 28.9 +0.3
WFSB					17 13 42.4 -2.4
ILA	Ilan	0.86 265	eS	Pn	17 13 43.8 -1.0
ENH	Nanau	0.90 244	eS	Pn	17 13 45.6 +0.2
TWA	Wei Neicheng	0.94 263	eS	Pn	17 13 29.8 +0.5
TWE					17 13 45.6 -0.5
NANB	Nanau	0.95 244	eP	Pn	17 13 30.0 +0.5
NANB					17 13 46.2 -0.1
ENA	Nanau	0.96 245	eP	Pn	17 13 29.9 +0.4
ENA					17 13 46.7 +0.2
SLBB	Yuanshan	0.97 265	eP	Pn	17 13 30.0 +0.4
SLBB					17 13 46.1 -0.5
TWA	Mucha	1.02 278	eS	Pn	17 13 47.0 -0.5
YMO7	YMO7	1.03 289	eS	Pn	17 13 30.2 0.0
YMO7					17 13 47.5 -0.2
ENTT	Nioudou	1.04 259	eS	Pn	17 13 48.8 +0.9
IRIF	Iriomote-Funau	1.07 118	P	Pn	17 13 30.6 0.0
IRIF					17 13 48.0 -0.3
YMO10	YMO10	1.07 287	eP	Pn	17 13 31.6 +1.0
YMO10					17 13 48.4 -0.1
YMO4	YMO4	1.09 286	eP	Pn	17 13 31.1 +0.3
YMO4					17 13 48.6 -0.2
NACB	Ninganchiao	1.20 236	eP	Pn	17 13 32.1 +0.2
NACB					17 13 50.3 -0.4
YHNB	Yeheng	1.21 262	eP	Pn	17 13 32.4 +0.3
YHNB					17 13 51.2 +0.3
NSK	Sanguang	1.23 262	eP	Pn	17 13 32.6 +0.4
NSK					17 13 50.9 -0.4
TWD	Chiawan	1.26 233	eP	Pn	17 13 33.3 +0.8
TWD					17 13 51.1 -0.5
NNSB	Datong	1.26 251	eP	Pn	17 13 33.4 +0.7
NNSB					17 13 50.6 -1.4
NNSH	Datong	1.26 251	eP	Pn	17 13 33.4 +0.8
NNSH					17 13 51.0 -1.0
NNS	Nan Shan	1.27 252	eP	Pn	17 13 33.4 +0.7
NNS					17 13 51.6 -0.5
HNTJ	Hateruma jima	1.28 128	eS	Pn	17 13 53.0 +0.9
JKRS	Kuro-shima	1.34 117	P	Pn	17 13 34.1 +0.8
ENLB	Shoufeng	1.37 227	eS	Pn	17 13 54.6 +0.8
JJU	Ishigaki jima	1.40 110	P	Pn	17 13 34.4 +0.4
WHF	Heguan Shan	1.48 242	P	Pn	17 13 33.7 -0.8
WHF					17 13 36.1 +0.8
WHF					17 13 56.7 0.0
JISG	Ishigakijimahi	1.49 100	P	Pn	17 13 35.3 +0.3
JISG					17 13 55.5 -0.7
TWT	Tachien	1.50 247	eP	Pn	17 13 35.9 +0.5
TWT					17 13 57.1 +0.4
TDCB	Techi	1.52 247	eP	Pn	17 13 36.6 +1.2
TDCB					17 13 56.1 -0.9
LIQB	Emei	1.54 263	eP	Pn	17 13 35.9 +0.3
LIQB					17 13 57.1 -1.1
ESL	Shilin	1.54 228	eP	Pn	17 13 36.7 +0.1
ESL					17 13 55.8 -1.5
NSTT	Nanjiang	1.55 262	eP	Pn	17 13 35.9 +0.2
NSTT					17 13 56.9 -0.6
CHGB	Renai	1.59 241	P	Pn	17 13 37.5 +1.1
CHGB					17 13 58.6 -0.1
EGFH	Guangto	1.65 225	eS	Pn	17 13 57.7 -1.7
HGSD	Ruisui	1.78 221	eP	Pn	17 13 38.1 -0.2
HGSD					17 14 01.7 -0.5
DPDB	Guoxing	1.80 244	eP	Pn	17 13 40.4 +1.7
DPDB					17 14 02.2 -0.5

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res
EHY	Hungye	1.83 22			

9d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists various stations like TAHT, KRTO, KRKD, etc.

ISCJB 09 18:45:25.3±0.3, 81.24N±0.05; 3.1W±0.3, h10km, mb4.1/34, MS3.7/30, Error ellipse: s-maj=8.1km s-min=4.9km

IDC 09 18:45:25.7±0.4, 81.35N±3.20W, h0km, mb3.9/27, mb1.4/129, mb1mx3.9/80, mbtmp4.0/29, ML4.4/3, MS3.7/34, Ms1.3/34, ms1mx3.5/75, Error ellipse: s-maj=15.2km s-min=9.2km az=29.0

CSEM 09 18:45:25.3±0.2, 81.32N±2.95W, h2km, mb4.6/6, Error ellipse: s-maj=9.8km s-min=5.1km az=33.0

NEIC 09 18:45:27.1±0.3, 81.33N±2.87W, h10km, mb4.6/8, Error ellipse: s-maj=10.6km s-min=5.8km az=32.0

BER 09 18:45:28.2±2.1, 81.61N±1.02W, h15km, mb8km, ML3.4, ML4.2(NA0)

ISC 09 18:45:27.0±0.5, 81.27N±0.07; 2.58W±0.06, h10km, n84, r183/80, mb4.0/34, MS3.6/30, North of Svalbard

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like KBS, SPA0, SPIT, etc.

2012 JUL

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like DAG, HSPB, HOPEN, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like TKL, NVAR, MIAR, etc.

IDC 09 18:46:04.2±7.19, 50.89N±85.54E, h0km, Error ellipse: s-maj=309.8km s-min=66.9km az=170.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like I46RU, I31KZ, I43RU, etc.

NIED 09 18:47:00.40±0.40N, 142.10E, h53km, Mw3.8 Best double couple: M0.4, 99000x1014, N1.1, 996, 00000, 321, 00000, 3, 84, 00000, NP2.2, 22, 00000, 669, 00000, 132, 00000, ISCJB 09 18:47:44.2±0.7, 40.38N±0.03; 142.11E±0.09, h0, h1km, 4km, az=4.0, Error ellipse: s-maj=11.2km s-min=5.5km

JMA 09 18:47:45.5±0.1, 40.35N±11.08E, h50km, 1km, M3.9 JMA Fell II J1

IDC 09 18:47:46.5±1.8, 40.39N±142.18E, h72km, 15km, mb3.5/10, mb1.3/615, mb1mx3.3/78, mbtmp3.8/15, MS2.2/3, Ms1.2/23, ms1mx2.1/69, Error ellipse: s-maj=26.0km s-min=11.7km az=96.0

ISC 09 18:47:44.5±1.2, 40.36N±0.04; 142.20E±0.09, h53km, 9km, n25, r168/35, mb3.8/10, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like JTH, JANG, JKZ, etc.

IDC 09 18:50:44.1±0.8, 10.24N±126.23E, h0km, mb3.6/9, mb1.3/79, mb1mx3.5/60, mbtmp3.6/9, Error ellipse: s-maj=48.6km s-min=16.2km az=69.0

MAN 09 18:50:47.2, 10.50N±126.62E, h25km, mb4.9, ML3.9, MS3.9

ISC 09 18:50:45.9±2.2, 10.40N±0.04; 126.43E±0.09, h12km, 12km, n10, r149/30, mb3.6/10, 1C-2D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like SCPH, BESP, MSPL, etc.

Table with columns: WRA, P, P, 18 59 59.4, -0.6. Includes entries for Alice Springs, ASAR, SONMG, MKAR, MKAR, ZALV, KURBB, ARCES, FINES.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for LPIG, TXAR, ANMO, NVAR, PDAR.

NIED 09 19:07:00, 45.60N, 151.60E, h38km, Mw3.9. Best double couple: M=8.70000e+10, NP1: 145.00000, 147.00000, 1.2.00000...

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for KUR, SHO, YUK.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for SHO, YUK, YUK.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for YUK, YUK, YUK.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for YUK, YUK, YUK.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for GRPR, GRPR, GRPR.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for NEMZ, GLVR, JRA, JAK, JAK, JAK.

Table with columns: JUMP, Maruseppu, 6.10 264, P, Pn, 19 08 44.7, +2.0. Includes entries for JCH, JKK2, YSS.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for ASAJ, MYR, JEM, JNBK, JNBK, JB72.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for H1N1, H1N1, H1N1, H1S1, H1S3, H1S2.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for NB2, HFS, AKASO, GERES.

NIED 09 19:25:00, 29.30N, 130.30E, h38km, Mw5.5. Best double couple: M=2.35000e+10, NP1: 188.00000, 331.00000, 1.57.00000...

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JMA, NEIC, GCMT.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JNN, JTAJ, JYAK, JYAK.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JZK, JAM, JAM, JAM.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JOW, JOW, JOW, JOW.

Table with columns: JAGN, JJJ3, Tamagabuku3, 3.83 216, P, Pn, 19 26 03.5, +0.2. Includes entries for JNU, JNU, JNU.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JNU, JNU, JNU.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for KSRS, KSRS, KSRS.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JHJ, JHJ, JHJ.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JHJ, JHJ, JHJ.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JHJ, JHJ, JHJ.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JHJ, JHJ, JHJ.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JHJ, JHJ, JHJ.

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res. Includes entries for JHJ, JHJ, JHJ.

9d 19h

Table with columns for station code, frequency, power, and other technical details. Includes stations like MDJ, BJT, BJI, GZH, GRM, TIY, TGY, ASAJ, XAN, HHC, YUK, SHO, LLP, BTO, YSS, GUMO, GYA, etc.

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Table with columns for station code, frequency, power, and other technical details. Includes stations like GYA, KUR, QIZ, HIA, BUKP, DAV, CD2, LZH, TYV, ZEA, KMI, KNL, ULN, CIT, SONMI, SONA1, GYA, etc.

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Table with columns for station code, frequency, power, and other technical details. Includes stations like GTA, SKNT, NONG, TNTI, SKR, ZAK, PBKT, MRSI, LBMI, TLY, LAMP, IRK, SIJI, SRAK, CHTO, CMAR, CM01, BOD, CHBT, PEAOB, PETK, PETK, MOY, UTHA, PET, PET, PET, PCI, UMPA, FAKI, SRDT, NLAJ, YAK, YAK, YAK, YAK, YAK, YAK, PHET, GENI, JAY, MA2, etc.

Table of station data for 9d 19h, including call signs like Nuku Hiva Isla, TAOE Nuku Hiva Isla, MVCO Mesa Verde, etc., with columns for frequency, power, and other technical details.

Table of station data for 2012 JUL, including call signs like LONY LONY, LONY MORF, PKME Peaks-Kenny Pk, etc., with columns for frequency, power, and other technical details.

Table of station data for 442, including call signs like DZM Mont Dzumac, DZM Mont Dzumac, Urewhera, etc., with columns for frequency, power, and other technical details.

ISCJB 09 19:26:12.3, 0.3, 18: 10S:0.08:178:20W:0.05, h590km, mb4, 4/33, Error ellipse: s-maj=10.9km s-min=6.0km s-az=172.6

Table with columns: TIV, comp-Z, location, frequency, and various status codes (LR, P, Pn, I, etc.). Includes entries like HYB Hyderabad, SRML Srisaialam, BTO Baotou, etc.

Table with columns: ULN, comp-Z, location, frequency, and various status codes (LR, P, Pn, I, etc.). Includes entries like ULN Ulaanbatar, MK01 Makanchi Array, MK02 Makanchi Array, etc.

Table with columns: BVAR, comp-Z, location, frequency, and various status codes (LR, P, Pn, I, etc.). Includes entries like BVAR Borovoye, BRVK Borovoye, USRK Ussuriysk Ar, etc.

GROC	comp=Z,721nm,19.3s,baz=303,slow=41	20 21 18.2 -0.6
GROC	Groznyy 44.81 307 eP	20 22 57.4
GROC	e	20 27 58.5 +3.8
GROC	eS	
GROC	S	
GROC	pmax	
GNI	comp=Z,87nm,1.3s	20 21 25.3 +1.9
GNI	Garni 45.35 302 P	20 43 18.0
GNI	comp=Z,37nm,1.1s,baz=165,slow=2.5,SNR=15	
ZEI	Tsey 46.15 306 eP	20 21 28.9 -0.8
ZEI	comp=Z,54nm,1.5s	
RAYN	Ar Rayn 46.23 279 eP	20 21 29.9 -0.5
RAYN	comp=Z,32nm,1.1s	
RAYN	Ar Rayn 46.23 279 iP	20 21 29.5 -0.9
RAYN	Ar Rayn 46.23 279 eP	20 21 29.9 -0.5
RAYN	SNR=17	
NCK	Nalchik 46.43 307i eP	20 21 33.3 +1.6
NCK	comp=Z,32nm,1.1s	
NCK	comp=Z,17nm,0.7s	
GUM0	Guam 46.86 95 LR	20 40 23.2
GUM0	comp=Z,220nm,19.9s,baz=274,slow=35	
GUM0	Khabaz 46.96 307 eP	20 21 37.3 +1.5
GUM0	comp=Z,2.7nm,0.6s,baz=93,slow=7.6,SNR=7.2	
KBZ	comp=Z,463nm,19.0s,baz=90,slow=9.9	20 43 52.0
NEY	Neytino 47.05 306i eP	20 21 37.4 +0.7
NEY	comp=Z,2.0nm,0.6s	
EATA	Kislovodsk 47.07 302 iP	20 21 40.5 +3.4
EATA	Gieskirt 47.13 307 eP	20 21 37.6 +0.4
KIV	Kislovodsk 47.13 307 P	20 21 37.6 +0.4
KIV	SNR=11	
KIV	Kislovodsk 47.13 307 iP	20 21 36.3 -1.0
KIV	SNR=6.4	
KIV	Kislovodsk 47.13 307 eP	20 21 38.5 +1.2
KIV	comp=Z,30nm,1.1s	
KIV	MLR	
EKAR	Karacaban 47.39 301 iP	20 21 43.0 +3.5
SRTM	Siirt_Merkez 47.51 299 iP	20 21 40.2 -0.2
HOMI	Horasan 47.52 302 iP	20 21 43.7 +3.1
ARTV	Artvin 47.53 304 iP	20 21 41.3 +0.6
DAGI	Agilar 47.53 303 iP	20 21 40.2 -0.3
DDEM	Demirkent 47.65 303 iP	20 21 41.9 +0.5
ERZM	Erzurum 47.93 302 iP	20 21 48.1 +4.3
TNCL	Tunceli-Merkez 48.35 301 iP	20 21 57.8 +3.0
KELT	Kelkit 48.55 302 iP	20 21 55.8 -0.3
PRGR	Pernorgore 48.71 331 eP	20 21 58.2 +1.5
PRGR	eS	20 29 04.9 +1.0
PRGR	pmax	
TIXI	comp=Z,29nm,0.8s	
TIXI	Tiksi 49.78 13 LR	20 44 24.3
TIXI	comp=Z,623nm,19.6s,baz=258,slow=38	
TIXI	Tiksi 49.78 13 eP	20 21 56.9 -0.3
TIXI	comp=Z,14nm,1.2s	
TIXI	Tiksi 49.78 13 defP	20 21 57.3 +0.2
TIXI	pmax	
ELZG	Elazig 49.81 300 iP	20 22 01.8 +3.7
KEMA	Kemalpa 50.16 301 iP	20 22 00.2 -0.5
SURC	SANLIURFA SURGO 50.20 298 iP	20 22 00.7 -0.2
WORD	Divnogorie 50.23 316 eP	20 22 00.3 -0.5
WORD	pmax	
VSR	comp=Z,9.0nm,1.1s	
VSR	Storozhevo 50.34 317 eP	20 22 00.5 -1.2
VSR	eS	20 29 10.8 -2.3
VSR	pmax	
VSR	smax	
VSR	comp=N,50nm,1.7s	
VSR	MLR	
SUSE	comp=Z,980nm,24.0s	
SUSE	Susehri 50.36 302 iP	20 22 04.0 +1.8
MA2	Magadan 50.57 32 LR	20 43 25.3
MA2	comp=Z,412nm,19.7s,baz=250,slow=36	
MA2	Magadan 50.57 32 eP	20 22 01.8 -1.5
MA2	comp=Z,1nm,0.9s	
MA2	Magadan 50.57 32 eP	20 22 01.8 -1.5
MA2	pmax	
HEKM	Malatya_Hekim 50.59 301 iP	20 22 05.5 +1.4
GENI	Geryony 50.61 117 P	20 22 04.5 +0.3
CUZAR	Zara_SIVAS 50.70 302 iP	20 22 05.0 +0.2
MBWA	Marble Bar 51.44 152 eP	20 22 08.8 -1.4
ERBA	Erbaa 51.45 303 iP	20 22 09.8 -0.5
FITZ	Fitzroy Crossi 51.66 144 eP	20 22 11.6 -0.4
MOS	Moscow 52.00 322 eP	20 22 13.3 -0.8
MOS	e	20 22 20.0
MOS	eS	20 24 09.0
MOS	S	20 29 36.7 +0.8
MOS	pmax	
MOS	MLR	
MOS	comp=Z,33nm,0.9s	
ASF	Jabal al Asfar 52.12 292 P	20 22 15.2 -0.3
ASF	comp=Z,4.6nm,0.7s,baz=72,slow=4.4,SNR=8.9	
ASF	LR	20 48 08.3
HAVZ	Havza 52.22 303 iP	20 22 16.3 +0.3
KLMR	Klimovskoe 52.23 329 eP	20 22 14.9 -0.8
KLMR	e	20 24 14.1
KLMR	pmax	
KLMR	comp=Z,41nm,1.0s	
KLMR	Klimovskoe 52.23 329 eP	20 22 14.9 -0.8
KLMR	AMP	20 22 19.6
KLMR	ePP	20 24 14.2 +0.2
KLMR	LO	20 40 49.3
SEY	Seymchan 52.37 29iP	20 22 17.4 +0.7
ATD	Arta Tunnel 52.38 265 LR	20 44 13.7
OBN	comp=Z,421nm,19.0s,baz=74,slow=36	
OBN	Obninsk 52.49 321iP	20 22 18.0 +0.3
OBN	e	20 24 15.6
OBN	ePPP	20 25 20.2
OBN	eS	20 29 43.8 +1.3
OBN	SS	20 33 24.4 +0.0
OBN	pmax	
OBN	MLR	
PETK	comp=Z,343nm,15.0s	
PETK	Petropavlovsk-52.97 41 P	20 22 21.9 +0.6
PETK	comp=Z,8.5nm,0.9s,baz=224,slow=4.0	
PETK	LR	20 46 09.8
PETK	comp=Z,459nm,19.2s,baz=255,slow=38	
PETK	Petropavlovsk-52.97 41 eP	20 22 22.6 +1.2
PETK	Petropavlovsk-52.97 41 eP	20 22 22.6 +1.2
GULE	Gulek 53.22 299 iP	20 22 23.0 -0.6
MMAI	Mount Meron Ar 53.24 293 P	20 22 24.9 +1.2
SIM	comp=Z,4.4nm,0.8s,baz=70,slow=7.9,SNR=6.1	
SIM	Simferopol' 53.30 308 P	20 22 23.3 -0.6
SIM	MLR	
CDAG	Cicekdag 53.33 302 iP	20 22 26.6 +2.3
PET	Petropavlovsk 53.53 42i eP	20 22 25.9 +0.5
PET	pmax	
AKSY	AKSARAY - Altı 53.88 301 iP	20 22 27.6 -0.8
BR131	Keskin Array S 53.88 302 eP	20 22 27.5 -1.0
BRTR	Keskin Array B 53.88 302 eP	20 22 27.4 -1.1
BRTR	comp=Z,3.4nm,0.7s,baz=120,slow=7.9,SNR=21	
BRTR	LR	20 48 04.0
ANTO	Ankara 54.52 302 iP	20 22 32.1 -0.9
ANTO	Ankara 54.52 302 eP	20 22 35.0 +2.0
ANTO	comp=Z,29nm,0.9s	
ANTO	Ankara 54.52 302 P	20 22 32.8 -0.2
ANTO	SNR=14	
ANTO	Ankara 54.52 302 iP	20 22 32.1 -0.9
BR231	Keskin MP Arra 54.54 302 eP	20 22 36.4 +3.2
ISP	Isparta 56.51 300i eP	20 22 48.7 +1.3
ISP	pmax	
AKASG	comp=Z,44nm,2.0s	
AKASG	Malin Array Be 56.57 315 P	20 22 45.3 -2.1

AKASG	comp=Z,437nm,20.0s,baz=85,slow=38	20 48 49.9
AKKB	Malin Array Si 56.57 315 eP	20 22 45.7 -1.8
KIEV	comp=Z,13nm,1.1s	
KIEV	Kiev 56.58 315 eP	20 22 45.6 -1.9
KIEV	Kiev 56.58 315 P	20 22 45.3 -2.2
KIEV	Kiev 56.58 315i eP	20 22 47.1 -0.4
KIEV	pmax	
SORM	Soroca 57.20 312 iP	20 22 50.7 -1.2
SORM	Soroca 57.20 312 iP	20 22 50.7 -1.2
TIRR	Tirgusor 57.38 308 iP	20 22 52.6 -0.7
TIRR	Tirgusor 57.38 308 eP	20 22 53.1 -0.2
TIRR	comp=Z,16nm,1.1s	
TIRR	Tirgusor 57.38 308 iP	20 22 52.6 -0.7
MICGM	Minsk 57.44 320 eP	20 22 53.0 -0.5
MNK	Minsk 57.44 320 eP	20 22 53.0 -0.5
CFR	Caracul 57.52 309 iP	20 22 53.1 -1.1
CFR	Caracul 57.52 309 iP	20 22 53.1 -1.1
TLB	Topalu 57.64 308 iP	20 22 53.0 -2.0
TLB	Topalu 57.64 308 iP	20 22 53.0 -2.0
HARR	Harsova 57.71 308 iP	20 22 54.2 -1.4
HARR	Harsova 57.71 308 iP	20 22 54.2 -1.4
ICOR	Ion Corvin 57.85 308 iP	20 22 55.7 -2.0
ICOR	Ion Corvin 57.85 308 iP	20 22 55.7 -2.0
WRA	Warramunga Arr 58.14 137 P	20 22 57.5 -1.4
WRAB	Tennant Creek 58.14 137 eP	20 22 58.0 -0.8
WRAB	Tennant Creek 58.14 137 defP	20 22 58.4 -0.4
WRAB	pmax	
WB2	Warramunga Arr 58.14 137 eP	20 22 58.2 -0.7
VSU	Vasula 58.22 325 iP	20 22 57.4 -1.5
VSU	pmax	
PRD	Provincia 58.23 307 P	20 22 59.0 -0.3
VRI	Vrincioia 58.45 310 iP	20 23 00.2 -0.6
VRI	Vrincioia 58.45 310 iP	20 23 00.2 -0.6
TESR	Tescani 58.45 310 iP	20 22 59.4 -1.4
PLOR	Plostinia 58.51 310 iP	20 23 00.7 -0.5
PLOR	Plostinia 58.51 310 iP	20 23 00.7 -0.5
ISR	Istria 58.65 309 iP	20 23 02.2 -1.1
ISR	Istria 58.65 309 iP	20 23 02.2 -1.1
FIAT	FINESSE Array B 58.73 328 eP	20 23 01.0 -1.4
FINES	FINESSE Array B 58.73 328 eP	20 23 00.9 -1.5
FINES	comp=Z,4.2nm,0.7s,baz=104,slow=8.0,SNR=19	
FINES	LR	20 50 46.6
BIZ	Bicaz 58.79 311 iP	20 23 01.9 -1.3
MLR	Muntele Rosu 59.03 309 P	20 23 04.5 -0.5
MLR	comp=Z,2.6nm,0.6s,baz=48,slow=5.9,SNR=21	
MLR	LR	20 51 09.7
MLR	Muntele Rosu 59.03 309 iP	20 23 05.0 -0.0
MLR	Muntele Rosu 59.03 309 eP	20 23 04.6 -0.4
MLR	comp=Z,25nm,0.9s	
MLR	Muntele Rosu 59.03 309 iP	20 23 05.0 -0.0
SZH	Strazica 59.29 307 P	20 23 06.0 -0.7
BURAR	Bucovina Array 59.34 312 iP	20 23 06.1 -0.9
BURAR	Bucovina Array 59.34 312 iP	20 23 06.1 -0.9
BUR08	Bucovina Ar. S 59.34 312 eP	20 23 05.8 -1.3
BUR08	Bucovina Ar. S 59.35 312 eP	20 23 05.8 -1.3
ALN	Alexandroupoli 59.52 304 P	20 23 09.5 +1.2
ALN	Alexandroupoli 59.52 304 P	20 23 09.5 +1.2
ALN	Alexandroupoli 59.52 304 P	20 23 07.6 -0.7
ALN	Alexandroupoli 59.52 304 eP	20 23 09.5 +1.2
KARP	Karpathos 59.54 298 eP	20 23 09.8 +1.2
VOIR	59.66 309 iP	20 23 08.0 -1.3
VOIR	59.66 309 iP	20 23 08.0 -1.3
ARCES	ARCES Array B 59.86 337 P	20 23 09.5 -0.7
ARCES	comp=Z,5.4nm,0.6s,baz=78,slow=7.2,SNR=14	
ARCES	LR	20 51 59.5
ARCES	comp=Z,472nm,19.4s,baz=95,slow=39	
ARCES	ARCES Array B 59.86 337 eP	20 23 12.6 +2.4
AREO	ARCES Array S 59.86 337 eP	20 23 10.3 +0.1
KDZ	Kurdzhali 59.88 305 P	20 23 11.0 +0.2
LVV	L'vov 59.94 314 eP	20 23 09.8 -1.2
ARCU	ARCALIA 59.97 311 iP	20 23 11.3 0.0
SUW	Suwalki 60.20 319 eP	20 23 10.8 -1.9
SUW	Suwalki 60.20 319 eP	20 23 13.7 +0.9
SUW	comp=Z,3nm,1.1s	
SUW	Suwalki 60.20 319 eP	20 23 10.8 -1.9
BMR	Baia Mare 60.49 312 iP	20 23 14.8 0.0
BMR	Baia Mare 60.49 312 iP	20 23 14.8 0.0
CJR	Cluj-Napoca 60.53 311 iP	20 23 15.6 +0.4
CJR	Cluj-Napoca 60.53 311 iP	20 23 15.6 +0.4
KTK1	Kautokeino 60.60 337 eP	20 23 14.8 -0.4
HAMF	Hammerfest 60.63 339 eP	20 23 15.8 +0.4
PGB	Panagyurishte 60.67 306 P	20 23 17.0 +0.8
AS31	Alice Springs 60.72 140 P	20 23 16.0 -0.7
ASAR	Alice Springs 60.72 140 P	20 23 15.9 -0.7
ASAR	comp=Z,3nm,0.5s,baz=323,slow=6.6,SNR=99	
ASAR	LR	20 51 30.7
ASAR	comp=Z,229nm,21.6s,baz=322,slow=38	
ASAR	Alice Springs 60.72 140 P	20 23 16.0 -0.7
ASAR	pmax	
ASAR	comp=Z,7.0nm,0.5s	
ASAR	MLR	
ASAR	MLR	
AS01	Alice Springs 60.74 140 eP	20 23 16.2 -0.6
KWP	Kalwaria Pacla 60.81 314 eP	20 23 15.8 -1.2
KWP	Kalwaria Pacla 60.81 314 eP	20 23 15.9 -1.2
KWP	comp=Z,217nm,0.7s	
KWP	Kalwaria Pacla 60.81 314 eP	20 23 15.8 -1.2
TRPA	Tarpa 61.12 311 iP	20 23 18.3 -1.0
DRGR	61.12 311 iP	20 23 18.3 -1.0
UZH	Uzhgorod 61.19 313 eP	20 23 17.1 -2.4
UZH	e	20 23 25.3
UZH	e	20 23 35.5
NWAO	Narrogin (SRO) 61.22 160 P	20 23 18.9 -1.0
NWAO	comp=Z,5.9nm,0.9s,baz=211,slow=9.1,SNR=4.2	
NWAO	LR	20 49 10.8
VTS	Vitosha 61.36 306 iP	20 23 20.4 -0.7
VTS	Vitosha 61.36 306 eP	20 23 19.4 -1.6
VTS	comp=Z,28nm,0.9s	
VTS	Vitosha 61.36 306 P	20 23 20.0 -1.1
VTS	Vitosha 61.36 306 P	20 23 20.7 -0.4
VTS	Vitosha 61.36 306 iP	20 23 20.4 -0.7
IDI	Anoyia 61.41 298 P	20 23 20.1 -1.3
IDI	LR	20 52 53.0
AOS	Alonnissos 61.44 302 P	20 23 20.7 -0.8
AOS	Alonnissos 61.44 302 P	20 23 20.7 -0.8
CRVS	Cervencia-Dubn 61.70 314 eP	20 23 23.8 +0.7
CRVS	pmax	
CRVS	comp=Z,10.0nm,1.2s	
CRVS	Cervencia-Dubn 61.70 314 eP	20 23 23.8 +0.7
KNT	Kendrikon 61.83 305 P	20 23 21.6 -2.5
KNT	Kendrikon 61.83 305 P	20 23 21.6 -2.5
KNT	Kendrikon 61.83 305 P	20 23 21.6 -2.5
KLNR	Kalinigrad 61.90 320i eP	20 23 27.5 +3.3
KLNR	pmax	
BZS	Buzias 62.03 310 iP	20 23 24.3 -1.0
BZS	Buzias 62.03 310 iP	20 23 24.3 -1.0
MDVR	Moldovita 62.09 309 iP	20 23 25.1 -0.7
IMMV	Iera Monti Meta 62.10 298 P	20 23 20.7 -5.3
TRIO	Trio 62.17 313 eP	20 23 24.6 -2.2
GRG	Griva 62.24 305 P	20 23 24.6 -2.2
GRG	Griva 62.24 305 P	20 23 24.6 -2.2
LIT	Litokhoron 62.33 304 eP	20 23 28.2 +0.8
LIT	comp=Z,99nm,1.9s	
LIT	Litokhoron 62.33 304 eP	20 23 28.2 +0.8
LIT	pmax	
LIT	comp=Z,99nm,1.9s	
NIE	Niedzica 62.39 314 eP	20 23 27.3 -0.4
NIE	Niedzica 62.39 3	

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Prapat, Matsushiro Arr, Tennant Creek, Warramunga Arr, Marble Bar, etc.

DDA 10 00:10:32.4, 38°31'N-26°39'E, h15km, ML2.7
ATH 10 00:10:33.3, 38°29'N-26°59'E, h32km, 3km, ML2.0/3, Error ellipse: s-maj=5.1km s-min=1.6km az=216.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like URLA, Izmir, Balcovia, Chios island, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRAB, Tennant Creek, WB2, Warramunga Arr, etc.

ISCJB 10 00:45:16.2,0.5,54.43N,0.06E:168.56E,0.06,h24km,
mb3.7/15,MS2.9/5,Error ellipse: s-maj=8.4km
s-min=4.9km az=171.9
IDC 10 00:45:16.2,0.7,54.93N:168.56E,h0km,mb3.8/12,
mb1.4/13,mb1mx3.7/75,mbmp3.8/13,MS2.9/6,
Ms1.3/0.6,ms1mx2.0/63,Error ellipse: s-maj=29.2km
s-min=13.4km az=167.0
KRSC 10 00:45:18.8,1.6,54.46N:168.27E,h77km,25km,ML2.2
MOS 10 00:45:19.5,0.6,54.46N:168.35E,h63km,mb4.2/2,Error
ellipse: s-maj=10.3km s-min=6.4km az=19.3
NEIC 10 00:45:21.4,0.5,54.94N:168.52E,h35km,mb4.1/1,Error
ellipse: s-maj=19.8km s-min=7.3km az=164.0
ISC 10 00:45:18.6,0.7,54.44N:0.06E:168.48E,0.06,h24km,n96,
r125/98,mb3.8/15,MS3.0/5,Komandorsky Islands

SOME 10 00:51:48.6,4.2,15N-81.62E,h5km
NMC 10 00:51:50.0,2.1,42.28N-81.81E,h0km,mb3.5,mpv3.2,
Error ellipse: s-maj=18.6km s-min=9.0km az=167.0
ISC 10 00:51:48.8,2.6,42.24N:0.09-81.63E,0.08,h1km,14km,
n18,r168/32,8C-50,Northern Xinjiang

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	ISC
						h m s	ISC	
BKI	Bering	1.64	299	eP	ISC	00 45 44.6	-1.2	Pn
BKI	Bering	1.64	299	eS	ISC	00 45 46.3	+0.1	Pn
BKI	Bering	1.64	299	eP	ISC	00 45 46.3	+0.1	Pn
BKI	Bering	1.64	299	eS	ISC	00 45 46.3	+0.1	Pn
KBTR	Krutoberegovo	3.69	301	eP	ISC	00 46 13.6	-0.4	Pn
KBTR	Krutoberegovo	3.69	301	eS	ISC	00 46 13.6	-0.4	Pn
KBTR	Krutoberegovo	3.69	301	eP	ISC	00 46 13.6	-0.4	Pn
KBTR	Krutoberegovo	3.69	301	eS	ISC	00 46 13.6	-0.4	Pn
MKZ	Mys Kozlova	3.94	274	eP	ISC	00 46 17.7	+0.3	Pn
MKZ	Mys Kozlova	3.94	274	eS	ISC	00 47 00.1	-2.7	Pn
MKZ	Mys Kozlova	3.94	274	eP	ISC	00 47 00.1	-2.7	Pn
MKZ	Mys Kozlova	3.94	274	eS	ISC	00 47 00.1	-2.7	Pn
SMKR	Semkarok	4.53	301	eP	ISC	00 46 25.8	+0.2	Pn
SMKR	Semkarok	4.53	301	eS	ISC	00 46 25.8	+0.2	Pn
BDR	Baidarnaya	4.65	300	eP	ISC	00 46 28.1	+0.8	Pn
BDR	Baidarnaya	4.65	300	eS	ISC	00 46 28.1	+0.8	Pn
ZLN	Zelenaya	4.67	293	eP	ISC	00 46 29.2	+1.6	Pn
ZLN	Zelenaya	4.67	293	eS	ISC	00 46 29.2	+1.6	Pn
SRKR	Sorokina	4.71	301	eP	ISC	00 46 28.2	+0.1	Pn
SRKR	Sorokina	4.71	301	eS	ISC	00 46 28.2	+0.1	Pn
CIRR	Tsirk	4.73	294	eP	ISC	00 46 28.7	+0.3	Pn
CIRR	Tsirk	4.73	294	eS	ISC	00 46 28.7	+0.3	Pn
LGNR	Loginova	4.75	293	eP	ISC	00 46 31.7	+0.3	Pn
LGNR	Loginova	4.75	293	eS	ISC	00 46 31.7	+0.3	Pn
BZMR	Bezymyannaya	4.82	291	eP	ISC	00 46 31.5	+1.8	Pn
BZMR	Bezymyannaya	4.82	291	eS	ISC	00 46 31.5	+1.8	Pn
BZWR	Bezymyanni-We	4.82	292	eP	ISC	00 46 30.2	+0.5	Pn
BZWR	Bezymyanni-We	4.82	292	eS	ISC	00 46 30.2	+0.5	Pn
KRSR	Krestovskiy	4.86	295	eP	ISC	00 46 30.3	+0.1	Pn
KRSR	Krestovskiy	4.86	295	eS	ISC	00 46 30.3	+0.1	Pn
TUMR	Tumrok	4.89	283	eP	ISC	00 46 31.1	+0.5	Pn
TUMR	Tumrok	4.89	283	eS	ISC	00 46 31.1	+0.5	Pn
KIRR	Kirishev	4.90	291	eP	ISC	00 46 31.6	+0.8	Pn
KIRR	Kirishev	4.90	291	eS	ISC	00 46 31.6	+0.8	Pn
KMNR	Kamenistaya	4.92	289	eP	ISC	00 46 31.5	+0.6	Pn
KMNR	Kamenistaya	4.92	289	eS	ISC	00 46 31.5	+0.6	Pn
KPT	Kopyto	4.97	291	eP	ISC	00 46 31.6	-0.1	Pn
KPT	Kopyto	4.97	291	eS	ISC	00 46 31.6	-0.1	Pn
SPN	Mys Shipunski	5.20	258	eP	ISC	00 47 31.6	-2.2	Pn
SPN	Mys Shipunski	5.20	258	eS	ISC	00 47 31.6	-2.2	Pn
KII	Karymskiy	5.32	269	eP	ISC	00 46 36.4	0.0	Pn
KII	Karymskiy	5.32	269	eS	ISC	00 46 36.4	0.0	Pn
MLC	Nalytchevo	5.66	331	eP	ISC	00 46 41.9	+0.8	Pn
OSSR	Ossora	5.66	331	eS	ISC	00 46 41.9	+0.8	Pn
SDLR	Sedlovina	5.80	262	eP	ISC	00 46 43.5	+0.4	Pn
SDLR	Sedlovina	5.80	262	eS	ISC	00 46 43.5	+0.4	Pn
SMAR	Somma	5.85	262	eP	ISC	00 46 44.8	+1.0	Pn
SMAR	Somma	5.85	262	eS	ISC	00 46 44.8	+1.0	Pn
UGLR	Uglovaya	5.85	262	eP	ISC	00 46 44.8	+1.0	Pn
UGLR	Uglovaya	5.85	262	eS	ISC	00 46 44.8	+1.0	Pn
KRX	Arik	5.92	263	eP	ISC	00 46 44.6	-0.1	Pn
KRX	Arik	5.92	263	eS	ISC	00 46 44.6	-0.1	Pn
KOK	Koryaka	5.94	263	eP	ISC	00 46 45.1	+0.1	Pn
KOK	Koryaka	5.94	263	eS	ISC	00 46 45.1	+0.1	Pn
DALK	Dalny	5.95	260	eP	ISC	00 46 45.8	+0.8	Pn
DALK	Dalny	5.95	260	eS	ISC	00 46 45.8	+0.8	Pn
GNL	Ganally	6.25	267	eP	ISC	00 46 50.4	+1.1	Pn
GNL	Ganally	6.25	267	eS	ISC	00 46 50.4	+1.1	Pn
RUS	Russkaya	6.29	255	eP	ISC	00 46 50.6	+0.9	Pn
RUS	Russkaya	6.29	255	eS	ISC	00 46 50.6	+0.9	Pn
KRMR	Karymskiy	6.37	260	eP	ISC	00 46 51.9	+1.1	Pn
KRMR	Karymskiy	6.37	260	eS	ISC	00 46 51.9	+1.1	Pn
MTRV	Mutnovka	6.46	256	eP	ISC	00 46 52.5	+0.3	Pn
MTRV	Mutnovka	6.46	256	eS	ISC	00 46 52.5	+0.3	Pn
PETK	Petropavlovsk- baz=71,slow=18	6.53	263	eP	ISC	00 46 55.0	+1.9	Pn
PALN	Palana	6.60	318	eP	ISC	00 46 55.6	+1.7	Pn
PALN	Palana	6.60	318	eS	ISC	00 46 55.6	+1.7	Pn
ASAK	Asacha	6.66	256	eP	ISC	00 46 55.4	+0.6	Pn
ASAK	Asacha	6.66	256	eS	ISC	00 46 55.4	+0.6	Pn
KDTR	Khodutka, Kame	6.80	251	eP	ISC	00 46 57.5	+0.9	Pn
KDTR	Khodutka, Kame	6.80	251	eS	ISC	00 46 57.5	+0.9	Pn
APC	Apacha	6.90	262	eP	ISC	00 47 00.2	+2.1	Pn
APC	Apacha	6.90	262	eS	ISC	00 47 00.2	+2.1	Pn
MIPR	Malaya Ipe'ka	7.35	258	eP	ISC	00 47 06.3	+2.1	Pn
MIPR	Malaya Ipe'ka	7.35	258	eS	ISC	00 47 06.3	+2.1	Pn
ASAJ	Asahikawa	19.69	249	eP	ISC	00 56 21.5	0.0	Pn
ASAJ	Asahikawa	19.69	249	eS	ISC	00 56 21.5	0.0	Pn
KDAK	Kodiak Island	21.75	65	P	ISC	00 50 06.2	-1.7	Pn
KLR	Kul'dur	23.0	272	P	ISC	00 50 22.9	+0.6	Pn
ILAR	Eielsen Array	24.28	47	P	ISC	00 50 31.9	-1.7	Pn
ILAR	Eielsen Array	24.28	47	eP	ISC	00 50 31.9	-1.7	Pn
EGAK	Eagle	26.74	47	LR	ISC	00 59 25.9	0.0	Pn
MJAR	Matsushiro Arr	27.45	242	LR	ISC	01 02 50.4	0.0	Pn
KRSR	Korea Array	32.11	352	LR	ISC	01 04 34.2	0.0	Pn
H1N2	WAKE ISLAND Hy	34.67	183	T	ISC	01 28 46.7	0.0	Pn
H1N3	WAKE ISLAND Hy	34.59	183	T	ISC	01 28 47.7	0.0	Pn
H1N1	WAKE ISLAND Hy	34.69	183	T	ISC	01 28 48.0	0.0	Pn
H1S1	WAKE ISLAND Hy	35.90	183	T	ISC	01 30 18.9	0.0	Pn
H1S3	WAKE ISLAND Hy	35.91	183	T	ISC	01 30 17.6	0.0	Pn
H1S2	WAKE ISLAND Hy	35.91	183	T	ISC	01 30 20.0	0.0	Pn
SOMM	Songino Array	38.37	286	P	ISC	00 52 38.7	+1.2	Pn
YKA	Yellowknife Ar	38.71	46	P	ISC	00 52 38.8	-1.3	Pn
SPITS	Spitsbergen Ar	65.50	74	P	ISC	01 12 18.3	0.0	Pn
NVAR	Mina Array Bea	50.59	77	P	ISC	00 54 15.4	0.0	Pn
KURK	Kurchatov Arra	51.14	305	P	ISC	00 54 18.9	-0.1	Pn
KURK	Kurchatov Arra	51.14	305	eP	ISC	00 54 18.9	-0.1	Pn
KURB	Kurchatov Arra	51.24	305	P	ISC	00 54 18.9	-0.9	Pn
KURB	Kurchatov Arra	51.24	305	eP	ISC	00 54 18.9	-0.9	Pn
PDAR	Penedale Array	52.46	67	P	ISC	00 54 29.0	-0.3	Pn
BVAR	Borovoye Array	53.33	312	P	ISC	00 54 34.5	-0.8	Pn
CMAR	Chiang Mai Arr	63.31	265	P	ISC	00 55 47.1	+1.7	Pn
CMAR	Chiang Mai Arr	63.31	265	eP	ISC	00 55 47.1	+1.7	Pn
NB2	NORSAR Subarra	63.46	348	P	ISC	00 55 45.0	-0.9	Pn
NB2	NORSAR Subarra	63.46	348	eP	ISC	00 55 45.0	-0.9	Pn
TXAR	Lajitas Array	65.50	74	P	ISC	00 55 59.3	-0.5	Pn
WRA	Warramunga Arr	79.66	212	P	ISC	00 57 27.5	+3.8	Pn
ASAR	Alice Springs	83.28	212	P	ISC	00 57 47.8	+4.8	Pn

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	ISC
						h m s	ISC	
KTMS	Ketmen	1.53	322	eP	ISC	00 52 18.4	+0.4	Pn
KTMS	Ketmen	1.53	322	eS	ISC	00 52 18.4	+0.4	Pn
SHLS	Shalkode	1.84	301	eP	ISC	00 52 39.8	+2.0	Pn
SHLS	Shalkode	1.84	301	eS	ISC	00 52 39.8	+2.0	Pn
SHLS	Shalkode	1.84	301	eP	ISC	00 52 40.3	-2.3	Pn
SHLS	Shalkode	1.84	301	eS	ISC	00 52 40.3	-2.3	Pn
PDGK	Podgornoye	1.91	305	IP	ISC	00 52 24.6	+0.2	Pn
PDGK	Podgornoye	1.91	305	IS	ISC	00 52 24.6	+0.2	Pn
UZB	Uzymbulak	2.12	296	eP	ISC	00 52 29.0	-0.5	Pn
UZB	Uzymbulak	2.12	296	eS	ISC	00 52 29.0	-0.5	Pn
DJR	Jarkent	2.48	328	eP	ISC	00 52 34.8	+0.7	Pn
DJR	Jarkent	2.48	328	eS	ISC	00 52 34.8	+0.7	Pn
DJR	Jarkent	2.48	328	eP	ISC	00 53 08.3	-0.2	Pn
DJR	Jarkent	2.48	328	eS	ISC	00 53 08.3	-0.2	Pn
SATY	Saty	2.52	290	eP	ISC	00 52 36.2	-0.8	Pn
SATY	Saty	2.52	290	eS	ISC	00 52 36.2	-0.8	Pn
SATY	Saty	2.52	290	eP	ISC	00 53 11.1	+1.5	Pn
SATY	Saty	2.52	290	eS	ISC	00 53 11.1	+1.5	Pn
ZHN	Zhishiske	2.53	293	eP	ISC	00 52 36.7	-0.6	Pn
ZHN	Zhishiske	2.53	293	eS	ISC	00 52 36.7	-0.6	Pn
ZHN	Zhishiske	2.53	293	eP	ISC	00 53 11.4	+1.3	Pn
ZHN	Zhishiske	2.53	293	eS	ISC	00 53 11.4	+1.3	Pn
KURS	Kuram	2.83	297	eP	ISC	00 52 41.5	+1.4	Pn
KURS	Kuram	2.83	297	eS	ISC	00 52 41.5	+1.4	Pn
KURS	Kuram	2.83	297	eP	ISC	00 53 19.6	-0.1	Pn
KURS	Kuram	2.83	297	eS	ISC	00 53 19.6	-0.1	Pn
ARXS	Arhalyk	3.41	307	eP	ISC	00 52 51.5	+1.6	Pn
ARXS	Arhalyk	3.41	307	eS	ISC	00 52 51.5	+1.6	Pn
ARXS	Arhalyk	3.41	307	eP	ISC	00 53 36.7	-1.5	Pn
ARXS	Arhalyk	3.41	307	eS	ISC	00 53 36.7	-1.5	Pn
KAPS	Kapalarasan	3.46	332	eP	ISC	00 52 50.3	-0.4	Pn
KAPS	Kapalarasan	3.46	332	eS	ISC	00 52 50.3	-0.4	Pn
KAPS	Kapalarasan	3.46	332	eP	ISC	00 53 34.2	+1.0	Pn
KAPS	Kapalarasan	3.46	332	eS	ISC	00 53 34.2	+1.0	Pn
KOTS	Kotrybulak	3.47	288	eP	ISC	00 52 52.3	+1.	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes data for stations like MGRS, BLJ, BLY, UDBI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes data for stations like PVY, PLY, ULJC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes data for stations like CBJJ, MAJO, MAJ, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VVDA, WVDA, and various others.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KS01, CMB, and various others.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like G03D, 319A, and various others.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like RETA Reutte, WTTA Wattenberg, MYKA Terra Mystica, etc.

ISCJB 10 02:35:59.9, 0.3, 12.47N, 0.03:87.75W, 0.02, h70km, 2km, mb4.6/134, Error ellipse: s-maj=5.1km s-min=2.6km az=32.8

CASC 10 02:36:00.4, 2.2, 12.48N, 87.80W, h53km, 39km, MD4.3, ML4.3, mb4.6(NEIC)

IDC 10 02:36:02.0, 3.1, 12.59N, 87.67W, h70km, 27km, mb4.2/12, mb1.4, 4/13, mb1mx0.4/6, mbmp4.5/13, MS3.5/11, Ms1.3, 4/11, ms1mx3.2/44, Error ellipse: s-maj=24.3km s-min=13.9km az=49.0

NEIC 10 02:36:02.0, 2.0, 12.43N, 87.67W, h76km, 7km, mb4.6/144, MD4.3(SNET), Error ellipse: s-maj=7.4km s-min=5.1km az=219.0

NEIC (Fail) at La Union, El Salvador. ISC 10 02:36:00.6, 0.6, 12.47N, 0.04:87.76W, 0.04, h58km, 6km, Nicosia, r1936/499, mb4.6/134, MS3.3/10, 2D, Near coast of

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like CNCH Conchagua, BRAN Las Pilas, ESTN Estel, etc.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like 452A Marianna, 454A Quitman, 453A Whitebird, etc.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like X48A Hartselle, X48A Hartselle, X45A UMI Fild Stati, etc.

TUL1	Leonard	24.44 344	eP	P	02 41 14.6	+0.7	M40A	Post Highland	29.01 354	P	P	02 41 53.1	-1.9	F44A	Big Bay de Noc	33.41 2	P	P	02 42 31.7	-1.9
T46A	Princeton	24.47 360	P	P	02 41 13.3	-0.9	M39A	Webster	29.15 353	P	P	02 41 55.2	-1.0	F39A	Loretta	33.44 356	P	P	02 42 32.0	-2.0
T48A	Bowling Green	24.56 3	P	P	02 41 13.7	-1.4	N54A	Moraine State	29.19 12	P	P	02 41 56.7	+0.1	G33A	Ortonville	33.44 349	P	P	02 42 32.7	-1.3
T44A	Benton	24.57 356	P	P	02 41 13.3	-1.8	N54A	Moraine State	29.19 12	eP	P	02 41 56.9	+0.2	MTPU	Mount Pierson	33.50 324	eP	P	02 42 37.6	+2.6
NCAT	North Carolina	24.59 16	eP	P	02 41 16.4	+1.2	M38A	Pleasantville	29.23 352	P	P	02 41 55.5	-1.4	COWI	Conover	33.54 358	eP	P	02 42 33.2	-1.6
T50A	Nancy	24.59 6	P	P	02 41 15.3	0.0	PAGS	Pennsylvania G	29.31 17	eP	P	02 41 58.6	+0.9	F38A	Pierce - Schro	33.56 355	P	P	02 42 33.3	-1.7
T49A	Edmonton	24.61 4	P	P	02 41 14.9	-0.6	M37A	Trindle Farm,	29.34 350	P	P	02 41 57.2	-0.7	F36A	Pierce - Schro	33.56 355	P	P	02 42 33.4	-1.6
T49A	Edmonton	24.61 4	eP	P	02 41 15.5	0.0	SSPA	Standing Stone	29.37 15	eP	P	02 41 58.7	+0.5	F36A	Milaca	33.64 353	P	P	02 42 34.0	-1.6
T43A	Greenville	24.61 355	P	P	02 41 14.5	-1.0	L42A	Oliver, Polo	29.47 357	P	P	02 41 57.5	-1.6	G32A	Webster	33.71 348	P	P	02 42 35.5	-0.9
T51A	Gray	24.63 7	P	P	02 41 15.7	0.0	M36A	Felix, Anita	29.52 349	P	P	02 41 59.2	-0.4	G32A	Webster	33.71 348	eP	P	02 42 35.3	-1.0
T42A	Van Buren	24.64 354	P	P	02 41 14.6	-1.2	L41A	Preston	29.59 356	P	P	02 41 58.7	-1.4	E43A	Lone Tree Farm	33.80 1	P	P	02 42 34.3	-2.8
T42A	Van Buren	24.64 354	eP	P	02 41 15.0	-0.7	L40A	Anamosa	29.64 355	P	P	02 41 59.1	-1.4	E43A	Lone Tree Farm	33.80 1	eP	P	02 42 35.6	-1.4
T41A	Mountain View	24.73 352	P	P	02 41 15.8	-0.8	L40A	Anamosa	29.64 355	eP	P	02 41 59.2	-1.3	E42A	Champion	33.85 360	P	P	02 42 35.1	-2.4
GD2L	Guadalupe Moun	24.86 325	eP	P	02 41 19.5	+1.5	L39A	Vinton	29.77 354	P	P	02 42 00.4	-1.3	E39A	Mellen	33.88 357	P	P	02 42 35.7	-2.0
T52A	Hallie	24.90 9	P	P	02 41 18.6	+0.4	M54A	Oil Creek Stat	29.78 12	P	P	02 42 01.7	-0.2	E40A	Wakefield	33.91 357	P	P	02 42 36.2	-1.8
T40A	Mansfield	24.94 351	P	P	02 41 18.7	+0.2	M54A	Oil Creek Stat	29.78 12	eP	P	02 42 01.6	-0.2	E38A	The Farm, Brul	34.17 355	P	P	02 42 38.3	-2.0
T39A	Clever	24.96 349	P	P	02 41 18.1	-0.6	L38A	Oak Wood Farm,	29.90 352	P	P	02 42 01.8	-1.1	K22A	Casper	34.19 335	P	P	02 42 41.8	+1.1
S43A	Fulton Ridge,	25.08 356	P	P	02 41 18.5	-1.3	L37A	Phoenix Point,	30.00 351	P	P	02 42 02.6	-1.2	E36A	McGregor	34.25 353	P	P	02 42 39.3	-1.7
S46A	Don Dixon Farm	25.11 0	P	P	02 41 17.9	-2.1	BGNE	Belgrade	30.23 344	P	P	02 42 05.9	+0.1	LPZA	La Paz	34.55 145	LR	LR	02 57 47.8	
S44A	Carbondale	25.15 357	P	P	02 41 19.2	-1.2	K42A	Prairie Point,	30.23 358	P	P	02 42 04.1	-1.6	MPU	Maple Canyon	34.58 327	eP	P	02 42 45.3	+1.2
T38A	Diamond	25.15 348	P	P	02 41 19.9	-0.5	N59A	State Game Lan	30.23 18	P	P	02 42 06.0	+0.2	D37A	Cotton	34.80 354	P	P	02 42 43.4	-2.3
S41A	Jilco Farms,	25.26 353	P	P	02 41 20.4	-1.1	N59A	State Game Lan	30.23 18	eP	P	02 42 06.8	+1.0	D36A	Goodland	34.89 354	P	P	02 42 44.1	-2.4
S49A	Springfield	25.30 5	P	P	02 41 21.4	-0.4	K40A	Colesburg	30.26 355	P	P	02 42 04.3	-1.8	D36A	Goodland	34.89 354	eP	P	02 42 44.7	-1.8
S42A	Caledonia	25.34 354	P	P	02 41 20.4	-1.8	K39A	Oelwein	30.34 354	P	P	02 42 05.6	-1.1	D35A	Remer	34.90 352	P	P	02 42 43.7	-2.9
S51A	Beattyville	25.34 8	P	P	02 41 22.2	+0.1	K38A	Parkersburg	30.38 353	P	P	02 42 05.9	-1.2	JLU	Jordanelle	34.90 328	eP	P	02 42 48.3	+1.3
S51A	Beattyville	25.34 8	eP	P	02 41 22.5	+0.4	PTGA	Pitinga	30.55 113	LR	LR	02 55 25.1		CTU	Camp Tracy	35.13 328	eP	P	02 42 50.0	+1.1
S40A	Lebanon	25.38 351	P	P	02 41 21.5	-1.0	K37A	Belmond	30.61 351	P	P	02 42 08.1	-1.1	C38A	Sawhill Land.	35.26 356	P	P	02 42 46.4	-3.3
MSTX	Muleshoe	25.40 330	P	P	02 41 22.3	-0.6	J42A	Columbus	30.76 358	P	P	02 42 08.9	-1.5	TCUT	Toone Canyon	35.26 328	eP	P	02 42 51.5	+1.5
S39A	Bolivar	25.40 350	P	P	02 41 22.4	-0.3	J43A	Natural Harves	30.80 359	P	P	02 42 09.7	-1.2	C37A	Embarass	35.34 355	P	P	02 42 48.4	-1.9
S39A	Bolivar	25.40 350	eP	P	02 41 23.9	-0.7	J41A	Logansville	30.84 357	P	P	02 42 10.0	-1.2	DUG	Dugway, Tooele	35.34 326	eP	P	02 42 51.8	+1.1
R46A	Gibson Southern	25.64 0	P	P	02 41 23.8	-1.0	J40A	Soldiers Grove	30.92 356	P	P	02 42 10.5	-1.4	C40A	Isle Royale Na	35.35 358	P	P	02 42 48.4	-2.0
AMTX	Amarillo	25.64 333	eP	P	02 41 25.3	+0.3	J39A	Decorah	30.94 354	P	P	02 42 11.2	-0.8	C36A	Pine Crest Far	35.43 354	P	P	02 42 49.2	-1.9
S38A	Stockton	25.65 349	P	P	02 41 24.6	-0.4	J38A	Wedel Dairy, R	30.91 353	P	P	02 42 11.1	-1.5	C35A	Jirik Farms, M	35.50 353	P	P	02 42 49.8	-1.9
CCM	Cathedral Cave	25.67 354	eP	P	02 41 25.2	+0.2	J37A	Redenius Farm,	31.13 352	P	P	02 42 12.8	-0.9	BW06	Butler Array	35.61 332	eP	P	02 42 53.2	+0.2
WC1	Wyandotte Cave	25.68 3	eP	P	02 41 25.2	-0.1	J36A	Seneca 1, Swea	31.27 351	P	P	02 42 13.9	-1.0	PD31	Pinedale Array	35.61 332	eP	P	02 42 53.5	+0.5
R44A	Waltonville	25.70 358	P	P	02 41 24.2	-1.1	J36A	Seneca 1, Swea	31.27 351	eP	P	02 42 14.1	-0.8	PD31	Pinedale Array	35.61 332	eP	P	02 45 19.8	-1.0
R45A	Skyilar, Fairir	25.72 359	P	P	02 41 23.4	-2.1	I43A	Langefield Bro	31.30 359	P	P	02 42 13.3	-1.9	PDAR	Pinedale Array	35.61 332	eP	P	02 42 53.0	0.0
R47A	Wooly Knot Far	25.74 2	P	P	02 41 24.5	-1.2	H42A	Draeger Farm,	31.32 358	P	P	02 42 13.7	-1.7	PDAR	Pinedale Array	35.61 332	eP	P	02 45 19.8	-1.0
R43A	Red Bud	25.77 356	P	P	02 41 24.9	-1.1	BINY	Binsantom	31.34 17	eP	P	02 42 16.1	+0.4	HW17	Hardware Ranch	35.70 329	eP	P	02 42 54.5	+0.8
R49A	Shelbyville	25.82 5	P	P	02 41 25.9	-0.5	I40A	Norwalk	31.41 356	P	P	02 42 15.0	-1.2	SPUT	South Promonto	35.94 328	eP	P	02 42 57.2	+1.5
R41A	Rosedale	25.92 353	P	P	02 41 26.2	-1.2	I39A	Houston	31.44 355	P	P	02 42 14.7	-1.7	BGU	Big Grassy Moun	35.97 327	eP	P	02 42 57.1	+1.0
R40A	Maddies Statio	26.02 352	P	P	02 41 27.3	-1.1	I39A	Houston	31.44 355	eP	P	02 42 15.2	-1.3	B35A	Bob, Littlefor	36.12 353	P	P	02 42 54.4	-2.6
R40A	Maddies Statio	26.02 352	eP	P	02 41 27.6	-0.7	I41A	Arkdale	31.53 357	P	P	02 42 16.1	-1.1	AHID	Auburn Hatcher	36.34 331	eP	P	02 42 59.8	+0.6
R39A	Chumby, Stover	26.16 351	P	P	02 41 28.9	-0.7	I38A	Scanlan Farm,	31.70 354	P	P	02 42 17.4	-1.4	BAK0	Galate	36.34 314	eP	P	02 42 56.5	-2.6
R38A	Fenwick Farm,	26.19 349	P	P	02 41 29.6	-0.2	PV02	Paradox Valley	31.72 328	eP	P	02 42 18.8	-0.5	AGMN	Agassiz Nation	36.35 351	eP	P	02 42 57.8	-1.2
Q45A	Warren Harvey,	26.32 359	P	P	02 41 30.1	-0.8	PV13	Radium Mtn., P	31.73 327	eP	P	02 42 20.6	+1.2	B34A	Aery, Baudette	36.36 352	P	P	02 42 57.2	-1.8
Q44A	Meyer Farm, Va	26.35 358	P	P	02 41 30.3	-1.0	I37A	Lemond, Waseca	31.80 352	eP	P	02 42 18.1	-1.6	MDND	Maddock	36.63 347	P	P	02 43 00.3	-1.1
Q47A	Bedord North L	26.38 2	P	P	02 41 30.2	-1.3	I37A	Lemond, Waseca	31.80 352	eP	P	02 42 18.5	-1.1	REDW	Red Top Meadow	36.67 331	eP	P	02 43 03.0	+1.0
Q48A	North Vernon	26.41 4	P	P	02 41 29.8	-2.0	PV03	Paradox Valley	31.81 327	eP	P	02 42 21.3	+1.2	SNOW	Snow King Moun	36.70 332	eP	P	02 43 03.3	+1.0
Q41A	Truxton	26.55 354	P	P	02 41 31.9	-1.2	PV12	Saucer Basin,	31.84 328	eP	P	02 42 21.8	+1.5	LOHW	Long Hollow	36.75 332	eP	P	02 43 03.5	+0.8
Q40A	Laux Farm, Aux	26.59 353	P	P	02 41 32.6	-1.7	PV18	Sike Mesa, Pa	31.84 327	eP	P	02 42 21.6	+1.3	TPAW	Teton Pass	36.82 331	eP	P	02 43 04.1	+0.8
Q51A	Peebles	26.74 8	P	P	02 41 34.7	0.0	PV11	David Mesa, Pa	31.86 328	eP	P	02 42 21.8	+1.3	A33A	Warrad	36.80 352	P	P	02 43 02.3	-1.3
Q39A	Willow Grove F	26.87 351	P	P	02 41 34.7	-1.3	PV16	Nyswonger Mesa	31.89 327	eP	P	02 42 22.0	+1.2	MOOW	Moose Ponds	36.92 332	eP	P	02 43 04.5	+0.4
Q38A	Cooks Store, C	26.89 350	P	P	02 41 35.3	-0.8	PV17	East Wray Mesa	31.89 327	eP	P	02 42 21.9	+1.2	GATR	Gnd/Air Tx Cnt	36.95 312	eP	P	02 43 05.8	+1.5
P47A	Martinsville	26.94 3	P	P	02 41 35.0	-1.5	PV19	Morning Glory	31.93 327	eP	P	02 42 22.3	+1.2	FXWY	Fox Creek	36.97 332	eP	P	02 43 05.1	+0.6
P48A	Milroy	26.96 4	P	P	02 41 34.6	-2.2	H42A	Shiocton	31.93 359	P	P	02 42 18.6	-2.1	IMW	Indian Meadow	37.12 332	eP	P	02 43 06.6	+0.6
Q37A	Longview Farm,	26.96 348	P	P	02 41 36.0	-0.8	PV20	West Nyswonger	31.94 327	eP	P	02 42								

SGMF	Saint Gilles	1.50 272	ePn	Pn	03 27 50.8 +0.8
SGMF	Saint Gilles	1.50 272	ePg	Pb	03 27 52.0 +0.8
SGMF	299nm,0.3s,SNR=1.0		eSg	Sn	03 28 10.9 +1.5
SGMF	Saint Gilles	1.50 272	ePn	Pn	03 27 50.8 +0.8
SGMF	Saint Gilles	1.50 272	ePg	Pb	03 27 52.0 +0.8
SGMF	150nm,0.3s,SNR=1.0		eSg	Sn	03 28 10.9 +1.5
JOE	Queens East	1.51 311	eP	Pn	03 27 50.5 +0.3
JOE	Queens East	1.51 311	eS	Sn	03 28 09.7 -0.1
JOE	Queens East	1.51 311	eS	Pn	03 27 50.5 +0.3
JOE	Queens East	1.51 311	eP	Pb	03 28 09.4 -0.1
JRS	Jersey	1.53 310	eP	Pn	03 27 50.6 +0.2
JRS	Jersey	1.53 310	eS	Sn	03 28 09.7 -0.4
JRS	Jersey	1.53 310	eP	Pb	03 28 09.7 -0.4
JRS	Jersey	1.53 310	eS	Sn	03 27 50.6 +0.2
JRS	Jersey	1.53 310	eP	Pn	03 28 09.7 -0.4
JSA	Saint Aubin	1.57 309	eS	Pn	03 27 51.1 +0.2
JSA	Saint Aubin	1.57 309	eS	Sn	03 28 11.1 +0.1
JSA	comp=N,41nm,0.3s		IAML		03 28 14.2
JSA	comp=E,39nm,0.2s		IAML		03 28 16.4
JSA	Saint Aubin	1.57 309	eP	Pn	03 27 51.1 +0.2
JSA	Saint Aubin	1.57 309	eS	Sn	03 28 11.1 +0.1
JSA	comp=N,41nm,0.3s		IAML		03 28 16.4
JSA	comp=E,39nm,0.2s		IAML		03 28 16.4
JSA	Saint Aubin	1.57 309	Pn	Pn	03 27 51.1 +0.2
JSA	Saint Aubin	1.57 309	Pg	Pb	03 27 52.6 +0.2
JSA	Saint Aubin	1.57 309	eS	Sb	03 28 11.1 +0.1
JSA	Saint Martin d	1.62 176	ePn	Sb	03 28 12.9 +0.9
MFF	Saint Martin d	1.62 176	eP	Pg	03 27 52.9 +1.3
MFF	Saint Martin d	1.62 176	eP	Pg	03 27 54.8 +0.1
MFF	Saint Martin d	1.62 176	eSg	Sn	03 28 13.4 +1.2
MFF	Saint Martin d	1.62 176	eSg	Sg	03 28 16.5 +0.8
MFF	comp=E,98nm,0.3s,SNR=1.0		ePn	Pn	03 27 52.9 +1.3
MFF	Saint Martin d	1.62 176	ePn	Pn	03 28 13.4 +1.2
MFF	Saint Martin d	1.62 176	eSg	Sg	03 28 16.5 +0.8
MFF	comp=E,49nm,0.3s,SNR=1.0		ePn	Pn	03 27 56.7 +0.7
QUIF	Quistinic	1.94 262	ePn	Pn	03 27 56.7 +0.7
QUIF	Quistinic	1.94 262	ePg	Pb	03 28 00.1 +1.5
QUIF	Quistinic	1.94 262	eS	Sb	03 28 23.6 +1.0
QUIF	Quistinic	1.94 262	eSg	Sg	03 28 25.0 +2.4
QUIF	comp=E,125nm,0.3s,SNR=1.0		ePn	Pn	03 27 56.7 +0.7
QUIF	Quistinic	1.94 262	ePn	Pn	03 28 00.1 +1.5
QUIF	Quistinic	1.94 262	ePg	Pb	03 28 23.6 +1.0
QUIF	Quistinic	1.94 262	eSg	Sg	03 28 25.0 +2.4
ROSF	Rostrenen	1.98 275	ePn	Pn	03 27 57.3 +0.7
ROSF	Rostrenen	1.98 275	ePn	Pn	03 28 00.5 +1.1
ROSF	Rostrenen	1.98 275	eSg	Sn	03 28 20.5 -0.7
ROSF	Rostrenen	1.98 275	eSg	Sb	03 28 26.0 +2.1
ROSF	comp=E,118nm,0.4s,SNR=1.0		ePn	Pn	03 27 57.3 +0.7
ROSF	Rostrenen	1.98 275	ePn	Pn	03 27 57.3 +0.7
ROSF	Rostrenen	1.98 275	ePn	Pb	03 28 00.5 +1.1
ROSF	Rostrenen	1.98 275	eSg	Sn	03 28 20.5 -0.7
ROSF	Rostrenen	1.98 275	eSg	Sb	03 28 26.0 +2.1
ROSF	comp=E,59nm,0.4s,SNR=1.0		eP	Pb	03 28 03.4 +0.2
HYF	Humbigny	2.20 114	eP	Pb	03 28 06.0 +0.1
HYF	Humbigny	2.20 114	ePg	Pg	03 28 28.0 +1.3
HYF	Humbigny	2.20 114	eSg	Sg	03 28 06.0 +0.1
HYF	Humbigny	2.20 114	ePn	Pn	03 28 28.0 +1.3
HYF	Humbigny	2.20 114	ePn	Pb	03 28 06.2 +1.3
TCF	Toulx Ste Croi	2.58 137	ePn	Pn	03 28 06.2 +1.3
TCF	Toulx Ste Croi	2.58 137	ePg	Pg	03 28 36.9 +0.9
TCF	Toulx Ste Croi	2.58 137	eSg	Sn	03 28 47.0 +0.5
TCF	comp=E,19nm,0.3s		ePn	Pn	03 28 06.2 +1.3
TCF	Toulx Ste Croi	2.58 137	eSg	Sg	03 28 47.0 +0.5
TCF	Toulx Ste Croi	2.58 137	ePn	Pn	03 28 06.2 +1.3
TCF	Toulx Ste Croi	2.58 137	ePg	Pg	03 28 36.9 +0.9
TCF	Toulx Ste Croi	2.58 137	eSg	Sg	03 28 47.0 +0.5
TCF	comp=E,9.5nm,0.3s		ePn	Pn	03 28 06.8 +0.5
HMXN	Herstouneuc	2.69 9	eP	Pn	03 28 56.0
HMXN	Herstouneuc	2.69 9	eP	Pn	03 28 56.0
HMXN	comp=N,118nm,0.3s		IAML		03 28 58.6
HMXN	Herstouneuc	2.69 9	eP	Pn	03 28 06.8 +0.5
HMXN	Herstouneuc	2.69 9	eP	Pn	03 28 56.0
HMXN	comp=N,118nm,0.3s		IAML		03 28 58.6
HMXN	Herstouneuc	2.69 9	eP	Pn	03 28 06.8 +0.5
HMXN	BGF Bois d'Agland	2.71 127	ePn	Pn	03 28 08.1 +1.4
BGF	Bois d'Agland	2.71 127	ePg	Pg	03 28 15.2 -0.3
BGF	Bois d'Agland	2.71 127	eSg	Sn	03 28 40.1 +0.9
BGF	comp=E,80nm,0.3s		ePn	Pn	03 28 08.1 +1.4
BGF	Bois d'Agland	2.71 127	ePg	Pg	03 28 15.2 -0.3
BGF	Bois d'Agland	2.71 127	eSg	Sn	03 28 40.1 +0.9
SSF	Saint Saulge	2.83 113	ePn	Pn	03 28 09.6 +1.4
SSF	Saint Saulge	2.83 113	ePg	Pg	03 28 17.5 -0.3
SSF	Saint Saulge	2.83 113	eSg	Sg	03 28 42.7 +0.7
SSF	comp=E,42nm,0.4s		eSg	Sg	03 28 54.9 +0.5
SSF	Saint Saulge	2.83 113	ePn	Pn	03 28 09.6 +1.4
SSF	Saint Saulge	2.83 113	ePg	Pg	03 28 17.5 -0.3
SSF	Saint Saulge	2.83 113	eSg	Sg	03 28 42.7 +0.7
SSF	comp=E,21nm,0.4s		eSg	Sg	03 28 54.9 +0.5
SSF	comp=E,14nm,0.3s		ePn	Pn	03 28 10.0 +1.3
AVF	Avril sur Loir	2.86 119	ePn	Pn	03 28 10.0 +1.3
AVF	Avril sur Loir	2.86 119	ePg	Pg	03 28 17.8 -0.6
AVF	Avril sur Loir	2.86 119	eSg	Sn	03 28 43.6 +0.7
AVF	Avril sur Loir	2.86 119	ePn	Pn	03 28 10.0 +1.3
AVF	Avril sur Loir	2.86 119	ePg	Pg	03 28 17.8 -0.6
AVF	Avril sur Loir	2.86 119	eSg	Sn	03 28 43.6 +0.7
LOR	Lormes	2.97 107	ePn	Pn	03 28 11.3 +1.1
LOR	Lormes	2.97 107	ePg	Pg	03 28 20.2 -0.3
LOR	Lormes	2.97 107	eSg	Sn	03 28 46.1 +0.5
LOR	comp=E,46nm,0.3s,baz=281		ePn	Pn	03 28 11.4 +1.1
LOR	Lormes	2.97 107	Pg	Pg	03 28 20.2 -0.3
LOR	Lormes	2.97 107	Sg	Sb	03 28 55.4 +3.1
LOR	Lormes	2.97 107	eSg	Sn	03 28 59.9 +1.0
LOR	Lormes	2.97 107	ePn	Pn	03 28 11.3 +1.1
LOR	comp=N,118nm,0.3s		eSg	Sn	03 28 46.1 +0.5
LOR	Lormes	2.97 107	Pn	Pn	03 28 11.4 +1.1
LOR	Lormes	2.97 107	Pg	Pg	03 28 20.2 -0.3
LOR	Lormes	2.97 107	Sg	Sb	03 28 55.4 +3.1
LOR	Lormes	2.97 107	eSg	Sn	03 28 59.9 +1.0
LOR	Lormes	2.97 107	ePn	Pn	03 28 11.3 +1.1
LOR	comp=N,118nm,0.3s		eSg	Sn	03 28 46.1 +0.5
RJF	Les Rejaudoux	3.17 156	ePn	Pn	03 28 13.9 +0.9
RJF	Les Rejaudoux	3.17 156	ePg	Pg	03 28 23.5 -0.9
RJF	Les Rejaudoux	3.17 156	eSg	Sn	03 28 49.6 -1.0
RJF	comp=E,4.6nm,0.3s,SNR=1.0		eSg	Sg	03 29 05.1 -0.3
RJF	Signal de Mont	3.23 118	ePn	Pn	03 28 15.0 +1.3
RJF	Signal de Mont	3.23 118	ePg	Pg	03 28 24.5 -0.9
RJF	Signal de Mont	3.23 118	eSg	Sn	03 28 52.5 +0.6
RJF	comp=E,7.6nm,0.4s		eSg	Sg	03 29 07.6 +0.4
RJF	Signal de Mont	3.23 118	ePn	Pn	03 28 15.0 +1.3
RJF	Signal de Mont	3.23 118	ePg	Pg	03 28 24.5 -0.9
RJF	Signal de Mont	3.23 118	eSg	Sn	03 28 52.5 +0.6
RJF	comp=E,3.8nm,0.3s		eSg	Sg	03 29 07.6 +0.4
RJF	Yadworthy	3.25 315	eP	Pn	03 28 14.1 +0.1
RJF	Yadworthy	3.25 315	eP	Pn	03 29 08.9
RJF	Yadworthy	3.25 315	eP	Pn	03 28 14.1 +0.1
RJF	Yadworthy	3.25 315	eP	Pn	03 29 08.9
RJF	comp=N,11nm,0.4s		IAML		03 29 08.9
RJF	Yadworthy	3.25 315	Pg	Pn	03 28 14.2 +0.1
RJF	Yadworthy	3.25 315	Pg	Pn	03 28 14.1 +0.1
RJF	Yadworthy	3.25 315	Pg	Pn	03 28 16.6 +1.1
RJF	La Frestale	3.36 167	ePn	Pn	03 28 28.2 +0.3
RJF	La Frestale	3.36 167	ePg	Pg	03 28 54.6 -0.5
RJF	La Frestale	3.36 167	ePg	Pg	03 29 10.7 -0.7
RJF	comp=E,25nm,0.2s,SNR=1.0		ePn	Pn	03 28 16.6 +1.1
RJF	La Frestale	3.36 167	ePg	Pg	03 28 28.2 +0.3
RJF	La Frestale	3.36 167	ePg	Pg	03 28 54.6 -0.5
RJF	La Frestale	3.36 167	ePg	Pg	03 29 10.7 -0.7
RJF	comp=E,13nm,0.2s,SNR=1.0		eSg	Sg	03 29 10.7 -0.7
RJF	Baives	3.49 56	ePn	Pn	03 28 17.7 +0.3
RJF	Baives	3.49 56	ePn	Pn	03 28 29.5 -1.0
RJF	Baives	3.49 56	ePn	Pn	03 28 57.7 -0.7
RJF	comp=N,1.0		eSg	Sg	03 29 13.7 -2.0
RJF	Baives	3.49 56	ePn	Pn	03 28 17.7 +0.3
RJF	Baives	3.49 56	ePn	Pn	03 28 29.5 -1.0
RJF	Baives	3.49 56	ePn	Pn	03 28 57.7 -0.7
RJF	comp=E,8.8nm,0.2s,SNR=1.0		eSg	Sg	03 29 13.7 -2.0
RJF	Baives	3.49 56	ePn	Pn	03 28 17.7 +0.3
RJF	Baives	3.49 56	ePn	Pn	03 28 29.5 -1.0
RJF	Baives	3.49 56	ePn	Pn	03 28 57.7 -0.7
RJF	comp=E,4.4nm,0.2s,SNR=1.0		eSg	Sg	03 29 13.7 -2.0
RJF	Sextontaines	3.58 88	ePn	Pn	03 28 20.2 +1.7
RJF	Sextontaines	3.58 88	ePg	Pg	03 28 32.1 0.0
RJF	comp=N,1.0		eSg	Sg	03 29 00.4 -0.1
RJF	Sextontaines	3.58 88	ePn	Pn	03 28 20.2 +1.7
RJF	Sextontaines	3.58 88	ePg	Pg	03 28 32.1 0.0
RJF	comp=N,1.0		eSg	Sg	03 29 00.4 -0.1
RJF	comp=E,12nm,0.2s,baz=265		eSg	Sg	03 29 17.9 -0.5
RJF	Maizieres J'vi	3.59 83	ePn	Pn	03 28 19.8 +1.1
RJF	Maizieres J'vi	3.59 83	ePn	Pn	03 28 31.7 -0.6
RJF	comp=E,28nm,0.3s,baz=265,SNR=1.0		eSg	Sg	03 29 00.8 +0.1
RJF	Maizieres J'vi	3.59 83	ePn	Pn	03 28 19.8 +1.1
RJF	Maizieres J'vi	3.59 83	ePn	Pn	03 28 31.7 -0.6
RJF	comp=N,1.0		eSg	Sg	03 29 00.8 +0.1
RJF	Maizieres J'vi	3.59 83	ePn	Pn	03 28 19.8 +1.1
RJF	Maizieres J'vi	3.59 83	ePn	Pn	03 28 31.7 -0.6
RJF	comp=N,1.0		eSg	Sg	03 29 00.8 +0.1
RJF	comp=E,14nm,0.3s,baz=265,SNR=1.0		ePn	Pn	03 28 20.6 +0.7
RJF	Calviac	3.68 153	ePg	Pg	03 28 33.4 -0.6
RJF	Calviac	3.68 153	ePg	Pg	03 29 00.9 -2.1
RJF	comp=E,4.9nm,0.2s		eSg	Sg	03 29 21.4 -0.2
RJF	Calviac	3.68 153	ePn	Pn	03 28 20.6 +0.7
RJF	Calviac	3.68 153	ePn	Pn	03 28 33.4 -0.6
RJF	Calviac	3.68 153	ePn	Pn	03 29 00.9 -2.1
RJF	comp=E,2.5nm,0.2s		eSg	Sg	03 29 21.4 -0.2
RJF	Carmenellis	3.78 303	Pg	Pn	03 28 21.5 +0.1
RJF	Givet	3.86 59	ePn	Pn	03 28 23.5 +1.0
RJF	Givet	3.86 59	ePg	Pg	03 28 36.7 -0.8
RJF	Givet	3.86 59	eSg	Sn	03 29 04.7 -2.8
RJF	comp=N,1.0		eSg	Sg	03 29 26.2 -1.3
RJF	Givet	3.86 59	ePn	Pn	03 28 23.5 +1.0
RJF	Givet	3.86 59	ePg	Pg	03 28 36.7 -0.8
RJF	Givet	3.86 59	eSg	Sn	03 29 26.2 -1.3
RJF	comp=E,11nm,0.4s		ePn	Pn	03 28 24.7 +0.6
RJF	Fort de Pagny	4.04 83	ePn	Pn	03 28 25.8 +0.9
RJF	Fort de Pagny	4.04 83	ePn	Pn	03 29 11.1 -0.7
RJF	comp=N,1.0		eSg	Sg	03 29 32.4 -0.7
RJF	Fort de Pagny	4.04 83	ePn	Pn	03 28 25.8 +0.9
RJF	Fort de Pagny	4.04 83	ePn	Pn	03 29 11.1 -0.7
RJF	comp=N,1.0		eSg	Sg	03 29 32.4 -0.7
RJF	comp=E,8.9nm,0.4s		ePn	Pn	03 28 31.3 +0.5
RJF	Haudompre	4.46			

MK01	Makanchi Array	52.02 300 eP	P	03 38 10.9 -2.6
HWUT	Hardware Ranch	52.02 69 eP	P	03 38 14.6 +0.7
R11A	Troy Canyon, C	52.06 75 eP	P	03 38 14.8 +0.7
MAK2	Makanchi	52.15 300 eP	P	03 38 12.5 -2.0
MAK2	Makanchi	52.15 300 eP	P	03 38 12.5 -2.0
DUG	Dugway, Toeole	52.32 72 P	P	03 38 11.7 -4.3
DUG	Dugway, Toeole	52.32 72 eP	P	03 38 17.6 +1.6
DUG	Dugway, Toeole	52.32 72 eP	P	03 38 17.6 +1.6
DUG	Dugway, Toeole	52.32 72 eP	P	03 38 17.6 +1.6
BW06	Boulder Array	52.33 67 P	P	03 38 12.4 -3.8
BW06	Boulder Array	52.33 67 eP	P	03 38 17.0 +0.8
PD31	Pinedale Array	52.33 67 eP	P	03 38 16.9 +0.7
PDAR	Pinedale Array	52.33 67 P	P	03 38 16.2 0.0
PDAR	Pinedale Array	52.33 67 eP	P	03 38 16.2 0.0
MPMC	Manauw Prospec	52.58 78 P	P	03 38 09.6 -8.4
FURC	Furnace Creek	52.65 78 P	P	03 38 12.0 -6.3
TPNV	Topopah Spring	52.66 77 eP	P	03 38 19.3 +0.7
TPNV	Topopah Spring	52.66 77 eP	P	03 38 19.3 +0.7
PSUT	Pine Spring	52.90 74 eP	P	03 38 23.0 +2.6
BVAR	Borovoye Array	53.36 312 P	P	03 38 22.0 -1.2
ARAO	ARCESS Array S	53.39 345 eP	P	03 38 22.0 -1.3
ARCES	ARCESS Array B	53.39 345 P	P	03 38 22.0 -1.3
BRVK	Borovoye	53.39 312 eP	P	03 38 22.5 -1.0
BRVK	Borovoye	53.39 312 dP	P	03 38 22.5 -1.0
GSC	Goldstone, Bar	53.51 79 P	P	03 38 17.5 -7.3
GSC	Goldstone, Bar	53.51 79 eP	P	03 38 25.5 +0.7
GSC	Goldstone, Bar	53.51 79 eP	P	03 38 25.5 +0.7
PASC	Pasadena Art C	53.53 81 eP	P	03 38 28.8 +3.9
TMUT	Trail Mountain	53.84 71 eP	P	03 38 30.0 +2.6
CCUT	Cedar City	53.87 74 eP	P	03 38 29.1 +1.6
MDND	Maddock	53.94 56 P	P	03 38 18.7 -9.0
MDND	Maddock	53.94 56 eP	P	03 38 28.4 +0.8
CIAC	Catalina I, Ai	53.95 81 eP	P	03 38 18.8 -9.2
K22A	Casper	54.03 65 P	P	03 38 24.2 -4.4
ULM	Lac du Bonnet	54.03 52 P	P	03 38 28.2 -0.1
ULM	Lac du Bonnet	54.03 52 eP	P	03 38 28.7 +0.4
ULM	Lac du Bonnet	54.03 52 eP	P	03 38 28.7 +0.4
Q16A	Castle Valley	54.12 72 eP	P	03 38 30.6 +1.3
P18A	Preston Nutter	54.18 70 eP	P	03 38 32.2 +2.7
MTPU	Mount Iron	54.18 73 eP	P	03 38 32.5 +2.5
RSSD	Black Hills	54.30 62 P	P	03 38 25.3 -5.3
RSSD	Black Hills	54.30 62 eP	P	03 38 30.9 +0.2
RSSD	Black Hills	54.30 62 eP	P	03 38 30.9 +0.2
LCMT	Little Creek	54.31 75 eP	P	03 38 32.1 +1.4
SRU	San Rafael Swe	54.34 71 eP	P	03 38 32.0 +1.1
SRU	San Rafael Swe	54.34 71 eP	P	03 38 32.0 +1.1
GMRG	Granite Mounta	54.54 78 eP	P	03 38 31.1 -1.2
KNB	Kanab	54.55 74 eP	P	03 38 33.9 +1.5
KNB	Kanab	54.55 74 eP	P	03 38 33.9 +1.5
U15A	North Rim	55.27 74 eP	P	03 38 38.8 +1.0
SFJD	Kangerlussuaq	55.27 18 LR	LR	04 03 30.8
IRM	Iron Mountain	55.28 78 P	P	03 38 29.6 -8.1
W13A	Hualapai Mount	55.32 77 eP	P	03 38 38.7 +0.6
AGMN	Agassiz Nant	55.41 54 eP	P	03 38 38.9 +0.6
PV09	Paradox Valley	55.54 71 eP	P	03 38 41.6 +1.8
PV21	Cone Mtn., Par	55.59 70 eP	P	03 38 41.7 +1.7
PV23	Carpenter Ridg	55.64 70 eP	P	03 38 41.4 +0.9
ARU	Arti	55.66 321 P	P	03 38 38.9 -1.0
ARU	Arti	55.66 321 eP	P	03 38 38.7 -1.2
ARU	Arti	55.66 321 iP	P	03 38 38.8 -1.2
PV14	Lion Creek, Pa	55.69 71 eP	P	03 38 41.8 +1.0
PV22	Blue Mesa, Par	55.71 70 eP	P	03 38 42.0 +1.2
PV17	East Wray Mesa	55.79 71 eP	P	03 38 42.3 +0.8
PV16	Nyswonger Mesa	55.80 71 eP	P	03 38 43.1 +1.6
PRGR	Permogore	55.81 331 eP	P	03 38 40.0 -0.9
PV11	David Mesa, Pa	55.83 71 eP	P	03 38 42.8 +1.1
PV18	Skein Mesa, Pa	55.85 71 eP	P	03 38 43.0 +1.1
PV12	Saucer Basin	55.85 70 eP	P	03 38 42.8 +0.9
PV03	Paradox Valley	55.87 71 eP	P	03 38 42.7 +0.7
PV13	Radium Mtn., P	55.96 71 eP	P	03 38 43.5 +0.8
PV02	Paradox Valley	55.97 71 eP	P	03 38 44.8 +2.0
PV01	Paradox Valley	56.11 70 eP	P	03 38 46.8 +3.0
SMCO	Snowmass	56.24 68 eP	P	03 38 45.6 +0.7
B35A	Bob, Littlefor	56.36 53 P	P	03 38 41.1 -4.0
WUAZ	Wupatki	56.44 75 eP	P	03 38 47.1 +1.0
ISCO	Idaho Springs	56.53 67 eP	P	03 38 43.9 -2.9
ISCO	Idaho Springs	56.53 67 eP	P	03 38 47.9 +1.1
ISCO	Idaho Springs	56.53 67 eP	P	03 38 47.9 +1.1
Y14A	Wickenburg	56.66 77 eP	P	03 38 48.1 +0.6
C35A	Jirak Farms, M	56.72 53 P	P	03 38 42.4 -5.3
G32A	Webster	56.80 57 P	P	03 38 43.2 -5.0
MVCO	Mesa Verde	56.82 71 P	P	03 38 42.4 -6.4
MVCO	Mesa Verde	56.82 71 eP	P	03 38 48.3 -0.5

D35A	Remer	57.14 54 P	P	03 38 45.2 -5.4
X16A	Lo Mia Camp, P	57.20 76 eP	P	03 38 53.1 +1.6
S22A	4UR Ranch, Cre	57.35 70 P	P	03 38 50.8 -1.8
S22A	4UR Ranch, Cre	57.35 70 eP	P	03 38 54.2 +1.6
E35A	Pequot Lakes	57.35 54 P	P	03 38 44.4 -7.8
G33A	Ortonville	57.36 57 P	P	03 38 47.7 -4.5
H32A	Carlson Farm,	57.37 58 P	P	03 38 43.7 -8.6
F34A	Alexandria	57.50 56 P	P	03 38 45.3 -7.9
C37A	Embarrass	57.53 52 P	P	03 38 44.1 -9.4
OGNE	Ogallala	57.60 64 P	P	03 38 47.1 -7.0
W18A	Petrified Fore	57.65 74 P	P	03 38 47.9 -6.7
EYMN	Ely	57.69 52 P	P	03 38 48.0 -6.5
EYMN	Ely	57.69 52 eP	P	03 38 54.3 -0.3
F35A	Guanville	57.78 55 P	P	03 38 49.0 -6.2
D37A	Cotton	57.84 53 P	P	03 38 48.4 -7.2
E36A	McGregor	57.92 54 P	P	03 38 48.3 -7.8
C38A	Sawbill Land.	57.96 52 P	P	03 38 47.6 -8.9
KLMR	Klimovskoe	58.11 333 eP	P	03 38 55.4 -1.9
KLMR	Klimovskoe	58.11 333 eP	P	03 38 55.4 -1.9
F36A	Milaca	58.27 54 P	P	03 38 51.9 -6.8
ECSD	EROS Data Cent	58.34 58 P	P	03 38 50.3 -8.8
ECSD	EROS Data Cent	58.34 58 eP	P	03 38 58.7 -0.4
H35A	Sunnyside Ranc	58.50 56 P	P	03 38 52.2 -8.1
E38A	The Farm, Brul	58.65 53 P	P	03 38 53.9 -7.3
FRU	Bishkek	58.67 301 eP	P	03 38 02.0 +0.5
F38A	Pierce - Schro	58.98 53 P	P	03 38 55.0 -8.6
H36A	Jesseland, He	59.03 56 P	P	03 38 59.2 -4.7
SPMN	Marine on St.	59.09 55 P	P	03 38 56.8 -7.5
T25A	Trinidad	59.10 68 P	P	03 38 58.6 -6.2
T25A	Trinidad	59.10 68 eP	P	03 39 05.8 +0.9
BGNE	Belgrade	59.27 61 P	P	03 39 02.8 -2.9
E39A	Mellen	59.28 52 P	P	03 39 02.3 -3.3
I36A	Fitzsimmons Fa	59.40 56 P	P	03 39 01.1 -5.4
F39A	Loretta	59.46 53 P	P	03 39 03.7 -3.2
H37A	Dierke Farm, C	59.51 55 P	P	03 39 01.3 -5.9
E40A	Wakfield	59.53 52 P	P	03 39 01.1 -6.3
G38A	Ridgeland	59.58 54 P	P	03 39 02.4 -5.3
TASM	ASL Pad, Albuq	59.59 72 P	P	03 39 01.2 -7.0
ANMO	Albuquerque	59.60 72 LR	LR	04 02 38.1
ANMO	Albuquerque	59.60 72 eP	P	03 39 08.5 +0.3
ANMO	Albuquerque	59.60 72 eP	P	03 39 07.7 -0.5
TASL	Snake Pit, Alb	59.60 72 P	P	03 38 59.3 -9.0
D41A	Chassel	59.68 51 P	P	03 39 04.4 -4.0
I37A	Lemond, Waseca	59.70 56 P	P	03 39 04.3 -4.3
I37A	Lemond, Waseca	59.70 56 eP	P	03 39 08.9 +0.4
J36A	Seneca I, Swea	59.75 57 P	P	03 39 05.1 -3.8
J36A	Seneca I, Swea	59.75 57 eP	P	03 39 08.9 0.0
F40A	Park Falls	59.83 52 P	P	03 39 04.6 -4.8
E41A	Kenton	59.95 51 P	P	03 39 03.9 -6.4
G40A	Rib Lake	60.28 53 P	P	03 39 07.4 -5.1
CBKS	Cedar Bluff	60.36 64 P	P	03 39 07.8 -5.5
CBKS	Cedar Bluff	60.36 64 eP	P	03 39 13.0 -0.3
CBKS	Cedar Bluff	60.36 64 eP	P	03 39 13.0 -0.3
KSH	Kashi	60.42 297 P	P	03 39 16.4 +2.7
KSH	Kashi	60.42 297 eP	P	03 40 02.4 +4.0
KSH	Kashi	60.42 297 eP	P	03 41 31.4 +4.8
KSH	Kashi	60.42 297 eP	P	03 47 25.2 -2.0
KSH	Kashi	60.42 297 eP	P	03 40 01.5 -1.1
AKTO	Aktubinsk	60.46 317 P	P	03 39 12.4 -1.3
AKTO	Karatay Array	60.49 304 eP	P	03 39 12.7 -1.3
KK31	Karatay Array	60.49 304 eP	P	03 39 12.7 -1.3
KKAR	Karatay Array	60.49 304 eP	P	03 39 12.7 -1.3
KKAR	Karatay Array	60.49 304 eP	P	03 39 12.7 -1.3
K37A	Belmond	60.51 57 P	P	03 39 11.2 -3.0
ABKAR	Akbulak array S	60.59 315 eP	P	03 39 13.2 -1.3
FAIO	FINESS Array S	60.66 340 eP	P	03 39 13.4 -1.4
FAIO	FINESS Array S	60.66 340 eP	P	03 39 13.4 -1.4
FINES	FINESS Array B	60.66 340 eP	P	03 39 13.4 -1.4
FINES	FINESS Array B	60.66 340 eP	P	03 39 13.4 -1.4
J38A	Wedel Dairy, R	60.66 56 P	P	03 39 12.1 -3.1
G42A	Mountain	61.12 52 P	P	03 39 16.7 -1.5
I40A	Norwalk	61.12 54 P	P	03 39 16.6 -1.6
F43A	Flat Rock, Esc	61.24 51 P	P	03 39 17.2 -1.9
L38A	Oak Wood Farm,	61.31 57 P	P	03 39 15.7 -3.9
K39A	Olwein	61.41 56 P	P	03 39 17.6 -2.7
J40A	Solars Grove	61.44 55 P	P	03 39 17.4 -3.0
SKNT	Sakolnakor	61.69 259 P	P	03 39 22.6 +0.2
N37A	Lee Faris, Mou	61.74 59 P	P	03 39 14.8 -7.7
N37A	Lee Faris, Mou	61.74 59 eP	P	03 39 22.5 0.0
L39A	Vinton	61.80 56 P	P	03 39 15.3 -7.5
J41A	Loganville	61.81 54 P	P	03 39 18.3 -4.6
I42A	Draeger Farm,	61.92 53 P	P	03 39 16.3 -7.4
O37A	Wolfen Farm, M	62.22 59 P	P	03 39 21.0 -4.7

L40A	Anamosa	62.22 56 P	P	03 39 18.7 -7.0
K41A	Shullsburg	62.24 55 P	P	03 39 24.3 -1.6
J42A	Columbus	62.26 54 P	P	03 39 22.0 -3.9
I43A	Langenfeld Bro	62.28 53 P	P	03 39 18.7 -7.4
L41A	Preston	62.56 55 P	P	03 39 24.2 -3.7
K42A	Prairie Point,	62.57 54 P	P	03 39 24.7 -3.3
MNTX	Cornudas Mount	62.62 73 eP	P	03 39 29.1 +0.6
LAMP	Lampang	62.97 264 P	P	03 39 35.1 +4.1
L42A	Oliver, Polo	63.01 55 P	P	03 39 27.5 -3.4
M41A	Milian	63.07 56 P	P	03 39 23.1 -8.3
CMMT	Chiang Mai	63.14 265 P	P	03 39 34.8 +2.7
CHTO	Chiang Mai	63.14 265 eP	P	03 39 32.5 +0.4
CHTO	Chiang Mai	63.14 265 eP	P	03 39 32.5 +0.4
CHTO	Chiang Mai	63.14 265 P	P	03 39 34.8 +2.7
SIJL	Sorong	63.20 223 P	P	03 39 33.2 +0.7
NC20A	NORSAR Array S	63.23 348 eP	P	03 39 32.0 -0.2
NC40S	NORSAR Array S	63.27 348 eP	P	03 39 32.2 -0.2
O40A	La Belle	63.38 58 P	P	03 39 27.8 -5.6
NB201	NORSAR Array S	63.39 348 eP	P	03 39 33.0 -0.2
Q38A	Cooks Store, C	63.40 60 P	P	03 39 29.0 -4.6
NB2	NORSAR Subarra	63.41 348 P	P	03 39 32.4 -0.9
NOA	NORSAR Array B	63.41 348 LR	LR	04 06 40.1
CM31	Chiang Mai Arr	63.42 265 eP	P	03 39 33.9 -0.1
CMAR	Chiang Mai Arr	63.42 265 eP	P	03 39 33.9 -0.1
CM01	Chiang Mai Arr	63.44 265 eP	P	03 39 33.8 -0.3
L44A	Lake County Fo	63.71 54 P	P	03 39 28.4 -7.1
PBKT	Sadao Pong	63.74 262 P	P	03 39 39.3 +3.2
P40A	Paris	63.75 58 P	P	03 39 29.6 -6.3
P40A	Paris	63.75 58 eP	P	03 39 35.4 -0.5
R38A	Fenwick Farm,	63.84 61 P	P	03 39 29.5 -7.0
OBN	OBN	63.87 332 eP	P	03 39 34.1 -2.3
OBN	OBN	63.87 332 eP	P	03 41 55.1
OBN	OBN	63.87 332 eP	P	03 48 40.2 +3.0
WMOK	Wichita Mounta	63.93 66 P	P	03 39 30.1 -7.1
WMOK	Wichita Mounta	63.93 66 eP	P	03 39 37.1 -0.1
WMOK	Wichita Mounta	63.93 66 eP	P	03 39 37.1 -0.1
HFS	Hagfors	63.96 346 P	P	03 39 35.7 -1.2
Q40A	Laux Farm, Auc	64.14 59 P	P	03 39 30.4 -8.1
R39A	Chumby, Stover	64.18 60 P	P	03 39 32.9 -5.9

MIAR	Mount Ida	66.82	63	P	P	03 39 52.7	-3.1
MIAR	Mount Ida	66.82	63	eP	P	03 39 54.9	-0.9
MIAR	Mount Ida	66.82	63	eP	pmax	03 39 54.9	-0.9
Q47A	Bedord North L	66.95	55	P	P	03 39 54.8	-1.8
V42A	Cord	66.96	60	P	P	03 39 53.4	-3.3
W41B	Gary Mavity, V	67.01	61	P	P	03 39 54.9	-2.2
X40A	Basin Creek Fa	67.25	62	P	P	03 39 56.6	-1.9
O50A	Cable	67.31	52	P	P	03 39 56.5	-2.3
ERPA	Eric	67.36	49	P	P	03 39 57.3	-1.8
HBAR	Harrisburg	67.52	60	eP	P	03 39 59.7	-0.6
ACSO	Alum Creek Sta	67.53	52	P	P	03 39 51.4	-8.9
W71	Wyandotte Cave	67.57	55	P	P	03 39 53.2	-7.3
T46A	Princeton	67.73	57	P	P	03 39 55.3	-6.3
M54A	Oil Creek Stat	67.99	49	P	P	03 39 56.0	-7.2
S48A	Wiedeman Farm,	68.14	56	P	P	03 39 56.7	-7.4
T47A	Sharon Grove	68.16	57	P	P	03 40 01.1	-3.2
N54A	Moraine State	68.29	49	P	P	03 40 01.6	-3.5
140A	Cam and Jess,	68.30	64	P	P	03 40 00.3	-4.9
T48A	Bowling Green	68.41	56	P	P	03 40 00.1	-5.8
WVT	Waverly	68.48	58	P	P	03 40 04.2	-2.1
U47M	Clarksville	68.50	57	P	P	03 40 01.7	-4.7
V46A	Holladay	68.60	58	P	P	03 39 60.0	-7.1
U48A	Cassie Pea, Po	68.81	57	P	P	03 40 06.4	-2.0
T49A	Edmonton	68.83	56	P	P	03 40 05.2	-3.3
V47A	Nunnally	68.88	58	P	P	03 40 06.1	-2.7
OXF	Oxford	68.97	60	P	P	03 40 07.2	-2.2
OXF	Oxford	68.97	60	eP	P	03 40 09.2	-0.2
OXF	Oxford	68.97	60	eP	pmax	03 40 09.2	-0.2
SBUM	Sibu	69.12	243	eP	P	03 40 14.8	+4.3
U49A	Red Boiling Sp	69.18	56	P	P	03 40 04.7	-5.9
T50A	Nancy	69.23	55	P	P	03 40 03.9	-7.0
PLAL	Pickwick Lake	69.27	59	eP	P	03 40 10.7	-0.5
V48A	Smith Brothers	69.29	57	eP	P	03 40 11.1	-0.3
W47A	Westpoint	69.30	58	P	P	03 40 06.5	-4.9
MWCW	Mont Chateau	69.41	50	P	P	03 40 11.2	-0.9
V45A	Yeager Farm, C	69.42	60	P	P	03 40 07.1	-5.1
SSPA	Standing Stone	69.48	48	P	P	03 40 07.9	-4.5
W48A	Pulaski	69.71	58	P	P	03 40 12.9	-1.1
V49A	McMinnville	69.72	57	P	P	03 40 12.5	-1.5
X47A	Russelville	69.75	59	P	P	03 40 12.5	-1.7
V46A	Alison Springs	69.75	60	P	P	03 40 13.0	-1.2
AKASG	Malin Array Be	69.80	334	P	P	03 40 13.2	-1.0
AKBB	Malin Array S1	69.80	334	eP	P	03 40 13.2	-1.0
AKBB	Malin Array Si	69.80	334	eP	pmax	03 40 13.2	-1.0
KIEV	Kiev	69.81	334j	eP	pmax	03 40 13.2	-1.1
V50A	Pikeville	70.18	56	P	P	03 40 16.4	-0.5
145A	Houston Rentro	70.22	62	P	P	03 40 16.4	-0.7
TZTN	Tazewell	70.23	55	P	P	03 40 17.4	+0.3
V51A	Loudon	70.44	56	P	P	03 40 17.5	-0.9
W50A	Signal Mountai	70.46	57	P	P	03 40 18.1	-0.5
W50A	Signal Mountai	70.46	57	eP	P	03 40 18.1	-0.5
X49A	Woodville	70.51	58	P	P	03 40 18.0	-0.9
Z47A	Carrollton	70.69	60	P	P	03 40 17.8	-2.2
V52A	Sevierville	70.77	55	P	P	03 40 13.9	-6.5
Z48A	Northport	70.81	59	P	P	03 40 15.8	-4.8
TKL	Tuckaleechee C	70.83	55	LR	LR	04 13 11.8	
LRAL	Lakeview Retre	71.36	59	P	P	03 40 18.1	-6.0
Z49A	Columbiana	71.47	59	P	P	03 40 20.1	-4.6
W53A	Cullowhee	71.52	55	P	P	03 40 20.8	-4.4
X52A	Dahlonega	71.63	56	P	P	03 40 22.3	-3.3
KIV	Kislovodsk	71.67	322	eP	pmax	03 40 24.6	-1.3
KIV	Kislovodsk	71.67	322	eP	pmax	03 40 24.6	-1.3
Z50A	Ashland	71.72	58	P	P	03 40 20.8	-5.5
Z50A	Ashland	71.72	58	eP	P	03 40 25.4	-0.8
Y52A	Liburn	72.14	57	P	P	03 40 24.1	-4.7
150A	Eclectic	72.19	59	P	P	03 40 24.5	-4.5
KM5C	Kings Mountain	72.41	54	P	P	03 40 25.8	-4.6
OJC	Ojcow	72.42	340	eP	P	03 40 30.5	+0.3
OJC	Ojcow	72.42	340	eP	pmax	03 40 30.5	+0.3
Z52A	Williamson	72.52	57	P	P	03 40 26.6	-4.3
CLL	Collin	72.60	344	iP	P	03 40 31.1	-0.1
CLL	Collin	72.60	344	iP	P	03 40 31.1	-0.1
CRVS	Cervenica-Dubn	73.32	338	eP	pmax	03 40 35.9	+0.4
CRVS	Cervenica-Dubn	73.32	338	eP	pmax	03 40 35.9	+0.4
CRVS	Cervenica-Dubn	73.32	338	eP	P	03 40 35.9	+0.4
252A	Lumpkin	73.33	58	P	P	03 40 32.9	-2.9
LANS	Lipitovska Anna	73.50	339	eP	P	03 40 35.4	-1.2
LANS	Lipitovska Anna	73.50	339	eP	P	03 40 35.4	-1.2
BUR08	Bucovina Ar. S	73.64	335	eP	P	03 40 37.7	+0.2
BUR04	Bucovina Ar. S	73.66	335	eP	P	03 40 37.4	-0.2
BUR08	Bucovina Ar. S	73.66	335	iP	P	03 40 37.8	+0.2
BUR08	Bucovina Ar. S	73.66	335	iP	P	03 40 37.8	+0.2
TRPA	Tarpa	73.81	337	iP	P	03 40 37.0	-0.8
155A	Kite	73.93	56	P	P	03 40 36.3	-3.0
BIZ	Bicaz	74.07	334	iP	P	03 40 40.2	+0.3
254A	Abbeville	74.08	57	P	P	03 40 34.9	-5.3
MTN	Manton Dam	74.25	218	eP	P	03 40 44.4	+3.2

VYHS	Vyhne	74.26	340	eP	P	03 40 40.8	-0.2
VYHS	Vyhne	74.26	340	eP	pmax	03 40 40.8	-0.2
VYHS	Vyhne	74.26	340	eP	P	03 40 40.8	-0.2
KHC	Kasperske Hory	74.62	343	eP	P	03 40 43.6	-0.2
KHC	Kasperske Hory	74.62	343	eP	pP	03 40 43.8	-2.6
KHC	Kasperske Hory	74.62	343	eP	pmax	03 40 43.8	+0.7
KHC	Kasperske Hory	74.62	343	eP	P	03 40 43.8	+0.7
KHC	Kasperske Hory	74.62	343	eP	pmax	03 40 43.8	+0.7
GEC2	GERRSS Array S	74.87	343	eP	P	03 40 44.5	-0.2
GEC2	GERRSS Array S	74.87	343	eP	pmax	03 40 44.5	-0.2
GEC2	GERRSS Array S	74.87	343	eP	pmax	03 40 44.5	-0.2
GEC2	GERRSS Array S	74.87	343	eP	P	03 40 44.5	-0.2
GEC2	GERRSS Array S	74.87	343	eP	P	03 40 44.5	-0.2
GERES	GERRSS Array B	74.87	343	P	P	03 40 44.5	-0.2
GERES	GERRSS Array B	74.87	343	eP	P	03 40 44.8	+0.1
GERES	GERRSS Array B	74.87	343	eP	pmax	03 40 44.8	+0.1
GEAO	GERRSS Array S	74.88	343	eP	P	03 40 44.5	-0.3
DRGR	Drubeh	75.03	337	iP	P	03 40 45.2	-0.4
DRGR	Drubeh	75.03	337	iP	P	03 40 45.2	-0.4
CFR	Carcaliu	75.17	332	iP	P	03 40 46.1	-0.2
CFR	Carcaliu	75.17	332	iP	P	03 40 46.1	-0.2
CONA	Conrad Observa	75.38	341	iP	P	03 40 48.4	+0.8
MLR	Muntele Rosu	75.46	334	P	P	03 40 48.6	+0.5
MLR	Muntele Rosu	75.46	334	iP	P	03 40 48.6	+0.5
MLR	Muntele Rosu	75.46	334	iP	P	03 40 48.6	+0.5
VOIR	Voiron	75.73	334	iP	P	03 40 50.4	+0.7
VOIR	Voiron	75.73	334	iP	P	03 40 50.4	+0.7
MOA	Molin	75.74	343	P	P	03 40 46.4	-3.2
ARSA	Arzberg	76.09	342	P	P	03 40 49.5	-2.1
DZM	Mot Dzumac	76.30	182	eLR	LR	04 03 07.6	
BZS	Buzias	76.39	337	iP	P	03 40 52.5	-0.8
BZS	Buzias	76.39	337	iP	P	03 40 52.5	-0.8
557A	Orange Park	76.42	57	P	P	03 40 48.9	-4.8
KBA	Koelnbreinspre	76.64	343	eP	P	03 40 56.1	+1.2
SOKA	Sothoh	76.73	342	eP	P	03 40 56.2	+0.9
WTTA	Wattenberg	76.75	344	eP	P	03 40 53.8	-1.7
MOTA	Mossalm	76.75	345	eP	P	03 40 56.3	+0.8
OBKA	Obir	76.98	342	P	P	03 40 57.6	+0.8
ABTA	Abfaltersbach	77.11	343	P	P	03 40 57.5	0.0
FETA	Feichten	77.12	345	P	P	03 40 55.4	-2.3
DIVS	Divibare	78.20	338	eP	P	03 41 03.4	-0.2
BR101	Keskin Array S	78.52	326	eP	P	03 41 05.0	-0.5
BR131	Keskin Array S	78.52	326	eP	P	03 41 05.6	+0.1
BRTR	Keskin Array S	78.52	326	eP	P	03 41 05.0	-0.5
BRTR	Keskin Array B	78.52	326	eP	P	03 41 05.0	-0.5
VTS	Vitosa	78.86	335	iP	P	03 41 06.4	-0.9
VTS	Vitosa	78.86	335	iP	P	03 41 06.4	-0.9
ALN	Alexandroupoli	79.71	332	eP	P	03 41 12.0	+0.2
ALN	Alexandroupoli	79.71	332	eP	pmax	03 41 12.0	+0.2
WR1	Warramunga Arr	79.78	213	eP	P	03 41 12.4	+0.2
WRA	Warramunga Arr	79.78	213	P	P	03 41 12.4	+0.2
PDG	Podgorica	79.95	338	iP	P	03 41 11.6	-1.4
PP2T	Papeete	80.16	140	eLR	LR	04 05 41.6	
AS01	Alice Springs	83.39	212	eP	P	03 41 32.3	+1.1
AS31	Alice Springs	83.40	212	eP	P	03 41 35.5	+4.1
ASAR	Alice Springs	83.41	212	P	P	03 41 32.3	+0.9
JTP	Jimpingrande	83.61	338	iP	P	03 41 32.0	-0.5
TIP	Timpingrande	83.61	338	eP	P	03 41 33.0	+0.5
TBI	Tubuai	85.48	142	eLR	LR	04 08 07.7	
ES19	SONSECA Array	85.94	354	eP	P	03 41 45.0	+0.8
ESDC	Sonsec Array	85.97	354	eP	P	03 41 44.2	-0.1
STKA	Stevens Creek	89.16	203	eP	P	03 42 04.0	+4.6
STKA	Stevens Creek	89.16	203	eP	pmax	03 42 04.0	+4.6

NNC 10 03:31:45.7.2.4, 37.07N:70.41E, h0km, mb3.6, mpv3.2, 2C-3D, Error ellipse: s-maj=18.1km s-min=16.1km az=176.0, Afghanistan-Tajikistan border region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
SFK	Sufi-Kurgan	3.81 39	iP	h m s ISC	03 32 45.5 -0.4
SFK	Sufi-Kurgan	3.81 39	iP	h m s ISC	03 33 33.0 +1.5
MNAS	Manas	5.65 16	iP	Pn	03 33 11.1 +0.1
MNAS	Manas	5.65 16	iP	Pn	03 34 17.9 +1.2
KK31	Karatay Array	6.03 1	Pn	Pn	03 33 17.1 +1.0
KK31	Karatay Array	6.03 1	Pn	Pn	03 34 26.6 +0.8

CSEM 10 03:38:27.9, 35.62N:26.53E, h44km, ML1.8/3, ATH 10 03:38:27.9, 35.62N:26.53E, h44km, 5km, ML1.8/3, Error ellipse: s-maj=7.8km s-min=1.6km az=132.0, Crete

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
KARP	Karpathos	0.52 97	P	Pn	03 38 40.0 +0.9
KARP	Karpathos	0.52 97	S	Pn	03 38 46.8 -0.3
KARP	Karpathos	0.52 97	AML	AML	03 38 47.9
KARP	Karpathos	0.52 97	P	Pn	03 38 39.9 +0.8
KARP	Karpathos	0.52 97	S	Pn	03 38 47.6 +0.5
ZKR	Zakros	0.56 207	P	Pn	03 38 39.1 -0.5
ZKR	Zakros	0.56 207	S	Pn	03 38 49.9 +1.9
ZKR	Zakros	0.56 207	AML	AML	03 38 50.9
ZKR	Zakros	0.56 207	P	Pn	03 38 51.0
ZKR	Zakros	0.56 207	S	Pn	03 38 39.7 0.0
ZKR	Z				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HJHK Hiroka, JKT Kathashina, JKT Izumozaki, etc.

CSEM 10 04:04:33.2±0.2, 27.93N-17.94W, h10km, ML3.8, Error ellipse: s-maj=8.4km s-min=4.1km az=103.0

INMG 10 04:04:34.9±0.7, 27.62N-18.08W, h23km, 2km, ML3.5, Error ellipse: s-maj=4.2km s-min=3.2km az=62.0

PDA 10 04:04:35.2±0.7, 27.83N-18.16W, h20km, mb3.8

ISC 10 04:04:33.6±0.8, 27.89N-17.98W±0.06, h20km±6km, n27, c1518/39, Canary Islands region

Main station list for the first section, including CTIG El Hierro, CTAN El Hierro, CTAN El Hierro, etc.

ISCJB 10 04:06:52.7±0.1, 63.45N±0.02±149.41W±0.04, h15km±1km, mb4.0/30, Error ellipse: s-maj=3.1km

NEIC 10 04:06:54.3±0.0, 63.44N±149.39W, h104km, mb4.2/10, MW4.2, ML4.3(AEIC), Moment Tensor Solution, s=40

Moment tensor: scalar 1015N; Mw: 1.87; Mw±2.38; Mw±0.51; Mw-0.12; Mw±1.11; Mw±1.33; Best double couple: M2 800000±1015 Np1±318,00000±860,00000±1,129,00000±. NP2±679,00000±847,00000±1,43,00000±

Principal axes: T 2.7300, Plg566.0000±, Azm280.0000±; N 0.0900, Plg33.0000±, Azm116.0000±; P -2.8300, Plg7.0000±, Azm21.0000±; After AEIC.

NEIC FELT at Denali National Park, Fairbanks and North Pole. IDC 10 04:06:54.0±0.8, 63.56N±149.57W, h12km, mb3.8/23, mb1 3.9±26, mb1mx3.777, mbtmp4.126 Error ellipse: s-maj=1.41km s-min=1.05km az=28.0

ISC 10 04:06:54.0±0.5, 63.43N±0.03±149.42W±0.03, h11km±4km, h10km±Pp, n172, c1527/198, mb4.2/30, Central Alaska

Main station list for the second section, including MCK McKinley, TRF Thorofare Moun, HUR Hurricane, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAX Paxson, PAX Palmer, PAX Sheep Creek Mo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RDJH Redoubt Jeurge, GLB Gilahina Butte, HIN Hinchinbrook I, etc.

JMA 10 04:11:27.8±0.1, 38.95N±142.05E, h46km±1km, M3.5, Near east coast of eastern Honshu

Main station list for the third section, including OFUJ Ofunato, OFUJ Ichinoseki, JIO Ouri, etc.

IDC 10 04:16:25.0±3.1, 67.45N±127.17E, h415km±33km, mb3.1/3, mb1 2.9±6, mb1mx2.8/53, mbtmp3.76, Error ellipse: s-maj=54.6km s-min=12.6km az=65.0, Banda Sea

Main station list for the fourth section, including BATI Baunata, BATI Baunata, WRA Warramunga Arr, etc.

SFS 10 04:19:49.0, 33.98N±5.44W, h0km, ML4.1 IDC 10 04:19:50.6±2.3, 34.23N±4.97W, h0km, mb3.5/5, mb1 3.6/6, mb1mx3.3/63, mbtmp3.4/6, ML3.4/71, Error ellipse: s-maj=7.1, 1km s-min=12.5km az=89.0

MDD 10 04:19:51.9±0.7, 34.15N±5.34W, h0km±7km, mb4.3/27, Error ellipse: s-maj=4.5km s-min=4.4km az=106.0

CNRM 10 04:19:52.8, 34.06N±5.17W, h10km, ML3.7 CSEM 10 04:19:52.1±0.2, 34.16N±5.33W, h10km, mb4.3, Error ellipse: s-maj=4.1km s-min=3.4km az=70.0

ISCJB 10 04:19:52.0±3.4, 20N±0.2±5.41W±0.03, h27km±4km, mb3.6/4, Error ellipse: s-maj=4.0km s-min=3.1km az=42.8

INMG 10 04:19:53.3±1.1, 34.19N±5.25W, h12km±6km, MD3.0, ML2.8, Error ellipse: s-maj=3.4km s-min=2.2km az=79.0

IGIL 10 04:19:54.3, 34.20N±5.22W, h14km, ML2.7 ISC 10 04:19:53.1±1.0, 34.21N±0.03±5.28W±0.02, h19km±2km, n162, c1546/275, mb3.8/4, 1C-2D, Morocco

Main station list for the fifth section, including SICH Sidi Chahed, SICH Sarsar, SICH Sarsar, etc.

Main station list for the sixth section, including ZAA1 Zalesovo Array, ZAA0 Zalesovo Array, ZALV Zalesovo Beam, etc.

Main station list for the seventh section, including OFUJ Ofunato, OFUJ Ichinoseki, JIO Ouri, etc.

Main station list for the eighth section, including BATI Baunata, BATI Baunata, WRA Warramunga Arr, etc.

SFS 10 04:19:49.0, 33.98N±5.44W, h0km, ML4.1 IDC 10 04:19:50.6±2.3, 34.23N±4.97W, h0km, mb3.5/5, mb1 3.6/6, mb1mx3.3/63, mbtmp3.4/6, ML3.4/71, Error ellipse: s-maj=7.1, 1km s-min=12.5km az=89.0

MDD 10 04:19:51.9±0.7, 34.15N±5.34W, h0km±7km, mb4.3/27, Error ellipse: s-maj=4.5km s-min=4.4km az=106.0

CNRM 10 04:19:52.8, 34.06N±5.17W, h10km, ML3.7 CSEM 10 04:19:52.1±0.2, 34.16N±5.33W, h10km, mb4.3, Error ellipse: s-maj=4.1km s-min=3.4km az=70.0

ISCJB 10 04:19:52.0±3.4, 20N±0.2±5.41W±0.03, h27km±4km, mb3.6/4, Error ellipse: s-maj=4.0km s-min=3.1km az=42.8

INMG 10 04:19:53.3±1.1, 34.19N±5.25W, h12km±6km, MD3.0, ML2.8, Error ellipse: s-maj=3.4km s-min=2.2km az=79.0

IGIL 10 04:19:54.3, 34.20N±5.22W, h14km, ML2.7 ISC 10 04:19:53.1±1.0, 34.21N±0.03±5.28W±0.02, h19km±2km, n162, c1546/275, mb3.8/4, 1C-2D, Morocco

Main station list for the ninth section, including SICH Sidi Chahed, SICH Sarsar, SICH Sarsar, etc.

EMIJ	7.5nm,0.2s,SNR=7.9	S	Sn	04 21 00.7 +0.7
EMIJ	11nm,0.3s,SNR=7.9	P	Pn	04 20 30.3 -0.9
EMIJ	7.5nm,0.2s,SNR=7.9	P	Pn	04 21 00.7 +0.7
EMAL	11nm,0.3s,SNR=7.9	eP	Pn	04 20 36.2 +1.5
EMAL	Malaga-Limoner	eS	Pn	04 21 08.9 +2.8
ELGU	Los Guajares, 6.1nm,0.1s,SNR=7.9	P	Pn	04 20 39.1 -0.3
ELGU	18nm,0.3s,SNR=7.9	S	Sn	04 21 15.9 +1.3
ELGU	Los Guajares, 6.1nm,0.1s,SNR=7.9	P	Pn	04 20 39.1 -0.3
ELGU	18nm,0.3s,SNR=7.9	S	Sn	04 21 15.9 +1.3
EGOR	Sierra Gorda, 6.0nm,0.3s,SNR=7.9	P	Pn	04 20 41.6 +1.2
EGOR	18nm,0.3s,SNR=7.9	S	Sb	04 21 20.9 -2.7
EGOR	Sierra Gorda, 6.0nm,0.3s,SNR=7.9	P	Pn	04 20 41.6 +1.2
EGOR	18nm,0.3s,SNR=7.9	S	Sb	04 21 20.9 -2.7
EBER	Berja, 5.2nm,0.3s,SNR=7.9	P	Pn	04 20 44.1 0.0
EBER	23nm,0.4s,SNR=7.9	S	Sn	04 21 23.4 +0.3
EBER	Berja, 5.2nm,0.3s,SNR=7.9	P	Pn	04 20 44.1 0.0
EBER	23nm,0.4s,SNR=7.9	S	Sn	04 21 23.4 +0.3
EQUE	Quentar, 7.2nm,0.4s,SNR=13	P	Pn	04 20 46.4 +2.0
EQUE	7.2nm,0.3s	S	Sb	04 21 28.7 -3.5
EQUE	Quentar, 7.2nm,0.4s,SNR=13	P	Pn	04 20 46.4 +2.0
HORN	Hornachuelos, 3.63 0 P	Pn	Pn	04 20 49.7 +1.4
HORN	04 21 32.7 +3.1	Pn	Pn	04 20 49.1 -0.5
OUK	Oukaimeden, 3.70 217 P	Pn	Pn	04 20 49.1 -0.5
OUK	Oukaimeden, 3.70 217 P	Pn	Pn	04 20 49.8 +0.3
PBDV	Barranco-do-Ve, 3.71 325 ePn	Pn	Pn	04 21 32.9 +0.2
PBDV	11nm,0.4s	A	A	04 20 49.8 +0.3
PBDV	Barranco-do-Ve, 3.71 325 P	Pn	Pn	04 21 32.9 +0.2
PBDV	11nm,0.4s	S	Sn	04 20 49.8 +0.3
EMIN	Mina Concepcio, 4.2nm,0.2s,SNR=34	P	Pn	04 20 49.6 0.0
EMIN	2.8nm,0.1s	S	Sn	04 21 33.3 +0.4
EMIN	Mina Concepcio, 4.2nm,0.2s,SNR=34	P	Pn	04 20 49.6 0.0
EMIN	2.8nm,0.1s	S	Sn	04 21 33.3 +0.4
ENIJ	Nijar, 3.72 41 S	Sn	Sn	04 21 31.8 -1.2
GORA	Gorafe, 4.6nm,0.2s,SNR=7.9	P	Pn	04 20 54.1 +4.3
GORA	12nm,0.5s,SNR=7.9	S	Sn	04 21 37.4 +4.0
PVAQ	Vaqueiros, 3.75 329 ePn	Pn	Pn	04 20 50.3 +0.3
PVAQ	25nm,0.4s	A	A	04 21 32.7 -0.9
PVAQ	Vaqueiros, 3.75 329 P	Pn	Pn	04 20 50.3 +0.3
PVAQ	25nm,0.4s	S	Sn	04 21 32.7 -0.9
EGRO	EI Granado, 5.5nm,0.1s,SNR=17	P	Pn	04 20 50.6 +0.4
EGRO	11nm,0.2s	S	Sn	04 21 32.9 -1.1
EGRO	EI Granado, 5.5nm,0.1s,SNR=17	P	Pn	04 20 50.6 +0.4
EGRO	11nm,0.2s	S	Sn	04 21 32.9 -1.1
ECAB	EI Cabril, 4.9nm,0.2s,SNR=39	P	Pn	04 20 52.0 +0.5
ECAB	7.4nm,0.2s,SNR=6.5	S	Sn	04 21 37.4 +1.1
ECAB	EI Cabril, 4.9nm,0.2s,SNR=39	P	Pn	04 20 52.0 +0.5
ECAB	7.4nm,0.2s,SNR=6.5	S	Sn	04 21 37.4 +1.1
EADA	Adamuz, 3.2nm,0.1s,SNR=20	P	Pn	04 20 54.2 +0.9
EADA	5.4nm,0.2s	S	Sn	04 21 39.3 -0.2
EADA	Adamuz, 3.2nm,0.1s,SNR=20	P	Pn	04 20 54.2 +0.9
EADA	5.4nm,0.2s	S	Sn	04 21 39.3 -0.2
EQES	Quesada, 4.1nm,0.3s,SNR=23	P	Pn	04 20 55.2 +1.6
EQES	4.6nm,0.2s	S	Sn	04 21 45.3 +5.2
EQES	Quesada, 4.1nm,0.3s,SNR=23	P	Pn	04 20 55.2 +1.6
EQES	4.6nm,0.2s	S	Sn	04 21 45.3 +5.2
PCVE	Castro Verde, 4.08 328 ePn	Pn	Pn	04 20 54.9 +0.4
PCVE	15nm,0.3s	A	A	04 21 41.0 -0.7
PCVE	Castro Verde, 4.08 328 P	Pn	Pn	04 20 54.9 +0.4
PCVE	15nm,0.3s	S	Sn	04 21 41.0 -0.7
PFVI	Vila Bisbo, 4.10 316 ePn	Pn	Pn	04 20 56.7 +1.9
PFVI	7.1nm,0.3s	A	A	04 21 51.5
PFVI	Vila Bisbo, 4.10 316 P	Pn	Pn	04 20 56.5 +1.7
PFVI	11nm,0.2s,SNR=7.9	S	Sn	04 21 41.8 -0.4
PFVI	Vila Bisbo, 4.10 316 P	Pn	Pn	04 20 56.5 +1.7
PFVI	11nm,0.2s,SNR=7.9	S	Sn	04 21 41.8 -0.4
PFVI	11nm,0.2s,SNR=7.9	S	Sn	04 21 42.4 +0.2
MORF	Marletele, 4.13 319 eS	Pn	Pn	04 20 55.8 +0.6
MORF	28nm,0.2s	A	A	04 20 57.2 +2.0
MORF	Marletele, 4.13 319 ePn	Pn	Pn	04 21 42.3 -0.7
MORF	28nm,0.2s	A	A	04 20 55.8 +0.6
MORF	Marletele, 4.13 319 P	Pn	Pn	04 21 42.3 -0.7
MORF	28nm,0.2s	S	Sn	04 20 55.8 +0.6
MORF	Marletele, 4.13 319 ePn	Pn	Pn	04 20 57.2 +2.0
MORF	28nm,0.2s	S	Sn	04 21 42.3 -0.7
PBAR	Barrancos, 4.20 341 ePn	Pn	Pn	04 20 57.5 +1.3
PBAR	19nm,0.3s	A	A	04 21 44.3 -0.4
PBAR	Barrancos, 4.20 341 P	Pn	Pn	04 20 57.5 +1.3
PBAR	19nm,0.3s	S	Sn	04 21 44.3 -0.4
PBAR	Barrancos, 4.20 341 P	Pn	Pn	04 20 57.5 +1.3
PBAR	19nm,0.3s	S	Sn	04 21 44.3 -0.4
MESJ	Messejana, 4.33 328 eP	Pn	Pn	04 20 58.3 +0.3
MESJ	comp=N,15nm,0.3s	AML	AML	04 21 45.5 -2.5
MESJ	Messejana, 4.33 328 ePn	Pn	Pn	04 20 58.3 +0.3
MESJ	comp=N,15nm,0.3s	AML	AML	04 21 47.9 -0.1
MESJ	Messejana, 4.33 328 P	Pn	Pn	04 20 58.3 +0.3
MESJ	comp=N,15nm,0.3s	AML	AML	04 21 47.9 -0.1
MESJ	Messejana, 4.33 328 P	Pn	Pn	04 20 58.3 +0.3
MESJ	comp=N,15nm,0.3s	AML	AML	04 21 47.9 -0.1
PBEJ	Beja, 4.34 332 ePn	Pn	Pn	04 21 00.7 +2.6

PBEJ	Beja, 4.34 332 P	Pn	Pn	04 21 48.7 +0.5
PBEJ	comp=N,8.8nm,0.6s	eSn	Sn	04 21 53.7
PBEJ	Beja, 4.34 332 P	Pn	Pn	04 21 00.7 +2.6
PBEJ	comp=N,4.4nm,0.6s	eSn	Sn	04 21 48.7 +0.5
PTEO	Sao Teotonio, 4.34 321 ePn	Pn	Pn	04 20 58.4 +0.3
PTEO	comp=N,16nm,0.5s	A	A	04 21 47.8 -0.4
PTEO	Sao Teotonio, 4.34 321 P	Pn	Pn	04 20 58.4 +0.3
PTEO	comp=N,7.9nm,0.5s	A	A	04 21 47.8 -0.4
SESP	Santiago Espad, 4.49 29 P	Pn	Pn	04 21 02.3 +2.1
SESP	comp=N,7.0nm,0.4s,SNR=7.9	S	Sn	04 21 55.2 +3.2
SESP	Santiago Espad, 4.49 29 P	Pn	Pn	04 21 02.3 +2.1
SESP	comp=N,6.9nm,0.2s,SNR=7.9	S	Sn	04 21 55.2 +3.2
TTIG	Trine Tigouga, 4.53 217 P	Pn	Pn	04 20 58.6 -2.2
PNCL	Nicolau / Gran, 4.70 327 ePn	Pn	Pn	04 21 03.4 +0.5
PNCL	comp=N,8.1nm,0.2s	eSn	Sn	04 21 56.2 -0.7
PNCL	Nicolau / Gran, 4.70 327 ePn	Pn	Pn	04 21 03.4 +0.5
PNCL	comp=N,8.1nm,0.2s	eSn	Sn	04 21 56.2 -0.7
EBAD	Badajoz, 4.75 343 P	Pn	Pn	04 21 03.8 +0.2
EBAD	comp=N,6.5nm,0.1s,SNR=54	S	Sn	04 21 56.9 -1.2
EBAD	Badajoz, 4.75 343 P	Pn	Pn	04 21 03.8 +0.2
EBAD	comp=N,6.5nm,0.1s,SNR=54	S	Sn	04 21 56.9 -1.2
EVO	Evora, 4.84 334 ePn	Pn	Pn	04 21 05.3 +0.3
EVO	comp=N,8.2nm,0.2s	eSn	Sn	04 21 59.8 -0.7
EVO	Evora, 4.84 334 P	Pn	Pn	04 21 05.3 +0.3
EVO	comp=N,8.2nm,0.2s	eSn	Sn	04 21 59.8 -0.7
EVO	Evora, 4.84 334 P	Pn	Pn	04 21 05.3 +0.3
EVO	comp=N,9.4nm,0.3s	S	Sn	04 21 59.8 -0.7
EMUR	La Murta, 4.88 41 P	Pn	Pn	04 21 07.6 +2.0
EMUR	comp=N,1.5nm,0.3s,SNR=7.9	S	Sn	04 22 02.2 +0.6
EMUR	La Murta, 4.88 41 P	Pn	Pn	04 21 07.6 +2.0
EMUR	comp=N,1.5nm,0.3s,SNR=7.9	S	Sn	04 22 02.2 +0.6
PESTR	Estremoz, 5.00 339 ePn	Pn	Pn	04 21 08.0 +0.7
PESTR	comp=N,5.2nm,0.6s	eSn	Sn	04 22 10.2
PESTR	Estremoz, 5.00 339 P	Pn	Pn	04 21 07.9 +0.7
PESTR	comp=N,5.2nm,0.6s	eSn	Sn	04 22 10.2
ETOB	Tobarra, 5.35 33 P	Pn	Pn	04 21 14.1 +2.1
ETOB	comp=N,3.2nm,0.2s,SNR=16	S	Sn	04 22 14.7 +1.5
ETOB	Tobarra, 5.35 33 P	Pn	Pn	04 21 14.1 +2.1
ETOB	comp=N,3.2nm,0.2s,SNR=16	S	Sn	04 22 14.7 +1.5
PAB	San Pablo, 5.38 8 P	Pn	Pn	04 21 13.6 +1.2
PAB	comp=N,1.6nm,0.2s,SNR=7.9	S	Sn	04 22 10.4 -3.4
PAB	San Pablo, 5.38 8 P	Pn	Pn	04 21 13.6 +1.2
PAB	comp=N,1.6nm,0.2s,SNR=7.9	S	Sn	04 22 10.4 -3.4
PMTG	Montargil, 5.39 335 ePn	Pn	Pn	04 21 13.2 +0.7
PMTG	comp=N,6.6nm,0.4s	eSn	Sn	04 22 13.8 -0.3
PMTG	Montargil, 5.39 335 ePn	Pn	Pn	04 21 13.2 +0.7
PMTG	comp=N,6.6nm,0.4s	eSn	Sn	04 22 13.8 -0.3
PMRV	Marv??o, 5.47 343 ePn	Pn	Pn	04 21 14.3 +0.5
PMRV	comp=N,4.0nm,0.4s	eSn	Sn	04 22 15.0 -1.1
PMRV	Marv??o, 5.47 343 P	Pn	Pn	04 21 14.3 +0.5
PMRV	comp=N,4.0nm,0.4s	eSn	Sn	04 22 15.0 -1.1
ESDC	Sonsecia Array, 5.55 11 Pn	Pn	Pn	04 21 14.9 +0.2
ESDC	comp=N,0.5nm,0.3s,baz=196,slow=13,SNR=4.3	S	Sn	04 22 15.2 -2.9
ESDC	Sonsecia Array, 5.55 11 Pn	Pn	Pn	04 21 14.8 0.0
ESDC	comp=N,1.2nm,0.3s,baz=196,slow=22,SNR=5.6	S	Sn	04 22 16.8 -1.3
ESDC	Sonsecia Array, 5.55 11 Pn	Pn	Pn	04 21 14.8 0.0
ESDC	comp=N,0.6nm,0.2s,baz=197,slow=13,SNR=9.3	S	Sn	04 21 14.8 0.0
ALMR	Almeirim, 5.60 333 ePn	Pn	Pn	04 21 16.3 +0.9
ALMR	comp=N,16nm,0.5s	eSn	Sn	04 22 20.8
ALMR	Almeirim, 5.60 333 P	Pn	Pn	04 21 16.3 +0.9
ALMR	comp=N,16nm,0.5s	eSn	Sn	04 22 20.8
PMAFR	Mafrá, 5.72 327 ePn	Pn	Pn	04 21 17.7 +0.6
PMAFR	comp=N,14nm,0.3s	eSn	Sn	04 22 24.0
PMAFR	Mafrá, 5.72 327 P	Pn	Pn	04 21 17.8 +0.7
PMAFR	comp=N,14nm,0.3s	eSn	Sn	04 22 24.0
PMAFR	Mafrá, 5.72 327 ePn	Pn	Pn	04 21 17.7 +0.6
PMAFR	comp=N,7.0nm,0.3s,SNR=7.9	S	Sn	04 22 20.5 -1.7
PMAFR	Mafrá, 5.72 327 ePn	Pn	Pn	04 21 17.7 +0.6
PMAFR	comp=N,7.0nm,0.3s,SNR=7.9	S	Sn	04 22 20.5 -1.7
EPLA	Plasencia, 5.88 354 P	Pn	Pn	04 21 19.8 +0.6
EPLA	comp=N,3.7nm,0.2s,SNR=25	S	Sn	04 22 22.7 -3.3
EPLA	Plasencia, 5.88 354 P	Pn	Pn	04 21 19.8 +0.6
EPLA	comp=N,3.7nm,0.2s,SNR=25	S	Sn	04 22 22.7 -3.3
PCBR	Castelo Branco, 5.89 343 ePn	Pn	Pn	04 21 19.9 +0.6
PCBR	comp=N,3.0nm,0.3s	A	A	04 22 24.1 -2.1
PCBR	Castelo Branco, 5.89 343 P	Pn	Pn	04 21 19.9 +0.6
PCBR	comp=N,3.0nm,0.3s	A	A	04 22 24.1 -2.1
PTOM	Tomar, 5.95 336 P	Pn	Pn	04 21 21.2 +1.0
PTOM	comp=N,1.5nm,0.3s	eSn	Sn	04 21 21.2 +1.0
PTOM	Tomar, 5.95 336 P	Pn	Pn	04 21 21.2 +1.0
PTOM	comp=N,1.5nm,0.3s	eSn	Sn	04 21 21.2 +1.0
PCAS	Casmillo, Conde, 6.37 337 ePn	Pn	Pn	04 21 27.1 +1.1
PCAS	comp=N,0.4nm,0.2s,SNR=7.9	eSn	Sn	04 21 26.3 +0.1
PCAS	Casmillo, Conde, 6.37 337 P	Pn	Pn	04 21 27.1 +1.1
PCAS	comp=N,0.4nm,0.2s,SNR=7.9	eSn	Sn	04 21 26.3 +0.1
ECHE	Chera, 6.38 32 P	Pn	Pn	04 21 27.4 +0.5
ECHE	comp=N,0.4nm,0.2s,SNR=7.9	eSn	Sn	04 22 44.1
ECHE	Chera, 6.38 32 P	Pn	Pn	04 21 27.4 +0.5
ECHE	comp=N,0.4nm,0.2s,SNR=7.9	eSn	Sn	04 22 44.1
MTE	Manteigas, 6.43 344 ePn	Pn	Pn	04 21 27.4 +0.5
MTE	comp=N,3.7nm,0.7s	A	A	04 22 38.5 -1.3
MTE	Manteigas, 6.43 344 P	Pn	Pn	04 21 27.4 +0.5
MTE	comp=N,3.7nm,0.7s	A	A	04 22 38.5 -1.3
PVIS	Viseu, 6.82 343 ePn	Pn	Pn	04 21 32.9 +0.8
PVIS	comp=N,1.9nm,0.7s	S	Sn	04 22 38.5 -1.3
PVIS	Viseu, 6.82 343 P	Pn	Pn	04 21 32.9 +0.8
PVIS	comp=N,1.9nm,0.7s	S	Sn	04 22 38.5 -1.3
ETOR	ETOR, 7.08 20 P	Pn	Pn	04 21 32.9 +0.8
ETOR	comp=N,1.0nm,0.3s,SNR=7.9	S	Sn	04 21 32.9 +0.8

ETOR	comp=N,1.1nm,0.3s,SNR=7.9	S	Sn	04 22 53.9 -1.8
ETOR	Torete, 7.08 20 P	Pn	Pn	04 21 35.7 0.0
MVO	Moncorvo, 7.08 349 ePn	Pn	Pn	04 21 36.3 +0.6
MVO	comp=N,4.5nm,0.2s,SNR=18	eSn	Sn	04 22 52.9 -2.8
MVO	Moncorvo, 7.08 349 P	Pn	Pn	04 21 36.4 +0.6
MVO	comp=N,4.5nm,0.2s,SNR=18	S	Sn	04 22 52.4 -3.3
MVO	Moncorvo, 7.08 349 P	Pn	Pn	04 21 36.4 +0.6
MVO	comp=N,4.5nm,0.2s,SNR=18	S	Sn	04 21 38.1 +1.1
EIBI	Ibiza, 7.17 46 P	Pn	Pn	04 21 38.1 +1.1
EIBI				

10d 4h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Hiroka, Katashina, Izumozaki, Ashikaga, Ryogami san, Nakatsue, Magadan, Kurchatov Arra, Warramunga Arr, Alice Springs, Afiamatu.

IDC 10 04:49:20.0, 1.0, 14.51N, 92.68W, h0km, mb4.0/11, mb1 4.2/13, mb1mx4.0/49, mbtmp4.0/13, ML4.0/2, MS3.5/5, Ms1 3.5/5, ms1mx3.1/39, Error ellipse: s-maj=48.3km s-min=15.4km az=52.0

MEX 10 04:49:25.4, 0.6, 14.33N, 93.25W, h16km, 50km, MD4.0 NEIC 10 04:49:26.0, 0.0, 14.39N, 93.20W, h17km, mb4.2/5, MD4.1(14XZ)

ISC 10 04:49:24.0, 2.0, 14.34N, 0.07, 93.13W, 0.05, h27km, 13km, n250, c26/245, mb4.3/44, MS3.5/5, Near coast of Chiapas

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Lists numerous stations including THIG, PCIG, CCIG, TGIG, CMIG, TGUH, TLIG, LVIG, ESTN, ESPN, 833A, 833A, 435B, 447A, 341A, 341A, 345A, 347A, 241A, 241A, BRAL, 349A, LTX, TXAR, TX31, 453A, 352A, 352A, 353A, 251A, TIGA, TIGA, ABTX, ABTX, 252A, WLAR, 150A, 247A, 151A, 151A, 248A, 249A, 152A, 152A, 4Y4A, X41A, X39A, MIAR, MIAR, Z52A, GDL2, MNTX, MNTX.

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Main station list table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Lists numerous stations including X47A, W41B, Z53A, W40A, W40A, X48A, X48A, W39A, W39A, GOGA, GOGA, WMOK, WMOK, X49A, Z54A, W45A, PLAL, Y52A, Y52A, V41A, V41A, V40A, V40A, X53A, V47A, U42A, U42A, T40A, TKL, S40A, S41A, S38A, S38A, S39A, S39A, KMSC, S43A, LAZ, CCM, CCM, R38A, ANMO, ANMO, TASM, R40A, R40A, R39A, R41A, TUC, TUC, Q38A, Q41A, Q40A, Q39A, T25A, T25A, KSU1, P39B, P40A, P40A, 214A, P37A, P38A, P41A, P41A, O40A, O37A, SDCO, SDCO, S22A, S22A.

Main station list table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Lists numerous stations including N38A, N39A, MVCO, MVCO, M37A, M38A, M40A, M41A, M39A, PV01, SMCO, PV12, ISCO, ISCO, L40A, SWSE, MCWV, L44A, K40A, EML, JFWF, J36A, J39A, ECSD, I38A, I42A, BREC, I41A, GSC, H38A, H40A, H39A, H32A, N59A, BLG, G38A, SPMN, G33A, G39A, RSSD, SBC, BINY, F40A, PD31, PDAR, GATR, E36A, E40A, E35A, E38A, D35A, SNOW, D37A, NV01, NVAR, NVAR, LOHW, TPWV, IMW, C35A, C38A, C36A, RLMT, MDND, MDND, B35A, AGMN, LAO, B40A, HLID, HLID, MCMT, BOZ, DLMT, ULM, O03D, J08A, EGMT, MSO, F10A, PRLK, LPAZ, SIV.

Table with columns: Code, Station Name, Az, El, P, S, Pn, Az, El, P, S, Pn. Includes stations like MCIR Makushin Cirqu, SDPT Sand Point, OKER Okmok East Rim, etc.

ISC/JB 10 09:05:17.8:0.5,21.67S:0.03:179:17W:0.04, h54km,6km,mb4.5/100, Error ellipse: s-maj=5.6km s-min=4.3km az=31.6

NEIC 10 09:05:17.7:0.6,21.66S:179:11W,h57km,7km,mb4.6/75, Error ellipse: s-maj=6.7km s-min=5.0km az=136.0

WEL 10 09:05:17.0:0.2,21.67S:179:11W,h57km,7km,mb4.8/13

IDC 10 09:05:18.7:1.5,21.59S:179:13W,h58km,16km,mb4.0/28,mb1.4/1.30,mb1mx4.0/49,mbtmp4.9/30, Error ellipse: s-maj=11.1km s-min=10.0km az=89.0

ISC 10 09:05:18.3:0.5,21.63S:0.05:179:05W:0.06, h585km,5km,n336,e1946/384,mb4.5/100,20C-15D,Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, S, Pn, Az, El, P, S, Pn. Includes stations like RIZ Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pn, Az, El, P, S, Pn. Includes stations like RPZ 9.6nm,0.8s, LBZ Lake Benmore, WKZ Wauka, MLZ Mavora Lakes, etc.

Table with columns: Code, Station Name, Az, El, P, S, Pn, Az, El, P, S, Pn. Includes stations like PEA1 Petropavlovsk-Ussuriysk Arr, NJ2 Nanjing, MAW Mawson, etc.

Table of seismic events with columns for station name, time, magnitude, and other parameters. Includes stations like MAKANCY, KURBUB, KASHI, KARATAY, etc.

Table of seismic events with columns for station name, time, magnitude, and other parameters. Includes stations like DAVOX, FNA, ENDC, ESCD, TOAO, etc.

Table of seismic events with columns for station name, time, magnitude, and other parameters. Includes stations like DURS, DURSUNBEY, MUDANYA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like Moose Creek, Katmai Hardscr, EGAK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like HRHZ, Hatesa Road, TOZZ, Tahuroa Road, etc.

mb5.1/171, MS4/4/57, Error ellipse: s-maj=3.3km s-min=3.0km az=157.5
DJA 10 10:26:57.9.0.2.2 S.3°13'4E, h10km, M5.3/44,
MOS 10 10:26:57.9.1.1, 1.6BS: 134°26E, h33km, mb5.2/44,
MS4/47, Error ellipse: s-maj=9.6km s-min=5.4km az=106.3

IDC 10 09:52:40.9.2.0.2 0.29S-98°14E, h0km, mb3.7/5, mb1.3/97,
mb1mx3.6/62, mbmp3.7/7, ML4.3/2, MS3.1/4, Ms1.3/14,
ms1mx2.6/60, Error ellipse: s-maj=71.4km s-min=20.0km az=62.0

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like PPSI, Pulau Batu, MNSI, Mandailing Nat, etc.

ISK 10 10:11:23.9, 38°77'N-38°91'E, h18km, ML2.6/7
CSEM 10 10:11:24.0, 3.38°75'N-38°95'E, h10km, ML2.8, Error
ellipse: s-maj=6.1km s-min=4.9km az=161.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like MEX 10 10:07:59.7, 0.5, 17°07'N-100°10'W, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like ELZG, Elazig, PTK, Pertek, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like WEL 10 10:08:38.3, 37°S-6°17'W, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like DJA 10 10:26:52.8, 2.16S-134°69E, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like WB2, Warramunga Arr, etc.

10d 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like FITZ, GUMO, TWSI, MTSU, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KLBR, IPM, KULM, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CMAI, TIA, XAN, etc.

GTA	sS	sS	10 43 39.4	+4.0
GTA	SS	SS	10 47 01.1	-0.1
GTA	pmax	pmax		
comp=Z,18nm,1.2s				
GTA	LR	LR		
comp=Z,300nm,16.8s				
GTA	LR	LR		
comp=Z,240nm,19.6s				
GTA	LR	LR		
comp=Z,450nm,17.9s				
HIA	iP	P	10 36 07.5	-0.6
HIA	pmax	pmax		
GRNR	2 eP	P	10 36 02.1	-6.0
Gornyy	2 eP	P	10 36 12.4	+0.3
Tyv	7 eP	P	10 43 39.5	0.0
Tyv	7 eP	P		
comp=Z,26nm,1.3s				
TYV	pmax	pmax		
comp=Z,200nm,7.6s				
TYV	smax	smax		
comp=E,600nm,11.3s				
RPZ	53.09 147 LR	LR	10 58 59.7	
Rata Peaks	53.33 306 eP	P	10 36 16.1	-0.5
comp=E,852nm,18.4s,baz=346,slow=36				
ODAN	53.33 306 eP	P		
Odare	53.49 138 LR	LR	10 59 27.3	
comp=E,75nm,0.7s				
URZ	53.57 140 eP	P	10 36 18.0	+0.1
Urewera	54.01 305 eP	P	10 36 21.4	-0.2
comp=E,1um,18.6s,baz=327,slow=36				
BKZ	54.01 305 eP	P		
Black Stump Fm	54.19 280 LR	LR	11 02 18.5	
comp=E,14nm,1.0s				
RAMN	54.63 306 eP	P	10 36 25.9	-0.4
Ramite	54.67 106 LR	LR	10 58 16.4	
comp=E,96nm,0.8s				
PALK	54.76 338 eP	P	10 36 26.8	+0.3
Pallekele	54.76 338 eP	P	10 36 27.6	+1.1
comp=E,321nm,20.2s,baz=153,slow=39				
JIRN	54.76 338 eP	P	10 36 27.0	+0.5
Jiri	54.99 306 eP	P	10 36 28.0	+0.9
comp=E,71nm,0.8s				
AFI	54.99 306 eP	P	10 36 35.0	0.0
Afiatamu	54.99 337 eP	P	10 36 28.2	+0.1
comp=E,14nm,1.1s				
ULN	54.99 337 eP	P	10 36 28.2	+0.1
Ulanbaatar	54.99 337 eP	P		
comp=E,14nm,1.1s				
ULN	54.99 337 eP	P	10 59 31.1	
Ulanbaatar	54.99 337 eP	P	10 36 27.7	-0.5
SNR=12				
ULN	54.99 337 eP	P	10 36 28.0	+0.9
Ulanbaatar	54.99 337 eP	P	10 36 35.0	0.0
comp=Z,43nm,1.0s				
GNV	54.99 306 eP	P	10 36 28.4	-0.4
Gumbi	54.99 337 eP	P	10 36 28.2	+0.1
comp=Z,51nm,0.6s				
SONA0	54.99 337 eP	P	10 36 28.2	+0.1
Songino Array	54.99 337 eP	P		
SONM	54.99 337 eP	P	10 59 31.1	
comp=Z,4.2nm,0.8s,baz=150,slow=6,SNR=13				
SONM	54.99 337 eP	P	10 36 27.7	-0.5
Songino Array	54.99 337 eP	P	10 36 31.2	-0.6
SONA1	54.99 337 eP	P	10 36 31.2	-0.6
Songino Array	54.99 337 eP	P	10 36 31.8	-0.5
KKN	55.42 306 eP	P		
Daman	55.49 305 eP	P	10 36 32.2	+0.4
comp=Z,51nm,0.9s				
ZEA	55.53 355 eP	P	10 36 32.2	+0.4
Zeya	56.03 306 eP	P	10 36 35.6	-0.5
comp=Z,32nm,1.2s				
ZEA	56.03 306 eP	P	10 36 41.3	-0.2
comp=N,500nm,18.0s				
ZEA	56.03 306 eP	P	10 36 41.9	-0.4
comp=Z,600nm,18.0s				
GKN	56.03 306 eP	P	10 36 45.9	+0.1
Gorkha	56.03 306 eP	P	11 01 34.4	
comp=Z,80nm,1.0s				
KOLN	56.03 306 eP	P	10 36 49.3	-0.1
Koldanda	56.03 306 eP	P	10 36 49.3	-0.1
comp=Z,78nm,0.8s				
DANN	56.03 306 eP	P	10 36 50.1	+0.1
Dangsing	56.03 306 eP	P	10 36 50.1	+0.7
comp=Z,70nm,1.0s				
PYUN	56.03 306 eP	P	10 36 49.5	+0.1
Piuthan	56.03 306 eP	P	10 36 45.9	0.0
comp=Z,253nm,0.8s				
PEA0B	56.03 16 eP	P	10 36 50.1	+0.7
Petrovlovsk	56.03 16 eP	P	10 36 49.5	+0.1
comp=Z,60nm,1.1s				
PETK	56.03 16 eP	P	11 01 34.4	
Petrovlovsk	56.03 16 eP	P	10 36 49.3	-0.1
comp=Z,9.7nm,0.8s,baz=186,slow=5.8				
PETK	56.03 16 eP	P	10 36 49.3	-0.1
Petrovlovsk	56.03 16 eP	P	10 36 49.3	-0.1
comp=Z,103nm,20.0s,baz=197,slow=36				
PETK	56.03 16 eP	P	10 36 49.3	-0.1
Petrovlovsk	56.03 16 eP	P	10 36 49.3	-0.1
comp=Z,58.01 16 eP				
PETK	56.03 16 eP	P	10 36 49.3	-0.1
Petrovlovsk	56.03 16 eP	P	10 36 49.3	-0.1
comp=Z,58.01 16 eP				
PEA1	56.03 16 eP	P	10 36 49.3	-0.1
Petrovlovsk	56.03 16 eP	P	10 36 49.3	-0.1
comp=Z,58.01 16 eP				
PET	56.03 16 eP	P	10 44 49.7	-1.6
PET	56.03 16 eP	P	10 48 43.0	-0.4
comp=Z,27nm,1.2s				
PET	56.03 16 eP	P		
comp=Z,200nm,18.0s				
ZAK	56.03 16 eP	P	10 36 50.9	-0.4
Zakamensk	56.03 16 eP	P		
comp=Z,15nm,1.1s				
ZAK	56.03 16 eP	P	10 36 58.5	+1.1
Talya	56.03 16 eP	P	10 45 01.1	-2.7
comp=Z,6.0nm,0.9s				
IRK	56.03 16 eP	P	10 36 46.7	-1.2
Irkutsk	56.03 16 eP	P	10 37 05.4	+0.9
comp=Z,45nm,31.0s				
MOY	60.16 337 eP	P	10 37 12.3	-1.0
Monyd	61.50 348 eP	P	10 37 14.5	+0.8
comp=Z,33nm,1.5s				
BOD	61.50 348 eP	P	10 37 25.5	+2.6
Bodaibo	61.50 348 eP	P	10 49 41.8	+6.2
comp=Z,730nm,16.5s				
WMQ	61.50 348 eP	P		
Urumqi	61.50 348 eP	P	10 37 19.7	+0.1
comp=Z,450nm,19.5s				
MA2	62.43 9 iP	P	10 37 22.9	0.0
Magadan	62.43 9 iP	P	10 37 27.4	-0.1
comp=Z,9.0nm,0.9s				
HVS	62.43 9 iP	P	10 37 27.4	-0.1
Khovu-Aksy	62.43 9 iP	P	10 37 27.4	-0.1
comp=Z,24nm,1.0s				
YAK	63.63 358 eP	P	10 37 26.8	-0.7
Yakutsk	63.63 358 eP	P	10 37 37.3	+0.6
comp=Z,113nm,0.8s				
YAK	63.63 358 eP	P	10 45 58.4	-1.8
Yakutsk	63.63 358 eP	P	10 46 12.4	+1.1
comp=Z,56nm,0.9s				
YAK	63.63 358 eP	P	10 53 01.8	
Yakutsk	63.63 358 eP	P		
comp=N,11nm,1.1s				
YAK	63.63 358 eP	P		
comp=E,2.0nm,1.3s				
YAK	63.63 358 eP	P		
comp=Z,132nm,4.3s				
YAK	63.63 358 eP	P		
comp=E,64nm,4.1s				
YAK	63.63 358 eP	P		
comp=N,57nm,4.2s				
YAK	63.63 358 eP	P		
comp=N,138nm,5.1s				
YAK	63.63 358 eP	P		
comp=N,70nm,4.8s				
YAK	63.63 358 eP	P		
comp=Z,279nm,18.0s				
YAK	63.63 358 eP	P		
comp=N,296nm,20.0s				
YAK	63.63 358 eP	P		
comp=E,52nm,19.0s				
YAK	63.63 358 eP	P		
Jazzator, Alta	65.05 329 iP	P	10 37 37.0	-0.3
comp=Z,0.0nm,0.9s				
DGZ	65.05 329 iP	P	10 37 42.3	+0.2
Geymchan	65.05 329 iP	P	10 37 45.3	0.0
Makanchi Array	65.05 329 iP	P	10 37 45.3	0.0
Makanchi Array	65.05 329 iP	P	10 37 45.3	0.0
Makanchi Array	65.05 329 iP	P	10 37 45.2	0.0
Makanchi Array	65.05 329 iP	P	10 37 45.2	0.0

MKAR	66.31 324 P	P	10 37 45.2	0.0
Makanchi Array	66.31 324 P	P		
comp=Z,14nm,0.6s,baz=114,slow=7.9,SNR=143				
MKAR	66.31 324 eP	P	11 09 44.8	
Makanchi Array	66.31 324 eP	P	10 37 45.3	0.0
comp=Z,208nm,18.0s,baz=120,slow=39				
MKAR	66.31 324 eP	P	10 37 45.3	0.0
Makanchi Array	66.31 324 eP	P	10 37 45.3	0.0
comp=Z,87nm,0.8s				
MKAR	66.31 324 eP	P	10 37 46.4	-0.1
MAKZ	66.50 324 eP	P	10 37 46.4	-0.1
Makanchi	66.50 324 eP	P	10 37 46.4	-0.1
comp=Z,23nm,0.8s				
MAKZ	66.50 324 eP	P	10 37 49.1	+0.9
Makanchi	66.50 324 eP	P	10 37 49.1	+0.9
comp=Z,21nm,0.7s				
PRZ	66.72 318 eP	P	10 37 49.1	+0.9
Przheval'sk	66.72 318 eP	P		
comp=Z,21nm,0.7s				
PRZ	66.72 318 eP	P	10 37 49.3	+0.3
Przheval'sk	66.72 318 eP	P	10 37 51.4	+0.3
comp=Z,21nm,0.7s				
TARG	66.80 317 eP	P	10 37 51.4	+0.3
Taragay, Kyrgy	66.80 317 eP	P		
comp=Z,9.8nm,0.9s				
NIL	67.18 308 eP	P	10 37 51.4	+0.3
Nilore	67.18 308 eP	P		
comp=Z,12nm,0.8s				
NIL	67.18 308 eP	P	10 37 52.5	+1.4
Nilore	67.18 308 eP	P	10 37 06.8	+6.4
comp=Z,12nm,0.8s				
NIL	67.18 308 eP	P	10 40 23.8	+4.4
Nilore	67.18 308 eP	P	10 46 41.5	-3.4
comp=Z,12nm,0.8s				
NIL	67.18 308 eP	P	10 47 41.3	-6.4
Nilore	67.18 308 eP	P		
comp=Z,21nm,0.7s				
KSH	67.18 314 P	P	10 37 59.8	-1.4
Kashi	67.18 314 P	P	10 38 00.7	-0.8
comp=Z,21nm,0.7s				
KSH	67.18 314 P	P	10 38 10.0	+5.1
Kashi	67.18 314 P	P	11 10 44.8	
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 05.6	+0.5
Kashi	67.18 314 P	P	10 38 05.6	+0.5
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 13.1	+4.1
Kashi	67.18 314 P	P		
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 09.4	-1.1
Kashi	67.18 314 P	P	10 38 10.0	-0.5
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 10.5	-0.1
Kashi	67.18 314 P	P	10 38 09.9	-0.6
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 10.0	-0.5
Kashi	67.18 314 P	P	10 38 10.5	-0.1
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 06.9	-6.2
Kashi	67.18 314 P	P	10 38 13.2	-0.5
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 13.2	-0.5
Kashi	67.18 314 P	P	10 38 22.5	-0.1
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 21.4	-1.2
Kashi	67.18 314 P	P	10 38 22.5	-0.1
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 22.5	-0.1
Kashi	67.18 314 P	P	10 38 26.9	-0.8
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 27.7	0.0
Kashi	67.18 314 P	P	10 38 42.4	-1.2
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 42.8	-0.8
Kashi	67.18 314 P	P	10 38 43.6	-0.4
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 43.8	-0.2
Kashi	67.18 314 P	P	10 38 43.7	-0.2
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 38 49.0	+2.8
Kashi	67.18 314 P	P	10 48 33.4	+3.0
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P	10 59 16.4	
Kashi	67.18 314 P	P	11 02 33.7	
comp=Z,20nm,1.0s				
KSH	67.18 314 P	P		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SPITS Spitsbergen Ar, ARAO ARCESS Array S, ARCES ARCESS Array B, etc.

MEX 10:40:34.9-0.4, 16:22N-98.08W, h5km, 5km, MD3.5, Near coast of Guerrero

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

ISCJ 10:40:23.2, 36.62N, 32.16E, h6km, ML2/8
ISCJB 10:40:24.0, 36.64N, 32.17E, h10km, 5km, Error ellipse: s-maj=10.4km s-min=4.3km az=30.8

MEX 10:40:34.9-0.4, 16:22N-98.08W, h5km, 5km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KEZP Antalya-Kepez, ERMEK Ermenek, TEVE Tevekalti-Mers, etc.

ISCJB 10:43:53.0-0.3, 59.66S, 0.07-26.3W, 0.1, h40km, mb4.6/26, MS3.7/4, Error ellipse: s-maj=12.4km s-min=6.9km az=141.9
ISCJ 10:43:58.6-1.8, 59.66S, 26.45W, h72km, 1.4km, mb4.3/15, mb1 4.4/15, mb1mx3.2/30, Error ellipse: s-maj=17.0km s-min=13.6km az=74.0

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, SNAE Sanae, SNA5 Sanae, SNA6 Sanae, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAWY Dawson, SONAO Songino Array, SONM Songino Array, etc.

NDI 10:44:59.2-0.6, 26.75N, 92.32E, h15km, 8km, ML3.5

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

ISCJ 10:46:33.6-0.8, 16.71S, 167.09E, h0km, mb4.5/16, mb1 4.6/18, mb1mx4.4/46, mbmp4.6/18, ML4.7/22, MS3.7/14, Ms1 3.7/14, ms1mx3.5/48, Error ellipse: s-maj=24.4km s-min=14.3km az=86.0

ISCJB 10:46:36.1-0.4, 16.69S, 167.05E, h25km, mb4.6/38, MS3.9/16, Error ellipse: s-maj=10.2km s-min=6.1km az=160.2
NEIC 10:46:37.9-3.2, 16.68S, 167.06E, h28km, 2.3km, mb4.7/20, Error ellipse: s-maj=10.9km s-min=6.4km az=61.0

ISC 10:46:37.6-0.5, 16.76S, 167.1E, 0.1, h25km, n70, e1937/66, mb4.7/38, MS3.8/16, 2C-2D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, EIDS Idensvold, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like Te Maipa, Mavora Lakes, Mangatoinaka R, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like Rata Peaks, Whakaora, Naumai, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like LAGR Lagunneyo, GRPR Tuganun, etc.

ISCJB 10 11:33:19.1-0.3, 41.145S, 0.003E, 173.89E, 0.003, h73km, 4km, mb3.9/2, Error ellipse: s-maj=5.7km s-min=3.6km az=145.8

WEL 10 11:33:19.5, 41.1S, 2.17E, h61km, 3km, ML4.6/23 NEIC 10 11:33:19.4, 0.0, 41.145S, 173.76E, h67km, ML4.6 (WEL), After WEL

NEIC 10 11:33:19.4, 0.0, 41.145S, 173.76E, h67km, ML4.6 (WEL), After WEL

NEIC 10 11:33:20.9, 1.3, 41.09S, 173.84E, h75km, 14km, mb3.6/2, mb1.3/9.3, mb1mx3.4/39, mbtrmp3.9/3, Error ellipse: s-maj=29.1km s-min=9.7km az=132.2

ISC 10 11:33:19.8, 0.0, 41.145S, 173.80E, 0.003, h58km, 5km, n141.1, 1999/147, South Island

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like Tuamarina, Blackbirch Sta, Nelson, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like Tauranga, Ohinepanea, Awaitu Peninsula, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like Nemuro 2, Golovnino, Nemuro 2, etc.

NEIC 10 11:40:00.45, 40N, 151.80E, h20km, Mw4.0, Best double couple: M1.03000x-0.019, NP1a: 183.00000, 333.00000, ICI: 14.00000, NP2a: 49.00000, 566.00000, 113.00000

ISCJB 10 11:40:11.0, 1.0, 45.39N, 151.66E, h0km, mb3.8/12, mb1.3/9.16, mb1mx3.7/66, mbtrmp3.8/16, ML3.4/2, MS3.5/3, M1.3/5.3, ms1mx2.7/65, Error ellipse: s-maj=24.4km s-min=19.0km az=136.0

JMA 10 11:40:12.2, 2.0, 45.43N, 151.70E, h16km, 18km, mb4.6/2, NEIC 10 11:40:13.1, 2.9, 45.32N, 151.70E, h16km, 18km, mb4.6/2, Error ellipse: s-maj=11.0km s-min=6.8km az=137.0

SKHL 10 11:40:14.4, 0.5, 45.45N, 151.72E, h49km, 9km, mb4.6/6, MOS 10 11:40:15.6, 1.0, 45.26N, 151.48E, h49km, mb4.2/1, Error ellipse: s-maj=13.3km s-min=9.7km az=152.8

ISC 10 11:40:14.4, 0.7, 45.15N, 151.66E, 0.06, h30km, n94, c197/108, mb4.1/15, C, Kuril Islands

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like WRA Warramunga Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, El, P, Sn, Time, Res. Includes stations like Horoka, Yuzh-Sakhalins, Yuzh-Sakhalins, etc.

KUR Kuril'sk 2.68 273 eP Pb 11 40 58.0 -3.6 KUR 16nm,0.3s AMB AMB 11 41 05.0

KUR 80nm,0.3s eS A Sb 11 41 31.0 -3.0 KUR 155nm,0.4s eS A 11 41 36.7

KUR 169nm,0.4s eP N 11 41 36.8 KUR Kuril'sk 2.68 273 eP N 11 40 56.8 +1.4 KUR 169nm,0.4s iS S 11 41 29.8 +3.0

KUR comp=Z,80nm,0.4s pmax pmax KUR comp=N,43nm,0.3s pmax pmax KUR comp=N,16nm,0.3s pmax pmax

KUR comp=N,322nm,0.4s smax smax KUR comp=N,60nm,0.6s smax smax KUR comp=N,12nm,0.4s pmax pmax

KUR comp=N,156nm,0.4s pmax pmax KUR comp=N,12nm,0.4s pmax pmax KUR comp=N,12nm,0.4s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

Code Station Name Az El P Sn Time Res KUR Kuril'sk 2.68 273 eP Pb 11 40 58.0 -3.6

KUR 16nm,0.3s AMB AMB 11 41 05.0 KUR 80nm,0.3s eS A Sb 11 41 31.0 -3.0

KUR 155nm,0.4s eS A 11 41 36.7 KUR 169nm,0.4s eP N 11 41 36.8

KUR Kuril'sk 2.68 273 eP N 11 40 56.8 +1.4 KUR 169nm,0.4s iS S 11 41 29.8 +3.0

KUR comp=Z,80nm,0.4s pmax pmax KUR comp=N,43nm,0.3s pmax pmax KUR comp=N,16nm,0.3s pmax pmax

KUR comp=N,322nm,0.4s smax smax KUR comp=N,60nm,0.6s smax smax KUR comp=N,12nm,0.4s pmax pmax

KUR comp=N,156nm,0.4s pmax pmax KUR comp=N,12nm,0.4s pmax pmax KUR comp=N,12nm,0.4s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax KUR comp=N,32nm,0.3s pmax pmax

KJK2 Kamakawa 2 6.50 262 P Pn 11 41 50.3 +2.4 JCH Churui 6.50 250 P Pn 11 41 48.6 +0.6

JSA Asahikawa 6.54 264 Pn Pn 11 41 50.6 +2.1 comp=N,0.8nm,0.3s,baz=88,slow=16,SNR=13

ASAJ 16nm,0.3s,baz=88,slow=16,SNR=13 LR 11 44 47.4 ASAJ Asahikawa 6.54 264 eP Pn 11 41 51.2 +2.7

ASAJ Asahikawa 6.54 264 Pn Pn 11 41 51.6 +3.1 MYR Moyori 6.92 248 eP Pn 11 41 51.7 +1.0

JEM Erimo 6.92 246 P Pn 11 41 53.9 +0.3 ERM Erimo 6.92 246 eP N 11 41 56.7 +3.0

ERM Erimo 6.92 246 eP N 11 41 56.7 +3.0 JBT Biratori 2 7.11 254 P Pn 11 41 56.8 +0.5

JNB Noboribetsu 8.13 255 P Pn 11 42 18.1 +1.5 JNB 8.13 255 eS S 11 43 29.5 -1.6

JKB Kayabe 8.38 251 eS S 11 42 14.0 +0.3 JKB 8.38 251 eS S 11 43 42.2 -5.0

JYM Yakumo 2 8.73 254 P Pn 11 42 18.5 -1.7 JANG Nango 8.85 241 eS S 11 43 57.1 -7.1

JANG 8.85 241 eS S 11 43 57.1 -7.1 PETK Petropavlovsk- 8.90 24 Pn Pn 11 42 18.1 -2.7

PETK Petropavlovsk- 8.90 24 eP N 11 42 19.3 -1.5 PETK 8.90 24 Pn Pn 11 42 20.9 +0.1

JTM Tenmabayashi 8.90 244 P Pn 11 43 55.1 -4.9 JTM 8.90 244 eS S 11 42 18.1 -2.7

PEA1 Petropavlovsk- 8.90 24 eP N 11 43 51.6 -8.5 JTH Tanohata 8.90 238 eS S 11 43 56.7 +3.0

JOSM Okushiri-Mats 9.35 255 P Pn 11 42 28.5 +1.5 OFLU Ofunato 9.58 234 eS S 11 44 08.9 -1.1

OFLU 9.58 234 eS S 11 44 08.9 -1.1 JRG Rokugo 9.98 239 P Pn 11 42 35.0 -0.7

JRG 9.98 239 eS S 11 44 20.5 -6.1 JIO Ouri 10.19 233 P Pn 11 42 37.2 -1.3

MAJO Matsuo Arr-Jizo 13.29 234 eP N 11 43 35.5 +3.0 MAJO Matsushiro 13.31 234 eP N 11 43 21.1 -0.1

MAJO Matsushiro 13.31 234 eP N 11 43 21.1 -0.1 MJAR Matsushiro Arr 13.31 234 Pn Pn 11 43 21.1 -0.1

USRK Ussuriysk Arr- 14.03 273 Pn Pn 11 43 29.6 -1.4 comp=N,1.0nm,0.3s,baz=29,slow=12,SNR=5.2

H11N2 WAKE ISLAND Hy 28.32 149 T T 12 17 02.2 H11N1 WAKE ISLAND Hy 28.34 149 T T 12 17 55.1

H11N3 WAKE ISLAND Hy 28.34 149 T T 12 17 36.0 H11S1 WAKE ISLAND Hy 29.37 150 T T 12 19 20.0

H11S2 WAKE ISLAND Hy 29.37 150 T T 12 19 02.2 H11S3 WAKE ISLAND Hy 29.38 150 T T 12 18 53.3

H11S2 WAKE ISLAND Hy 29.38 150 T T 12 19 02.2 ILAR Eielson Array 38.44 37 P P 11 47 33.1 +0.2

ILAR 38.44 37 P P 11 47 33.1 +0.2 comp=N,0.7nm,0.9s,baz=269,slow=7.7,SNR=7.1

MK31 Makanchi Array 46.79 298 eP P 11 48 40.5 -0.4 MK31 Makanchi Array 46.79 298 eP P 11 48 40.5 -0.4

MK32 Makanchi Array 46.79 298 eP P 11 48 42.3 +1.3 MK32 Makanchi Array 46.79 298 eP P 11 48 42.3 +1.3

MK32 Makanchi Array 46.79 298 eP P 11 48 42.3 +1.3 MKAR Makanchi Array 46.79 298 P P 11 48 42.3 +1.3

comp=N,1.0nm,0.7s,baz=74,slow=7.9,SNR=11 MKAR 46.79 298 P P 11 50 14.9 +1.1

comp=N,0.3nm,0.6s,baz=79,slow=3.2,SNR=3.1 MKAR 46.79 298 P P 12 09 30.8

comp=N,0.81nm,19.3s,baz=72,slow=38 MKAR Makanchi Array 46.79 298 eP P 11 48 40.8 -0.2

comp=N,0.8nm,0.6s MKAR Makanchi Array 46.79 298 eP P 11 50 14.9 +1.1

MKAR Makanchi Array 46.79 298 eP P 11 48 40.8 -0.2 MKAR 46.79 298 eP P 11 48 40.8 -0.2

MKAR 46.79 298 eP P 11 48 40.8 -0.2 MKAR 46.79 298 eP P 11 48 40.8 -0.2

10d 13h

YOJ	Yonaguni jima	0.65 109	ePg	Pb	12 43 10.6	+0.1
YOJ	Yonaguni jima	0.65 109	P	Pb	12 43 10.5	0.0
YOJ	Yonaguni jima	0.65 109	eS	Sb	12 43 19.8	+0.3
ENTT	Nioudou	0.70 267	iP	Pg	12 43 09.8	-1.2
TWA	Muchua	0.75 294	iP	Pg	12 43 11.3	-0.5
TWA	Muchua		eS	Sg	12 43 21.1	-0.5
NWLT	Wulai	0.77 277	eP	Pg	12 43 11.5	-0.7
YM07	YM07	0.82 307	iP	Pb	12 43 13.3	-0.2
YM07	YM07		S	Sb	12 43 24.3	-0.2
TAP1	Taipei	0.82 296	iP	Pg	12 43 13.4	-0.2
TAP1	Taipei		S	Sb	12 43 24.6	0.0
TATO	Taipei	0.83 291	iP	Pg	12 43 12.9	-0.4
TATO	Taipei		eS	Sg	12 43 22.8	-1.3
TATO	Taipei	0.83 291	ePg	Pg	12 43 12.8	-0.5
TAP	Taipei	0.84 295	eSg	Sg	12 43 22.9	-1.2
TAP	Taipei		eP	Pb	12 43 13.7	0.0
TAP	Taipei		S	Sb	12 43 25.1	+0.1
NACB	Ninganchiao	0.84 234	iP	Pg	12 43 12.5	-1.1
NACB	Ninganchiao		eS	Sg	12 43 23.6	-1.1
NACB	Ninganchiao	0.84 234	ePg	Pg	12 43 12.5	-1.1
YM11	YM11	0.85 305	iP	Pn	12 43 14.8	-0.3
YM10	YM10	0.85 304	iP	Pb	12 43 13.9	-0.1
YM10	YM10		eS	Sg	12 43 24.8	-0.2
YM04	YM04	0.87 303	iP	Pg	12 43 14.0	-0.1
YM04	YM04		S	Sg	12 43 24.9	-0.6
YHNB	Yeheng	0.88 270	iP	Pg	12 43 13.0	-1.2
YHNB	Yeheng		Sg	Sg	12 43 25.7	0.0
YHNB	Yeheng	0.88 270	ePg	Pg	12 43 13.1	-1.2
NSK	Sanguang	0.89 270	iP	Pg	12 43 13.2	-1.3
NSK	Sanguang		eS	Sg	12 43 25.5	-0.7
TWY	Chenhua	0.90 312	iP	Pb	12 43 14.7	-0.1
TWY	Chenhua		S	Sb	12 43 26.7	0.0
TWD	Chiawan	0.90 229	P	Pg	12 43 13.7	-1.1
TWD	Chiawan		eS	Sg	12 43 28.3	-0.5
NNSB	Datong	0.91 254	iP	Pn	12 43 13.5	-1.3
NNSB	Datong		eS	Sg	12 43 25.5	-1.2
NNSH	Datong	0.91 254	eP	Pg	12 43 13.5	-1.4
NNS	Nan Shan	0.91 255	eP	Pg	12 43 13.6	-1.3
NNS	Nan Shan		eS	Sg	12 43 26.7	-0.2
TWS1	Kuangyinshan	0.94 297	iP	Pg	12 43 15.4	+0.1
TWS1	Kuangyinshan		eS	Sb	12 43 27.9	+0.1
NTST	Danshui	0.94 301	eP	Pb	12 43 15.3	-0.2
NTST	Danshui		eS	Sb	12 43 28.3	+0.3
HWA	Hwalien	0.97 224	eP	Pb	12 43 17.6	0.0
PCYT	Pengchayiu	0.98 346	iP	Pb	12 43 15.3	-0.9
WLTB	Daxi	1.00 280	iP	Pg	12 43 16.7	0.0
WLTB	Daxi		eS	Sn	12 43 30.5	-0.7
ENLB	Shoufeng	1.02 221	eP	Pn	12 43 17.9	+0.4
ENLB	Shoufeng		eS	Sn	12 43 33.9	+2.1
NCU	National Centr	1.09 286	eP	Pb	12 43 17.8	-0.2
NCU	National Centr		eS	Sn	12 43 33.2	-0.1
NCUH	Zhongli	1.09 286	eP	Pg	12 43 18.7	+0.5
WHF	Hehuan Shan	1.11 242	eP	Pb	12 43 17.6	-1.2
WHF	Hehuan Shan		eS	Sg	12 43 33.3	-0.1
TWT	Tachien	1.14 248	eP	Pb	12 43 19.0	-0.1
TDCB	Techi	1.16 249	iP	Pb	12 43 19.0	-0.3
ESL	Shilin	1.20 224	iP	Pn	12 43 19.7	-0.1
ESL	Shilin		eS	Sg	12 43 37.7	+1.8
LIOB	Emei	1.21 269	iP	Pb	12 43 19.9	-0.1
LIOB	Emei		S	Sg	12 43 36.2	0.0
NSTT	Nanjuang	1.22 268	iP	Pn	12 43 20.2	-0.1
NSTT	Nanjuang		S	Sn	12 43 36.3	-0.3
CHGB	Renai	1.23 240	eP	Pn	12 43 20.0	-0.5
CHGB	Renai		eS	Sg	12 43 38.3	+1.3
SBCB	Hsinchu	1.24 275	eP	Pb	12 43 20.3	-0.3
SBCB	Hsinchu		eS	Sg	12 43 38.5	+1.3
HSN	Hsinchu	1.25 276	eP	Pg	12 43 21.1	-0.3
HSN	Hsinchu		eS	Sg	12 43 37.8	+0.2
EGFH	Guangfu	1.31 220	eP	Pn	12 43 20.9	-0.5
IRIF	Miaofo-Funau	1.31 105	P	Pn	12 43 20.3	-1.1
IRIF	Miaofo-Funau		eS	Sb	12 43 38.3	-0.3
NMLH	NMLH	1.42 265	eP	Pg	12 43 24.5	0.0
NMLH	NMLH		eS	Sg	12 43 43.4	+0.4
DPDB	Guoxing	1.44 244	eP	Pb	12 43 24.1	0.0
DPDB	Guoxing		eS	Sg	12 43 44.2	+0.5
HGSD	Ruisui	1.45 215	iP	Pn	12 43 23.1	-0.2
HGSD	Ruisui		eP	Pg	12 43 25.0	-0.4
NSY	Sanyi	1.46 260	iP	Pg	12 43 23.1	-0.2
NSY	Sanyi		S	Sg	12 43 44.6	+0.2
HATJ	Hateruma jima	1.47 115	P	Pn	12 43 23.1	-0.5
EHY	Hungye	1.49 219	iP	Pn	12 43 23.3	-0.6
PTSB	Yuanli	1.51 261	iP	Pg	12 43 25.9	-0.4
PTSB	Yuanli		eS	Sg	12 43 46.4	+0.6
SMLT	Sun Moon Lake	1.54 239	iP	Pb	12 43 25.7	0.0
SMLT	Sun Moon Lake		eS	Sg	12 43 47.3	+0.6
SSLB	Suanguang	1.55 235	iP	Pb	12 43 25.4	-0.5
SSLB	Suanguang		eS	Sb	12 43 46.0	+0.6
SSLB	Suanguang	1.55 235	ePn	Pb	12 43 25.5	-0.4
TYC	Yuch	1.56 241	eP	Pb	12 43 26.0	0.0
TYC	Yuch		eS	Sg	12 43 47.5	+0.1
JKRS	Kuro-shima	1.58 106	P	Pn	12 43 24.7	-0.5

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JKRS	YULB	Yu-li	1.60 217	iP	Pn	12 43 45.5	-0.1
YULB	YULB	Yu-li	1.60 217	ePn	Pn	12 43 24.8	-0.6
YULB	YULB	Yu-li	1.60 217	iP	Pn	12 43 24.6	-0.8
YULB	YULB	Yu-li	1.60 216	iP	Pn	12 43 25.3	-0.5
JJJ	Ishigaki jima	1.67 100	P	Pn	12 43 25.3	-1.1	
JJJ	Ishigaki jima		S	Sn	12 43 46.3	-1.4	
WJS	Zhushan	1.70 240	eP	Pg	12 43 29.2	-0.8	
WJS	Zhushan		eS	Sg	12 43 53.1	+1.1	
WNT	Mingjian	1.71 242	eP	Pg	12 43 29.8	-0.3	
WNT	Mingjian		eS	Sg	12 43 52.7	+0.4	
WCHH	Zhanghua	1.73 250	eP	Pg	12 43 30.4	-0.1	
YUS	Yu-Shan	1.74 227	eP	Pb	12 43 28.5	-0.9	
FULB	Fuli	1.76 213	iP	Pn	12 43 27.2	-0.4	
JISG	Ishigakijimahi	1.80 93	P	Pn	12 43 27.8	-0.3	
CHKT	Chengkung	1.81 210	iP	Pn	12 43 27.2	-1.0	
CHNS	Tsauling	1.86 235	eP	Pb	12 43 31.1	-0.1	
CHNS	Tsauling		eS	Sg	12 43 57.5	+0.3	
WGK	Gukeng	1.90 239	eP	Pb	12 43 32.5	+0.6	
WGK	Gukeng		eS	Sg	12 43 58.5	0.0	
WDLH	Douliu	1.92 239	eP	Pb	12 43 32.5	+0.3	
RLNB	Erlin	1.97 247	eP	Pb	12 43 32.6	-0.4	
WTCT	Ta-cheng	2.05 247	eP	Pn	12 43 31.7	+0.2	
CHN2	Minshiang	2.05 237	eP	Pg	12 43 35.6	-1.1	
CHN2	Minshiang		eS	Sg	12 44 03.3	0.0	
TPUB	Ta-pu	2.08 229	iP	Pn	12 43 34.2	-0.8	
TPUB	Ta-pu		eS	Sb	12 44 01.1	+0.3	
TPUB	Ta-pu	2.08 229	ePn	Pb	12 43 33.8	-1.2	
CHY	Chiayi	2.11 236	eP	Pb	12 43 35.6	+0.1	
TWH	Lufao	2.11 202	eP	Pn	12 43 31.4	-1.0	
TWH	Lufao		eS	Sn	12 43 56.6	-2.0	
WTP	Ta-pu	2.13 228	eP	Pb	12 43 34.9	-0.9	
JTJ	Tarama	2.15 91	P	Pn	12 43 33.4	+0.5	
TWGBT	Beinan	2.18 212	eP	Pn	12 43 32.2	-1.2	
TWG	Pinlang	2.19 212	eP	Pn	12 43 32.4	-1.0	
TWG	Pinlang		ePn	Pn	12 43 32.4	-1.0	
WSF	Szhu	2.19 242	eP	Sb	12 43 34.8	+1.2	
WSF	Szhu		eS	Sb	12 44 04.1	+0.1	
TWK	Hsinying	2.20 231	eP	Pb	12 43 35.8	-1.3	
TWK	Hsinying		eS	Sb	12 44 03.6	-0.8	
WLBG	Puzi	2.21 238	eP	Pb	12 43 36.4	-0.9	
WLBG	Puzi		eS	Sb	12 44 06.0	+1.4	
CHN1	Nanshi	2.23 228	eP	Pb	12 43 36.2	-1.3	
SGST	Jiashian	2.26 226	iP	Pb	12 43 36.6	-1.4	
SGST	Jiashian		eS	Sb	12 44 06.8	+0.8	
SLGT	Liugui	2.29 223	eP	Pn	12 43 36.5	+1.6	
CHN8	Yifu	2.36 236	eP	Pb	12 43 37.6	-2.0	
CHN8	Yifu		eS	Sb	12 44 09.2	+0.5	
CHN3	Shinhua	2.41 229	eP	Pb	12 43 40.0	-0.6	
CHN3	Shinhua		eS	Sb	12 44 12.0	+1.7	
SSD	Sandimen	2.48 219	eP	Pn	12 43 38.9	+1.4	
SSD	Sandimen		eS	Sb	12 44 10.7	-1.7	
TAI1	Yung-k'ang	2.53 230	eP	Pb	12 43 40.4	-2.2	
JIRB	Iratama	2.58 86	P	Pn	12 43 39.6	+0.7	
SGLT	Jiouru	2.58 221	eP	Pn	12 43 39.5	+0.6	
MASBT	Mashibuluo	2.59 218	eP	Pn	12 43 39.6	+0.7	
MASBT	Mashibuluo		eS	Sn	12 44 12.4	+2.1	
MATB	Ma-tsu	2.61 305	eP	Pn	12 43 37.9	-1.5	
WVUC	WVUC	2.64 277	eP	Pn	12 43 38.8	-1.0	
JJKM	Ikemajima	2.65 84	P	Pn	12 43 41.1	+1.2	
TAW	Tawu	2.66 210	eP	Pn	12 43 39.5	-0.5	
EAST	Anshuo	2.67 211	eP	Pn	12 43 39.2	-0.9	
JMJ	Miyako jima 2	2.69 87	P	Pn	12 43 41.7	+1.3	
LNG	Lan-yu	2.73 196	eP	Pn	12 43 39.7	-1.3	
PAY	Penghu	2.77 247	eP	Pn	12 43 42.9	+0.7	
PHUB	Peng-hu	2.78 246	eP	Pn	12 43 43.1	+1.4	
SCZT	Fangtau	2.79 215	eP	Pn	12 43 43.3	+1.6	
JOGS	Gusukube	2.79 88	P	Pn	12 43 42.9	+1.1	
WDGT	Dungji	2.83 241	eP	Pn	12 43 44.0	+1.7	
TWP	Hsiaoliuchiu	2.95 218	eP	Pb	12 43 48.1	-1.7	
VCHM	Qimei	3.04 242	eP	Pn	12 43 46.6	+1.4	
VCHM	Qimei		eS	Sn	12 44 22.8	+1.4	
HEN	Hengchun	3.04 209	eP	Pn	12 43 45.8	+0.6	
TSEB	Hengchuen, Pin	3.07 206	eP	Pn	12 43 45.6	+0.1	
TWK1	Hengchun	3.07 208	eP	Pn	12 43 45.0	-0.6	
TWKBT	Hengchun	3.07 208	eP	Pn	12 43 44.9	-0.7	
TWKBT	Hengchun		eS	Sn	12 44 23.4	+1.2	
QZH	Quanzhou	3.42 275	Pn	Pn	12 43 50.6	+0.2	
QZH	Quanzhou		Smax	Smax	12 44 28.4	-2.4	
QZH	Quanzhou		Smax	Smax			
QZH	Quanzhou		LR	LR			
QZH	Quanzhou		LR	LR			
QZH	Quanzhou		LR	LR			
KNM	Kinmen	3.57 267	eP	Pn	12 43 54.6	+2.2	
JOW	Kunigami	5.76 67	P	Pn	12 44 24.8	+2.1	
JOW	Kunigami		ePn	Pn	12 44 24.7	+2.1	
JOW	Kunigami		ePn	Pn	12 44 24.6	+1.9	
WHN	Wuhan	9.18 311	eP	LR	12 45 14.5	+5.0	
WHN	Wuhan		LR	LR			
WHN	Wuhan		LR	LR			
WHN	Wuhan		LR	LR			
WHN	Wuhan		LR	LR			
TGY	Tagaytay City	10.61 187	LR	LR	12 50 12.2		

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JNU	Nakatsue	11.25 40	LR	LR	12 49 58.0	
KS15	Wonju Array Si	13.58 19	ePn	Pn	12 46 10.8	+1.1
KS01	Wonju Array Si	13.61 19	ePn	Pn	12 46 10.0	-0.1
DAV	Davao City (W)	17.78 169	LR	LR	12 53 47.4	
MJAR	Matsushiro Arr	18.04 45	LR	LR	12 54 48.9	
USRK	Ussuriysk Arr	21.01 20	P	P	12 47 41.9	+1.3
CMAR	Chiang Mai Arr	22.61 259	P	P	12 48 00.9	+2.9

10d 23h

Table with 4 columns: PCIG, TGIG, eS, Sn. Values include 1.85 342, 1.85 342, 1.85 342, 1.85 342.

NIED 10 21:51:00.25:90N:125.00E, h140km, Mw4.5 Best double couple: M=6.59000x10^15 Np1.3e290.00000*, 3.35.00000*, 1.174.00000*. NP2.3e25.00000*, 8.8620000*, 1.55.00000*

ISCJB 10 21:51:45.9:0.4, 25.8N:0.1:125.07E:0.08, h122km, 9km, mb3.5/4, Error ellipse: s-maj=19.7km s-min=4.0km az=146.9

JMA 10 21:51:47.0:0.1, 25.86N:125.01E, h109km, M3.6 IDC 10 21:51:48.5:6.3, 26.20N:125.17E, h116km, 28km, mb3.3/4, mb1 3.5/5, mb1mx2.9/67, mbtmp3.7/5, Error ellipse: s-maj=149.5km s-min=28.1km az=2.0

ISC 10 21:51:46.7:0.9, 25.8N:0.1:125.10E:0.08, h123km, 13km, n25, e0.976/41, mb3.4/4, Southwestern Ryukyu Islands

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like IKJM, JIRB, JISG, etc.

NEIC 10 22:09:18.1:0.0, 14.67N:93.50W, h20km, MD4.0(MEX), After MEX.

MEX 10 22:09:18.6:0.5, 14.70N:93.49W, h15km, MD4.0, Near coast of Chiapas

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like PCIG, THIG, TGIG, etc.

IDC 10 22:13:32.9:2.5, 8.57S:115.15E, h0km, mb3.0/3, mb1 3.3/3, mb1mx3.1/52, mbtmp3.1/3, Error ellipse: s-maj=151.3km s-min=25.6km az=49.0

ISCJB 10 22:13:47.1:0.6, 8.75S:0.2:115.37E:0.06, h135km, 7km, mb3.0/3, Error ellipse: s-maj=31.0km s-min=7.5km az=10.5

DJA 10 22:13:49.3:0.5, 9.5S:10.111E, h107km, 6km, M3.3/1, MLV3.3/11

ISC 10 22:13:47.5:1.1, 8.9S:0.2:115.37E:0.06, h131km, 9km, n13, e1.927/16, mb2.9/3, Ball region

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like IGBI, DNP, SRBI, etc.

IDC 10 22:23:27.1:6.4, 1.32S:99.49E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/59, mbtmp3.6/4, Error ellipse: s-maj=314.6km s-min=24.8km az=54.0

DJA 10 22:23:30.2:0.5, 1.57S:9.97E, h10km, M3.5/4, MLV3.5/4 IDC 10 22:23:30.6:1.0, 1.51S:0.07:99.26E:0.09, h30km, n15, e1.06/10, mb3.7/4, Southern Sumatara

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SISI, PPSI, KRJI, etc.

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GUC 10 22:23:53.0:0.4, 23.97S:67.25W, h208km, 10km, ML4.1, 4C-1D, Chile-Argentina border region

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like G002, PB06, PB06, etc.

ISCJB 10 22:31:09.3:0.6, 3.43S:0.06:128.60E:0.05, h100km, mb3.5/2, Error ellipse: s-maj=9.3km s-min=6.3km az=10.9

DJA 10 22:31:09.5:0.7, 4.56S:1.2E:9.9E, h97km, 8km, M4.0/8, MLV4.0/8

IDC 10 22:31:11.0:7.8, 3.59S:129.01E, h154km, 94km, mb3.3/3, mb1 3.6/5, mb1mx3.2/53, mbtmp4.0/5, Error ellipse: s-maj=121.1km s-min=17.5km az=84.0

ISC 10 22:31:07.9:0.9, 3.55S:0.07:128.58E:0.05, h100km, n12, e2.33/16, Seram

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like MSAI, AAI, NLAJ, etc.

IDC 10 22:34:25.3:1.9, 4.08N:92.58E, h0km, mb3.6/4, mb1 3.8/6, mb1mx3.4/63, mbtmp3.7/6, ML4.1/2, MS3.6/1, Ms1 3.6/1, ms1mx2.4/59, Error ellipse: s-maj=49.6km s-min=29.5km az=50.0

NEIC 10 22:34:26.0:0.7, 4.07N:92.54E, h10km, mb4.0/1, Error ellipse: s-maj=15.1km s-min=9.5km az=214.0

ISCJB 10 22:34:27.4:0.7, 4.11N:0.09:92.61E:0.06, h33km, mb3.6/5, MS3.6/1, Error ellipse: s-maj=13.2km s-min=8.0km az=17.2

ISC 10 22:34:29.2:1.0, 4.1N:0.1:92.59E:0.08, h35km, n22, e1.94/19, mb3.8/5, Off west coast of northern Sumatara

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like LHMI, GSI, KULM, etc.

NIED 10 22:40:00.37:20N:143.60E, h5km, Mw3.2 Best double couple: M=6.50000x10^13 Np1.3e343.00000*, 8.41.00000*, 1.160.00000*. NP2.3e23.00000*, 8.85.00000*, 1.51.00000*

JMA 10 22:40:54.1:0.2, 37.18N:143.63E, h29km, M3.5, Off east coast of Honshu

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JFK, JIO, ONJ, etc.

NIED 10 22:58:00.38:20N:142.30E, h29km, Mw3.5 Best double couple: M=2.31000x10^14 Np1.3e78.00000*, 8.9.00000*, 1.33.00000*. NP2.3e201.00000*, 8.85.00000*, 1.98.00000*

JMA 10 22:58:00.0:0.2, 38.21N:142.34E, h37km, 2km, M3.8, JMA Feat. J1

IDC 10 22:58:52.6:3.7, 38.14N:142.63E, h64km, 27km, mb3.4/4, mb1 3.4/7, mb1mx3.2/67, mbtmp3.6/7, ML3.0/2, MS2.5/3, Ms1 2.5/3, ms1mx2.3/37, Error ellipse: s-maj=35.6km s-min=19.7km az=115.0

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ISC 10 22:58:46.9:1.9, 38.10N:0.05:142.27E:0.07, h10km, 10km, n27, e1.37/30, mb3.6/4, Near east coast of eastern Honshu

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JIO, OFUJ, OFUJ, etc.

MEX 10 23:04:09.8:0.4, 13.83N:92.86W, h14km, 168km, MD3.7, Off coast of Chiapas

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like THIG, PCIG, PCIG, etc.

CSEM 10 23:19:46.5:0.1, 67.84N:20.26E, h0km, 2km, ML1.5, Error ellipse: s-maj=3.4km s-min=2.8km az=153.0, Mining explosion.

HEL 10 23:19:47.0:0.0, 67.85N:20.20E, h0km, ML1.5, ML1.4(UPP), Explosion, Sweden

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KUA, KUA, KUA, etc.

KIF comp=Z, 4.5nm, 0.2s MSB Sg 23 20 25.7 +0.3

KIF Kilpisjarvi 1.19 11 ePb Sg 23 20 25.7 +0.6

KIF Kilpisjarvi 1.19 11 ePb Sg 23 20 10.2 +0.1

PAJU Pajala 1.39 125 eP Sg 23 20 12.3 -1.7

PAJU Pajala 1.39 125 eP Sg 23 20 12.3 -1.8

PAJU Pajala 1.39 125 eP Sg 23 20 30.5 -1.6

HEF Hetta 1.41 65 ePb Sg 23 20 12.9 -1.5

HEF Hetta 1.41 65 ePb Sg 23 20 30.0

HEF Hetta 1.41 65 ePb Sg 23 20 31.4 -1.3

HEF Hetta 1.41 65 ePb Sg 23 20 31.4 -1.3

ERTU Ertsjaerv 1.51 148 eS Nn 23 20 14.2 -1.5

KALU Kalix 2.35 147 eP Pn 23 20 27.5 +0.4

KALU Kalix 2.35 147 eP Pn 23 20 27.5 +0.3

TOF Tornio 2.40 136 ePb Sg 23 20 28.7 +0.8

TOF Tornio 2.40 136 ePb Sg 23 20 58.2

TOF Tornio 2.40 136 ePb Sg 23 21 01.1 -0.4

TOF Tornio 2.40 136 ePb Sg 23 21 01.1 -0.4

SGF Sodankyl 2.45 97 eSg Sg 23 21 02.8 -0.2

AREO ARCESS Array S 2.58 46 ePb Sg 23 20 31.4 +1.1

AREO Rovaniemi 2.58 116 ePb Sg 23 20 57.2

RNF Rovaniemi 2.58 116 ePb Sg 23 21 05.7 -0.9

CSEM 10 23:19:56.1, 67.84N:20.19E, h0km, ML1.6, Mining explosion.

UPP 10 23:19:56.1:0.1, 67.84N:20.19E, h0km, ML1.6, Sweden

Table with 10 columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KUA, KUA, KUA, etc.

Table with columns: RATU, NIKU, NIKU, LANU, LANU. Includes station names like Nikkaluokta, Lannavaara and various time/azimuth data.

UPP 10 23:20:10.6:0.2,67.86N:20:13E, h0km, ML1.9, Sweden

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

IDC 10 23:21:49.5:1.9,25:18N:109.40W, h0km, mb1 3.5/5, mb1mx3.4/5, mtbpm3.2/5, ML3.5/4, Error ellipse: s-maj=36.9km s-min=17.5km az=119.0, Gulf of California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPIG, TXAR, ANMO, NVAR, ELK, PDAR.

BUI 10 23:26:02.4:6.02S:155.24E, h213km, mb4.8/43, mB4.7/25

ISCJB 10 23:26:03.4:0.2,5.93S:103.154,88E:0.0, h200km, mb4.5/77, Error ellipse: s-maj=5.3km s-min=3.5km az=138.7

IDC 10 23:26:03.6:0.8,5:92S:154.90E, h190km, 7km, mb4.3/23, mb1 4.3/26, mb1mx4.2/52, mtbpm4.8/26, MS3.1/1, Ms1 3.3/1, ms1mx2.5/39, Error ellipse: s-maj=12.3km s-min=8.2km az=76.0

NEIC 10 23:26:05.6:0.8,5:92S:154.87E, h208km, 7km, mb4.6/37, Error ellipse: s-maj=7.1km s-min=5.1km az=72.0

DJA 10 23:26:17.8:2.1,6.5S:7.15E:1.5, h278km, 15km, MS.0/35, mb5.2/35, mb5.5/17, Mw/M5.0/17

ISC 10 23:26:04.7:0.4,5.93S:103.006:154.90E:0.07, h200km, n177, e131/183, mb4.6/77, 1,C, Bougainville-Solomon Islands region

Main table on the left side of the page, listing station codes, names, azimuths, phase IDs, times, and residuals for various seismic events.

Main table in the middle of the page, listing station codes, names, azimuths, phase IDs, times, and residuals for various seismic events.

Table on the right side of the page, listing station codes, names, azimuths, phase IDs, times, and residuals for various seismic events.

ISCJB 11 00:01:42.7:0.7,22:55S:179.8W:0.1, h550km, mb3.6/7, Error ellipse: s-maj=25.8km s-min=13.5km az=161.7

IDC 11 00:01:47.5:2.7,22:86S:179:75W, h607km, 39km, mb3.1/7, mb1 3.4/10, mb1mx3.1/45, mtbpm4.2/10, Error ellipse: s-maj=48.6km s-min=15.1km az=171.0

ISC 11 00:01:43.3:0.8,22:6S:179:8W:0.1, h550km, n14, e131/111, mb3.6/7, South of Fiji Islands

Table on the right side of the page, listing station codes, names, azimuths, phase IDs, times, and residuals for various seismic events.

NIED 11 00:06:00.45:40N:151:50E, h11km, Mw3.9 Best double couple: M7.05000x1014 N1P1:209.00000, 321.00000, 7.71.00000, NP2:49.00000, 870.00000, 139.00000

JMA 11 00:06:27.5:0.8,45:45N:151:47E, h30km, M4.3 MOS 11 00:06:28.7:1.45:42N:151:52E, h40km, mb4.1/5, Error ellipse: s-maj=15.7km s-min=15.6km az=146.8

SKHL 11 00:06:29.6:0.4,45:12N:151:46E, h40km, mb4.2/2 IDC 11 00:06:32.0:7.2,46:35N:150:70E, h0km, mb3.9/8, mb1 4.0/10, mb1mx3.6/74, mtbpm3.8/10, ML3.6/1, MS2.7/2, Ms1 2.7/2, ms1mx2.4/72, Error ellipse: s-maj=169.3km s-min=32.0km az=145.0

ISC 11 00:06:27.8:1.3,44:8N:0:1x151:6E:0.1, h36km, n39, e216/39, mb3.9/9, 1D, East of Kuril Islands

Table on the right side of the page, listing station codes, names, azimuths, phase IDs, times, and residuals for various seismic events.

TIA	Tai'an	57.78 323	P	P	00 26 02.6 +1.0
TIA	comp=Z,8.0nm,1.1s		pmax	pmax	
MDJ	Mudanjiang	58.12 338	P	P	00 26 01.5 -2.3
MDJ	comp=Z,8.0nm,1.1s		pP	pP	00 26 04.2 -3.9
MDJ			PcP	PcP	00 26 52.7 -2.7
MDJ			PP	PP	00 28 10.7 -2.0
MDJ			S	S	00 34 04.2 -0.4
MDJ			ScS	ScS	00 35 51.0 -2.2
MDJ			SS	SS	00 37 57.6 +1.1
MDJ	comp=Z,140nm,1.6s		LR	LR	
MDJ	comp=Z,410nm,15.1s		LR	LR	
MDJ	comp=Z,360nm,18.3s		LR	LR	
MDJ	comp=Z,790nm,28.7s		LR	LR	
MDJ	Mudanjiang	58.12 338	eP	P	00 26 03.9 +0.1
PSI	Prapat	58.41 279	P	P	00 26 05.0 -1.6
PSI	comp=Z,4.2nm,0.6s,baz=180,slow=7.1,SNR=3.8		LR	LR	00 52 43.8
PSI	comp=Z,424nm,21.7s,baz=91,slow=38		LR	LR	
PSI	Prapat	58.41 279	eP	P	00 26 04.3 -2.3
PSI	comp=Z,46nm,1.5s		P	P	00 26 04.3 -2.3
PSI			pmax	pmax	
TRTT	Trang	58.81 284	P	P	00 26 18.9 +1.0
NONG	Nongkai	58.83 297	P	P	00 26 09.6 +0.4
SKR	Severo-Kuril's	58.89 360	eP	P	00 26 08.1 -0.9
SKR	comp=Z,36nm,1.6s		pmax	pmax	
SKR	comp=Z,100nm,7.2s		pmax	pmax	
SKR	comp=Z,300nm,10.5s		pmax	pmax	
CN2	Changchun	59.11 334	eP	P	00 26 10.6 -0.1
CN2	comp=Z,20nm,0.9s		sP	sP	00 26 15.1 -1.6
CN2	comp=Z,200nm,6.0s		PcP	PcP	00 26 58.7 -0.6
CN2	comp=Z,200nm,6.0s		eS	eS	00 34 16.5 -1.1
CN2	comp=Z,20nm,0.9s		pmax	pmax	
CN2	comp=Z,500nm,22.0s		LR	LR	
CN2	comp=Z,500nm,22.0s		LR	LR	
CN2	comp=Z,550nm,24.0s		LR	LR	
ENH	Enshi	59.27 313	eP	P	00 26 10.8 -1.3
ENH	comp=Z,34nm,1.3s		P	P	00 26 15.4 +1.7
GYA	Guiyang	59.46 307	P	P	00 28 28.0 +2.9
GYA	comp=Z,20nm,1.0s		PP	PP	00 34 23.2 +0.2
GYA	comp=Z,130nm,5.4s		S	S	00 38 19.0 +0.5
GYA	comp=Z,510nm,18.7s		SS	SS	
GYA	comp=Z,530nm,18.2s		pmax	pmax	
GYA	comp=Z,540nm,18.6s		pmax	pmax	
PBKT	Sadao Pong	60.23 294	P	P	00 26 19.7 +0.8
TYV	Tymovskoe	60.27 350	eP	P	00 26 18.6 +0.1
TYV	comp=Z,34nm,1.3s		e	e	00 34 42.6
TYV	comp=Z,281nm,8.6s		pmax	pmax	
PHET	Kaeng Krachan	60.28 290	P	P	00 26 20.6 +1.3
PHET	comp=Z,10nm,0.8s		P	P	00 26 20.6 +1.3
BJI	Beijing	60.92 325	iP	P	00 26 24.5 +1.3
BJI	comp=Z,11nm,1.4s		S	S	00 34 38.2 -2.8
BJI	comp=Z,600nm,16.1s		pmax	pmax	
BJI	comp=Z,480nm,14.2s		LR	LR	
BJI	comp=Z,1um,35.8s		LR	LR	
PHIT	Phitsanulok	60.94 295	P	P	00 26 33.1 +9.3
SRDT	SRDT	61.19 291	P	P	00 26 26.5 +1.0
SRDT	comp=Z,23nm,1.5s		P	P	00 26 26.6 +0.7
NANT	Nan	61.25 297	P	P	00 26 26.6 +0.7
PET	Petropavlovsk	61.27 2	eP	P	00 26 26.6 +1.3
PET	comp=Z,16nm,1.1s		eS	eS	00 34 44.3 -0.6
PET	comp=Z,200nm,11.3s		eP	eP	00 35 02.5 +3.2
PET	comp=Z,11nm,0.8s,baz=157,slow=6.2		pmax	pmax	
UTHA	Uthaitani	61.27 293	P	P	00 26 26.8 +0.7
UTHA	comp=Z,5.7nm,0.9s,comp=Z,60nm		P	P	00 26 23.1 -2.6
PEAOB	Petropavlovsk	61.33 1	eP	P	00 26 25.1 -0.6
PEAOB	comp=Z,16nm,0.8s		P	P	00 26 25.1 -0.6
PETK	Petropavlovsk	61.33 1	eP	P	00 26 25.1 -0.6
PETK	comp=Z,11nm,0.8s,baz=157,slow=6.2		LR	LR	00 49 32.3
PETK	comp=Z,1um,21.2s,baz=180,slow=33		LR	LR	
PETK	Petropavlovsk	61.33 1	eP	P	00 26 24.7 -1.1
PETK	Petropavlovsk	61.33 1	eP	P	00 26 24.7 -1.1
KLR	Kul'dur	61.38 342	iP	P	00 26 26.6 +0.5
KLR	comp=Z,3.3nm,1.2s,baz=152,slow=4.6,SNR=37		P	P	00 26 25.9 -0.3
GRNR	Gornyy	61.48 346	eP	P	00 26 29.1 +2.3
GRNR	comp=Z,84nm,1.0s		pmax	pmax	
XAN	Xi'an	61.74 316	P	P	00 26 29.5 +0.6
XAN	comp=Z,8.0nm,0.9s		S	S	00 34 50.5 -1.2
XAN	comp=Z,230nm,6.1s		SS	SS	00 38 55.6 +1.8
XAN	comp=Z,380nm,17.3s		pmax	pmax	
XAN	comp=Z,250nm,21.6s		LR	LR	
XAN	comp=Z,560nm,24.0s		LR	LR	
KMI	Kunming	62.01 304	P	P	00 26 32.0 +0.8
KMI	comp=Z,32nm,1.6s,baz=268		pP	pP	00 26 38.1 +1.0
KMI	comp=Z,29nm,1.3s		sP	sP	00 26 40.3 +4.8
KMI	comp=Z,120nm,3.1s		PP	PP	00 28 55.0 +7.2
KMI	comp=Z,300nm,23.6s		S	S	00 34 59.1 +3.3
KMI	comp=Z,340nm,22.2s		sS	sS	00 35 09.1 +6.1
KMI	comp=Z,500nm,26.0s		SKS	SKS	00 36 24.5 +1.0
KMI	comp=Z,29nm,1.3s		pmax	pmax	
KMI	comp=Z,120nm,3.1s		pmax	pmax	
KMI	comp=Z,300nm,23.6s		LR	LR	
KMI	comp=Z,340nm,22.2s		LR	LR	
KMI	comp=Z,500nm,26.0s		LR	LR	
UMPA	Umpang Tak	62.02 293	P	P	00 26 39.5 +8.4
LAMP	Lampang	62.10 296	P	P	00 26 32.7 +1.1
LAMP	comp=Z,6.8nm,0.7s,comp=Z,91nm		P	P	00 45 17.0
TAOE	Nuku Hiva Ista	62.63 96	eLR	LR	00 45 17.0
CM01	Chiang Mai Arr	62.67 296	eP	P	00 26 35.5 +0.1
CMAR	Chiang Mai Arr	62.69 296	P	P	00 26 36.3 +0.7
CMAR	comp=Z,9.9nm,0.9s,baz=118,slow=4.9,SNR=44		LR	LR	00 50 17.1
CMAR	comp=Z,166nm,21.8s,baz=110,slow=33		LR	LR	00 55 47.2
CMAR	comp=Z,0.6nm,0.3s,baz=275,slow=4.1,SNR=6.0		PKP2bc	PKP2bc	
CMMT	Chiang Mai	62.81 296	P	P	00 26 36.8 +0.4
CMMT	comp=Z,32nm,1.6s,comp=Z,43nm		P	P	00 26 36.0 -0.4
CHTO	Chiang Mai	62.81 296	eP	P	00 26 36.0 -0.4
CHTO	Chiang Mai	62.81 296	eP	P	00 26 36.0 -0.4
CHTO	Chiang Mai	62.81 296	eP	P	00 26 36.0 -0.4
NKL	Nikolayevsk	62.81 349	eP	P	00 26 32.0 -3.6
NKL	comp=Z,142nm,1.6s,comp=Z,2um		e	e	00 35 07.0
NKL	comp=Z,142nm,1.6s,comp=Z,2um		e	e	00 36 30.0
NKL	comp=Z,142nm,1.6s,comp=Z,2um		pmax	pmax	

NKL	comp=Z,55nm,1.1s		pmax	pmax	
CMAI	Chengmao	63.12 297	P	P	00 26 40.4 +1.8
CMAI	comp=Z,5.5nm,1.5s		P	P	00 26 43.1 +0.1
CD2	Chengdu	63.84 310	iP	P	00 26 46.3 -1.1
CD2			pP	pP	00 29 03.4 -0.2
CD2			PP	PP	00 35 19.0 +0.8
CD2			S	S	00 35 24.5 -0.9
CD2			SS	SS	00 39 28.3 +1.5
CD2	comp=Z,40nm,0.6s		pmax	pmax	
CD2	comp=Z,250nm,5.6s		LR	LR	
CD2	comp=Z,650nm,18.4s		LR	LR	
CD2	comp=Z,590nm,18.9s		LR	LR	
CD2	comp=Z,690nm,21.9s		LR	LR	
HHC	Hu-ho-hao-te	64.10 323	eP	P	00 26 34.2 -1.0
HHC	comp=Z,225nm,1.0s		sP	sP	00 26 44.3 -4.7
HHC	comp=Z,210nm,7.8s		S	S	00 35 05.4 -1.6
HHC	comp=N,400nm,16.4s		sS	sS	00 39 07.0 -2.4
HHC	comp=E,380nm,17.3s		SS	SS	
HHC	comp=Z,570nm,18.1s		pmax	pmax	
CASY	Casey	65.66 199	eP	P	00 26 52.4 -1.8
CASY	comp=Z,10nm,0.9s		P	P	00 26 55.6 -0.1
HIA	Hailar	65.84 335	eP	P	00 26 55.5 -0.2
HIA	comp=Z,37nm,1.2s		eP	eP	00 27 00.2 +0.8
LZH	Lanzhou	66.35 315	iP	P	00 27 04.9 +0.5
LZH	comp=Z,29nm,1.1s		pP	pP	00 27 08.8 +5.0
LZH	comp=Z,29nm,1.1s		PP	PP	00 29 27.9 +2.2
LZH	comp=Z,29nm,1.1s		S	S	00 35 44.8 -4.3
LZH	comp=Z,29nm,1.1s		sS	sS	00 35 54.0 -0.5
LZH	comp=Z,29nm,1.1s		SS	SS	00 40 06.9 +1.0
LZH	comp=Z,450nm,7.9s		pmax	pmax	
LZH	comp=Z,570nm,17.3s		LR	LR	
LZH	comp=Z,550nm,18.1s		LR	LR	
LZH	comp=Z,920nm,18.6s		LR	LR	
ZEZ	Zeya	66.70 342	eP	P	00 27 00.5 -0.5
ZEZ	comp=N,94nm,1.0s		eS	eS	00 35 53.0 +0.7
ZEZ	comp=N,94nm,1.0s		pmax	pmax	
ZEZ	comp=E,35nm,1.0s		pmax	pmax	
ZEZ	comp=Z,130nm,1.0s		pmax	pmax	
ZEZ	comp=Z,400nm,6.0s		smax	smax	
ZEZ	comp=N,200nm,12.0s		smax	smax	
RKT	Rikitea	67.08 111	eLR	LR	00 47 26.0
MA2	Magadan	67.96 357	eP	P	00 27 08.0 -0.9
MA2	Magadan	67.96 357	eP	P	00 27 08.0 -0.9
VNA	Vanda	69.09 179	eP	P	00 27 15.7 -0.2
VNA	comp=N,6.3nm,1.1s,baz=340,slow=6.8,SNR=9.1		LR	LR	00 51 44.7
VNA	comp=N,775nm,21.9s,baz=3.5,slow=31		LR	LR	00 27 15.7 -0.2
VNA	comp=N,12nm,1.1s		eP	eP	00 27 15.7 -0.2
VNA	comp=N,12nm,1.1s		pmax	pmax	
SBA	Scott Base	69.58 178	eP	P	00 27 19.2 +0.4
SBA	comp=Z,29nm,1.5s		eP	eP	00 27 19.2 +0.4
SBA	comp=Z,29nm,1.5s		pmax	pmax	
CLNS	Chui'man	70.04 342	eP	P	00 27 23.1 +1.2
CLNS	comp=Z,24nm,1.1s		pmax	pmax	
CLNS	comp=E,17nm,1.1s		pmax	pmax	
CLNS	comp=N,20nm,1.3s		pmax	pmax	
CLNS	comp=N,17nm,1.1s		P	P	00 27 27.4 +0.5
GTA	Gaotai	70.77 317	eP	P	00 27 32.2 +0.2
GTA	comp=N,20nm,1.3s		sP	sP	00 27 36.5 +5.3
GTA	comp=N,20nm,1.3s		S	S	00 36 41.3 -0.3
GTA	comp=N,20nm,1.3s		sS	sS	00 36 48.1 -0.8
GTA	comp=N,20nm,1.3s		SS	SS	00 41 15.4 +1.3
GTA	comp=N,10.0nm,1.5s		pmax	pmax	
GTA	comp=N,250nm,5.6s		LR	LR	
GTA	comp=N,300nm,20.6s		LR	LR	
GTA	comp=N,340nm,20.3s		LR	LR	
GTA	comp=N,640nm,23.7s		LR	LR	
ULN	Ulaanbaatar	70.99 327	eP	P	00 27 28.7 +0.6
ULN	comp=N,83nm,1.6s		eP	eP	00 27 28.7 +0.6
ULN	comp=N,83nm,1.6s		pmax	pmax	
ULN	comp=Z,28nm,1.4s		P	P	00 27 28.1 -1.0
SEY	Seymchan	71.24 358	eP	P	00 27 32.0 +1.8
SHL	Shilling	71.26 301	eP	P	00 27 30.4 +0.3
SONM	Songjo Array	71.33 327	P	P	00 27 29.8 -0.3
SONM	comp=Z,9.3nm,0.9s,baz=138,slow=5.8,SNR=39		P	P	00 27 35.0 +2.1
SONM	comp=Z,9.3nm,0.9s,baz=138,slow=5.8,SNR=39		iP	iP	00 27 49.0
MIR	Mirnyy	71.88 202	iP	P	00 27 49.0
MIR	comp=Z,81nm,1.5s		pmax	pmax	
LSA	Lhasa	73.26 304	P	P	00 27 43.3 +0.8
LSA	comp=Z,23nm,1.3s		P	P	00 27 43.1 +0.6
LSA	comp=Z,48nm,1.1s		eP	eP	00 27 43.1 +0.6
LSA	comp=Z,48nm,1.1s		pmax	pmax	
LSA	comp=Z,48nm,1.1s		P	P	00 27 39.7 -1.6
YAK	Yakutsk	73.28 347	eP	P	00 27 49.0 +1.7
YAK	comp=Z,49nm,1.1s		ePP	ePP	00 27 54.2
YAK	comp=Z,49nm,1.1s		eS	eS	00 37 06.3 -2.9
YAK	comp=Z,49nm,1.1s		e	e	00 37 39.5
YAK	comp=Z,41nm,1.0s		pmax	pmax	
YAK	comp=E,3.0nm,0.9s		pmax	pmax	
YAK	comp=N,6.0nm,1.0s		pmax	pmax	
YAK	comp=Z,110nm,3.7s		pmax	pmax	
YAK	comp=E,45nm,3.1s		pmax	pmax	
YAK	comp=N,139nm,3.5s		smax	smax	
YAK	comp=E,69nm,1.8s		MLR	MLR	
YAK	comp=Z,252nm,18.0s		MLR	MLR	
YAK	comp=N,272nm,17.0s		MLR	MLR	
YAK	comp=E,69nm,1.6s		MLR	MLR	
ZAK	Zakamensk	74.48 328	eP	P	00 27 48.2 -0.5
ZAK	comp=Z,19nm,1.3s		eP	eP	

Table with columns: CYA, MRA, Choya, San Martin, 5.32 79 eP, Pn, 00 36 21.4 -0.1, 00 36 28.2 -0.8

MEX 11 00:35:10.9-0.6, 16.28N-98.23W, h12km, 4km, MD3.8, Near coast of Guerrero

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

ISCJB 11 00:44:07.8-0.9, 24.2S, 0.1x179.6E, 0.2, h531km, mb3.8/5, Error ellipse: s-maj=20.8km s-min=13.9km az=6.3

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

ISC 11 00:51:33.2-1.2, 2.02S, 127.28E, h0km, mb3.6/3, mb1 3.9/5, mb1mx3.6/5, mbtmp3.6/5, ML3.8/2, Error ellipse: s-maj=43.0km s-min=22.4km az=84.0

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

ISCJB 11 00:51:34.4-0.6, 1.86S, 0.07x127.34E, 0.05, h10km, mb3.6/3, Error ellipse: s-maj=10.6km s-min=7.2km az=1.9

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

ISC 11 00:51:35.6-0.9, 2.03S, 0.06x127.32E, 0.07, h10km, mb3.8/1, n13, r155/14, mb3.8/3, Ceram Sea

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

BUI 11 01:11:32.0-2.3, 8.2S, 127.94E, h24km, mb4.9/32, mb5.0/19, Ms4.3/9, Ms7.4/0.9

Table with columns: MRSI, Marisa, 531nm, 0.7s, 5um, 6.00 294 P, Pn, 01 13 05.7 -0.9

Table with columns: RKPI, Ransiki, Papua, 6.80 86 P, Pn, 01 13 20.1 +2.5

Table with columns: FITZ, Fitzroy Crossi, 16.07 186 ePn, Pn, 01 15 24.3 +0.6

Table with columns: WRAB, Tennant Creek, 19.05 160 ePn, Pn, 01 15 57.2 -2.7

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: WRA, Warramunga Arr, 19.05 160 P, Pn, 01 15 59.1 -0.8

Table with columns: XAN, comp=Z,74nm,3.0s, pmax, pmax

Table with columns: XAN, comp=Z,140nm,15.7s, LR, LR

Table with columns: LZH, Lanzhou, 43.83 332 eP, pP, 01 19 44.0 +0.5

Table with columns: SHL, Shillong, 43.97 311 eP, P, 01 19 44.3 -0.6

Table with columns: HHC, comp=Z,130nm,5.5s, LR, LR

Table with columns: HHC, comp=Z,150nm,14.7s, LR, LR

Table with columns: HHC, comp=Z,120nm,15.5s, LR, LR

Table with columns: HHC, comp=Z,78nm,16.1s, LR, LR

Table with columns: HHC, comp=Z,119nm,20.3s, LR, LR

Table with columns: HHC, comp=Z,2.5nm,0.4s, LR, LR

Table with columns: HHC, comp=Z,108nm,20.1s, LR, LR

Table with columns: HHC, comp=Z,24nm,1.3s, LR, LR

Table with columns: HHC, comp=Z,48nm,0.7s, LR, LR

Table with columns: HHC, comp=Z,43nm,0.8s, LR, LR

Table with columns: HHC, comp=Z,13nm,1.4s, LR, LR

Table with columns: HHC, comp=Z,78nm,0.6s, LR, LR

Table with columns: HHC, comp=Z,7.7nm,0.4s, LR, LR

Table with columns: HHC, comp=Z,37nm,0.9s, LR, LR

Table with columns: HHC, comp=Z,37nm,0.9s, LR, LR

Table of astronomical observations for 11d 2h, listing station names, coordinates, and observation details.

Table of astronomical observations for 11d 2h, listing station names, coordinates, and observation details.

IDC 11 01:24:32.2+1.2, 1.96S-127.33E, h0km, mb3.6/3, mb1.3/5, mb1mx3.5/5, mbtm2.0/5, ML3.6/2, Error ellipse: s-maj=33.6km s-min=22.0km az=59.0, Halmahera

Table of astronomical observations for IDC 11 01:24:32.2+1.2, 1.96S-127.33E, listing station names and observation details.

IDC 11 01:27:53.0+2.7, 22.59S-179.46W, h513km, 29km, mb3.2/10, mb1.3/4, 10, mb1mx3.2/43, mbtm2.0/10, Error ellipse: s-maj=26.7km s-min=17.6km az=145.0, ISCJB 11 01:27:53.0+2.7, 22.59S-179.46W, h513km, mb3.7/10, Error ellipse: s-maj=27.9km s-min=14.4km

ISC 11 01:27:58.7+0.8, 22.77S-179.6W, h579km, n20, s1959/21, mb3.5/10, South Fiji Islands

Table of astronomical observations for IDC 11 01:27:53.0+2.7, 22.59S-179.46W, listing station names and observation details.

MEX 11 02:10:13.5-0.7, 16.27N-98.28W, h5km, MD3.5, Near coast of Guerrero

Table of astronomical observations for MEX 11 02:10:13.5-0.7, 16.27N-98.28W, listing station names and observation details.

IDC 11 02:14:20.0+3.2, 53.53N-87.74E, h0km, mb1.2/7, mb1mx2.7/65, mbtm2.7/72, ML2.5/2, Error ellipse: s-maj=25.2km s-min=15.2km az=63.0, Southwestern Siberia

Table of astronomical observations for IDC 11 02:14:20.0+3.2, 53.53N-87.74E, listing station names and observation details.

MEX 11 02:15:17.3-0.3, 15.23N-93.65W, h52km, 9km, MD3.6, Near coast of Chiapas

Table of astronomical observations for MEX 11 02:15:17.3-0.3, 15.23N-93.65W, listing station names and observation details.

NIED 11 02:31:00.45:40N, 152:00E, h26km, Mw5.7 Best double couple: Ma4.27000x1017, NP1:348.00000, 852.00000, 1.37.00000, NP2:203.00000, 862.00000, 1.136.00000, ISCJB 11 02:31:14.7:0.5, 45:28N, 0:02:151:62E:0.01, h13km, 3km, Mb5.5/94, MS5.6/725, Error ellipse: s-maj=3.2km s-min=1.4km az=161.8, JMA 11 02:31:14.0:0.7, 45:37N, 152:02E, h30km, M5.8, BUJ 11 02:31:14.7:45:44N, 151:44E, h11km, mb5.7/82, mb5.9/70, MS6.0/94, MS7.5/983, IDC 11 02:31:14.4:0.3, 45:35N, 151:54E, h0km, mb5.2/49, mb1.3/54, mb1mx5.2/67, mbtm2.5/64, ML4.0/2, MS5.6/67, Mb1.5/67, ms1mx5.5/73, Error ellipse: s-maj=10.7km s-min=5.7km az=128.0, SKHL 11 02:31:15.8:0.2, 45:02N, 151:88E, h40km, 7km, mb6.3/11, MS6.1/9, ms6.1/9, NEIC 11 02:31:16.7:0.1, 45:40N, 151:42E, h10km, mb5.6/297, MS5.5/298, MW5.7, MW5.7, Error ellipse: s-maj=3.7km s-min=2.5km az=160.0, Moment Tensor Solution. 1.0 Moment tensor: Scale 1017Nm; Mr:2.14; Mw:2.09; Mv:0.05; Mn:1.69; Mo:1.92; Ms:2.18; Best double couple: Ma4.00000x1017, NP1:265.00000, 828.00000, 7.31.00000, NP2:40.00000, 870.00000, 7.1.00000, Principal axes: T: 3.5300, Plg1.0000, Azm262.0000, N: 0.7700, Plg18.0000, Azm1.0000, P: 4.3000, Plg2.0000, Azm145.0000, GCMT 11 02:31:16.7:0.1, 45:29N, 151:83E, h19km, MW5.7/129, Moment Tensor Solution. 1.0 Moment tensor: Scale 1017Nm; Duration: 1s7 Moment tensor: Scale 1017Nm; Mr:3.25; Ms:0.05; Mn:1.37; Mo:1.88; Ms:0.1; Mw:1.16; Ms:0.05; Mw:1.25; Ms:0.09; Best double couple: Ma4.25700x1017, NP1:32.00000, 864.00000, 7.82.00000, NP2:231.00000, 827.00000, 7.107.00000, Principal axes: T: 4.2000, Plg70.0000, Azm284.0000, N: 0.1130, Plg8.0000, Azm36.0000, P: 4.3130, Plg10.0000, Azm128.0000, nsta1 refers to body waves, cutoff=50s, nsta2 refers to surface/mantle waves, cutoff=50s, NEIC 11 02:31:17.0:0.0, 45:51N, 151:47E, h23km, Moment Tensor Solution. s33 Moment tensor: Scale 1017Nm; Mr:1.51; Mw:0.74; Ms:0.77; Ms:0.17; Mw:0.66; Ms:0.35; Best double couple: Ma4.10000x1017, NP1:35.00000, 880.00000, 1.87.00000, NP2:231.00000, 811.00000, 1.05.00000, Principal axes: T: 4.1500, Plg5.0000, Azm301.0000, N: -0.1300, Plg2.0000, Azm35.0000, P: -0.2000, Plg34.0000, Azm127.0000, MOS 11 02:31:18.5:1.2, 45:36N, 151:49E, h37km, mb5.7/105, MS5.7/104, Error ellipse: s-maj=5.2km s-min=3.9km az=104.0, ISC 11 02:31:19.0:0.3, 45:36N, 151:46E, h26km, 1km, h26km-P, P, n2240, s170/2196, mb5.6/652, MS5.6/771, 167C-24D, Kuril Islands

Table of astronomical observations for NIED 11 02:31:00.45:40N, 152:00E, listing station names and observation details.

Table of astronomical observations for IDC 11 01:27:53.0+2.7, 22.59S-179.46W, listing station names and observation details.

Table of astronomical observations for ISC 11 01:27:58.7+0.8, 22.77S-179.6W, listing station names and observation details.

Table of astronomical observations for MEX 11 02:10:13.5-0.7, 16.27N-98.28W, listing station names and observation details.

Table of astronomical observations for IDC 11 02:14:20.0+3.2, 53.53N-87.74E, listing station names and observation details.

Table of astronomical observations for MEX 11 02:15:17.3-0.3, 15.23N-93.65W, listing station names and observation details.

YAK	comp=Z,12um,18.0s	MLR	MLR				
YAK	comp=N,31um,16.0s	MLR	MLR				
YAK	comp=E,19um,15.0s	MLR	MLR				
KIWB	Kanaga Island	21.64	61	eP	P	02 36 04.2	-2.9
HIA	Hailar	21.77	292	eP	P	02 36 07.7	-0.9
HIA	comp=E,88nm,1.2s						
HIA	comp=Z,44um,18.0s			LR	LR		
HIA	Hailar	21.77	292	iP	P	02 36 06.9	-1.7
HIA	comp=Z,84nm,1.2s				pmax		
DL2	Dalian	22.96	264	iP	S	02 36 20.6	-0.7
DL2					S	02 40 31.9	+2.1
DL2	comp=Z,120nm,1.4s				pmax		
DL2	comp=Z,4um,7.2s			LR	LR		
DL2	comp=Z,7um,16.5s			LR	LR		
DL2	comp=Z,9um,18.6s			LR	LR		
DL2	comp=Z,10um,18.8s			LR	LR		
ATKA	Atka Island	23.48	61	PFAKE	LR	02 36 40.0	+1.4
ATKA	Chita	25.67	299	eP	P	02 36 46.3	-0.3
CIT				e		02 37 04.7	
CIT				e		02 37 26.6	
CIT				e			
CIT	comp=Z,89nm,1.7s				pmax		
BOD	Bodaibo	26.03	312	eP	P	02 36 46.7	-3.0
BOD	comp=Z,52nm,1.4s				pmax		
JOW	Kunigami	26.16	233	P	P	02 36 50.0	-1.3
JOW	comp=Z,102nm,0.9s,baz=54,slow=7.1,SNR=12				S	02 41 20.2	-1.3
JOW	Kunigami	26.16	233	eP	P	02 36 51.0	-0.3
JOW	comp=Z,441nm,1.3s						
JOW	Beijing	26.33	271	eS	S	02 41 20.2	-1.3
BJI				P	pmax	02 36 52.6	0.0
BJI	comp=Z,250nm,1.4s			LR	LR		
BJI	comp=Z,9um,16.7s			LR	LR		
BJI	comp=Z,7um,20.0s						
BJT	Baijatuau	26.34	271	eP	P	02 36 53.9	+1.2
BJT	Baijatuau	26.34	271	eP	P	02 36 53.9	+1.2
BJT	comp=Z,283nm,1.1s						
BJT	comp=Z,31um,19.0s			LR	LR		
BJT	Baijatuau	26.34	271	eP	P	02 36 53.9	+1.2
BJT	comp=Z,283nm,1.1s				pmax		
BJT	comp=Z,31um,19.0s			MLR	MLR		
NIKH	Nikolski High	26.76	59	PFAKE	LR	02 37 10.0	+1.4
NIKH	Tai'an	27.38	263	P	P	02 37 01.4	-0.8
TIA				pP	pP	02 37 07.8	-1.9
TIA				S	S	02 41 46.1	+5.5
TIA				sS	sS	02 41 50.3	+1.1
TIA	comp=Z,51nm,1.8s				pmax		
TIA	comp=Z,2um,5.8s			LR	LR		
TIA	comp=Z,9um,16.9s			LR	LR		
TIA	comp=Z,8um,20.0s			LR	LR		
TIA	comp=Z,10um,18.8s			LR	LR		
SSE	Sheshan	27.52	249	P	P	02 37 03.9	+0.5
SSE				S	S	02 41 46.8	+3.9
SSE	comp=Z,72nm,1.9s				pmax		
SSE	comp=Z,1.0nm,2.9s			LR	LR		
SSE	comp=Z,7um,17.9s			LR	LR		
SSE	comp=Z,7um,17.8s			LR	LR		
NJ2	Nanjing	28.49	254	eP	P	02 37 12.3	+0.2
NJ2				sP	pP	02 37 17.8	-1.9
NJ2				S	S	02 42 02.8	+4.7
NJ2	comp=Z,24nm,0.6s				pmax		
NJ2	comp=Z,2um,6.5s			LR	LR		
NJ2	comp=Z,24um,18.4s			LR	LR		
NJ2	comp=Z,23um,18.4s			LR	LR		
NJ2	comp=Z,13um,15.2s			LR	LR		
TIXI	Tiksi	28.50	345	P	P	02 37 09.1	-2.7
TIXI	comp=Z,8.0nm,0.4s,baz=135,slow=1.1,SNR=17				S	02 42 03.2	+5.6
TIXI	comp=Z,8.2nm,1.0s,baz=87,slow=1.7,SNR=2.4			LR	LR	02 48 49.4	
TIXI	comp=Z,13um,19.5s,baz=140,slow=3.7				P	02 37 08.5	-3.3
TIXI	Tiksi	28.50	345	eP	P	02 37 03.2	+5.6
TIXI	Tiksi	28.50	345	iP	P	02 37 09.5	-2.3
TIXI					pmax		
H112	WAKE ISLAND Hy	28.57	148	T	T	03 07 60.0	
H111	WAKE ISLAND Hy	28.59	148	T	T	03 07 59.4	
H113	WAKE ISLAND Hy	28.59	148	T	T	03 07 59.6	
AKUT	Akutan	28.61	57	PFAKE	LR	02 37 20.0	+7.1
AKUT	comp=Z,6um,18.0s			LR	LR		
WAKE	Wake Island	28.90	149	PFAKE	LR	02 37 30.0	+1.4
WAKE	comp=Z,16um,19.0s						
HHC	Hu-ho-hao-te	29.26	275	eP	P	02 37 20.0	+1.0
HHC				sP	pP	02 37 27.6	+1.0
HHC				S	S	02 42 10.3	0.0
HHC				SS	SnSn	02 43 39.1	+2.7
HHC	comp=Z,270nm,1.1s				pmax		
HHC	comp=Z,3um,5.0s			LR	LR		
HHC	comp=Z,35um,16.4s			LR	LR		
HHC	comp=Z,33um,17.3s			LR	LR		
HHC	comp=Z,36um,15.9s			LR	LR		
H11S1	WAKE ISLAND Hy	29.63	150	T	T	03 09 18.6	
H11S3	WAKE ISLAND Hy	29.63	150	T	T	03 09 16.8	
H11S2	WAKE ISLAND Hy	29.64	150	T	T	03 09 17.6	
TIV	Taiyuan	29.96	269	eP	P	02 37 25.2	0.0
TIV				S	S	02 42 24.9	+3.6
TIV				SS	SnSn	02 43 56.7	+3.2
TIV	comp=Z,90nm,1.0s				pmax		
TIV	comp=Z,1um,5.1s			LR	LR		
TIV	comp=Z,5um,15.4s			LR	LR		
TIV	comp=Z,11um,16.2s			LR	LR		
FALS	False Pass	29.98	55	PFAKE	LR	02 37 40.0	+1.5
FALS	Midway	30.02	114	PFAKE	LR	02 37 40.0	+1.4
MIDW				LR	LR		
MIDW	comp=Z,8um,20.0s						
BTO	Baotou	30.43	276	eP	P	02 37 29.6	+0.2

BTO	comp=Z,32nm,1.6s				pmax		
ANM	Nome	30.50	36	PFAKE	LR	02 37 40.0	+1.0
ANM	comp=Z,8um,19.0s						
SONA1	Songino Array	30.72	291	eP	P	02 37 32.3	+0.4
SONA0	Songino Array	30.73	291	eP	P	02 37 30.7	-1.3
SONA0				ePcP	PcP	02 40 29.3	+0.2
SONM	Songino Array	30.73	291	P	P	02 37 30.7	-1.3
SONM	comp=Z,32nm,1.0s,baz=73,slow=5.9,SNR=49				PcP	02 40 29.3	+0.2
SONM	comp=Z,8.2nm,1.1s,baz=96,slow=3.0,SNR=3.7			LR	LR		
SONM	comp=Z,26um,18.8s,baz=84,slow=3.9					02 51 04.3	
YOJ	Yonaguni jima	31.02	237	PFAKE	LR	02 37 50.0	+1.5
YOJ	comp=Z,7um,22.0s						
TATO	Taipei	31.56	240	PFAKE	LR	02 37 50.0	+1.1
TATO	comp=Z,25um,20.0s						
SDPT	Sand Point	31.66	54	PFAKE	LR	02 37 50.0	+1.0
SDPT	comp=Z,8um,19.0s			LR	LR		
TLY	Talaya	31.82	299	LR	LR	02 51 49.8	
TLY	comp=Z,38um,18.3s,baz=80,slow=3.5						
TLY	Talaya	31.82	299	eP	P	02 37 41.3	0.0
TLY	comp=Z,53nm,1.2s						
TLY	comp=Z,38um,18.0s			LR	LR		
TLY	Talaya	31.82	299	P	P	02 37 42.6	+1.3
TLY	SNR=23						
TLY	Talaya	31.82	299	eP	P	02 37 39.6	-1.8
TLY				e		02 39 08.5	
TLY				ePPP	PPP		
TLY				ePmax	pmax		
TLY	comp=Z,54nm,1.3s				MLR	MLR	
TLY	comp=Z,36um,19.0s						
YHNB	Yeheng	31.85	240	PFAKE	LR	02 37 50.0	+8.1
YHNB	comp=Z,29um,20.0s						
NACB	Ninganchiao	32.09	239	PFAKE	LR	02 38 00.0	+1.6
NACB	comp=Z,17um,20.0s						
GUMO	Guam	32.15	192	LR	LR	02 50 51.1	
ZAK	Zakamensk	32.24	297	eP	P	02 37 44.7	-0.5
ZAK				e		02 40 28.4	
ZAK					pmax		
WHN	Wuhan	32.47	256	iP	P	02 37 46.6	-0.6
WHN				S	S	02 43 02.4	+2.0
WHN	comp=Z,50um,20.2s			LR	LR		
WHN	comp=Z,16um,19.5s			LR	LR		
WHN	comp=Z,30um,17.1s			LR	LR		
RDOG	Red Dog Mine	32.60	30	eP	P	02 37 48.3	+0.3
RDOG	comp=Z,58nm,1.3s						
RDOG	comp=Z,8um,20.0s			LR	LR		
SSLB	Suanglung	32.76	239	eP	P	02 37 50.7	+0.8
SSLB	comp=Z,40nm,1.1s						
SSLB	comp=Z,24um,20.0s			LR	LR		
CHGN	Chignik	32.79	52	PFAKE	LR	02 38 00.0	+1.0
CHGN	comp=Z,8um,19.0s						
YULB	Yu-i	32.85	238	eP	P	02 37 53.4	+2.8
YULB	comp=Z,55nm,1.2s			LR	LR		
TPUB	Ta-pu	33.32	239	eP	P	02 37 55.0	+0.2
TPUB	comp=Z,87nm,1.0s			LR	LR		
TPUB	comp=Z,20um,20.0s						
OZH	Quanzhou	33.38	244	iP	P	02 37 55.6	+0.4
OZH				S	S	02 43 18.5	+3.9
OZH	comp=Z,2um,3.6s				pmax		
OZH	comp=Z,4um,18.2s			LR	LR		
OZH	comp=Z,9um,15.7s			LR	LR		
OZH	comp=Z,8um,16.6s			LR	LR		
TWG	Pinlang	33.42	238	eP	P	02 37 56.1	+0.5
TWG	comp=Z,361nm,0.9s						
TWG	comp=Z,23um,19.0s			LR	LR		
MOY	Mondy	33.45	299	eP	P	02 37 54.9	-0.9
MOY	comp=Z,76nm,2.5s				pmax		
XAN	Xi'an	34.25	266	P	P	02 38 02.7	-0.1
XAN				S	S	02 43 26.5	-1.7
XAN				PcS	PcS	02 44 26.7	+1.4
XAN				SS	SnSn	02 45 38.8	+0.9
XAN	comp=Z,61nm,1.6s				pmax		
XAN	comp=Z,1um,5.9s				pmax		
XAN	comp=Z,9um,16.7s			LR	LR		
XAN	comp=Z,10um,16.7s			LR	LR		
XAN	comp=Z,14um,17.2s			LR	LR		
SVW2	Sparrow	34.30	43	PFAKE	LR	02 38 10.0	+7.1
SVW2	comp=Z,4um,22.0s						
OHAK	Old Harbor	35.55	50	eP	P	02 38 12.7	-0.9
OHAK	comp=Z,242nm,1.2s						
KNGR	Kungting, Tuv	35.81	298	iP	P	02 38 16.3	+0.2
KDAK	Kodiak Island	35.88	49	eP	P	02 38 16.0	-0.5
KDAK	comp=Z,167nm,1.1s						
KDAK	comp=Z,14um,19.0s			LR	LR		
PPLA	Purkeypile	35.88	49	eP	P	02 38 15.7	-0.8
PPLA	comp=Z,296nm,1.4s						
PPLA	comp=Z,9um,20.0s			LR	LR		
ENH	Enshi	35.98	260	eP	P	02 38 17.6	-0.1
ENH	comp=Z,179nm,1.3s						
ENH	comp=Z,6um,19.0s			LR	LR		
CAST	Castle Rocks	36.04	40	eP	P	02 38 18.1	+0.2
CAST	comp=Z,90nm,1.2s						
CAST	comp=Z,5um,20.0s			LR	LR		
HOM	Home	36.25	46	PFAKE	LR	02 38 30.0	+1.0
HOM	comp=Z,4um,20.0s						
SKT	Skwentna	36.26	42	eP	P	02 38 20.0	+0.2
SKT	comp=Z,76nm,1.4s			LR	LR		

USP	Ospenovka	53.09 297	P	P	02 40 35.2 +1.0
APSI	Ampana	53.09 218	P	P	02 40 33.7 -0.6
KBK	Karagaybulak	53.12 296	P	P	02 40 35.6 +1.1
BRDH	Bariadhala	53.18 266	P	P	02 40 35.4 +0.4
KRU	Kyzart	53.23 296	P	P	02 40 37.4 +1.8
FRU	Bishkek	53.24 297	eP	P	02 40 35.0 -0.2
FRU			eS	S	02 41 40.0
FRU			e	S	02 40 04.0 -0.7
FRU			e	S	02 50 16.0
FRU1	Bishkek	53.24 297	PFAKE	LR	02 40 50.0 +1.5
AAK	Ala-Archa	53.42 296	P	P	02 40 37.4 +0.8
AAK	Ala-Archa	53.42 296	eP	P	02 40 37.6 +0.9
AAK	Ala-Archa	53.42 296	eP	P	02 40 37.6 +0.9
AAK			LR	LR	
ODAN	Odare	53.55 273	eP	P	02 40 38.8 +0.9
UCH	Uchtor	53.62 296	P	P	02 40 39.8 +1.2
SRDT	SRDT	53.69 252	P	P	02 40 40.5 +1.8
KBS	Kingsbay	53.70 351	eP	P	02 40 37.9 -0.1
KBS			LR	LR	
KBS	Kingsbay	53.70 351	eP	IAMB	02 40 37.0 -1.0
KBS			IAMB	IAMB	02 40 39.6
KBS			IAMS_20	IAMS_20	03 04 53.9
SPA0	Spitsbergen Ar	53.78 350	eP	P	02 40 39.1 +0.4
SPA0	Spitsbergen Ar	53.78 350	eP	P	02 40 38.5 +0.1
SPA0			IAMS_20	IAMS_20	03 04 58.5
SPITS	Spitsbergen Ar	53.78 350	P	P	02 40 37.5 -1.2
SPITS			LR	LR	03 05 13.1
EKS2	Erkin-Say	53.86 297	P	P	02 40 40.9 +1.1
JIRN	Jiri	53.90 274	eP	P	02 40 41.7 +1.0
GUN	Gumba	53.97 275	eP	P	02 40 42.0 +0.9
RAMN	Ramite	54.05 273	eP	P	02 40 42.3 +0.7
SVE	Sverdlouk	54.07 317	eP	P	02 40 39.8 -1.2
SVE			pmax	pmax	
SVE			MLR	MLR	
KSH	Kashi	54.12 292	P	P	02 40 46.4 +4.6
KSH			sP	sP	02 40 53.3 +0.4
KSH			eP	eP	02 41 49.4 +3.1
KSH			P	P	02 45 48.0 +2.2
KSH			S	S	02 48 22.7 +5.9
KSH			S	S	02 50 31.8 +2.4
KSH			pmax	pmax	
KSH			pmax	pmax	
KSH			LR	LR	
KSH			LR	LR	
KSH			LR	LR	
KSH			LR	LR	
AML	Almayashu	54.19 296	P	P	02 40 44.0 +1.4
PHET	Kaeng Krachan	54.38 251	P	P	02 40 46.0 +2.2
KKN	Kakani	54.46 275	eP	P	02 40 45.5 +0.9
PKN	Phulochoi	54.51 275	eP	P	02 40 45.5 +0.9
PMG	Port Moresby	54.65 185	P	P	02 40 44.5 -1.1
PMG			LR	LR	03 00 52.8
DMN	Daman	54.70 275	eP	P	02 40 47.3 +1.0
GKN	Gorkha	54.79 276	eP	P	02 40 47.7 +0.9
HSPB	Hornshund (broa)	54.83 349	eP	S	02 40 44.8 -1.4
SUBM	Sibu	54.85 231	PFAKE	LR	02 48 24.4 -0.7
SUBM			LR	LR	02 41 00.0 +1.3
LLLB	Lilloet	55.06 51	eP	P	02 40 48.4 0.0
LLLB			LR	LR	
HNR	Honiarra	55.07 170	LR	LR	03 03 09.4
DANN	Dangsing	55.19 277	eP	P	02 40 51.0 +1.1
PGC	Sidney	55.20 54	PFAKE	LR	02 41 00.0 +1.1
PGC			LR	LR	
ARU	Arti	55.26 318	eP	P	02 40 48.5 -1.2
ARU			LR	LR	
ARU	Arti	55.26 318	eP	P	02 40 47.7 -1.9
ARU			e	e	02 41 46.5
ARU			e	e	02 42 51.8
ARU			PPP	PPP	02 44 02.6
ARU			eS	eS	02 48 29.3 -2.1
ARU			SS	SS	02 52 16.5 +1.4
ARU			SSS	SSS	02 54 23.4
ARU			pmax	pmax	
ARU			MLR	MLR	
DZA	Taraz	55.27 298	eP	P	02 40 50.6 +0.7
DZA			LR	LR	03 05 39.4
A04D	Lummi Island	55.58 53	P	P	02 40 50.5 -1.5
NLWA	Neilton Lookou	55.61 55	eP	P	02 40 54.5 +0.2
NLWA			LR	LR	
KOLN	Koldanda	55.66 276	eP	P	02 40 54.0 +0.8
KK31	Karatay Array	55.66 299	eP	P	02 40 53.0 +0.2
KK31			eP	eP	02 42 53.1 -3.7
KK31			iP	iP	02 40 53.0 +0.2
KK31			pmax	pmax	
KKAR	Karatay Array	55.66 299	eP	P	02 40 53.0 +0.2
KKAR			eP	eP	02 42 53.0 -3.8
KKAR			eP	eP	02 40 53.0 +0.2
KKAR			eP	eP	02 42 53.0
TULEG	Thule	55.71 11	eP	P	02 40 52.2 -0.3
TULEG			LR	LR	
PYUN	Piuthan	55.88 277	eP	P	02 40 55.7 +0.9
B05A	Bryant	56.17 53	P	P	02 40 55.4 -0.9
E03A	Leban	56.24 56	eP	P	02 40 58.6 +1.8
E03A			LR	LR	
B06A	Marblemount	56.38 53	eP	P	02 40 58.8 +1.0
B06A			LR	LR	
IUG	Iuzhnyy	56.48 298	iP	P	02 40 59.6 +0.9
IUG			eS	S	02 48 48.9 +0.7

IUG			LR	LR	03 05 51.0
BOK	Bokaro	56.52 271	eP	P	02 40 58.5 -0.6
F03A	Seaside	56.57 56	PFAKE	LR	02 41 10.0 +1.1
F03A			LR	LR	
SPSI	Sidrap Palu	56.64 219	P	P	02 40 59.8 -0.2
KSM	Kuching	56.71 232	eP	P	02 41 01.7 +1.2
KSM			LR	LR	
D05A	Enumclaw	56.80 54	eP	P	02 41 02.3 +1.5
D05A			LR	LR	
F04D	Rainier, OR	56.81 56	P	P	02 40 59.5 -1.4
C06D	Leavenworth	57.03 53	P	P	02 41 01.2 -1.3
WRW	Wenatchee Ridd	57.07 53	eP	P	02 41 02.3 -0.6
G03D	McMinville, O	57.14 57	P	P	02 41 01.6 -1.6
LON	Longmire	57.15 55	eP	P	02 41 04.7 +1.3
LON			LR	LR	
LON	Longmire	57.15 55	eP	P	02 41 04.7 +1.3
LON			pmax	pmax	
LON			MLR	MLR	
COR	Corvallis	57.46 58	eP	P	02 41 05.7 +0.2
COR			LR	LR	
COR	Corvallis	57.46 58	eP	P	02 41 05.7 +0.2
COR			pmax	pmax	
COR			MLR	MLR	
LTY	Liberty	57.52 54	eP	P	02 41 05.9 -0.1
LTY			LR	LR	
LTY	Liberty	57.52 54	eP	P	02 41 05.9 -0.1
LTY			LR	LR	
KAPI	Kappang	57.59 218	PFAKE	LR	02 41 20.0 +1.3
KAPI			LR	LR	
B08A	Colville Reser	57.67 52	eP	P	02 41 06.1 -0.8
B08A			LR	LR	
BKSI	Bulukumba	57.70 218	P	P	02 41 07.3 -0.1
KEBM	Edson Butte	57.79 60	eP	P	02 41 12.6 +4.7
KEBM			LR	LR	
PRGR	Permogore	57.91 327	eP	S	02 41 06.8 -1.6
PRGR			eS	S	02 49 03.2 -3.1
PRGR			pmax	pmax	
I03D	Drain, OR	57.93 59	P	P	02 41 08.9 +0.1
DDI	Dehra Dun	57.97 282	eP	P	02 41 10.2 +0.9
DAG	Danmarks Havn	57.99 357	iP	P	02 41 07.8 -0.9
DAG			LR	LR	
DAG	Danmarks Havn	57.99 357	iP	P	02 41 07.8 -0.9
DAG			pmax	pmax	
DAG			MLR	MLR	
SKLT	Songkhla	58.01 245	P	P	02 41 12.3 +2.6
DHRM	DHARAMSHALA	58.02 285	eP	P	02 41 11.3 +1.4
KNTN	Kanton	58.02 135	PFAKE	LR	02 41 20.0 +1.0
KNTN			LR	LR	
H04A	Detroit Lake	58.07 57	eP	P	02 41 10.0 +0.2
H04A			LR	LR	
SMLA	Simla	58.09 283	eP	P	02 41 10.6 +0.5
SMLA			IAMB	IAMB	02 41 13.2
TRTT	Trang	58.10 246	P	P	02 41 12.7 +2.4
APA	Apatity	58.16 337	iP	P	02 41 09.0 -1.0
APA			iPPP	PPP	02 42 01.0
APA			iS	PPP	02 44 41.0
APA			iPS	PnS	02 49 09.0 -0.4
APA			i	i	02 48 20.0 -2.4
APA			pmax	pmax	02 50 54.0
KBO	Bosley Butte	58.23 60	PFAKE	LR	02 41 20.0 +9.0
KBO			LR	LR	
G05D	Wamic, OR	58.27 56	P	P	02 41 11.1 -0.1
KEV	Kevo	58.27 340	eP	P	02 41 09.7 -1.0
KEV			eP	P	02 41 09.7 -1.0
KEV			LR	LR	
KEV			pmax	pmax	
KEV			MLR	MLR	
HAMF	Hammerfest	58.36 342	eP	P	02 41 11.0 -0.4
HAMF			IAMB	IAMB	02 41 12.2
E07A	Sunnyside	58.37 54	PFAKE	LR	02 41 20.0 +8.1
E07A			LR	LR	
AB31	Akbulak array	58.43 310	P	P	02 41 12.2 0.0
AB31			pmax	pmax	
ABKAR	Akbulak array	58.43 310	eP	P	02 41 11.7 -0.6
I04A	Terick Farm	58.43 58	P	P	02 41 11.9 -0.5
I04A			S	S	02 49 14.9 +1.1
C09A	Chrisman Ranch	58.57 52	eP	P	02 41 12.8 -0.4
C09A			LR	LR	
D08A	Wollman Farm	58.62 53	eP	P	02 41 13.9 +0.3
D08A			LR	LR	
L02D	Cave Junction,	58.64 60	P	P	02 41 11.6 -2.2
HAWA	Hanford	58.65 54	eP	P	02 41 14.6 +0.7
HAWA			LR	LR	
G06A	Carlson Farm	58.67 56	eP	P	02 41 14.1 0.0
G06A			LR	LR	
F07A	Phiny Hill Vi	58.71 55	eP	P	02 41 16.1 +1.9
F07A			LR	LR	
I05D	Terrebonne, OR	58.76 57	P	P	02 41 13.9 -0.8
HUMO	Hull Mountain	58.78 59	eP	P	02 41 14.6 -0.2
HUMO			LR	LR	
ARAO	ARCESS Array S	58.78 341	eP	P	02 41 13.8 -0.7
ARCES	ARCESS Array B	58.78 341	P	P	02 41 13.8 -0.6
ARCES			LR	LR	03 09 53.2
ARCES	ARCESS Array B	58.78 341	P	P	02 41 13.8 -0.6
ARCES			pmax	pmax	
ARCES			MLR	MLR	
AREO	ARCESS Array S	58.78 341	eP	P	02 41 14.7 +0.2
AREO			LR	LR	
AREO	ARCESS Array S	58.78 341	eP	IAMB	02 41 12.7 -1.7
AREO			IAMB	IAMB	02 41 16.5

AREO			IAMS_20	IAMS_20	03 12 45.5
AKTO	Aktuybinsk	58.79 312	P	P	02 41 13.6 -1.1
AKTO			P	P	02 42 05.1 +1.0
AKTO			LR	LR	03 09 11.2
KULLO	Kullorsuaq	58.82 9	iP	P	02 41 13.5 -1.0
KULLO			eP	P	02 41 13.5 -1.0
KULLO			pmax	pmax	
BWNR	Bhubaneswar	58.84 268	eP	P	02 41 16.6 +1.1
E08A	Dider Farm, EI	58.87 54	eP	P	02 41 16.7 +1.4
E08A			LR	LR	
J04D	Umpqua Nationa	58.93 58	P	P	02 41 13.8 -2.3
PKDT	Phuket	58.94 248	P	P	02 41 20.0 +3.8
NEW	Newport	58.94 51	P	LR	03 06 53.6
NEW	Newport	58.94 51	P	P	02 41 13.3 -2.6
NEW	Newport	58.94 51	eP	P	02 41 15.3 -0.6
NEW			LR	LR	
NEW	Newport	58.94 51	eP	P	02 41 15.3 -0.6
NEW			pmax	pmax	
JCC	Jacoby Creek,	59.14 62	PFAKE	LR	02 41 30.0 +1.3
JCC			LR	LR	
NIL	Nilore	59.25 288	eP	P	02 41 19.5 +1.3
NIL			LR	LR	
NIL	Nilore	59.25 288	eP	P	02 41 19.5 +1.3
NIL			pmax	pmax	
NIL			MLR	MLR	
KHMM	Horse Mountain	59.30 61	eP	P	02 41 20.4 +1.9
PINE	Pine Mountain	59.31 57	eP	P	02 41 18.8 +0.1
PINE			LR	LR	
E09A	Wood Farm, Sta	59.37 53	eP	P	02 41 18.4 -0.5
E09A			LR	LR	
KULM	Kulim	59.43 244	eP	P	02 41 20.1 +0.6
KULM			LR	LR	
J05D	Fort Rock				

BMO	comp=Z,2um,21.0s	60.82	55	eP	P	02 41 28.1	-0.8	HLID	comp=Z,40nm,1.3s		LR	LR	MDSI	comp=Z,2um,18.0s	65.05	234	P	P	02 41 56.2	-1.0	
BMO	Blue Mountains							MCMT	comp=Z,3um,18.0s		LR	LR	FWXY	Maura Dua	65.05	234	P	P			
BMO	comp=Z,52nm,1.3s							WAKR	McKenzie Canyo	63.36	52	eP	P	02 41 46.3	+0.2			02 41 58.0	+0.3		
O03D	Paynes Creek	60.83	61	P	P	02 41 26.9	-2.1	WAKR	Walker	63.37	61	eP	P	02 41 46.9	+0.7						
O03D	Paynes Creek	60.83	61	P	P	02 41 28.6	-0.3	BMN	comp=Z,2um,20.0s	63.53	58	eP	P	02 41 47.3	+0.1						
J08A	Circle Bar	61.02	56	eP	P	02 41 35.0	+0.2	BMN	Battle Mountai			LR	LR	RLMT	Red Lodge	65.14	50	P	P	02 41 56.9	-0.9
J08A	comp=Z,2um,20.0s							BMN	comp=Z,62nm,1.3s			LR	LR	RLMT	Red Lodge	65.14	50	eP	P	02 41 57.3	-0.4
GDXM	Geysers	61.09	63	PFAKE	LR	02 41 40.0	+9.2	BMN	Battle Mountai	63.53	58	eP	P	02 41 47.3	+0.1						
GDXM	comp=Z,4um,19.0s							BMN	comp=Z,62nm,1.3s			MLR	MLR	GATR	Gnd/Air Tx Cnt	65.15	65	eP	P	02 41 54.6	-3.1
CHLP	Challavanipeta	61.26	268	eP	IAMB	02 41 32.5	+0.5	BMN	comp=Z,2um,20.0s			MLR	MLR	MOOV	Moose Ponds	65.21	52	eP	P	02 41 59.6	+1.4
CHLP	comp=Z,171nm,1.3s							BOZ	Bozeman (W)	63.55	51	P	P	02 41 45.2	-2.1						
CHLP	comp=Z,1um,16.3s					03 15 02.0		BOZ	baz=309,SNR=34	63.55	51	eP	P	02 41 46.0	-1.3						
MCCM	Marconi Confer	61.43	64	PFAKE	LR	02 41 50.0	+17	BOZ	Bozeman (W)			LR	LR	CTA	comp=Z,2um,20.0s	65.30	185	LR	LR	03 09 13.9	
MCCM	comp=Z,2um,20.0s							BOZ	comp=Z,97nm,1.4s			MLR	MLR	CTAO	Charters Tower	65.30	185	PFAKE	LR	02 42 10.0	+11
ORV	Oroville	61.45	62	eP	P	02 41 33.1	0.0	BOZ	Bozeman (W)	63.55	51	eP	P	02 41 46.0	-1.3						
ORV	comp=Z,2um,19.0s							BOZ	comp=Z,97nm,1.4s			MLR	MLR	HJU	Hansel Valley	65.31	55	eP	P	02 41 59.9	+1.1
ORV	comp=Z,48nm,1.3s							SMRI	Semarang	63.80	227	PFAKE	LR	02 42 00.0	+11						
ORV	comp=Z,2um,19.0s	61.45	62	eP	P	02 41 33.1	0.0	SMRI	SMRI			LR	LR	HJU	Hansel Valley	65.31	55	eP	P	02 41 59.9	+1.1
ORV	comp=Z,2um,19.0s							PVM	Polavaram	63.81	268	eP	IAMB	02 41 49.2	+0.1						
ORV	comp=Z,2um,19.0s							PVM	comp=Z,3um,20.0s			IAMB	IAMB	LOHW	Long Hollow	65.38	52	eP	P	02 41 59.6	+0.2
WVOR	Wild Horse Val	61.47	57	eP	P	02 41 33.9	+0.5	PVM	comp=Z,141nm,1.0s			IVMS_BB	IVMS_BB	LOHW	comp=Z,2um,20.0s			LR	LR		
WVOR	comp=Z,42nm,1.0s							PVM	comp=Z,692nm,16.6s			IVMS_BB	IVMS_BB	LOHW	comp=Z,2um,20.0s			LR	LR		
WVOR	Wild Horse Val	61.47	57	eP	P	02 41 33.9	+0.5	KVN	Kaiserville	63.85	60	eP	P	02 41 49.2	-0.2						
WVOR	comp=Z,42nm,1.0s							KVN	comp=Z,85nm,1.2s			LR	LR	PKM	McPherson Peak	65.38	65	P	P	02 41 57.9	-1.5
WVOR	comp=Z,42nm,1.0s							KVN	Kaiserville	63.85	60	eP	P	02 41 49.2	-0.2						
WVOR	comp=Z,42nm,1.0s							KVN	comp=Z,2um,19.0s			MLR	MLR	SNOW	Snow King Moun	65.39	53	eP	P	02 42 00.8	+1.4
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	Kaiserville	63.85	60	eP	P	02 41 49.2	-0.2						
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,14um,20.0s							KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	Kabul	61.50	291	eP	P	02 41 33.4	-0.4	KVN	comp=Z,86nm,1.2s			MLR	MLR	SNOW	comp=Z,70nm,1.3s			LR	LR		
KBL	comp=Z,151nm,1.1s							KVN	comp=Z,86nm,1.2s			MLR</									

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like GEYT, GYA0B, BLG, LRM, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like MPU, BFC, PSRC, CIS, SHPR, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like DZM, DZM, RWY, BORC, etc.

505

CLL	eSS	SS	02 58 00.0 +4.9
CLL	eSSS	SSS	03 01 37.0
CLL	LmV		03 20 00.0
CLL	comp=Z,5um,19.7s		
CLL	Colim	77.24 335 eP	P 02 43 09.9 -0.6
CLL	comp=Z,304nm,1.1s	LR	LR
CLL	comp=Z,5um,20.0s		
CLL	Colim	77.24 335 i/P	P 02 43 10.4 -0.2
CLL		eS	S 02 52 58.0 -0.3
CLL	comp=Z,417nm,1.3s	MLR	MLR
P38A	comp=Z,5um,19.7s		
P38A	Dawn	77.28 46 P	P 02 43 08.9 -2.1
P38A	Dawn	77.28 46 eP	P 02 43 10.7 -0.3
P38A	comp=Z,53nm,1.4s	LR	LR
N40A	Mertquake, Sal	77.29 44 P	P 02 43 09.4 -1.6
O39A	Kirksville	77.30 45 P	P 02 43 09.5 -1.6
TIRR	Tirgusor	77.31 322 i/P	P 02 43 11.4 +0.4
TIRR	Tirgusor	77.31 322 eP	P 02 43 11.9 +0.9
TIRR	comp=Z,254nm,1.4s	LR	LR
TIRR	comp=Z,10um,20.0s		
HARR	Harsova	77.33 322 i/P	P 02 43 11.4 +0.4
HARR	Harsova	77.33 322 eP	P 02 43 12.2 +1.0
HARR	Harsova	77.33 322 i/P	P 02 43 12.2 +1.0
BRG	Bergjesshubel	77.34 334 i/P	P 02 43 11.1 0.0
BRG	comp=Z,224nm,1.4s	iPCP	sP 02 43 24.1 +1.7
BRG	comp=Z,17nm,1.4s	ePP	PP 02 46 01.6 -3.1
BRG	comp=N,3um,17.1s	S	S 02 53 00.0 +0.6
BRG	comp=Z,6um,16.3s	SS	SS 02 58 03.0 +6.4
BRG	Bergjesshubel	77.34 334 i/P	P 02 43 11.1 0.0
BRG		e	02 43 24.1
BRG		i	02 46 01.6
BRG		eS	S 02 53 00.0 +0.6
BRG		SS	SS 02 58 03.0 +6.4
BRG	comp=Z,224nm,1.4s	pmx	pmx
BRG	comp=Z,17nm,1.5s	MLR	MLR
BRG	comp=N,3um,17.1s	MLR	MLR
BRG	comp=E,4um,16.2s	MLR	MLR
BRG	comp=Z,6um,16.3s	MLR	MLR
L42A	Oliver, Polo	77.35 42 P	P 02 43 08.9 -2.5
L42A	Oliver, Polo	77.35 42 PFAKE	LR 02 43 20.0 +8.7
DOPR	Dopca	77.37 325 i/P	P 02 43 12.8 +1.4
Q37A	Longview Farm,	77.37 47 P	P 02 43 09.2 -2.3
STKA	Stephens Creek	77.39 189 P	P 02 43 12.4 +1.0
STKA	comp=Z,4.9nm,0.9s,baz=358,slow=7.6,SNR=5.3	LR	LR 03 17 04.7
STKA	comp=Z,2um,20.9s,baz=17.19,slow=36	LR	LR 02 43 12.8 +1.4
STKA	Stephens Creek	77.39 189 eP	P 02 43 12.8 +1.4
STKA	comp=Z,600nm,20.0s	LR	LR
EKA	Eskdalemuir Ar	77.41 345 P	P 02 43 10.9 -0.5
EKA	comp=Z,20nm,0.7s,baz=27,slow=6.4,SNR=43	PP	PP 02 46 03.6 -1.5
EKA	comp=Z,6.0nm,1.1s,baz=25,slow=7.5,SNR=3.4	LR	LR 03 22 32.7
M41A	Milan	77.42 43 P	P 02 43 09.8 -1.9
K43A	Burlington	77.43 41 P	P 02 43 09.6 -2.2
K43A	Burlington	77.43 41 PFAKE	LR 02 43 20.0 +8.2
K43A	comp=Z,3um,20.0s	LR	LR
ESK	Eskdalemuir	77.43 345 eP	P 02 43 12.4 +0.8
ESK	comp=Z,12nm,1.2s	LR	LR
ESK	Eskdalemuir	77.43 345 i/P	P 02 43 11.5 0.0
ESK	comp=Z,110nm,1.2s	IAMs_20	IAMs_20 03 22 25.4
ESK	Eskdalemuir	77.43 345 eP	P 02 43 12.4 +0.8
ESK	comp=Z,112nm,1.2s	MLR	MLR
PVCC	Panska Ves	77.44 333 eP	P 02 43 12.6 +0.9
PVCC	Panska Ves	77.44 333 eS	S 02 52 52.9 -7.6
PVCC	comp=Z,7um,16.8s	AMS	AMS 03 21 20.0
PVCC	Panska Ves	77.44 333 eP	P 02 43 12.6 +0.9
PVCC	Panska Ves	77.44 333 eS	S 02 52 52.9 -7.6
MLR	Muntele Rosu	77.53 324 P	P 02 43 12.6 +0.1
MLR	comp=Z,2.1nm,1.0s,baz=22,slow=5.9,SNR=87	LR	LR 03 20 52.7
MLR	Muntele Rosu	77.53 324 eP	P 02 43 12.6 +0.1
MLR	comp=Z,7um,19.0s	LR	LR
ILGA	ilgaz	77.54 317 eP	P 02 43 14.4 +1.6
ILGA	comp=Z,471nm,1.2s	LR	LR
LTVH	L'tav'rties	77.58 328 i/P	P 02 43 14.5 +2.0
L43A	Garden Prairie	77.64 41 P	P 02 43 10.9 -2.1
BHH	Howats Hill	77.65 345 eP	P 02 43 12.5 -0.3
EDMD	Edmundbyers	77.67 345 i/P	P 02 43 12.8 -0.1
EDMD	comp=Z,134nm,1.2s	IAMs_20	IAMs_20 03 24 19.9
BELO	Belleterre	77.68 32 P	P 02 43 11.2 -1.9
O40A	La Belle	77.73 45 P	P 02 43 11.1 -2.4
M42A	Sheffield	77.73 42 P	P 02 43 11.4 -2.0
Q38A	Cooks Store, C	77.74 46 P	P 02 43 11.1 -2.5
MANR	Mangalia	77.75 322 i/P	P 02 43 15.0 +1.5
DRGR	DRGR	77.76 327 i/P	P 02 43 13.6 0.0
DRGR	DRGR	77.76 327 eP	P 02 43 13.6 0.0
VYHS	Vyhne	77.77 330 eP	P 02 43 14.2 +0.6
VYHS	comp=Z,184nm,1.4s	pmx	pmx
VYHS	Vyhne	77.77 330 eP	P 02 43 14.2 +0.6
VYHS	Vyhne	77.77 330 eS	S 02 53 00.7 -3.5
P39B	Salisbury	77.78 45 P	P 02 43 12.0 -1.7
N41A	Harden Midland	77.78 44 P	P 02 43 12.1 -1.7
N41A	Harden Midland	77.78 44 eP	P 02 43 13.3 -0.5
N41A	comp=Z,54nm,1.1s	LR	LR
VRAC	Vranov	77.84 332 i/P	P 02 43 14.3 +0.3
VRAC	Vranov	77.84 332 eP	P 02 43 14.3 +0.3
VRAC	Vranov	77.84 332 i/P	P 02 43 14.4 +0.4
VRAC	Vranov	77.84 332 eS	S 02 53 02.8 -2.1
JAVC	Veika Javorina	77.86 331 i/P	P 02 43 15.4 +1.2
JAVC	JAVC	77.86 331 eP	P 02 53 06.9 +0.8
PSZ	Piszkesteto	77.87 329 eP	P 02 43 14.9 +0.6
PSZ	Piszkesteto	77.87 329 eP	P 02 43 14.8 +0.6
PSZ	comp=Z,8um,18.0s	LR	LR
PRA	Prague	77.89 333 eP	P 02 43 15.7 +1.5

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PRA	comp=Z,7um,18.7s	AMS	AMS 03 21 20.0
PRA	Prague	77.89 333 eP	P 02 43 15.7 +1.5
PRA	comp=Z,7um,18.7s	MLR	MLR
GOPC	GO Pecny, Ondr	77.91 333 eP	P 02 43 15.0 +0.7
GOPC	GOPC	77.91 333 eP	P 02 43 26.0 +0.3
GOPC	GOPC	77.91 333 eS	S 02 53 03.6 -2.1
GOPC	GOPC	77.91 333 eS	S 03 26 00.0
GOPC	GO Pecny, Ondr	77.91 333 eP	P 02 43 15.0 +0.7
GOPC	GOPC	77.91 333 eS	S 02 43 26.0
GOPC	GOPC	77.91 333 eS	S 02 53 03.6 -2.1
GOPC	GOPC	77.91 333 eS	S 02 53 03.6 -2.1
PRU	comp=Z,5um,15.1s	MLR	MLR
PRU	Pruhonic	77.92 333 eP	P 02 43 14.7 +0.3
PRU	PRU	77.92 333 eP	P 02 43 23.7 -0.5
PRU	PRU	77.92 333 eS	S 02 53 02.2 -3.5
PRU	PRU	77.92 333 eS	S 03 21 20.0
PRU	comp=Z,6um,18.6s	AMS	AMS
PRU	Pruhonic	77.92 333 eP	P 02 43 14.7 +0.3
PRU	PRU	77.92 333 eS	S 02 43 23.7
PRU	PRU	77.92 333 eS	S 02 53 02.2 -3.5
PRU	PRU	77.92 333 eS	S 02 53 02.2 -3.5
Q39A	Willow Grove F	78.00 46 P	P 02 43 13.2 -1.8
L44A	Lake County Fo	78.03 41 P	P 02 43 14.1 -1.0
SULR	Yates City	78.06 323 i/P	P 02 43 15.7 +0.5
N42A	Yates City	78.08 43 P	P 02 43 12.8 -2.6
P40A	Paris	78.10 45 P	P 02 43 13.8 -1.8
P40A	Paris	78.10 45 eP	P 02 43 14.0 -1.6
P40A	comp=Z,40nm,1.1s	LR	LR
P40A	comp=Z,4um,22.0s	LR	LR
KESW	Keswick, Cumb	78.11 345 i/P	P 02 43 15.5 +0.2
KESW	comp=Z,327nm,1.2s	IAMs_20	IAMs_20 02 43 20.5
KESW	comp=Z,3um,17.7s	IAMs_20	IAMs_20 03 24 28.8
WMOK	Wichita Mounta	78.12 52 P	P 02 43 13.9 -1.9
WMOK	Wichita Mounta	78.12 52 eP	P 02 43 14.8 -1.0
WMOK	comp=Z,9.9nm,0.9s	LR	LR
WMOK	comp=Z,3um,20.0s	LR	LR
WMOK	Wichita Mounta	78.12 52 eP	P 02 43 14.8 -1.0
WMOK	Wichita Mounta	78.12 52 eP	P 02 43 14.8 -1.0
WMOK	comp=Z,10.0nm,0.9s	MLR	MLR
WMOK	comp=Z,3um,20.0s	MLR	MLR
KRUC	Moravsky	78.12 332 i/P	P 02 43 15.8 +0.3
KRUC	KRUC	78.12 332 eP	P 02 53 07.4 -0.5
M43A	Waltham Townsh	78.12 42 P	P 02 43 12.8 -2.9
CLGH	Cloghs, Cushen	78.14 347 i/P	P 02 43 15.3 -0.2
CLGH	comp=Z,156nm,1.1s	IAMs_20	IAMs_20 02 43 18.3
CLGH	comp=Z,3um,18.2s	IAMs_20	IAMs_20 03 22 02.1
ARR	Arges	78.17 325 i/P	P 02 43 17.2 +1.3
R38A	Fenwick Farm,	78.17 47 P	P 02 43 13.4 -2.6
O41A	Passleys Farm,	78.22 44 P	P 02 43 14.4 -1.8
O41A	Smolence	78.24 331 eP	P 02 43 17.7 +1.5
SMOL	Smolence	78.24 331 eP	P 02 43 17.7 +1.5
NKC	Novy Kostel	78.36 335 eP	P 02 43 17.3 +0.5
NKC	NKC	78.36 335 eS	S 02 53 09.1 -1.4
NKC	NKC	78.36 335 eS	S 02 53 12.0
NKC	Novy Kostel	78.36 335 eP	P 02 43 17.3 +0.5
NKC	NKC	78.36 335 eS	S 02 53 09.1 -1.4
NKC	NKC	78.36 335 eS	S 02 53 09.1 -1.4
TOBO	Toberomy, Bru	78.36 35 P	P 02 43 16.0 -0.9
N43A	Stutzman Famil	78.41 42 P	P 02 43 14.6 -2.6
MODS	Modra-Piesok	78.41 331 eP	P 02 43 18.0 +0.8
MODS	Modra-Piesok	78.41 331 eP	P 02 43 18.0 +0.8
MODS	Modra-Piesok	78.41 331 eS	S 02 53 07.2 -3.9
MODS	Modra-Piesok	78.41 331 eS	S 03 24 32.4
HPK	Haverah Park	78.43 344 i/P	P 02 43 17.3 +0.2
HPK	HPK	78.43 344 i/P	P 02 43 20.6
HPK	comp=Z,163nm,0.9s	IAMs_20	IAMs_20 03 24 42.8
P41A	Barry, Barry	78.47 44 P	P 02 43 16.0 -1.6
Q40A	Laux Farm, Aus	78.49 45 P	P 02 43 15.6 -2.1
R39A	Chumby, Stover	78.52 46 P	P 02 43 15.9 -2.0
SRO2	Moca	78.54 330 eP	P 02 43 18.1 +0.3
SR02	Moca	78.54 330 eP	P 02 43 18.1 +0.3
O42A	Bath	78.55 43 P	P 02 43 15.2 -2.9
BUD	Budapest	78.56 329 i/P	P 02 43 18.6 +0.7
M44A	Midewin, Midew	78.59 41 P	P 02 43 15.0 -3.2
M44A	Midewin, Midew	78.59 41 PFAKE	LR 02 43 30.0 +1.2
S38A	Stockton	78.59 47 P	P 02 43 15.9 -2.4
BR101	Keekin Array S	78.60 316 eP	P 02 43 19.9 +0.4
BR101	Keekin Array S	78.60 316 ePP	PP 02 46 16.3 +0.5
BR131	Keekin Array S	78.60 316 eP	P 02 43 18.9 +0.4
BRTR	Keekin Array B	78.60 316 eP	P 02 43 18.9 +0.4
BRTR	comp=Z,36nm,0.9s,baz=72,slow=4.0,SNR=90	PP	PP 02 46 16.3 +0.5
BRTR	comp=Z,6.3nm,1.0s,baz=54,slow=5.4,SNR=5.4	LR	LR 03 23 23.4
BRTR	Keekin Array B	78.60 316 P	P 02 43 18.9 +0.4
BRTR	Keekin Array B	78.60 316 P	P 02 46 16.3
BRTR	comp=Z,35nm,0.9s	pmx	pmx
BRTR	comp=Z,6.0nm,1.0s	pmx	pmx
HDIL	Hopedale	78.65 43 P	P 02 43 16.6 -2.0
HDIL	Hopedale	78.65 43 eP	P 02 43 18.4 -0.2
HDIL	comp=Z,89nm,1.3s	LR	LR
IOMK	Kirk Michael	78.68 346 i/P	P 02 43 17.4 -1.0
IOMK	IOMK	78.68 346 i/P	P 02 43 21.1
IOMK	comp=Z,138nm,1.1s	IAMs_20	IAMs_20 03 22 54.8
LPIG	La Paz	78.72 67 LR	LR 03 11 17.4
PRD	Providence	78.76 322 i/P	P 02 43 19.9 +0.8
KLBO	Kilbear Provi	78.78 34 P	P 02 43 16.4 -2.8
WIM	Isle of Man	78.81 346 eP	P 02 43 19.7 +0.5
T38A	Diamond	78.84 48 P	P 02 43 17.6 -2.1
S39A	Bolivar	78.85 47 P	P 02 43 17.2 -2.5
S39A	Bolivar	78.85 47 eP	P 02 43 17.9 -1.9
S39A	comp=Z,24nm,1.1s	LR	LR
O43A	Sugar Creek Fa	78.85 43 P	P 02 43 16.2 -3.5
TUL1	Leonard	78.89 50 P	P 02 43 17.6 -2.4
TUL1	Leonard	78.89 50 eP	P 02 43 19.9 -0.1
TUL1	comp=Z,39nm,1.3s	LR	LR
P42A	Winchester	78.90 44 P	P 02 43 17.6 -2.3
P42A	Winchester	78.90 44 eP	P 02 43 19.7 -0.2
P42A			

11d 2h

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Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like SFIN, MEM, AAM, AAM, LLW, MOA, BANO, DSB, DSB, ARSA, HLM1, HLM1, U44A, UCC, UCC, UCC, UCC, S42A, V39A, FVM, FVM, FVM, U40A, R43A, ELFO, T41A, TRQ, P45A, P45A, BEHE, PLVO, PLVO, PLVO, ACTO, SNF, O47A, P46A, PKRO, KOGS, KOGS, T42A, T42A, T42A, DELO, W39A, W39A, W39A, ELSH, ELSH, V40A, V40A, V40A, MCH1, MCH1, MCH1, ALFO, S43A, U41A, DRWO, STRD, STRD, STRD, DRU, STU, STU, SOKA, OLIL, OLIL, PERS, WLF, WLF, WLF, JCT, JCT, JCT, JCT, DOU, DOU, PGB, MONM, MONM, MONM.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like WLVO, Q46A, OLDB, OLDB, TYNO, X39A, KBA, T43A, HGH, IWEX, IWEX, W40A, W40A, W40A, WHTX, WHTX, WHTX, S44A, SIUC, SIUC, V41A, R45A, P47A, HMNX, HMNX, HMNX, U42A, OBKA, PBMO, PBMO, VTS, VTS, VTS, VTS, BLO, BLO, DIVS, DIVS, MIAR, MIAR, MIAR, MIAR, RZN, MYKA, WATA, T44A, T44A, ALN, ALN, ALN, RDO, RDO, WTTA, S45A, BFO, BFO, BFO, BFO, Q47A, V42A, MEDO, N50A, RETA, W41B, W41B, W41B, MOTA, R46A, R46A, U43A, LJU, ABTA, OZLJ, PARMO, PARMO, USIN, USIN, CADS, TAEO, TAEO, TAEO, TAEO, X40A, X40A, X40A, ERPA, ERPA, ERPA, ERPA, LONY, LONY, LONY.

Table with columns: Call Sign, Frequency, Mode, Power, and other details. Includes stations like BLY, BLY, BLY, UALR, UALR, BOJS, HEX, ISP, ISP, ISP, O50A, U44A, W42A, MMB, S46A, Y40A, PVMO, PVMO, KKB, ECH, ECH, ECH, X41A, 435B, 435B, 435B, T45A, T45A, T45A, FETA, V43A, R47A, DAVA, NVR, NVR, HTL, HTL, HTL, ACSSO, ACSSO, ACSSO, HBAR, HBAR, GNAR, GNAR, ALLY, ALLY, MMNY, MMNY, U44B, WCI, WCI, WCI, TRI, TRI, PLE, EZN, EZN, P50A, R48A, PQI, PQI, GLAT, GLAT, MANT, V44A, T46A, SRS, SRS, SRS, Y41A, X42A, IVA, Z40A, M54A, M54A, M54A, W43A, U45A, STIP, DAVOX, DAVOX, DYA, UPM, NCB, NCB, HALT, HALT, HALT, UDBI, SKO, SKO, SKO, PPT, PPT, KOM, PPT2, PPT2, PPT2, PPTF, PPTF.

11d 2h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LOU, IOSP, 146A, 146A, CGLI, LNIG, CPCT, AQU, SERG, BRYW, YLE, TRIZ, KARP, KARP, EFP, PVO, CPNY, V52A, V52A, V52A, MASS, SG1, 248A, TAR1, U53A, SAINT, LAKA, LAKA, TKL, TKL, PDO, DID, X50B, PSUB, PSUB, PSUB, KLV, KLV, MATE, GUR, GUR, LK2D, LK2D, 147A, 147A, Y49A, Y49A, 246A, EVGI, BLA, BLA, BLA, Y53A, Y53A, 345A, DRO, X51A, X51A, RLS, RLS, W52A, W52A, W52A, 44A, FSK, V53A, V53A, V53A, M65A, Y50A, 247A, LRLAL, LRLAL, LRLAL, 148A, VLX, VLX, 346A, 346A, 445A, VTN, KFL, 249A, 544A, VLS, VLS, VLS, ZKR.

2012 JUL

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZKR, CVRD, W53A, AMT, CBN, CBN, X52A, Y51A, NPS, NPS, NPS, MXZ, VLI, VLI, VLI, Z50A, Z50A, ITM, ITM, HIZ, BG3, BG3, LAST, LAST, 149A, CUC, CUC, 347A, 545A, 545A, 446A, DYR, IDI, IDI, X53A, URVA, PYL, PYL, 249A, Y52A, Y52A, Y52A, TIP, TIP, TIP, 348A, 348A, 348A, 150A, VAM, VAM, VAM, ANKY, ANKY, SIVA, SIVA, IMMV, 447A, 447A, 447A, NCAT, NCAT, NCAT, Y53A, KMSC, KMSC, KMSC, PAULI, PAULI, PAULI, 250A, 250A, 250A, 448A, 349A, 646A, 151A, HODGE, HODGE, 152A, 152A, 152A, GOGA, GOGA, GOGA, GOGA, GOGA, Y54A, BRAL, BRAL, BRAL, 350A, 449A, JSC.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like JSC, JSC, JSC, JSC, 153A, Z54A, CEL, CEL, 252A, 450A, MOIG, MOIG, 351A, 253A, 253A, 253A, 253A, 255A, 154A, 154A, 352A, 352A, 352A, CNCC, CNCC, CNCC, 451A, 451A, 155A, 452A, 254A, 353A, BFZ, BFZ, TIGA, TIGA, TIGA, 156A, SNZO, 453A, 453A, THZ, THZ, 255A, 255A, 552A, VAE, NHSC, NHSC, 256A, 355A, 454A, CLTB, CLTB, 553A, 257A, 257A, 257A, 356A, 455A, KHZ, KHZ, 357A, 554A, FOZ, FOZ, FOZ, 456A, 456A, 456A, 555A, 555A, OXZ, OXZ, WDD, WDD, WDD, 457A, 655A, 556A, MQZ, MQZ, LVIG, LVIG, 557A, LBZ, LBZ.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like PINE Pine Mountain, E09A Wood Farm, STA, YBHF Yreka Blue Hor, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like FWXY Fox Creek, RLMT Red Lodge, RLMT Red Lodge, TPWA Teton Pass, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like NB2 NORSAR Subarra, NB2 NORSAR Subarra, NB00 NORSAR Array S, etc.

11d 2h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, and Time. Includes stations like Basin Creek Fa, Abfattersbach, Miami Univ. Ec, etc.

2012 JUL

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, and Time. Includes stations like SGI Sagiada, Y48A Jasper, IGT Igomentsa, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, and Time. Includes stations like TXAR 0.5nm,0.3s, TUC Tucson, etc.

ISCJB 11 02:58:52.6,0.5, 35.66N,0.04,-140.72E,0.06, h52km,4km, mb3.6/6, Error ellipse: s-maj=9.1km s-min=6.3km az=158.1

JMA 11 02:58:53.2,0.1, 35.73N,140.66E, h47km,1km, M3.2 JMA Felt J1

IDC 11 02:58:54.0,2.4, 35.56N, 140.66E, h47km,25km, mb3.4/6, mb1.3/7.9, mb1mx3.4/7.6, mbtmp3.8/9, ML4.0/3, Error ellipse: s-maj=25.0km s-min=8.4km az=66.0

ISC 11 02:58:53.1,0.9, 35.66N,0.05,-140.73E,0.06, h43km,8km, n27, r19626, mb3.6/6, 2C-3D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, and Time. Includes stations like CHOJ Choshi, JCN Nagara, etc.

148A	Bowling Green	23.56 325	P	P	09 16 21.4 -0.2	NATX	Nacogdoches	26.10 305	P	P	09 16 45.1 +0.3	P38A	Dawn	29.40 320	P	P	09 17 14.3 +0.3
U47A	Clarksville	23.59 322	P	P	09 16 22.9 +1.0	NATX	Nacogdoches	26.10 305	eP	P	09 16 47.5 +2.8	I43A	Langenfeld Bro	29.58 332	P	P	09 17 15.9 +0.3
X45A	UM Field Stati	23.61 316	P	P	09 16 23.2 +1.2	LONY	Lak Ozonia	26.19 352	P	P	09 16 46.2 +0.9	BELQ	Bellefleur	29.59 347	P	P	09 17 16.4 +0.8
V46A	Holladay	23.66 320	P	P	09 16 22.1 -0.4	V41A	Mountainview	26.24 315	P	P	09 16 47.1 +1.2	N39A	Derby Farms, D	29.59 323	P	P	09 17 15.4 -0.3
OXF	Oxford	23.67 316	P	P	09 16 23.7 +1.0	DRCO	St. Marys Ceme	26.26 345	P	P	09 16 46.9 +1.0	K41A	Shullsburg	29.63 328	P	P	09 17 15.6 -0.3
OXF	Oxford	23.67 316	eP	P	09 16 24.2 +1.5	DRWO	Darlington Wes	26.26 345	P	P	09 16 47.0 +1.0	L40A	Anamosa	29.70 326	P	P	09 17 16.6 -0.1
WVT	Waverly	23.70 321	P	P	09 16 23.4 +0.5	T42A	Van Buren	26.29 318	P	P	09 16 46.2 -0.1	F46A	Macinaw City C	29.80 338	P	P	09 17 17.4 -0.1
WVT	Waverly	23.70 321	eP	P	09 16 23.7 +0.8	Q44A	Meyer Farm, Va	26.29 324	P	P	09 16 47.3 +1.1	M39A	Webster	29.81 324	P	P	09 17 17.1 -0.6
243A	Waterproof	23.73 308	P	P	09 16 23.0 -0.1	SFIN	Lafayette	26.36 329	P	P	09 16 48.7 +1.7	JCT	Junction City	29.82 299	P	P	09 17 17.7 -0.2
S48A	Wiedeman Farm,	23.78 326	P	P	09 16 24.4 +0.8	ELFO	Elginfield	26.37 340	P	P	09 16 48.1 +1.2	JFWS	Jewell Farm	29.82 329	P	P	09 17 17.9 +0.1
HRV	Adam Dzewonsk	23.80 356	P	P	09 16 23.1 -0.6	ACTO	Action	26.37 343	P	P	09 16 48.1 +1.1	JFWS	Jewell Farm	29.82 329	eP	P	09 17 18.4 +0.6
T47A	Sharon Grove	23.87 323	P	P	09 16 24.0 -0.4	U41A	Viola	26.41 316	P	P	09 16 48.9 +1.5	P37A	Lathrop	29.87 319	P	P	09 17 18.5 +0.3
T47A	Sharon Grove	23.87 323	eP	P	09 16 25.9 +1.6	P44A	Sand Creek, Wi	26.47 325	P	P	09 16 49.4 +1.5	H43A	Windswept, Lux	29.88 333	P	P	09 17 19.3 +1.0
W45A	Hickory Valley	23.92 317	P	P	09 16 25.0 +0.1	W40A	Ferguson Farm,	26.54 313	P	P	09 16 51.0 +2.4	I42A	Drager Farm,	29.93 331	P	P	09 17 19.5 +0.8
N54A	Moraine State	23.93 340	P	P	09 16 25.7 +0.7	W40A	Ferguson Farm,	26.54 313	eP	P	09 16 51.7 +3.1	I42A	Drager Farm,	29.93 331	eP	P	09 17 19.4 +0.8
N54A	Moraine State	23.93 340	eP	P	09 16 26.3 +1.4	MIAR	Mount Ida	26.56 311	P	P	09 16 49.8 +1.0	N38A	Joes South For	29.96 322	P	P	09 17 19.1 +0.1
BINY	Binghamton	24.06 348	P	P	09 16 27.3 +1.2	S42A	Caledonia	26.57 320	P	P	09 16 48.5 -0.4	F45A	CMU Biological	30.00 337	P	P	09 17 19.3 +0.1
BINY	Binghamton	24.06 348	eP	P	09 16 27.8 +1.7	Q45A	Potomac	26.58 328	P	P	09 16 48.3 -0.6	J41A	Loganville	30.05 329	P	P	09 17 19.6 -0.1
U46A	Springsville	24.06 321	P	P	09 16 26.0 -0.1	DELO	Deloro Mine	26.62 347	P	P	09 16 48.1 -0.1	O37A	Wolfen Farm, M	30.10 321	P	P	09 17 19.9 -0.4
143A	Socs Landing,	24.07 310	P	P	09 16 25.9 -0.3	Q43A	New Douglas	26.70 323	P	P	09 16 50.6 +0.6	K40A	Colesburg	30.12 327	P	P	09 17 20.4 +0.1
342A	Flagon Creek P	24.14 306	P	P	09 16 27.9 +1.1	V40A	Witts Springs	26.70 314	P	P	09 16 51.2 +1.1	L39A	Vinton	30.16 326	P	P	09 17 20.1 -0.6
X44A	Crenshaw	24.16 315	P	P	09 16 27.2 +0.2	V40A	Witts Springs	26.70 314	eP	P	09 16 51.7 +1.6	M38A	Pleasantville	30.34 323	P	P	09 17 22.7 +0.3
P50A	Jamesstown	24.21 331	P	P	09 16 28.6 +1.1	T41A	Mountain View	26.72 318	P	P	09 16 51.0 +0.8	ABTX	Ablene, Hawle	30.35 303	P	P	09 17 23.5 +0.9
243A	Armstrong Fami	24.21 331	P	P	09 16 29.3 +1.8	M46A	Old House Fiel	26.81 331	P	P	09 16 50.9 -0.1	ABTX	Ablene, Hawle	30.35 303	eP	P	09 17 23.9 +1.4
Q49A	Aurora	24.23 330	P	P	09 16 29.1 +1.5	R42A	Luebbering	26.89 321	P	P	09 16 52.3 +0.6	J40A	Soldiers Grove	30.42 329	P	P	09 17 23.4 +0.4
242A	Grayson	24.31 308	P	P	09 16 30.2 +1.8	N45A	Kentland	26.92 329	P	P	09 16 52.3 +0.4	WMOK	Wichita Mounta	30.47 308	P	P	09 17 23.9 +0.3
M54A	Oil Creek Stat	24.33 341	P	P	09 16 29.0 +0.5	X39A	Fountain Ranch	26.93 311	P	P	09 16 51.5 -0.6	WMOK	Wichita Mounta	30.47 308	eP	P	09 17 24.3 +0.7
M54A	Oil Creek Stat	24.33 341	eP	P	09 16 29.7 +1.2	PLVO	Plevna	27.01 348	P	P	09 16 53.7 +1.1	G43A	Wallace	30.48 334	P	P	09 17 22.9 +0.3
M54A	Wyandotte Cave	24.33 327	eP	P	09 16 29.9 +1.1	CCM	Cathedral Cave	27.02 320	P	P	09 16 54.2 +1.3	I41A	Arkdale	30.50 330	P	P	09 17 23.2 -1.5
T46A	Princeton	24.36 322	P	P	09 16 29.3 +0.4	CCM	Cathedral Cave	27.02 320	eP	P	09 16 54.6 +1.7	N37A	Lee Faris, Mou	30.51 321	P	P	09 17 24.3 +0.5
Y43A	Makayia and Ka	24.36 313	P	P	09 16 29.9 +0.4	U40A	Yellville	27.03 315	P	P	09 16 54.5 +1.5	N37A	Lee Faris, Mou	30.51 321	eP	P	09 17 24.6 +0.8
ACSO	Alum Creek Sta	24.39 334	P	P	09 16 31.1 +2.1	S41A	Jillco Farms,	27.04 319	P	P	09 16 54.0 +0.9	K39A	Oelwein	30.51 326	P	P	09 17 23.4 -0.4
ACSO	Alum Creek Sta	24.39 334	eP	P	09 16 32.3 +3.3	W39A	Magazine	27.04 312	P	P	09 16 55.1 +2.0	F44A	Big Bay de Noc	30.58 337	P	P	09 17 25.6 +1.3
142A	Monroe	24.39 309	P	P	09 16 31.4 +2.2	W39A	Magazine	27.04 312	eP	P	09 16 55.5 +2.4	L38A	Oak Wood Farm,	30.69 325	P	P	09 17 25.5 +0.1
U45A	Rockin P Farm,	24.41 320	P	P	09 16 29.9 +0.6	P43A	Skaggs, Pawnee	27.08 325	P	P	09 16 54.7 +1.3	I40A	Norwalk	30.73 329	P	P	09 17 25.8 +0.1
R47A	Wooly Knot Far	24.50 326	P	P	09 16 31.8 +1.8	ORIO	Orleans, Innes	27.14 351	P	P	09 16 55.0 +1.2	F43A	Flat Rock, Esc	30.75 336	P	P	09 17 25.7 -0.1
441A	DeRidder	24.55 304	P	P	09 16 32.6 +2.0	BWLO	Walkerton	27.15 342	P	P	09 16 54.9 +1.0	G42A	Mountain	30.78 333	P	P	09 17 26.9 +0.8
P49A	Miami Univ. Ec	24.57 331	P	P	09 16 31.7 +1.0	Q42A	Golden Eagle	27.16 322	P	P	09 16 54.9 +0.8	G42A	Mountain	30.78 333	eP	P	09 17 26.8 +0.6
Q48A	North Vernon	24.57 328	P	P	09 16 32.7 +2.0	BANO	Barcroft	27.16 347	P	P	09 16 54.8 +0.7	H41A	Junction City	30.83 331	P	P	09 17 27.1 +0.6
O50A	Cable	24.58 333	P	P	09 16 32.1 +1.2	N44A	Piper City	27.19 328	P	P	09 16 55.2 +0.8	J39A	Decorah	30.86 328	P	P	09 17 27.4 +0.5
X43A	Marvell	24.66 314	P	P	09 16 33.2 +1.5	SADO	Sadova	27.21 345	P	P	09 16 53.5 -1.0	K38A	Parkersburg	30.94 326	P	P	09 17 27.9 +0.3
X43A	Marvell	24.66 314	eP	P	09 16 33.8 +2.2	SADO	Sadova	27.21 345	LR	LR	09 17 28.6 -1.0	K38A	Parkersburg	30.94 326	eP	P	09 17 28.4 +0.8
S46A	Don Dixon Farm	24.70 324	P	P	09 16 33.0 +1.0	CLWO	Collingwood	27.21 343	P	P	09 16 55.6 +1.0	N36A	Muff Farm, Cla	30.99 321	P	P	09 17 28.4 +0.3
Z42A	Norrel Spur, H	24.75 310	P	P	09 16 34.6 +2.2	R41A	Rosebud	27.26 320	P	P	09 16 55.8 +0.8	KSU1	Kansas State U	31.03 317	P	P	09 17 28.2 -0.2
U44B	Burton Farm, H	24.76 319	P	P	09 16 34.5 +2.0	T40A	Mansfield	27.27 317	P	P	09 16 55.7 +0.5	L37A	Phoenix Point,	31.12 324	P	P	09 17 27.7 -1.5
341A	Kurthwood	24.77 305	P	P	09 16 34.4 +1.8	V39A	Pettigrew	27.28 314	P	P	09 16 56.9 +1.6	E43A	Lone Tree Farm	31.13 336	P	P	09 17 29.3 +0.1
341A	Kurthwood	24.77 305	eP	P	09 16 35.2 +2.6	U39A	Green Forest	27.46 315	P	P	09 16 58.2 +1.3	I39A	Houston	31.14 328	P	P	09 17 28.3 -1.1
P48A	Milroy	24.84 330	P	P	09 16 34.4 +1.3	P42A	Winchester	27.50 324	P	P	09 16 57.5 +0.4	H40A	Chilli	31.17 331	P	P	09 17 28.1 -1.5
241A	Mo Tay, Goldon	24.88 307	P	P	09 16 34.0 +0.4	P42A	Winchester	27.50 324	eP	P	09 16 58.2 +1.0	J38A	Wedel Dairy, R	31.25 327	P	P	09 17 29.2 -1.1
241A	Mo Tay, Goldon	24.88 307	eP	P	09 16 36.1 +2.6	S40A	Lebanon	27.52 318	P	P	09 16 58.2 +0.8	M36A	Felix, Anita	31.29 322	P	P	09 17 31.0 +0.3
N50A	Nevada	24.91 335	P	P	09 16 34.6 +0.8	Q41A	Truxton	27.59 322	P	P	09 16 58.6 +0.6	CHGO	Chibougamau	31.38 354	P	P	09 17 32.4 +1.0
O49A	Covington	24.92 332	P	P	09 16 35.0 +1.0	M44A	Midewin, Midew	27.59 329	P	P	09 16 58.6 +0.6	F41A	Three Lakes	31.46 333	P	P	09 17 33.0 +0.8
Y42A	Garnett, Star	24.93 312	P	P	09 16 35.7 +1.7	HDIL	Hopedale	27.61 326	P	P	09 16 58.7 +0.6	F41A	Three Lakes	31.46 333	eP	P	09 17 33.4 +1.2
Q47A	Bedord North L	24.93 328	P	P	09 16 34.6 +0.6	PEMO	Pembroke	27.66 348	P	P	09 16 59.4 +1.0	K37A	Belmond	31.49 325	P	P	09 17 32.0 -0.4
CCAR	Cane Creek	24.96 312	eP	P	09 16 36.9 +2.6	T39A	Cleaver	27.75 316	P	P	09 17 00.5 +1.0	G40A	Rib Lake	31.58 332	P	P	09 17 33.9 +0.7
ERPA	Erie	24.98 341	P	P	09 16 35.4 +1.0	Q42A	Bath	27.78 325	P	P	09 16 59.5 -0.1	G40A	Rib Lake	31.58 332	eP	P	09 17 34.2 +1.0
141A	Papa Simpson,	25.13 308	P	P	09 16 35.6 -0.3	R40A	Madies Statio	27.80 319	P	P	09 17 00.2 +0.3	L36A	Harm Buss Farm	31.62 323	P	P	09 17 32.1 -1.5
S45A	Carrier Mills	25.19 323	P	P	09 16 36.5 +0.1	BUKO	Buck Lake	27.90 345	P	P	09 17 01.2 +0.6	H39A	Augusta	31.64 330	P	P	09 17 33.5 -0.2
X42A	Stuttgart	25.20 313	P	P	09 16 38.0 +1.5	435B	Jarrell	28.08 301	P	P	09 17 03.5 +1.0	MATQ	Matagami	31.66 350	P	P	09 17 34.7 +0.9
P47A	Martinsville	25.27 329	P	P	09 16 38.1 +1.0	435B	Jarrell	28.08 301	eP	P	09 17 04.6 +2.1	I38A	Scanlan Farm,	31.68 328	P	P	09 17 34.4 +0.3
O48A	Farmland	25.35 331	P	P	09 16 39.0 +1.3	M43A	Waltham Townsh	28.09 328	P	P	09 17 01.1 -1.2	COWI	Conover	31.77 334	eP	P	09 17 35.9 +1.0
U43A	Rector	25.44 318	P	P	09 16 40.2 +1.5	S39A	Bolivar	28.10 317	P	P	09 17 02.4 -0.1	J37A	Redenius Farm,	31.81 326	P	P	09 17 36.0 +0.8
R45A	Skylar, Fairfr	25.45 324	P	P	09 16 39.8 +1.1	Q40A	Laux Farm, Aux	28.12 321	P	P	09 17 03.8 +1.2	K36A	Gilmore City	31.85 324	P	P	09 17 35.0 -0.6
W42A	Bald Knob	25.52 315	P	P	09 16 40.9 +1.5	O41A	Pasleys Farm,	28.17 324	P	P	09 17 02.3 -0.8	E41A	Kenton	31.99 334	P	P	09 17 37.3 +0.5
240A	Hunter Patters	25.53 306	P	P	09 16 41.2 +1.7	SAML	Samuel	28.18 167	eP	P	09 17 02.6 -0.7	G39A	Holcombe	32.03 331	P	P	09 17 37.2 +0.1
SIUC	Southern Illin	25.59 322	eP	P	09 16 41.7 +1.7	R39A	Chumby, Stover	28.29 319	P	P	09 17 04.1 -0.1	F40A	Park Falls	32.05 332	P	P	09 17 37.1 -0.2
S44A	Carbondale	25.59 322	P	P	09 16 41.1 +1.1	T38A	Diamond	28.37 315	P	P	09 17 05.9 +1.0	H38A	Maiden Rock	32.12 329	P	P	09 17 38.2

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like E38A The Farm, Brul, C40A Isle Royale, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MSU Marysvalle, MPU Maple Canyon, JLU Jordanelle, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like STKA Stephens Creek, MKAR Makanchi Array, and various other stations.

AS01	Alice Springs	41.19 262	eP	P	10 24 25.2	0.0
AS31	Alice Springs	41.23 262	eP	P	10 24 25.6	0.0
ASAR	Alice Springs	41.23 262	P	PcP	10 24 25.6	0.0
ASAR	1.4nm,0.8s,baz=111,slow=3.7,SNR=6.3		S	S	10 30 00.3	+0.2
WB2	Warrungunga Arr	41.65 267	eP	P	10 24 28.4	-0.5
WB2	13nm,0.6s		S	S	10 30 12.6	+6.3
WRAB	Tennant Creek	41.65 267	eP	P	10 24 28.3	-0.6
WRAB	16nm,1.0s		S	S	10 30 12.6	+6.3
WRA	Warrungunga Arr	41.65 267	P	P	10 24 28.3	-0.7
WRA	10nm,0.5s,baz=103,slow=8.1,SNR=167		PcP	PcP	10 26 13.1	+0.3
WRA	1.5nm,1.0s,baz=100,slow=3.6,SNR=4.4		S	S	10 30 04.0	-2.4
MTN	Manton Dam	46.81 275	eP	P	10 25 07.8	-0.9
FITZ	Fitzroy Crossi	50.08 266	eP	P	10 25 33.4	+0.4
VNDA	Vanda	53.65 185	P	P	10 25 59.6	+1.9
BATI	Baumata	54.56 275	eP	P	10 26 06.8	+1.5
CASY	Cassey	59.19 206	eP	P	10 26 36.4	+0.4
QSPA	South Pole Qui	65.50 180	P	P	10 27 18.7	+1.7
QSPA	6.1nm,0.6s,baz=18,slow=3.2,SNR=19		P	P	10 27 18.5	+1.5
QSPA	South Pole Qui	65.50 180	eP	P	10 27 18.5	+1.5
QSPA	28nm,0.9s		P	P	10 27 18.5	+1.5
MJAR	Matsushiro Arr	72.06 326	P	P	10 27 56.2	-0.5
MJAR	6.1nm,0.8s,baz=166,slow=6.1,SNR=15		P	P	10 27 56.3	-0.4
MAW	Mawson	76.87 201	P	P	10 28 23.9	+0.7
MAW	4.6nm,0.5s,baz=160,slow=5.1,SNR=10.0		P	P	10 28 23.9	+0.7
PETK	Petrovlovsk-	79.60 347	P	P	10 28 38.5	+0.6
NJ2	Nanjing	80.59 312	eP	P	10 28 37.3	-6.2
USRK	Ussuriysk Arr	80.95 328	P	P	10 28 46.3	+1.2
USRK	5.7nm,0.5s,baz=112,slow=4.8,SNR=10.0		P	P	10 28 51.3	+0.1
SYO	Syowa Base	82.19 1947	eP	P	10 29 00.7	+0.4
SNA	Sanae	84.00 179	P	P	10 29 00.7	+0.4
SNA	Sanae	84.00 179	P	P	10 29 00.7	+0.4
CN2	Changchun	84.02 324	eP	P	10 29 01.4	+0.7
CN2	comp=Z,10.0nm,0.8s		P	P	10 29 01.4	+0.7
VNA3	Neumayer Olymp	84.24 177	P	P	10 29 02.0	+0.6
KLR	Kul'dur	84.78 331	P	P	10 29 05.7	+1.5
VNA1	Neumayer-Stat	84.89 178	P	P	10 29 05.1	+0.6
NVAR	Mina Array Bea	85.73 44	P	P	10 29 10.5	+1.1
GYA	Guyang	86.49 301	eP	P	10 29 07.2	-6.0
GYA	10 29 59.6	-1.3	P	P	10 31 50.0	-1.8
GYA	10 31 50.0	-1.8	P	P	10 32 42.2	-3.1
GYA	10 38 45.8	-1.9	P	P	10 39 03.3	-0.7
GYA	10 39 03.3	-0.7	P	P	10 29 20.1	-4.8
KMI	Kunming	88.96 298	P	P	10 29 22.9	-8.2
HHC	Hu-ho-hao-te	90.40 315	eP	P	10 29 22.9	-8.2
HHC	comp=Z,28nm,1.0s		P	P	10 29 22.9	-8.2
TXAR	Lajitas Array	91.39 58	P	P	10 29 37.9	+2.1
TXAR	comp=Z,10.0nm,0.7s		P	P	10 29 37.9	+2.1
ILAR	Eielson Array	92.86 14	P	P	10 29 40.8	-0.9
LZH	Lanzhou	93.24 308	eP	P	10 29 36.2	-8.1
LZH	10 31 31.4	-1.4	P	P	10 32 22.9	-1.7
LZH	10 32 22.9	-1.7	P	P	10 33 33.6	-4.4
PDAR	Pinedale Array	93.67 44	P	P	10 29 46.5	+0.3
PDAR	comp=Z,0.2nm,0.5s,baz=12,slow=4.8,SNR=2.9		P	P	10 30 02.2	+0.6
SONM	Songino Array	97.16 320	P	P	10 34 59.1	-8.0
KSH	Kashi	115.06 304	eP	P	10 36 16.9	-0.5
KSH	10 38 33.7	-1.0	P	P	10 35 06.5	-0.3
KURBB	Kurchatov Arr	115.25 316	P	P	10 35 17.1	+0.2
BVAR	Borovoy Array	120.48 318	P	P	10 35 39.1	-0.1
ARCES	ARCCESS Array B	132.40 348	P	P	10 35 43.5	
FINES	FINESSE Array B	138.86 341	P	P	10 35 56.7	
HFS	Hafslors	143.07 348	P	P	10 36 03.5	-1.4
AKASG	Malin Array Be	145.15 326	P	P	10 36 08.6	-0.9
ASF	Jabal al Asfar	146.13 292	P	P	10 36 12.2	-2.1
MMAI	Mouton Meron Ar	147.33 293	P	P	10 36 10.8	+0.2
BRTR	Keskin Array B	147.41 306	P	P	10 36 14.2	-0.2
EKA	Eskdalemuir Ar	149.23 3	P	P	10 36 16.8	+0.8
OJC	Ojcow	149.83 333	eP	P	10 36 18.0	+1.4
NIE	Niedzica	150.23 322	eP	P	10 36 19.0	+1.1
KSP	Ksiaz	150.66 338	eP	P	10 36 19.7	+0.9
UPC	Uperc	151.03 337	eP	P	10 36 29.9	+1.2
DPC	Dobruska-Polom	151.06 337	eP	P	10 36 11.6	-1.1
CLL	Collm	151.29 342	eP	P	10 36 20.7	
CLL	10 36 20.7		P	P	10 36 20.7	
CLL	10 36 20.7		P	P	10 36 20.7	
BRG	Bergjesshubbell	151.40 340	P	P	10 36 20.3	+0.8
BRG	comp=Z,8.4nm,0.5s		P	P	10 36 20.3	+0.8
GOPC	Go Peeny, Ondr	151.96 338	eP	P	10 36 21.6	+0.7
KHC	Kasperke Hory	153.03 339	eP	P	10 36 24.5	+1.2
KHC	10 36 37.6	+1.1	P	P	10 36 15.0	+0.3
GERES	GERESS Array B	153.24 338	P	P	10 36 24.2	+0.4
GERES	comp=Z,0.2nm,0.4s,baz=350,slow=4.3,SNR=4.3		P	P	10 36 24.2	+0.4
GERES	10 36 24.2	+0.4	P	P	10 36 38.5	+0.1
GERES	10 36 38.5	+0.1	P	P	10 36 38.5	+0.1
TORD	Torodi Arr Bea	168.39 192	P	P	10 37 45.9	+0.6
TORD	10 37 45.9	+0.6	P	P	10 37 45.9	+0.6

CLCH	Cerro Calan	2.03 146	eP	Pb	10 46 58.7	-1.7
CLCH	comp=Z,5.0nm,0.6s		Pb	Pb	10 47 23.8	+0.1
FCH	Farellones	2.10 141	eP	Pn	10 46 59.8	+0.7
FCH	comp=E,2.0m,0.7s		Pn	Pn	10 47 25.0	-0.8
ANTU	Antumapu	2.14 151	i	Sn	10 47 25.0	-0.8
ANTU	comp=N,2.0m,0.5s		S	S	10 47 30.0	
AUSP	Uspallata	2.18 104	eP	Pb	10 47 03.1	0.0
AUSP	comp=Z,1.0m,0.5s		eS	Sb	10 47 34.0	+0.7
RTLS	Leoncito	2.21 93	i	Sn	10 47 33.5	
LMEL	Las Melosas	2.56 147	eP	Pn	10 47 06.4	+1.1
LMEL	comp=Z,1.0m,0.5s		i	Sn	10 47 37.6	+0.7
LMEL	comp=N,1.0m,0.2s		S	S	10 47 08.9	-1.0
AROD	Rodeo	2.58 54	eP	Sb	10 47 44.5	+2.5
AROD	comp=Z,2.88nm,0.4s		eS	Sb	10 47 55.5	
ZON	Zonda	2.74 87	i	Sn	10 47 57.0	
ARCO	CERRO ARCO	2.75 115	i	Sn	10 47 13.1	-0.9
ARCO	comp=Z,1.0m,0.6s		eS	Sb	10 47 53.3	
ACDV	Cuesta del Vie	2.83 58	eP	Pb	10 48 00.8	
ACDV	comp=Z,3.61nm,0.4s		eS	Sb	10 47 12.6	-1.8
SJA	San Juan	2.84 87	i	Sn	10 47 50.0	+0.4
RTVC	Cerro Valdivia	2.85 94	eP	Pb	10 47 14.1	-1.7
RTVC	comp=Z,2.72nm,0.3s		eS	Sb	10 47 52.1	+0.1
RTLL	Cerro Villicun	2.94 84	eP	Pb	10 48 04.0	
RTLL	comp=Z,3.99nm,0.4s		eS	Sb	10 47 15.2	-1.7
AMOG	MOGNA	3.00 76	eP	Pb	10 47 54.3	+0.4
AMOG	comp=Z,5.7nm,0.6s		eS	Sb	10 48 40.8	
VCA	Vinchina	4.35 48	i	Sn	10 48 54.5	
MRA	San Martin	5.28 99	i	Sn	10 49 39.6	
CYA	Choya	6.19 60	i	Sn	10 49 15.9	
CYA	comp=Z,1.13nm,0.6s		eS	Sb	10 49 15.9	

MJAR	32nm,0.3s,baz=106,slow=5.1,SNR=206		Sn	Sn	10 55 41.2	+0.1
MAJO	Matsushiro	2.41 287	eP	Pn	10 55 11.5	-0.4
MAJO	24nm,0.3s,baz=131,slow=13,SNR=8.1		eP	Pn	10 55 11.3	-0.7
MAT	Matsushiro	2.41 287	P	P	10 55 11.4	-0.6
MAT	comp=Z,2.41nm,0.7s		eS	Sb	10 55 42.9	+1.7
MJB9	Matsu-Tunnel	2.41 288	eP	Pn	10 55 11.7	-0.4
JHU2	Mitsune	2.92 201	eP	Pn	10 55 19.5	+0.5
JHU	Hachijo jima 2	2.92 201	P	P	10 55 17.5	-1.5
JHU	22nm,0.3s,baz=107,slow=13,SNR=10.0		Sn	Sn	10 55 53.4	-0.5
INU	Inuyama	3.33 263	eP	Pn	10 55 26.8	+2.2
ERM	Erinuro	6.37 14	eP	Pn	10 56 06.6	+0.3
ERM	comp=Z,3.0nm,0.4s		eS	Sb	10 57 05.9	+2.2
ERM	Erimo	6.37 14	eP	Pn	10 56 06.1	-0.2
ASAJ	Asahikawa	8.34 8	Pn	Pn	10 56 33.0	-0.4
ASAJ	3.3nm,0.3s,baz=227,slow=9.9,SNR=22		Sn	Sn	10 58 05.8	-1.5
ASAJ	0.3nm,0.3s,baz=175,slow=24,SNR=1.9		eP	Pn	10 56 33.5	+0.1
ASAJ	Asahikawa	8.34 8	eP	Pn	10 56 35.8	-1.5
ASAJ	comp=Z,1.18nm,18.6s,baz=88,slow=38		Sn	Sn	10 56 36.2	-3.3
CBIJ	Chichijima	8.78 173	Pn	Pn	10 58 07.9	-1.0
CBIJ	comp=Z,3.0nm,0.3s		eS	Sb	10 58 36.9	-1.0
JCJ	Chichijima	8.78 173	Pn	Pn	10 58 07.9	-1.0
JCJ	3.7nm,0.3s,baz=318,slow=15,SNR=4.5		Sn	Sn	10 58 07.9	-1.0
SHO	Shikotan	9.15 27	i	P	10 56 42.6	-1.9
SHO	1.8nm,0.3s,baz=152,slow=23,SNR=1.8		pm	pm	10 56 42.6	-1.9
SHO	comp=Z,3.0nm,0.4s		pm	pm	10 56 42.6	-1.9
SHO	comp=N,2.0nm,0.3s		pm	pm	10 56 42.6	-1.9
SHO	comp=E,9.0nm,0.3s		pm	pm	10 56 42.6	-1.9
KSRS	Korea Array	10.66 282	LR	LR	11 01 11.4	
KSRS	comp=E,1.18nm,18.6s,baz=88,slow=38		Sn	Sn	10 57 07.7	+1.9
KUR	Wonju Array Si	10.70 283	eP	Pn	10 57 04.1	1.6
KUR	Kurik'sk	10.70 27	eP	Pn	10 58 59.3	-0.6
KUR	comp=Z,1.4nm,0.6s		pm	pm	10 57 07.7	+1.9
KUR	comp=E,5.0nm,0.2s		pm	pm	10 57 04.1	1.6
KUR	comp=N,6.0nm,0.3s		pm	pm	10 58 59.3	-0.6
KUR	comp=Z,2.88nm,3.0s		pm	pm	10 57 07.7	+1.9
KUR	comp=N,261nm,3.6s		pm	pm	10 57 07.7	+1.9
KUR	comp=E,7.9nm,3.4s		sm	sm	10 57 12.7	+0.7
KUR	comp=E,1.7nm,0.4s		sm	sm	10 57 12.4	+0.3
KUR	comp=N,1.1nm,0.3s		sm	sm	10 57 12.4	+0.3
KUR	comp=E,1.08nm,3.0s		sm	sm	10 57 12.4	+0.3
USRK	Ussuriysk Arr	10.85 323	Pn	Pn	10 57 10.7	+2.9
USRK	comp=N,330nm,3.6s		Sn	Sn	10 57 10.7	+2.9
YSS	Yuzh-Sakhalins	11.16 6	eP	Pn	10 57 12.7	+0.7
YSS	comp=Z,1.1nm,18.3s,baz=152,slow=37		eP	Pn	10 57 12.4	+0.3
YSS	10 57 12.4	+0.3	pm	pm	10 57 12.4	+0.3
YSS	comp=Z,2.0nm,0.6s		MLR	MLR	10 57 55.9	+3.1
JOW	Kunigami	14.14 234	eP	Pn	10 58 02.6	-2.0
KLR	Kul'dur	15.01 336	Pn	Pn	10 58 02.6	-2.0
KLR	comp=Z,0.0nm,0.3s,baz=165,slow=16,SNR=2.1		LR	LR	10 58 02.6	-2.0
KLR	10 58 02.6	-2.0	LR	LR	10 58 04.2	0.7
KLR	10 58 04.2	0.7	LR	LR	10 58 04.0	-0.6
NJ2	Nanjing	15.01 336	eP	Pn	10 58 04.0	-0.6
NJ2	15.01 336	eP	Pn	Pn	10 58 53.0	+0.5
YOJ	Yonaguni jima	19.26 239	eP	P	10 58 56.1	-1.0
YOJ	comp=Z,1.0nm,0.5s		eP	P	10 58 56.1	-1.0
YOJ	10 58 56.1	-1.0	pm	pm	10 59 06.4	-0.8
TATO	Taipei	20.02 243	eP	Pn	10 59 16.4	-0.3
PETK	Petrovlovsk-	20.85 29	Pn	Pn	10 59 16.6	-0.1
PETK	comp=Z,1.1nm,0.7s,baz=203,slow=9.5		Sn	Sn	10 59 42.0	-1.5
HHC	Hu-ho-hao-te	23.85 29	eP	Pn	10 59 42.0	-1.5
HHC	10 59 42.0	-1.5	Sn	Sn	10 59 57.9	+1.0
HHC	10					

ASAR	comp=Z,14nm,0.9s	75.08 324 P	P	11 20 39.9 +0.1
ASAR	Alice Springs 44.15 262 P	75.08 324 P	P	11 20 39.9 +0.1
ASAR	comp=Z,39nm,0.9s,baz=96,slow=7.0,SNR=179	75.08 324 P	P	11 20 39.9 +0.1
ASAR	comp=Z,2.9nm,0.9s,baz=97,slow=16,SNR=4.9	75.08 324 P	P	11 20 45.3 +0.8
WB2	Warramunga Arr 44.74 267 eP	75.08 324 P	P	11 20 45.3 +0.8
WB2	comp=Z,65nm,0.9s	75.08 324 P	P	11 20 45.0 +0.5
WRAB	Tennant Creek 44.74 267 eP	75.08 324 P	P	11 20 44.1 -0.4
WRAB	Tennant Creek 44.74 267 deP	75.08 324 P	P	11 20 44.1 -0.4
WRA	comp=Z,74nm,1.3s	75.08 324 P	P	11 20 44.7 +0.2
WRA	Warramunga Arr 44.75 267 P	75.08 324 P	P	11 20 44.7 +0.2
WRA	comp=Z,2.1nm,0.4s,baz=104,slow=7.8,SNR=187	75.08 324 P	P	11 20 44.7 +0.2
WRA	comp=Z,6.1nm,0.9s,baz=98,slow=15,SNR=6.6	75.08 324 P	P	11 20 44.7 +0.2
JAY	comp=Z,2.2um,19.9s,baz=105,slow=34	75.08 324 P	P	11 37 40.7
JAY	Jayapura 46.63 293 LR	75.08 324 P	P	11 38 20.1
JAY	comp=Z,563nm,19.6s,baz=108,slow=33	75.08 324 P	P	11 20 58.7 -0.7
JAY	Jayapura 46.63 293 P	75.08 324 P	P	11 20 58.7 -0.7
JAY	comp=Z,472nm,1.1s,comp=Z,8um	75.08 324 P	P	11 21 02.6 +0.1
GENT	Genyem 47.03 293 P	75.08 324 P	P	11 21 08.5 -0.7
GENT	Forrest 47.91 251 P	75.08 324 P	P	11 21 08.5 -0.7
FORT	Forrest 47.91 251 eP	75.08 324 P	P	11 21 08.6 -0.5
FORT	comp=Z,65nm,0.8s	75.08 324 P	P	11 21 15.6 -0.5
WRKA	Warakna 48.80 259 P	75.08 324 P	P	11 21 15.6 -0.5
WRKA	baz=49,SNR=102	75.08 324 P	P	11 21 15.6 -0.5
KDU	Kakadu 48.95 276 P	75.08 324 P	P	11 21 17.6 +0.3
KDU	baz=49,SNR=28	75.08 324 P	P	11 21 17.6 +0.3
HMH	Humu'ula Sheep 50.09 27 eP	75.08 324 P	P	11 21 26.9 +0.8
HMH	comp=Z,534nm,1.5s	75.08 324 P	P	11 21 26.9 +0.8
MTN	Mannton Dam 50.09 275 P	75.08 324 P	P	11 21 26.1 +0.2
MTN	baz=50,SNR=17	75.08 324 P	P	11 21 26.1 +0.2
MTN	Mannton Dam 50.09 275 eP	75.08 324 P	P	11 21 25.0 -1.0
MTN	comp=Z,230nm,0.6s	75.08 324 P	P	11 21 25.0 -1.0
HPAH	Hawaii Prepara 50.39 27 eP	75.08 324 P	P	11 21 28.3 +0.2
HPAH	comp=Z,142nm,0.9s	75.08 324 P	P	11 21 28.3 +0.2
MHA	Manukona 50.45 26 eP	75.08 324 P	P	11 21 29.4 +1.0
MHA	Manukona 50.45 26 eP	75.08 324 P	P	11 21 29.4 +1.0
KEKH	Kekaha 50.71 21 eP	75.08 324 P	P	11 21 30.4 0.0
SRPI	Serui, Papua 50.71 291 P	75.08 324 P	P	11 21 31.5 +0.9
KIP	Kipapa 50.77 23 eP	75.08 324 P	P	11 21 32.3 +1.5
KIP	comp=Z,294nm,1.5s	75.08 324 P	P	11 21 32.3 +1.5
KIP	Kipapa 50.77 23 eP	75.08 324 P	P	11 21 30.0 -0.8
KIP	comp=Z,327nm,0.8s	75.08 324 P	P	11 21 30.0 -0.8
KNRA	Kununurra 51.16 270 P	75.08 324 P	P	11 21 34.3 +0.3
KNRA	baz=51,SNR=88	75.08 324 P	P	11 21 34.3 +0.3
BAKI	Blak 51.19 291 P	75.08 324 P	P	11 21 35.0 +0.8
SBA	Scott Base 52.39 184 eP	75.08 324 P	P	11 21 42.8 +0.6
SBA	comp=Z,94nm,1.4s	75.08 324 P	P	11 21 42.8 +0.6
SBA	Scott Base 52.39 184 eP	75.08 324 P	P	11 21 42.8 +0.6
SBA	comp=Z,95nm,1.4s	75.08 324 P	P	11 21 42.8 +0.6
VNDA	Vanda 52.46 186 P	75.08 324 P	P	11 21 44.7 +2.0
VNDA	comp=Z,9.8nm,0.9s,baz=12,slow=9.2,SNR=22	75.08 324 P	P	11 21 44.7 +2.0
VNDA	Vanda 52.46 186 eP	75.08 324 P	P	11 21 44.8 +2.0
VNDA	comp=Z,490nm,18.3s,baz=41,slow=34	75.08 324 P	P	11 21 44.8 +2.0
RKPI	Ransiki, Papua 52.65 290 P	75.08 324 P	P	11 21 45.7 +0.7
KMBL	Kambalata 53.04 249 P	75.08 324 P	P	11 21 47.6 -0.2
KMBL	baz=53,SNR=7.7	75.08 324 P	P	11 21 47.6 -0.2
FITZ	Fitzroy Crossi 53.14 266 P	75.08 324 P	P	11 21 48.8 +0.2
FITZ	baz=53,SNR=161	75.08 324 P	P	11 21 48.8 +0.2
FITZ	Fitzroy Crossi 53.14 266 eP	75.08 324 P	P	11 21 49.8 +1.2
FITZ	comp=Z,47nm,0.8s	75.08 324 P	P	11 21 49.8 +1.2
FAKI	Fak Fak 53.57 287 P	75.08 324 P	P	11 21 51.9 +0.1
FAKI	Fak Fak 53.57 287 eP	75.08 324 P	P	11 21 51.3 -0.6
FAKI	Fak Fak 53.57 287 eP	75.08 324 P	P	11 21 51.9 +0.1
GUMO	Guam 53.94 312 P	75.08 324 P	P	11 21 52.8 -1.6
GUMO	comp=Z,79nm,0.8s,baz=197,slow=8.1,SNR=4.5	75.08 324 P	P	11 21 52.8 -1.6
GUMO	Guam 53.94 312 eP	75.08 324 P	P	11 39 57.1
GUMO	comp=Z,543nm,20.9s,baz=138,slow=30	75.08 324 P	P	11 21 54.7 +0.2
GUMO	Guam 53.94 312 eP	75.08 324 P	P	11 21 54.7 +0.2
BNDI	Bandanaira 54.82 284 P	75.08 324 P	P	11 22 01.4 +0.5
MSAO	Masohi 56.23 284 P	75.08 324 P	P	11 22 11.0 -0.1
NWAO	Narogin (SRO) 56.61 246 LR	75.08 324 P	P	11 45 19.0
NWAO	comp=Z,599nm,18.2s,baz=307,slow=34	75.08 324 P	P	11 45 19.0
AAI	Amba 56.71 293 P	75.08 324 P	P	11 22 14.8 +0.4
MEEK	Meekatharra 56.88 254 P	75.08 324 P	P	11 22 14.6 -0.9
MEEK	baz=57,SNR=8.3	75.08 324 P	P	11 22 14.6 -0.9
PALU	Palau 57.41 299 P	75.08 324 P	P	11 22 18.9 -0.4
PALU	baz=58,SNR=6.9	75.08 324 P	P	11 22 18.9 -0.4
MWBA	Warble Bar 57.44 261 eP	75.08 324 P	P	11 22 17.8 -1.8
MWBA	comp=Z,248nm,1.4s	75.08 324 P	P	11 22 17.8 -1.8
SOEI	Soe 57.49 275 P	75.08 324 P	P	11 22 21.3 +1.2
SOEI	Soe 57.49 275 eP	75.08 324 P	P	11 22 22.0 +1.9
SOEI	comp=Z,194nm,0.9s	75.08 324 P	P	11 22 22.0 +1.9
BLDU	Ballidu 57.54 249 P	75.08 324 P	P	11 22 19.5 -0.6
BLDU	baz=58,SNR=11	75.08 324 P	P	11 22 19.5 -0.6
MUN	Mundaring 57.66 247 P	75.08 324 P	P	11 22 21.6 +0.7
BATI	Baumata 57.84 274 P	75.08 324 P	P	11 22 24.0 +1.6
BATI	comp=Z,96nm,0.7s,baz=231,slow=2.4,SNR=20	75.08 324 P	P	11 22 24.0 +1.6
BATI	Baumata 57.84 274 LR	75.08 324 P	P	11 45 39.6
BATI	comp=Z,1um,20.7s,baz=138,slow=34	75.08 324 P	P	11 22 23.7 +1.2
BATI	Baumata 57.84 274 P	75.08 324 P	P	11 22 23.7 +1.2
NLAI	Narles 57.88 283 P	75.08 324 P	P	11 22 22.8 +0.1
MORW	Morawa 58.47 251 P	75.08 324 P	P	11 22 26.2 -0.4
MORW	baz=59,SNR=7.1	75.08 324 P	P	11 22 26.2 -0.4
LBMI	Labuha 58.81 286 P	75.08 324 P	P	11 22 29.5 +0.4
CASY	Casey 59.27 207 eP	75.08 324 P	P	11 22 31.5 0.0
CASY	comp=Z,37nm,0.6s	75.08 324 P	P	11 22 31.5 0.0
SANI	Sanana 59.43 284 P	75.08 324 P	P	11 22 32.9 -0.5
TNTI	Ternate 59.64 288 P	75.08 324 P	P	11 22 35.1 +0.3
TNTI	Ternate 59.64 288 eP	75.08 324 P	P	11 22 35.5 +0.7
MMRI	Maumera 60.77 275 eP	75.08 324 P	P	11 22 36.1 +0.3
MMRI	comp=Z,62nm,0.7s	75.08 324 P	P	11 22 36.1 +0.3
RPN	Rapa Nui 60.05 108 LR	75.08 324 P	P	11 44 12.4
RPN	comp=Z,100nm,0.8s,comp=Z,758nm	75.08 324 P	P	11 44 12.4
EDFI	Ende, Flores 61.83 257 P	75.08 324 P	P	11 22 38.9 -0.1
GIRL	Giralia 61.83 257 P	75.08 324 P	P	11 22 50.8 +1.2
GIRL	baz=62,SNR=4.4	75.08 324 P	P	11 22 50.8 +1.2
WBSI	Waikabunga, Su 61.91 273 P	75.08 324 P	P	11 22 50.8 +0.5
KMSI	Cibinong 62.46 285 P	75.08 324 P	P	11 22 54.5 +0.6
KMSI	Cibinong 62.46 285 P	75.08 324 P	P	11 22 56.3 +0.6
LWUI	Luwuk 62.73 283 eP	75.08 324 P	P	11 22 56.0 +0.6
LWUI	comp=Z,102nm,0.7s	75.08 324 P	P	11 22 56.0 +0.6
BKSI	Bulukumba 63.10 278 P	75.08 324 P	P	11 22 57.6 -0.6
BKSI	comp=Z,100nm,0.8s,comp=Z,758nm	75.08 324 P	P	11 22 57.6 -0.6
PLAI	Plampang 63.70 273 P	75.08 324 P	P	11 23 02.4 +0.3
APSI	Ampana 63.77 283 P	75.08 324 P	P	11 23 02.6 0.0
QSPA	South Pole Qui 64.03 180 P	75.08 324 P	P	11 23 04.7 +1.0
QSPA	comp=Z,29nm,0.8s,baz=32,slow=3.0,SNR=44	75.08 324 P	P	11 23 04.7 +1.0
QSPA	South Pole Qui 64.03 180 LR	75.08 324 P	P	11 50 52.0
QSPA	comp=Z,226nm,18.0s,baz=34,slow=36	75.08 324 P	P	11 23 04.7 +1.0
QSPA	South Pole Qui 64.03 180 eP	75.08 324 P	P	11 50 52.0
QSPA	comp=Z,166nm,1.3s	75.08 324 P	P	11 50 52.0
DAV	Davao City (W) 64.47 292 LR	75.08 324 P	P	11 47 34.9
DAV	comp=Z,191nm,21.4s,baz=126,slow=32	75.08 324 P	P	11 47 34.9
CBJ	Chichi jima 65.70 321 P	75.08 324 P	P	11 23 13.2 -1.7
CJ	Chichijima 65.70 321 P	75.08 324 P	P	11 23 13.2 -1.7
MIR	Mirny 66.27 206 eP	75.08 324 P	P	11 23 19.5 +1.5
MIR	Mirny 66.27 206 eP	75.08 324 P	P	11 23 47.0
MIR	comp=Z,88nm,1.2s	75.08 324 P	P	11 23 47.0
JAGI	Jajag, Banyuw 67.10 272 eP	75.08 324 P	P	11 23 23.6 -0.5
JAGI	comp=Z,105nm,0.8s	75.08 324 P	P	11 23 23.6 -0.5
MYLMI	Lahad Datu 69.49 287 eP	75.08 324 P	P	11 23 42.7 +3.7
MYLMI	comp=Z,39nm,0.9s	75.08 324 P	P	11 23 42.7 +3.7
JHJ	Hachiojima 2 71.64 323 LR	75.08 324 P	P	11 50 09.3
JHJ	comp=Z,181nm,20.5s,baz=84,slow=31	75.08 324 P	P	11 50 09.3
KKM	Kota Kinabalu 71.89 286 eP	75.08 324 P	P	11 23 52.2 -1.5
KKM	comp=Z,46nm,0.8s	75.08 324 P	P	11 23 52.2 -1.5
TGY	Tagaytay City 72.13 296 LR	75.08 324 P	P	11 50 54.1
TGY	comp=Z,235nm,21.6s,baz=168,slow=32	75.08 324 P	P	11 50 54.1
CISI	Cisempot, Garu 73.18 270 eP	75.08 324 P	P	11 24 01.1 -0.3
CISI	comp=Z,89nm,0.9s	75.08 324 P	P	11 24 01.1 -0.3
SBUM	Sibu 73.65 281 eP	75.08 324 P	P	11 24 04.3 +0.3
SBUM	comp=Z,22nm,1.0s	75.08 324 P	P	11 24 04.3 +0.3
LEM	Lembang 73.67 270 P	75.08 324 P	P	11 24 04.9 +0.6
LEM	comp=Z,150nm,0.7s,baz=116,slow=22,SNR=15	75.08 324 P	P	11 24 04.9 +0.6
LEM	Lembang 73.67 270 LR	75.08 324 P	P	11 56 33.6
LEM	comp=Z,536nm,20.6s,baz=147,slow=36	75.08 324 P	P	11 56 33.6
JOW	Kunigami 74.27 311 LR	75.08 324 P	P	11 53 24.7
JOW	comp=Z,238nm,21.9s,baz=142,slow=33	75.08 324 P	P	11 53 24.7
INU	Inuyama 74.82 323 eP	75.08 324 P	P	11 24 10.0 -0.3
INU	comp=Z,32nm,0.9s	75.08 324 P	P	11 24 10.0 -0.3
KSM	Kuching 74.90 279 eP	75.08 324 P	P	11 24 10.8 -0.5
KSM	comp=Z,75nm,0.8s	75.08 324 P	P	11 24 10.8 -0.5

MJAR	Matsushiro Arr 75.08 324 P	75.08 324 P	P	11 24 10.7 -1.1
MJAR	comp=Z,22nm,0.8s,baz=166,slow=5.8,SNR=30	75.08 324 P	P	11 24 10.7 -1.1
MJAR	Matsushiro 75.08 324 LR	75.08 324 P	P	11 51 08.5
MAJO	comp=Z,238nm,21.9s,baz=140,slow=31	75.08 324 P	P	11 24 11.8 0.0
MAJO	Matsushiro 75.08 324 eP	75.08 324 P	P	11 24 11.8 0.0
MAJO	comp=Z,26nm,0.8s	75.08 324 P	P	11 24 10.2 -1.6
MAJO	Matsushiro 75.08 324 deP	75.08 324 P	P	11 24 10.2 -1.6
MAJO	comp=Z,25nm,0.9s	75.08 324 P	P	11 24 10.2 -1.6
MAT	Matsushiro 75.08 324 P	75.08 324 P	P	11 24 10.0 -1.8
MAT	Matsushiro 75.08 324 S	75.08 324 P	P	11 34 10.0 -1.6
MJB9	Matsu-Tunnel 75.08 324 eP	75.08 324 P	P	11 24 11.8 -0.1
PMSA	Palmer Station 75.95 156 P	75.08 324 P	P	11 24 16.9 +0.6
PMSA	comp=Z,4.7nm,0.6s,baz=207,slow=3.6,SNR=4.2	75.08 324 P	P	11 24 16.9 +0.6
PMSA	Matsu-Tunnel 75.95 156 LR	75.08 324 P	P	11 50 17.4
PMSA	comp=Z,370nm,20.2s,baz=251,slow=30	75.08 324 P	P	11 50 17.4
MAW	Mawson 76.58 200 P	75.08 324 P	P	11 24 20.9 +1.0
MAW	baz=77,SNR=16	75.08 200 P	P	11 24 20.9 +1.0
MAW	Mawson 76.58 200 P	75.08 200 P	P	11 24 21.1 +1.2
MAW	comp=Z,21nm,0.8s,baz=134,slow=6.8,SNR=32	75.08 200 P	P	11 24 21.1 +1.2
MAW	Mawson 76.58 200 LR	75.08 200 P	P	11 55 26.6
MAW	comp=Z,408nm,21.6s,baz=108,slow=33	75.08 200 P	P	11 55 26.6
MAW	Mawson 76.58			

PNTN	baz=232,SNR=14	84.27	41	eP	P	11 25 02.7 +1.0
214A	Organ Pipe Nat	84.30	50	P	P	11 25 02.2 +0.4
FURC	Furnace Creek, baz=232,SNR=11	84.30	50	P	P	11 25 02.3 +0.7
GRAC	Grapevine Rang	84.31	44	P	P	11 25 02.5 +0.8
SHOC	Shoshone, Teco	84.33	46	P	P	11 25 02.5 +0.7
BEKR	Beckworth	84.33	40	eP	P	11 25 02.4 +0.4
TYV	comp=Z,51nm,1.5s	84.36	336	eP	S	11 25 02.1 +0.5
TYV	Tymovskoe			eS	S	11 25 21.0 +1.4
TYV	comp=Z,63nm,1.0s			pmx	pmx	
TYV	comp=Z,700nm,2.5s			smx	smx	
TYV	comp=E,2um,14.5s					
VCNR	Virginia City	84.38	41	eP	P	11 25 03.1 +0.9
YERR	Yerington	84.42	42	eP	P	11 25 03.2 +0.8
IPM	Ipoah	84.51	278	eP	P	11 25 03.1 -0.2
LDFC	Landford	84.58	47	eP	P	11 25 05.0 +1.8
RYN	Ryan	84.62	42	eP	P	11 25 05.4 +0.8
NV01	Mina Array Sit	84.63	43	eP	P	11 25 03.9 +0.3
NVAR	Mina Array Bea	84.63	43	P	P	11 25 04.0 +0.4
HUMO	Hull Mountain	84.69	37	eP	P	11 25 04.9 +1.4
NEE2	Needles Airpor	84.72	47	P	P	11 25 04.5 +0.7
NV11	Mina Array Sit	84.72	43	eP	P	11 25 04.7 +0.8
M04C	Macdoel	84.75	38	P	P	11 25 04.8 +0.8
PDMCI	Parker Dam,Lak	84.76	48	P	P	11 25 05.1 +1.1
PAHR	Pah Rah Range	84.80	41	eP	P	11 25 04.5 +0.3
TPNV	Topopah Spring	84.98	45	eP	P	11 25 06.1 +0.8
TPNV	Topopah Spring	84.98	45	eP	P	11 25 06.4 +1.1
TPNV	Topopah Spring	84.98	45	eP	pmx	11 25 06.4 +1.1
PLCA	Paso Flores	84.99	133	P	P	11 25 06.3 +0.9
PLCA	comp=Z,9.4nm,0.9s, baz=247,slow=5.7,SNR=12			LR	LR	11 55 40.6
PLCA	Paso Flores	84.99	133	eP	pp	11 25 06.7 +1.3
PLCA				eP	pp	11 25 34.2 +4.3
KVN	Kaiserville	85.15	42	eP	P	11 25 06.5 +0.4
KVN	Kaiserville	85.15	42	eP	pmx	11 25 06.5 +0.4
KULM	Kulim	85.21	278	eP	P	11 25 07.5 +0.7
I03D	Drain, OR	85.22	36	P	P	11 25 07.3 +1.2
Y14A	Wickenburg	85.31	49	eP	P	11 25 08.1 +1.2
K04D	Chiloquin, OR	85.36	38	P	P	11 25 07.6 +0.7
W13A	Hualapai Mount	85.40	47	eP	P	11 25 08.8 +1.3
SHPR	Sheep Range	85.41	46	eP	P	11 25 08.7 +1.3
MDJ	Mudanjiang	85.44	325	P	P	11 25 05.1 -2.0
MDJ				pp	pp	11 25 30.4 +1.3
MDJ				sp	sp	11 25 40.8 -0.9
MDJ				pp	pp	11 28 26.2 -0.8
MDJ				S	S	11 35 33.0 +2.4
MDJ	comp=Z,51nm,0.9s			pmx	pmx	
MDJ	comp=Z,770nm,4.4s			pmx	pmx	
MDJ	comp=Z,420nm,20.7s			LR	LR	
MDJ	comp=Z,430nm,21.6s			LR	LR	
MDJ	comp=Z,540nm,23.1s			LR	LR	
MDJ	Mudanjiang	85.44	325	eP	P	11 25 08.0 +0.9
J04D	Umpqua Nationa	85.58	37	P	P	11 25 08.8 +0.6
PSI	Prapat	85.65	275	P	P	11 25 07.5 -1.6
PSI	comp=Z,220nm,0.7s, baz=0.4,slow=3.1,SNR=12			LR	LR	12 07 08.7
PSI	comp=Z,260nm,18.2s, baz=90,slow=38			P	P	11 25 07.7 -1.4
MOD	Modoc Plateau	85.69	39	eP	P	11 25 09.0 +0.3
I04A	Tendick Farm, baz=228	85.79	36	P	P	11 25 10.1 +1.1
K05A	Summer Lake	85.90	38	eP	P	11 25 10.8 +1.0
TUC	Tucson	85.91	51	P	P	11 25 10.9 +0.9
TUC	Tucson	85.91	51	eP	P	11 25 11.3 +1.4
TUC	Tucson	85.91	51	eP	pmx	11 25 11.3 +1.4
J05D	Fort Rock, OR	86.08	37	P	P	11 25 11.6 +1.0
GSI	Gunungsitoli	86.20	273	eP	P	11 25 12.5 +0.8
DL2	Dalian	86.22	317	P	P	11 25 07.0 -4.1
DL2				pp	pp	11 25 32.9 -2.9
DL2				SKSac	SKSac	11 35 27.9 -0.9
DL2	comp=Z,31nm,1.2s			pmx	pmx	
DL2	comp=Z,260nm,6.7s			LR	LR	
DL2	comp=Z,310nm,22.6s			LR	LR	
DL2	comp=Z,250nm,18.6s			LR	LR	
R11A	Troy Canyon, C	86.25	44	P	P	11 25 11.8 +0.2
R11A	Troy Canyon, C	86.25	44	eP	P	11 25 12.5 +0.9
WHN	Wuhan	86.27	307	iP	P	11 25 11.4 -0.2
WHN				sp	sp	11 25 49.5 +3.3
WHN				S	S	11 35 35.3 -4.0
WHN	comp=Z,320nm,10.6s			LR	LR	
WHN	comp=Z,420nm,12.3s			LR	LR	
G03D	McMinnville, O	86.31	35	P	P	11 25 12.3 +0.9
319A	Douglas	86.46	53	eP	P	11 25 13.9 +1.3
H04A	Detroit Lake	86.51	36	eP	P	11 25 13.8 +1.3
BMN	Battle Mountai	86.54	42	eP	P	11 25 13.5 +0.6
BMN	Battle Mountai	86.54	42	eP	pmx	11 25 13.5 +0.6
PINE	Pine Mountain	86.58	37	eP	P	11 25 15.1 +2.0
X16A	Lo Mia Camp, P	86.65	49	eP	P	11 25 14.9 +1.3
I05D	Terrebonne, OR	86.73	37	P	P	11 25 13.9 +0.3
GRNR	Gornyy	86.73	333	iP	pmx	11 25 16.0 +2.6
GRNR				pmx	pmx	
GRNR	comp=E,63nm,1.0s			pmx	pmx	
HPIG		86.77	58	eP	P	11 25 14.7 +0.3

GO05	comp=Z,11nm,1.3s	86.90	128	eP	P	11 25 15.0 +0.2
NKL	Hualae0			eP	P	
NKL	comp=Z,33nm,1.0s	86.93	336	eP	P	11 25 12.0 -2.2
NKL	Nikolayevsk			e	e	11 35 28.0
NKL				pmx	pmx	11 36 51.0
NKL	comp=Z,800nm,5.0s			pmx	pmx	
NKL	comp=N,20nm,0.9s			pmx	pmx	
NKL	comp=E,20nm,0.9s			pmx	pmx	
NKL	comp=Z,87nm,0.9s			pmx	pmx	
NKL	comp=N,300nm,18.0s			MLR	MLR	
NKL	comp=Z,500nm,18.0s			MLR	MLR	
LCMT	Little Creek M	86.95	46	eP	P	11 25 16.2 +1.2
WVOR	Wild Horse Val	86.98	39	eP	P	11 25 15.5 +0.5
WVOR	Wild Horse Val	86.98	39	eP	pmx	11 25 15.5 +0.5
F04D	comp=Z,23nm,1.3s	87.03	34	P	P	11 25 15.9 +0.9
E03A	Rainier, OR	87.07	34	eP	P	11 25 17.1 +2.0
CN2	Lebam	87.09	322	eP	S	11 25 15.0 -0.3
CN2	Changchun			eS	S	11 35 44.0 -2.7
ZAIG	comp=Z,40nm,1.0s	87.09	63	eP	pmx	11 25 17.0 +0.8
CHBT	Zacatecas	87.10	286	P	P	11 25 20.1 +4.2
CCUT	CHBT	87.19	46	eP	P	11 25 17.5 +1.3
TRTT	Cedar City	87.19	280	P	P	11 25 18.4 +1.9
U15A	Trang	87.23	47	eP	P	11 25 17.6 +1.1
WUAZ	North Rim	87.32	48	eP	P	11 25 17.5 +0.7
WUAZ	Wupatki	87.32	48	eP	P	11 25 18.1 +1.3
G05D	comp=Z,30nm,1.2s	87.34	36	P	P	11 25 17.1 +0.6
SZCU	Wamic, OR	87.39	46	eP	P	11 25 18.5 +1.4
PSUT	Shurtz Canyon	87.45	45	eP	P	11 25 18.3 +0.8
NLWA	Pine Spring	87.50	33	eP	P	11 25 19.8 +2.6
TIA	Neilton Lookou	87.51	313	P	SKSac	11 25 17.9 +0.4
TIA	Tai'an			SKS	SKS	11 35 34.2 -2.7
TIA	comp=Z,13nm,0.9s			pmx	pmx	
TIA	comp=Z,370nm,6.2s			LR	LR	
TIA	comp=Z,390nm,19.8s			LR	LR	
SKNT	comp=Z,420nm,19.6s	87.63	290	P	P	11 25 19.9 +1.4
K18R	Sakolnaker	87.63	329	iP	pp	11 25 18.2 +0.5
J08A	Kuldur	87.66	39	eP	pp	11 25 18.6 +0.4
G06A	Circle Bar Ran	87.70	36	eP	sp	11 25 17.7 -5.2
X18A	Carlson Farm, comp=Z,108nm,1.9s	87.70	36	eP	P	11 25 20.4 +2.2
PKCU	Snowflake	87.73	50	eP	P	11 25 20.3 +1.4
TLIG	comp=Z,44nm,1.0s	87.80	46	eP	P	11 25 21.1 +1.8
SRAK	Pink Cliffs	87.89	69	eP	P	11 25 21.0 +1.2
CNPM	TLapa	87.92	287	P	P	11 25 21.2 +1.3
DIB	China Poot	87.94	13	eP	P	11 25 20.3 +1.3
LON	Dawson Inlet, comp=Z,54nm,1.0s	88.00	25	eP	P	11 25 21.5 +2.1
LON	Longmire	88.09	35	eP	P	11 25 21.4 +1.3
LON	Longmire	88.09	35	eP	pmx	11 25 21.4 +1.3
121A	comp=Z,12nm,1.0s	88.15	52	P	P	11 25 21.2 +0.3
W18A	Cookes Peak, D	88.20	49	eP	P	11 25 21.3 +0.3
W18A	Petrified Fore	88.20	49	eP	P	11 25 22.8 +1.7
MTPU	comp=Z,58nm,1.4s	88.23	46	eP	P	11 25 22.8 +1.5
BRLL	Mount Pierson	88.23	13	eP	P	11 25 20.6 +0.2
D05A	Bradley Lake	88.30	34	eP	P	11 25 22.2 +1.3
LHMI	Enunclaw	88.48	277	eP	P	11 25 22.8 +0.1
MSU	comp=Z,320nm,1.9s	88.51	45	eP	P	11 25 23.9 +1.4
MSU	Lhok Sumaw	88.51	45	eP	P	11 25 23.9 +1.4
G08A	Marysval	88.63	37	eP	P	11 25 23.9 +0.2
B05A	comp=Z,55nm,1.4s	88.67	33	P	P	11 25 24.6 +0.5
A04D	Bryant	88.98	33	P	P	11 25 24.6 +0.5
DUG	Lummi Island	89.04	36	eP	P	11 25 26.4 +1.9
DUG	HAWA Hanfor	89.08	44	P	P	11 25 25.2 +0.2
DUG	Dugway, Tooele	89.08	44	eP	P	11 25 25.9 +0.9
DUG	comp=Z,63nm,1.4s			pp	pp	11 25 54.4 +4.6
MFID	Dugway, Tooele	89.20	40	eP	P	11 25 26.0 +0.5
BMO	Camas Ranch	89.26	38	eP	P	11 25 25.6 -0.1
BMO	Blue Mountains	89.26	38	eP	pmx	11 25 25.6 -0.1
MA2	Blue Mountains	89.30	344	eP	P	11 25 24.4 -0.9
MA2	comp=Z,50nm,1.8s	89.30	344	eP	pmx	11 25 24.4 -0.9
E08A	Magadan	89.30	344	eP	pmx	11 25 24.4 -0.9
BGU	Magadan	89.36	36	eP	P	11 25 27.6 +1.6
BGU	Dider Farm, EI	89.38	43	eP	P	11 25 28.5 +2.1
MNTX	Big Grassy Mou	89.44	54	eP	pp	11 25 55.7 +4.5
MNTX	comp=Z,39nm,1.5s	89.44	54	eP	P	11 25 26.9 +0.1
MNTX	Cornudas Mount	89.44	54	eP	P	11 25 27.4 +0.7
TX31	comp=Z,239,SNR=20	89.51	57	eP	P	11 25 28.1 +0.8
TXAR	Lajitas Ar. Si	89.51	57	eP	P	11 25 27.7 +0.5
TXAR	Lajitas Array	89.51	57	eP	LR	11 58 22.7
PHET	comp=Z,11nm,1.1s, baz=216,slow=6.2,SNR=40	89.51	285	P	P	11 25 29.6 +2.2
CRAG	comp=Z,232nm,19.4s, baz=0.0,slow=5.1	89.53	23	eP	P	11 25 28.8 +2.3
TMUT	Trail Mountain	89.58	45	eP	P	11 25 28.8 +1.3
Y22D	Rabbit Creek, A	89.59	51	P	P	11 25 27.6 +0.1
Y22E	IRIS PASSCAL I	89.59	51	P	P	11 25 27.6 +0.1
LENM	comp=Z,238	89.60	51	eP	P	11 25 28.8 +1.2
LAZ	Lemitar	89.61	51	eP	P	11 25 29.1 +1.4
GAMB	Ladron	89.64	2	eP	P	11 25 27.9 +1.1
RC01	Gambell	89.68	13	eP	P	11 25 28.2 +1.1
ENH	comp=Z,38nm,1.0s	89.70	304	eP	P	11 25 29.3 +1.3
MPU	Enshi	89.72	44	eP	P	11 25 29.4 +1.3
D08A	Maple, Oregon	89.79	36	eP	P	11 25 28.8 +0.8
SUA	Wollman Farm, comp=Z,155nm,1.3s	89.82	12	eP	P	11 25 28.3 +0.3
BNM	Susitna One	89.83	51	eP	P	11 25 29.6 +0.8
BNM	Rabbit Creek, A	89.83	51	eP	sp	11 25 58.9 -4.6
E09A	Barren Site	89.85	36	eP	P	11 25 29.1 +0.9
E09A	Wood Farm, Sta			eP	P	
E09A	comp=Z,52nm,1.4s			pmx	pmx	

SRU	San Rafael Swe	89.91	46	eP	P	11 25 29.7 +0.7
LPM	comp					

SMCO	Snowmass	92.26	47	eP	P	11 25 40.6 +0.4
833A	Chaparral WMA, baz=242	92.28	60	P	P	11 25 40.0 0.0
MSO	Missoula	92.33	38	P	P	11 25 40.1 +0.2
MSO	Missoula	92.33	38	eP	P	11 25 41.0 +1.1
MSO	Indian Meadow	92.35	42	eP	sP	11 25 09.9 -4.7
MSO	Indian Meadow	92.35	42	eP	P	11 25 41.1 +0.8
MOOV	Moose Ponds	92.38	42	eP	P	11 25 40.9 +0.5
LOHW	Long Hollow	92.42	42	eP	P	11 25 40.1 -0.3
KMI	Kunming	92.44	297	P	P	11 25 42.6 +1.5
KMI				pP	pP	11 26 04.5 -1.4
KMI				sP	sP	11 26 15.4 -0.4
KMI				sS	sS	11 36 35.7 -1.9
KMI				sS	sS	11 37 22.9 +2.6
KMI	comp=Z,34nm,0.7s				pmax	pmax
KMI	comp=Z,180nm,5.0s			LR	LR	
KMI	comp=Z,390nm,22.9s			LR	LR	
KMI	comp=Z,220nm,19.4s			LR	LR	
KMI	comp=Z,330nm,38.8s			LR	LR	
MSTX	Muleshoe	92.49	53	P	P	11 25 40.8 -0.2
MSTX	Muleshoe	92.49	53	eP	P	11 25 41.2 +0.3
SDCO	Great Sand Dun	92.49	49	P	P	11 25 41.0 -0.1
SDCO	Great Sand Dun	92.49	49	eP	P	11 25 41.5 +0.4
BWN	Browne	92.54	12	eP	P	11 25 42.0 +1.7
CM01	Chiang Mai Arr	92.55	289	eP	P	11 25 42.4 +0.9
BW06	Boulder Array	92.55	43	P	P	11 25 40.9 -0.3
BW06	Boulder Array	92.55	43	eP	P	11 25 41.2 0.0
PD31	Pinedale Array	92.55	43	eP	P	11 25 41.2 -0.1
PDAR	Pinedale Array	92.55	43	eP	P	11 25 40.4 -0.8
PDAR				LR	LR	11 59 00.0
LRM	Limekiln Ridge	92.57	39	eP	P	11 25 42.4 +1.2
LRM				eP	pP	11 26 09.3 +3.8
CM31	Chiang Mai Arr	92.58	289	eP	P	11 25 44.2 +2.6
CMAR	Chiang Mai Arr	92.58	289	P	P	11 25 42.9 +1.3
CMAR	comp=Z,1.3nm,0.6s,baz=144,slow=3.6,SNR=7.7				pP	11 29 24.4 -0.1
QLMT	Earthquake Lak	92.59	41	eP	P	11 25 42.7 +1.4
QLMT				eP	pP	11 26 09.6 +3.4
FLWY	Flagg Ranch	92.60	41	eP	P	11 25 42.4 +1.1
YPP	Pitchstone Pla	92.64	41	eP	P	11 25 43.6 +1.9
YHB	Horse Butte	92.68	41	eP	P	11 25 43.0 +1.2
YHB				eP	sP	11 26 11.7 -4.8
YFB	Old Faithful	92.73	41	eP	P	11 25 44.9 +2.9
CMHT	Chiang Mai	92.73	289	P	P	11 25 43.6 +1.3
CHTO	Chiang Mai	92.73	289	eP	P	11 25 43.7 +1.4
CHTO	Chiang Mai	92.73	289	P	P	11 25 43.7 +1.4
YMR	Madison River	92.77	41	eP	P	11 25 43.8 +1.6
ZEA	Zeya	92.79	331	eP	P	11 25 42.0 +0.3
ZEA				eS	SKSac	11 38 06.0 +0.6
ZEA				eS		11 36 41.0
ZEA	comp=Z,31nm,0.8s				pmax	pmax
ZEA	comp=N,200nm,13.0s				smax	smax
H17A	Grant Village	92.85	41	P	P	11 25 42.5 -0.1
H17A	Grant Village	92.85	41	eP	P	11 25 44.8 +2.2
DLBC	Dease Lake	92.90	23	eP	P	11 25 44.0 +1.8
BOZ	Bozeman (W)	92.91	40	P	P	11 25 43.1 +0.3
BOZ	Bozeman (W)	92.91	40	eP	P	11 25 43.0 +0.3
BOZ	Bozeman (W)	92.91	40	eP	P	11 25 43.0 +0.3
BOZ	Bozeman (W)	92.91	40	eP	P	11 25 43.0 +0.3
T25A	Trinidad	92.92	50	P	P	11 25 42.9 -0.1
T25A	Trinidad	92.92	50	eP	P	11 25 43.9 +0.8
JCT	Junction City	92.99	58	P	P	11 25 43.4 +0.1
JCT	Junction City	92.99	58	eP	P	11 25 43.6 +0.3
JCT	Junction City	92.99	58	eP	P	11 25 43.6 +0.3
JCT	Junction City	92.99	58	eP	P	11 25 43.6 +0.3
WRH	Wood River Hill	93.07	12	eP	P	11 25 42.4 -0.4
MLY	Manley	93.10	11	eP	P	11 25 42.0 -1.0
CMAI	Chiangmai2	93.14	291	P	P	11 25 45.4 +1.0
HDA	Harding Lake	93.24	13	eP	P	11 25 43.2 -0.4
CCB	Clear Creek Bu	93.28	12	eP	P	11 25 42.7 -1.0
Q24A	Divide	93.36	48	P	P	11 25 45.0 -0.1
HRY	Holter Researc	93.44	39	eP	P	11 25 46.5 +1.5
RWWY	Rawlins	93.44	45	eP	P	11 25 46.9 +1.6
RWWY				eP	sP	11 26 15.9 -4.1
ISCO	Idaho Springs	93.48	47	eP	P	11 25 45.4 -0.3
ISCO	Idaho Springs	93.48	47	eP	P	11 25 46.5 +0.9
COLM	College	93.48	12	eP	P	11 25 44.0 -0.5
MDM	Murphy Dome	93.48	12	eP	P	11 25 43.9 -0.1
ILAR	Eielson Array	93.57	13	P	P	11 25 44.0 -1.1
ILAR	comp=Z,7.8nm,1.0s,baz=220,slow=5.4,SNR=48				pp	11 29 28.5 -2.9
ILB	Eielson Array	93.57	13	eP	P	11 25 44.3 -0.8
IL1	Eielson Array	93.57	13	eP	P	11 25 42.6 -2.4
GO02	Mina Guanaco	93.61	120	eP	P	11 25 47.9 +1.2
HHC	Hu-ho-hao-te	93.69	314	eP	P	11 25 47.7 +1.4
HHC				SKS	SKSac	11 36 10.4 -2.1
HHC				pmax	pmax	
HHC	comp=Z,18nm,0.9s				pmax	pmax
HHC	comp=Z,180nm,4.8s			LR	LR	
HHC	comp=Z,440nm,18.1s			LR	LR	
HHC	comp=Z,380nm,18.1s			LR	LR	
AMTX	Amarillo	93.72	53	P	P	11 25 46.2 -0.4
AMTX	Amarillo	93.72	53	eP	P	11 25 47.0 +0.4
NNA	Nana	93.97	105	LR	LR	12 00 54.0
RLMT	Red Lodge	94.03	41	P	P	11 25 48.2 +0.3
RLMT	Red Lodge	94.03	41	eP	P	11 25 49.6 +1.6
RLMT				eP	pP	11 26 17.3 +4.5
ABTX	Abilene, Hawle	94.13	56	P	P	11 25 48.2 -0.3
ABTX	Abilene, Hawle	94.13	56	eP	P	11 25 48.9 +0.4
ABTX				eP	pP	11 26 17.6 +4.3
CD2	Chengdu	94.32	302	eP	pP	11 25 50.0 +0.6
CD2				pP	pp	11 26 12.9 -1.3
CD2				sP	pp	11 26 22.2 -1.9
CD2				pp	pp	11 29 38.2 +0.2

CD2				S	S	11 36 54.8 +1.3
CD2				sS	sS	11 37 34.8 -1.6
CD2				SS	SS	11 43 20.0 +2.2
CD2	comp=Z,20nm,0.5s			pmax	pmax	
CD2	comp=Z,220nm,5.0s			LR	LR	
CD2	comp=Z,630nm,20.9s			LR	LR	
K22A	Casper	94.38	44	P	P	11 25 49.8 +0.3
K22A	Casper	94.38	44	eP	P	11 25 50.6 +1.0
RDDG	Red Dog Mine	94.44	5	eP	P	11 25 49.9 +0.9
DAWY	Dawson	94.61	16	eP	P	11 25 50.9 +1.0
EGAK	Eagle	94.79	15	eP	P	11 25 50.9 +0.3
435B	Jarrell	94.82	58	P	P	11 25 51.4 -0.2
KSCO	Kaye Shedlock'	95.08	49	P	P	11 25 52.8 0.0
KSCO	Kaye Shedlock'	95.08	49	eP	P	11 25 55.7 +2.9
COLD	Coldfoot	95.21	10	eP	P	11 25 54.2 +1.7
WHTX	Lake Whitney, baz=243	95.47	57	P	P	11 25 54.5 -0.1
WMOK	Wichita Mounta	95.75	54	P	P	11 25 55.6 -0.2
WMOK	Wichita Mounta	95.75	54	eP	P	11 25 56.1 +0.3
WMOK	Wichita Mounta	95.75	54	eP	pmax	11 25 56.1 +0.3
WMOK	Wichita Mounta	95.75	54	eP	pmax	11 25 56.1 +0.3
VGNE	Ogallala	96.42	47	P	P	11 25 59.0 +0.2
TOLK	Toolik Lake Re	96.60	10	P	P	11 25 59.5 +0.6
TOLK	Toolik Lake Re	96.60	10	eP	P	11 26 01.5 +2.6
LZH	Lanzhou	96.64	307	eP	P	11 26 01.9 +1.9
LZH				pP	pP	11 26 25.0 +0.1
LZH				eP	sP	11 26 37.1 +2.3
LZH				eP	SS	11 29 58.4 +2.3
LZH				eP	SS	11 37 56.2 -0.4
LZH	comp=Z,25nm,1.0s				pmax	pmax
LZH	comp=Z,220nm,4.3s				pmax	pmax
LZH	comp=Z,360nm,18.5s			LR	LR	
LZH	comp=Z,540nm,19.1s			LR	LR	
LAO	LASA Array	96.66	41	P	P	11 25 59.6 -0.1
LAO	LASA Array	96.66	41	P	P	11 26 01.8 +1.1
RSSD	Black Hills	96.69	44	eP	P	11 25 59.8 -0.3
RSSD	Black Hills	96.69	44	eP	P	11 26 00.1 0.0
RSSD	Black Hills	96.69	44	eP	pP	11 26 28.6 +3.7
RSSD	Black Hills	96.69	44	eP	pP	11 26 00.1 0.0
RSSD	Black Hills	96.69	44	eP	pP	11 26 28.6 +3.7
RSSD	Black Hills	96.69	44	eP	pP	11 26 02.3 -0.6
YAK	Yakutsk	97.49	338	eP	P	11 26 01.8 -1.1
YAK	Yakutsk	97.49	338	eP	P	11 36 24.8
YAK				pmax	pmax	
YAK	comp=Z,21nm,0.9s				pmax	pmax
YAK	comp=N,2.0nm,1.0s				pmax	pmax
YAK	comp=E,46nm,2.8s				pmax	pmax
YAK	comp=N,112nm,2.5s				pmax	pmax
541A	Lake Charles	97.91	61	P	Pdif	11 26 06.1 +0.4
LPAZ	La Paz	99.30	113	P	Pdif	11 26 14.1 +1.1
LPAZ	comp=N,2.6nm,0.8s,baz=202,slow=2.9,SNR=10.0				LR	12 00 34.4
LPAZ	comp=N,134nm,19.0s,baz=246,slow=29				Pdif	11 26 14.8 +1.9
LPAZ	comp=N,3.8nm,0.9s				Pdif	11 26 14.9 +1.9
LPAZ	comp=Z,4.0nm,0.9s				Pdif	11 26 15.5 -0.8
SONM	Songino Array	100.35	318	P	Pdif	11 26 16.3 0.0
SONA1	Songino Array	100.35	318	ePdif	Pdif	11 26 16.0 +0.5
V40A	Witts Springs	100.60	55	P	Pdif	11 26 21.5 +2.3
GTA	Gaotai	100.97	308	eP	Pdif	11 26 48.0 +3.7
GTA				pP	pp	11 26 57.7 +3.5
GTA				sP	SS	11 30 34.2 +5.3
GTA				SKS	pmax	11 36 46.7
GTA	comp=Z,4.0nm,0.8s				pmax	pmax
GTA	comp=Z,82nm,5.3s			LR	LR	
GTA	comp=Z,170nm,20.6s			LR	LR	
GTA	comp=Z,270nm,22.0s			LR	LR	
GTA	comp=Z,390nm,21.0s			LR	LR	
R39A	Chumby, Stover	101.47	53	P	Pdif	11 26 21.3 0.0
S40A	Lebanon	101.57	54	P	Pdif	11 26 22.5 +0.8
Q31A	Willow Grove F	101.81	52	P	Pdif	11 26 24.0 +1.1
T49A	Mountain View	101.88	55	P	Pdif	11 26 23.9 +0.7
P39B	Salsbury	102.15	52	P	Pdif	11 26 25.1 +0.8
WMQ	Urumqi	111.01	309	PKP	PKP	11 31 02.6 0.0
WMQ	comp=Z,140nm,26.3s			LR	LR	
WMQ	comp=Z,160nm,35.5s			LR	LR	
WMQ	comp=Z,270nm,21.1s			LR	LR	
ZALV	Zalesovo Beam	115.19	320	PKP	PKP	11 31 08.9 -1.2
ZALV	comp=Z,5.5nm,0.6s,baz=161,slow=2.5,SNR=13					
MK01	Makanchi Array	115.42	312	ePKP	PKP	11 31 09.6 -1.3
MK01	Makanchi Array	115.43	312	ePKP	PKP	11 31 10.1 -0.8
MK01	Makanchi Array	115.43	312	ePKP	PKP	11 31 10.1 -0.7
MK01	Makanchi Array	115.43	312	ePKP	PKP	11 31 10.1 -0.7
MAK2	Makanchi	115.64	312	ePKP	PKP	11 31 09.8 -1.5
MAK2	Makanchi	115.64	312	ePKP	PKP	11 31 09.8 -1.5
OPO	Ambohioratopo	118.07	229	PKP	PKP	11 31 17.8 +0.8
KURK	Kurchatov	118.47	315	ePKP	PKP	11 31 15.5 -1.0
KURK	Kurchatov	118.47	315	ePKP	PKP	11 31 15.3 -1.2
KURK				pmax	pmax	
KURB	Kurchatov Arra	118.51	315	PKP	PKP	11 31 15.4 -1.2
KURB	comp=Z,8.5nm,0.9s,baz=111,slow=1.8,SNR=26					
KSH	Kashi	118.52	303	ePKP	PKP	11 31 18.5 +1.3
KSH				sPKP	pp	11 31 55.4
KSH				pp	pp	11 32 42.4 +6.6
BOSA	Boshof	121.48				

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRIZ, GOURA, SERG, ANX, PVO, PDO, etc.

Table for DDA 11:30:51.0,39:102N-29:11E, h13km, M12.3, Turkey. Includes stations like GDZ, DEMIRCI, DURS, MANT, etc.

Table for DDA 11:31:10.0,39:08N-29:16E, h7km, M12.3, Turkey. Includes stations like GDZ, DEMIRCI, MANT, etc.

IDC 11 11:32:52.2,6.14:53N-92:42W, h0km, mb3.4/4, mb1 3.8/6, mb1mx3.6/47, mbtmp3.6/M, ML2.5/2, MS3.8/3, MS1 3.7/3, ms1mx3.1/27, Error ellipse: s-maj=124.9km s-min=53.8km az=44.0

MEX 11 11:32:53.0-0.5, 13:97N-93:07W, h17km, M21km, MD3.8, ISC 11 11:32:53.4-1.6, 14:22N-01:92.96W, 0.09, h10km, n13, r124/14, mb3.5/4, MS4.0/3, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THIG, PCIG, TGIG, CMIG, TXAR, ANMO, PDAR, NVAR, YKA, CPUP, ILAR, SPITS, CMAR, etc.

ISCJB 11 11:59:18.7-0.4, 24:46N-01:02:122:32E, 01:02, h65km, 5km, Error ellipse: s-maj=3.5km s-min=2.2km az=164.0

JMA 11 11:59:18.3-0.1, 24:40N-122:27E, h71km, 2km, M2.3, TAP 11 11:59:18.4, 24:46N, 122:33E, h62km, 1km, ML3.5, D, ISC 11 11:59:19.4-1.2, 24:46N-01:03:122:31E, 01:02, h61km, 8km, n76, r0574/134, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWC, NANS, EGSS, ENA, JYNG, NTC, ILA, TWB1, YOJ, TWE, TWE, TIPB, TIPB, SLBB, SLBB, ENTT, ENTT, NACB, NACB, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWD, NWF, WFSB, WFSB, HWA, NNLW, NNLW, NNSB, NNSB, NNSH, NNSH, NNSH, ENLB, ENLB, NNS, NNS, NNS, YHNB, YHNB, NSK, NSK, YM07, YM07, YM07, YM11, YM11, YM10, YM10, YM04, YM04, WHF, WHF, WHF, ESL, ESL, TWS1, TWS1, TWS1, TWY, TWY, TWY, NTST, NTST, TWT, TWT, TWT, TDCB, TDCB, TDCB, CHGB, CHGB, CHGB, EGFH, EGFH, EGFH, NCUH, NCUH, NCUH, LIOB, LIOB, LIOB, NOST, NOST, NOST, HGSD, HGSD, HGSD, IRIF, IRIF, IRIF, EHY, EHY, EHY, SSLB, SSLB, SSLB, YULB, YULB, YULB, SMLT, SMLT, SMLT, HATJ, HATJ, HATJ, TYC, TYC, TYC, TWF1, TWF1, TWF1, FULB, FULB, FULB, JKRS, JKRS, JKRS, YUS, YUS, YUS, WJS, WJS, WJS, CHKT, CHKT, CHKT, JJJ, JJJ, JJJ, CHNS, CHNS, CHNS, ELDTW, ELDTW, ELDTW, WDLH, WDLH, WDLH, JISG, JISG, JISG, RLNB, RLNB, RLNB, TWH, TWH, TWH, STYT, STYT, STYT

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STYT, WTP, TWGB, TWG, TWK, TWK, CHN1, CHN1, SGST, SGST, SLGT, SLGT, SLGT, SLGT, JJJ, JJJ, ECL, ECL, ECL, SSD, SSD, JIRB, JIRB, JIRB, JIKM, JIKM, etc.

ISCJB 11 12:03:02.5-0.5, 16:1S-01:174:5W, 0.1, h200km, mb4.2/20, Error ellipse: s-maj=16.8km s-min=12.6km az=140.2

IDC 11 12:03:06.7-1.1, 16:10S-174:54W, h224km, 11km, mb4.1/18, mb1 4.2/20, mb1mx3.9/47, mbtmp4.6/20, Error ellipse: s-maj=15.4km s-min=10.1km az=138.0

NEIC 11 12:03:07.5-1.0, 16:17S-174:52W, h235km, 9km, mb4.5/1, Error ellipse: s-maj=13.6km s-min=8.7km az=138.0

ISC 11 12:03:04.7-0.5, 16:2S-01:174:7W, 0.1, h200km, n40, r186/44, mb4.4/20, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AFI, AFI, AFI, AFI, DZM, DZM, RPZ, RPZ, CTA, CTA, STKA, STKA, WRAB, WRAB, WRA, WRA, WRA, ASAR, ASAR, ASAR, BATI, BATI, VNSA, VNSA, NWAO, NWAO, MJAR, MJAR, JNU, JNU, PETK, PETK, QSPA, QSPA, NVAR, NVAR, ILAR, ILAR, PDAR, PDAR, MAW, MAW, CMAR, CMAR, SNA, SNA, NNA, NNA, MKAR, MKAR, BVAR, BVAR, ARCES, ARCES, FINES, FINES, BRTR, BRTR, GERES, GERES, CONA, CONA, MOA, MOA, MMAL, MMAL, WATA, WATA, SOKA, SOKA, DAVA, DAVA, OBKA, OBKA, MYKA, MYKA, FETA, FETA, ABTA, ABTA, etc.

NEIC 11 12:19:49.2-0.4, 16:04N-98:54W, h12km, MD4.0(MEX), After MEX. MEX 11 12:19:49.2-0.4, 16:04N-98:54W, h12km, 13km, MD4.0, Near coast of Guerrero

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

NIED 11 12:40:00.45:40N:151.90E, h14km, Mw3.8 Best double couple: Ms5.78000x10^14 NP1.9x25.00000^0.835, 0.00000^0.117, 0.00000^0. NP2.0x3.00000^0.860, 0.00000^0.172, 0.00000^0.000

MOS 11 12:40:03.4:1.5, 44:84N:152:33E, h35km, mb4.4/5, Error ellipse: s-maj=13.3km s-min=13.0km az=114.7

JMA 11 12:40:05.4:0.7, 45:37N:151.91E, h30km, Mw1.1 SKHL 11 12:40:06.1:0.1, 45:10N:151.97E, h40km, mb4.8/3

IDC 11 12:40:17.5:2.1, 47:06N:149.59E, h30km, mb4.0/8, mb1.4/0.10, mb1mx3.7/7.0, mbtmp3.9/10, ML3.4/1, MS3.4/4, Ms1.3/4.4, ms1mx2.7/7.5, Error ellipse: s-maj=53.2km s-min=25.2km az=159.0

ISC 11 12:40:05.3:1.4, 44.7N:0.1:152:1E:0.1, h41km, n51, c2=14/55, mb4.2/9, MS3.6/4, 3C-1D, East of Kuril Islands

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, NEM2 Nemuro 2, JRA Rausu, JNK Nakash, JAK Akkeshi, JTKR Abashiri-Toko, JAR Ashorobuto, JOB Onbets, JMP Maruseppu, SKR Severo-Kuril's, JCH Churui, JKK2 Kamakawa 2, ASAJ Asahikawa, ASAJ Asahikawa, JFR Furan, JER Erimo, JER Erimo, JNBK Urawaka-nobuka, JNBK Inik, JBT2 Biratori 2, JNB Noboribetsu, JNB Kayabe, JKB Kayabe, JANG Nango, PETK Petropavlovsk-b, PETK Petropavlovsk-b, KLR Kul'dur, KLR Kul'dur, ZEA Zeya, YAK Yakutsk, GUM Guam, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, ARCS ARCESS Array B, ARCS ARCESS Array B, ARCS ARCESS Array B, NVAR Miina Array Bea, FINES FINESS Array B, FINES FINESS Array B, GEYT Alibeck, HFS Hagfors, HFS Hagfors, HFS Hagfors, HFS Hagfors, PALK Pallekele

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBZ Khabaz, AKASG Malin Array Be, AKASG Malin Array Be, TXAR Lajitas Array

MEX 11 13:01:08.4:0.4, 16:03N:98:54W, h16km, 56km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tlapa

NEIC 11 13:01:57.3:0.0, 16:34N:98:28W, h7km, MD4.0(MEX), After MEX.

MEX 11 13:01:57.0:0.5, 16:33N:98:29W, h6km, 53km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, VHO Vista Hermosa, CAIG El Cayaco, CAIG El Cayaco, MEIG Mezcala, MEIG Mezcala, HUIG Huatulco, HUIG Huatulco, MAVM Malinalco, Edo, MAVM Malinalco, Edo

IDC 11 14:10:00.6:2.1, 36:73N:142:20E, h0km, mb3.4/3, mb1.3/5, mb1mx3.3/6.1, mbtmp3.5/5, ML3.2/2, MS2.3/1, Ms1.2/3.1, ms1mx1.9/3.9, Error ellipse: s-maj=43.8km s-min=26.6km az=54.0

JMA 11 14:10:03.4:0.2, 36:97N:141:98E, h7km, 53km, M3.3

ISC 11 14:09:59.3:2.3, 36:90N:0:05:142:10E:0.09, h0km, 12km, n24, c2=26/22, mb3.2/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONAJ Iwakimizuishiy, JFK Kawachi, JFK Fukushimafurud, JHO Hitachi, JHO Hitachi, JMT Marumori, JMT Otama, JIO Okura, JIO Okura, JOU Oki, JOU Oki, JFY Yanaizu, JFY Yanaizu, JYS Shirataka, JYS Shirataka, JMK Ichinoseki, JMK Ichinoseki, JAG Ashikaga, JAG Ashikaga, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro, MAT Matsushiro, JHJ Hachioji jima 2, JHJ Hachioji jima 2, H1N2 WAKE ISLAND Hy 27.61 122 T, H1N1 WAKE ISLAND Hy 27.62 122 T, H1N3 WAKE ISLAND Hy 27.63 122 T, H1S1 WAKE ISLAND Hy 28.33 124 T, H1S3 WAKE ISLAND Hy 28.33 124 T, H1S2 WAKE ISLAND Hy 28.34 124 T, KURBS Kuratov Arr, WRA Warramunga Arr, ASAR Alice Springs

IDC 11 14:34:23.9:0.9, 1:56N:90:92W, h0km, mb4.0/10, mb1.4/3/10, mb1mx4.0/4.1, mbtmp4.1/10, MS3.4/8, Ms1.3/4.8, ms1mx3.1/3.8, Error ellipse: s-maj=39.7km s-min=15.8km az=50.0

ISCJB 11 14:34:24.3:0.5, 1:77N:0:07:90:71W:0.09, h10km, mb4.2/26, MS3.4/6, Error ellipse: s-maj=15.4km s-min=7.6km az=147.0

NEIC 11 14:34:25.0:4.0, 1:69N:90:77W, h10km, mb4.4/19, Error ellipse: s-maj=11.8km s-min=6.0km az=57.0

ISC 11 14:34:24.8:0.7, 1:60N:0:09:90:9W:0.1, h10km, n47, c0=89/34, mb4.3/26, MS3.5/6, Galapagos Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PAYG Puerto Ayora, ROSC Rosatov Arr, RUSC La Rusia, MYIG Kuratov Arr, NNA Nana, SDV Santo Domingo, LPAZ La Paz, LPAZ La Paz, SJG San Juan, TXAR Lajitas Array, PTGA Pitinga, WMOK Wichita Mounta, SIV San Ignacio

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like S39A Bolivar, CCM Cathedral Cave, R40A Maddies Statio, P40A Paris, SDCO Great Sand Dun, WUAZ Wupatki, ISCO Icho Springs, K38A Parkersburg, ECSD EROS Data Cent, CPUP Villa Florida, TCUT Toone Canyon, SADO Sadowa, PDAR Pinedale Array, NV01 Miina Array Sit, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR 1.7nm,0.8s,baz=155,slow=9.8,SNR=12, PKP, KVN Kaiserville, FXWY Fox Creek, HLID Halley, RKT Rikitea, SCHO Schafferville, PPT Papeete, PPT2 Papeete2, IL1 Eielson Array, ILAR Eielson Array, ESDC Sencosa Array, SNAJ SNAJ, H1N3 WAKE ISLAND Hy10.96 290 T, H1N2 WAKE ISLAND Hy10.99 290 T, H1N1 WAKE ISLAND Hy10.01 290 T, H1S2 WAKE ISLAND Hy10.21 289 T, H1S1 WAKE ISLAND Hy10.21 289 T, H1S3 WAKE ISLAND Hy10.31 289 T, WRA Warramunga Arr

NNC 11 14:35:16.6:3.3, 37:10N:70:77E, h0km, mb3.7, mpv3.3, 1C-5D, Error ellipse: s-maj=24.8km s-min=22.2km az=167.0, Afghanistan-Tajikistan border region

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

IDC 11 14:48:23.4:0.8, 35:28N:76:23E, h0km, mb3.9/12, mb1.4/0.17, mb1mx3.8/6.0, mbtmp3.9/17, ML3.2/14, MS1.3/2.14, ms1mx3.0/6.7, Error ellipse: s-maj=22.5km s-min=14.0km az=54.0

ISCJB 11 14:48:24.1:0.4, 35:48N:0:04:76:39E:0.07, h10km, mb4.2/17, MS3.2/11, Error ellipse: s-maj=8.9km s-min=3.8km az=148.0

BUI 11 14:48:27.0:35:61N:76:43E, h7km, mb4.3/10, mb4.3/7, ML4.2/3, MS3.9/2

NEIC 11 14:48:32.8:1.2, 35:62N:76:51E, h68km, 11km, mb4.2/5, Error ellipse: s-maj=11.9km s-min=9.7km az=181.0

NNC 11 14:48:35.9:2.0, 36:13N:76:50E, h0km, mb4.1, mpv3.9, Error ellipse: s-maj=17.7km s-min=11.8km az=16.0

ISC 11 14:48:26.0:0.6, 35:53N:0:06:76:39E:0.07, h10km, n62, c1=192/59, mb4.0/17, MS3.2/10, 3C-2D, Eastern Kashmir

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSH Kashi, KSH Kashi, KBL Kabul, TARG Taragay, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, MNAS Manas, MNAS Manas, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, PYUN Piuthan, DANN Dangsing, KOLN Koldan, GKN Gorkha, KKN Kakan, DMN Daman, PKIN Pichukhoi, JIRN Jiri, WMO Urumqi, MAK2 Makanchi, MK01 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, RAMN Ramite, ODAN Odare

GMRC Granite Mounta baz=140	40.26 328 P	P	15 23 24.4 -0.4	I37A comp=Z,37nm,1.7s Lemond, Waseca baz=176	42.23 357 P	P	15 23 40.0 -0.7	F46A Macinaw City C baz=189	44.25 6 P	P	15 23 57.2 +0.2
ISCO Idaho Springs baz=157,SNR=14	40.27 342 P	P	15 23 25.8 +1.8	I37A Lemond, Waseca comp=Z,113nm,1.6s	42.23 357 eP	P	15 23 40.0 -0.2	ACCN Adirondack Com comp=Z,11nm,0.9s	44.27 18 eP	P	15 23 56.4 -0.8
ISCO Idaho Springs comp=Z,76nm,1.5s	40.27 342 eP	P	15 23 26.0 +0.8	ARVC Arvin baz=136	42.26 325 P	P	15 23 39.9 -1.2	COWI Coway comp=Z,24nm,1.5s	44.28 2 eP	P	15 23 57.7 +0.5
ISCO Idaho Springs baz=183	40.27 342 eP	P	15 23 25.8 +0.8	I36A Fitzsimmons Fa baz=175	42.27 357 P	P	15 23 40.8 -0.1	F44A Big Bay de Noc baz=186	44.30 4 P	P	15 23 57.5 +0.2
L39A Vinton baz=178	40.29 359 P	P	15 23 25.3 +0.6	PSUT Pine Spring comp=Z,48nm,1.9s	42.31 333 eP	P	15 23 42.8 +1.1	NV11 Mina Array Sit comp=Z,6.9nm,1.9s	44.32 329 eP	P	15 23 59.0 +1.1
PV09 Paradise Valley N54A Moraine State baz=197	40.31 338 eP	P	15 23 26.5 +1.2	DAC Darwin (Calif) comp=Z,17nm,1.6s	42.41 327 eP	P	15 23 43.6 +1.1	F32A Veblen baz=171	44.37 354 P	P	15 23 57.9 0.0
L38A Oak Wood Farm, baz=177	40.34 358 P	P	15 23 25.4 +0.2	ISA Isabella, Lake baz=137	42.45 326 P	P	15 23 43.5 +0.8	NV01 Mina Array Sit NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
L37A Phoenix Point, baz=175	40.36 357 P	P	15 23 25.7 +0.4	ISA Isabella, Lake comp=Z,36nm,1.8s	42.45 326 eP	P	15 23 43.6 +0.9	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
MVL Millersville comp=Z,19nm,0.8s	40.37 17 eP	P	15 23 29.6 +4.2	ISA Isabella, Lake baz=136	42.45 326 eP	P	15 23 43.6 +0.9	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
L43A Garden Prairie baz=183	40.38 2 P	P	15 23 25.4 -0.1	BINY Binghamton comp=Z,36nm,1.8s	42.50 16 P	P	15 23 43.3 +0.4	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
OGNE Ogallala baz=163	40.39 347 P	P	15 23 26.5 +0.8	MPU Maple Canyon comp=Z,12nm,1.3s	42.59 336 eP	P	15 23 43.5 -0.5	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
L36A Harm Buss Farm baz=177	40.40 356 P	P	15 23 25.5 -0.1	PKM Mpherson Peak baz=135	42.66 324 P	P	15 23 44.5 -0.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
L44A Lake County Fo baz=184	40.42 3 P	P	15 23 26.2 +0.4	CPUP Villa Florida comp=Z,3.2nm,0.6s,baz=328,slow=8.5,SNR=7.6	42.68 133 P	P	15 23 45.0 +0.5	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SSPA Standing Stone baz=200	40.53 15 P	P	15 23 28.5 +1.8	CPUP Villa Florida comp=Z,416nm,20.1s,baz=332,slow=37	42.68 133 eP	P	15 23 43.9 -0.7	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
BBRC Big Bear Solar baz=138	40.56 326 P	P	15 23 26.8 -0.6	CPUP Villa Florida comp=Z,52nm,1.6s	42.68 133 eP	P	15 23 43.9 -0.7	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SC12 San Clemente I baz=135	40.58 323 P	P	15 23 26.7 -0.6	CPUP Villa Florida comp=Z,62nm,1.6s	42.68 133 eP	P	15 23 43.9 -0.7	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
HEC Hector Ludlow baz=139	40.65 327 P	P	15 23 29.2 +1.2	H43A Windswept, Lux baz=184	42.71 3 P	P	15 23 45.5 +0.9	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
PKCU Pink Cliffs comp=Z,53nm,1.4s	40.72 333 eP	P	15 23 30.4 +1.6	H42A Shiocton baz=183	42.71 2 P	P	15 23 46.1 +1.6	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K41A Shullsburg baz=181	40.76 1 P	P	15 23 28.2 -0.5	H40A Chili baz=181	42.78 0 P	P	15 23 45.5 +0.4	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
LCMT Little Creek M comp=Z,40nm,2.0s	40.80 332 eP	P	15 23 29.2 +0.1	H41A Junction City baz=182	42.78 1 P	P	15 23 45.4 +0.2	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
CIS Catalina Isian baz=135	40.80 324 P	P	15 23 28.9 -0.2	H41A Junction City comp=Z,47nm,1.4s	42.78 1 eP	P	15 23 44.7 -0.5	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K38A Parkersburg baz=177	40.84 358 P	P	15 23 30.0 +0.7	CWC Cottonwood Cre baz=138	42.80 327 P	P	15 23 46.4 +0.7	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K38A Parkersburg comp=Z,155nm,1.5s	40.84 358 eP	P	15 23 29.4 +0.2	H36A Jesseland, He baz=176	42.82 357 P	P	15 23 46.2 +0.8	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K40A Colesburg baz=180	40.85 360 P	P	15 23 30.1 +0.7	BASO Ashland baz=194	42.95 10 P	P	15 23 47.5 +1.0	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K39A Oelwein baz=178	40.87 359 P	P	15 23 29.9 +0.4	R11A Troy Canyon, C baz=142,SNR=7.7	42.98 331 P	P	15 23 48.0 +0.9	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
TUQ Turquoise Moun baz=149	40.89 328 P	P	15 23 31.2 +1.2	R11A Troy Canyon, C comp=Z,55nm,1.8s	42.98 331 eP	P	15 23 47.3 +0.3	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K36A Gilmore City baz=174	40.92 356 P	P	15 23 29.0 -1.0	H35A Sunnyside Ranc baz=174	43.00 356 P	P	15 23 46.6 -0.3	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K43A Burlington baz=184	40.92 3 P	P	15 23 29.7 -0.3	JLU Jordanelle comp=Z,32nm,1.6s	43.02 337 eP	P	15 23 48.5 +1.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
M54A Oil Creek Stat baz=197	40.92 13 P	P	15 23 29.6 -0.5	H32A Carlson Farm, baz=170	43.06 353 P	P	15 23 47.4 -0.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
FMP Fort Macarthur baz=139	40.95 324 P	P	15 23 28.6 -1.7	SMMC Simmler baz=135	43.07 324 P	P	15 23 46.6 -1.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
BFSC Mount Baldy Ra baz=137	40.95 325 P	P	15 23 29.8 -0.7	BWLO Walerton baz=194	43.14 10 P	P	15 23 49.3 +1.2	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K42A Prairie Point, baz=182	40.95 2 P	P	15 23 30.3 +0.1	K22A Casper baz=157	43.16 343 P	P	15 23 49.2 +0.8	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
AAM Ann Arbor baz=180	40.97 8 eP	P	15 23 28.4 -1.8	K22A Casper comp=Z,27nm,1.5s	43.16 343 eP	P	15 23 49.2 +0.8	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
AAM Ann Arbor baz=180	40.97 8 eP	P	15 23 28.5 -1.8	S25A Miller baz=168	43.20 352 P	P	15 23 49.2 +0.6	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
K37A Rancho Palos V Jewell Farm baz=181	41.00 357 P	P	15 23 30.4 -0.1	CTU Camp Tracy comp=Z,52nm,1.3s	43.22 337 eP	P	15 23 50.2 +1.3	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
RPV Rancho Palos V Jewell Farm baz=181	41.03 324 eP	P	15 23 33.1 +2.1	DUG Dugway, Tooele baz=147	43.22 337 eP	P	15 23 49.8 +0.7	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
JFWS Jewell Farm comp=Z,125nm,1.9s	41.07 1 eP	P	15 23 31.2 0.0	DUG Dugway, Tooele comp=Z,119nm,1.8s	43.23 335 P	P	15 23 49.8 +0.7	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
JFWS Jewell Farm comp=Z,125nm,1.9s	41.07 1 eP	P	15 23 31.2 0.0	DRWO Darlington Wes baz=198	43.38 13 P	P	15 23 53.5 +3.5	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
JFWS Jewell Farm comp=Z,125nm,1.9s	41.07 1 eP	P	15 23 31.2 0.0	DRCO St. Marys Ceme baz=198	43.40 13 P	P	15 23 53.3 +3.2	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
MTPU Mount Pierson comp=Z,30nm,1.9s	41.16 334 eP	P	15 23 32.9 +0.4	SPMN Marie on St. baz=177	43.41 358 P	P	15 23 50.8 +0.5	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SZCU Shurtz Canyon comp=Z,64nm,1.8s	41.20 333 eP	P	15 23 33.7 +1.1	G40A Rib Lake baz=181	43.42 1 P	P	15 23 50.7 +0.3	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
GSC Goldstone, Bar baz=139	41.26 327 P	P	15 23 33.2 +0.2	G40A Rib Lake comp=Z,85nm,1.8s	43.42 1 eP	P	15 23 50.7 +0.3	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
GSC Goldstone, Bar comp=Z,6nm,0.6s	41.26 327 eP	P	15 23 34.3 +1.3	G39A Holcombe baz=180,SNR=13	43.42 1 P	P	15 23 50.4 -0.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
CCUT Cedar City comp=Z,18nm,1.5s	41.29 333 eP	P	15 23 34.1 +0.8	G42A Mountain baz=184	43.46 360 P	P	15 23 50.1 +0.4	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SHPR Sheep Range comp=Z,22nm,1.6s	41.32 330 eP	P	15 23 34.1 +0.6	G42A Mountain comp=Z,33nm,1.3s	43.45 2 P	P	15 23 49.3 -1.2	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
DECC Green Verdugo baz=136	41.35 325 P	P	15 23 34.2 +0.5	TCUT Toone Canyon comp=Z,112nm,1.3s	43.45 337 eP	P	15 23 51.9 +1.0	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SNCC San Nicolas Is baz=134	41.36 323 P	P	15 23 33.1 -0.6	G36A St. Michael baz=176	43.46 357 P	P	15 23 50.9 +0.3	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	G35A Watkins baz=175	43.49 356 P	P	15 23 51.2 +0.3	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe baz=184	41.38 337 eP	P	15 23 34.0 0.0	G43A Wallace baz=185	43.50 3 P	P	15 23 51.0 0.0	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	G43A Wallace comp=Z,40nm,1.4s	43.50 3 eP	P	15 23 50.8 -0.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	BMRO Merville Lake baz=173	43.59 10 P	P	15 23 52.3 +0.6	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	G34A Benson baz=173	43.60 355 P	P	15 23 51.8 +0.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	CLWO Collingwood baz=172	43.62 11 P	P	15 23 52.8 +0.9	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	G33A Ortonville baz=172	43.63 354 P	P	15 23 51.4 -0.6	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	RSSD Black Hills baz=181	43.67 346 P	P	15 23 55.1 +0.9	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41.38 337 eP	P	15 23 34.0 0.0	F37A Hirschs Farm, baz=178	43.91 358 P	P	15 23 54.1 -0.1	NVAR Isarray Bea comp=Z,5.2nm,0.8s,baz=161,slow=8.9,SNR=44	44.40 329 eP	P	15 23 59.7 +1.2
SRU San Rafael Swe comp=Z,11nm,1.2s	41										

11d 15h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like HLID Hailey, B34A Aery, BELO Belleterre, etc.

2012 JUL

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SML Sawmill, HDA Harding Lake, ILR Elison Array, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KURBB Kurchatov Arra, ULN Ulanbaatar, SONAI Songino Array, etc.

KRSC 11 15:18.28.0.8,54.99N; 162.39E, h44km, 17km, ML4.5
ISCJB 11 15:18.29.7.0,8.55; 02N; 0.02; 162.40E; 0.05, h28km, 6km,
mb3.7/11, MS2.9/1, Error ellipse: s-maj=5.5km

MOS 11 15:18.30.5.1, 0.55; 06N; 162.30E, h46km, mb4.1/5, Error
ellipse: s-maj=8.2km s-min=4.8km az=83.4
IDC 11 15:18.36.1.2,3.55; 28N; 161.77E, h82km, 24km, mb3.5/10,
mb1.3/7/11, mb1mx3.4/79, mbmp3.7/11, MS3.0/4,
Ms1.3/0/4, ms1mx2.6/94, Error ellipse: s-maj=23.9km
s-min=15.2km az=138.0

ISC 11 15:18.30.1.1, 55.05N; 0.03; 162.32E; 0.03, h26km, 9gkm,
n8ch, f137/138, mb3.9/11, 1D, Near east coast of
Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other parameters. Includes stations like MKZ Mys Kozlova, MKZ Mys Kozlova, MKZ Mys Kozlova, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like Esso, MYS Shipunski, Nalytchevo, Sedlovina, Somma, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like GUMKMAS, JAJAG, BANYUUGLUR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like ASAR, MKAR, NNC, SFK, MNAS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like KSH, SFK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like KBL, TARG, KDJ, etc.

11d 16h

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s-maj=38.9km s-min=15.8km az=51.0
NEIC 11 15:22:34.6.0.4, 1.56N,90.89W, h10km, mb4.0/3, Error ellipse: s-maj=20.4km s-min=8.0km az=63.0

ISC 11 15:22:34.6.0.7, 1.6N,101.90W,0.2, h10km, n27, e091/22, mb4.1/15, Galapagos Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like Puerto Ayora, La Paz, Lajitas Array, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like Diego Garcia H, Diego Garcia H, Alice Springs, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like TEZP, GUWAHATI, ITANAGAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like LOD, ANTO, ANKA, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like ELDT, MDUB, MDUB, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like TXAR, NVAR, ILAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like GSPH, MATI, DMPH, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like KBS, KBS, KBS, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like SPA0, SPA0, SPA0, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like DAG, DAG, HSP, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like JMW, JMW, JMW, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like ARA0, ARA0, ARA0, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like NB2, NB2, NB2, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like FIAO, FIAO, FIAO, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like SCHE, SCHE, SCHE, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like ILAR, ILAR, ILAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like AKTO, AKTO, AKTO, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like FNSD, FNSD, FNSD, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like PDAR, PDAR, PDAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like LZH, LZH, LZH, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like ANMO, ANMO, ANMO, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like TXAR, TXAR, TXAR, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like GYA, GYA, GYA, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Lists stations like VMUR, VMUR, VMUR, etc.

ISCJB 11 16:26:00.8.0.9, 38.85N, 104.43E, h11km, 6km, Error ellipse: s-maj=9.8km s-min=7.3km az=116

CSEM 11 16:26:00.7.0.3, 38.87N, 104.58E, h10km, ML2.7, Error ellipse: s-maj=6.7km s-min=5.4km az=127.0

ISC 11 16:26:00.4.1, 38.85N, 104.43E, h13km, ML2.6/4, DDA 11 16:26:01.1, 38.89N, 104.57E, h14km, M1.7

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like NGP Nagpur, LSA Lhasa, THW Thamme Wali, etc.

NIED 11 17:31:00, 38.10N, 143.40E, h17km, Mw3.5 Best double couple: M1.87000x1014 NP1.8x173.00000, 347.00000, 7.473.00000. NP2=78.00000, 885.00000, 1.44.00000.

ISCJB 11 17:31:49.0.9, 38.06N, 143.34E, h19km, mb3.5/7, MS2.9/2, Error ellipse: s-maj=11.9km s-min=6.0km az=32.0

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like OJF Ouri, OFUJ Onafuto, JMK Ichinoseki, etc.

HFS Hagfors 73.81 336 P P 17 43 24.3 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like GUC 11 17:33:36.4, 0.6, 24.20S, 67.67W, h218km, 10km, ML3.7, etc.

ISCJB 11 17:43:29.7, 0.3, 1.46S, 0.04x127.45E, 0.03, h25km, mb4.2/15, MS4.5/1, Error ellipse: s-maj=5.4km

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like LBMI Labuha, SANI Sanana, NLAJ Namlea, etc.

ISC 11 17:43:30.9, 0.5, 1.61S, 0.04x127.47E, 0.05, h25km, n50, r160/52, mb4.2/15, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like KMSI Cibinung, LUWI Luwuk, FAKI Fak Fak, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like PSET Sete Cidades, PDA Ponta Delgada, PDA Ponta Delgada, etc.

ISC 11 18:00:05.4, 2.4, 43.50N, 105.25W, h0km, mb1 3/9/2, mb1mx3.3/58, mbtmp3.7/2, ML3.6/2, Error ellipse: s-maj=8.2km s-min=9.8km az=153.0

ISCJB 11 18:00:06.3, 0.5, 43.93N, 104.05W, 24W, 0.06, h0km, Error ellipse: s-maj=6.5km s-min=5.1km az=18.0

NEIC 11 18:00:07.2, 0.5, 43.84N, 105.20W, h0km, ML3.2, Error ellipse: s-maj=8.2km s-min=7.4km az=159.0, Suspected Mining explosion.

NEIC 55 km [34 miles] SSE of Gillette. ISC 11 18:00:08.1, 0.4, 43.86N, 105.24W, h0.05, h0km, n22, r130/24, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like RSSD Black Hills, RSSD Black Hills, K22A Casper, etc.

ISC 11 18:02:51.6, 2.2, 17.72S, 71.88W, h94km, 21km, mb3.9/4, mb1 4.0/9, mb1mx3.6/43, mbtmp4.3/9, MS2.8/4, Ms1 2.8/4, ms1mx2.7/37, Error ellipse: s-maj=23.4km s-min=13.0km az=23.0

GUC 11 18:02:51.0, 0.4, 17.72S, 72.02W, h11km, 149km, ML4.4, NEIC 11 18:02:51.1, 1.2, 17.75S, 71.83W, h87km, 14km, mb4.1/1, ML4.5(ARE), Error ellipse: s-maj=17.3km s-min=10.2km az=218.0

NEIC Felt [III] at Mollendo and [II] at Arequipa and Camana. ISCJB 11 18:02:52.4, 0.5, 17.66S, 0.04x127.47E, 0.05, h111km, 7km, mb3.8/3, Error ellipse: s-maj=8.6km s-min=6.1km az=143.7

ISC 11 18:02:53.1, 0.9, 17.64S, 0.06x171.82W, 0.07, h105km, 11km, n33, r91/24/37, mb3.9/3, 8C, Near coast of Peru

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, H m s, I S C. Includes stations like ARCH Arica, ARCH Arica, ARCH Arica, etc.

243A	Waterproof	49.46 342	P	P	21 01 24.4	-2.6
249A	Columbiana	49.47 348	P	P	21 01 24.7	-2.5
341A	Kurthwood	49.48 340	P	P	21 01 25.2	-1.9
Y54A	Tignall	49.48 352	P	P	21 01 24.9	-2.3
Y53A	Monroe	49.60 351	P	P	21 01 25.1	-3.0
Y52A	Liburn	49.68 351	P	P	21 01 24.9	-3.9
Y52A	Liburn	49.68 351	eP	P	21 01 26.7	-2.0
247A	Carrollton	49.81 346	P	P	21 01 27.1	-2.6
242A	Grayson	49.83 341	P	P	21 01 27.8	-2.1
144A	Alexander Plac	49.86 344	P	P	21 01 28.0	-2.1
248A	Northport	49.87 347	P	P	21 01 27.3	-2.8
Y51A	Rockmart	49.88 350	P	P	21 01 27.6	-2.7
Y50A	Piedmont	49.99 349	P	P	21 01 30.0	-1.1
Z46A	Louisville	50.01 345	P	P	21 01 30.3	-0.9
Y49A	Blount Mountai	50.09 348	P	P	21 01 30.9	-1.0
Y49A	Blount Mountai	50.09 348	eP	P	21 01 29.6	-2.2
X53A	Estanolle	50.20 352	P	P	21 01 30.1	-2.5
142A	Monroe	50.22 342	P	P	21 01 30.0	-2.8
Y48A	Jasper	50.30 347	P	P	21 01 30.3	-3.1
240A	Hunter Patters	50.32 340	P	P	21 01 30.3	-3.3
Z45A	Winona	50.37 345	P	P	21 01 31.5	-2.4
NATX	Nacogdoches	50.38 339	P	P	21 01 32.2	-1.8
X52A	Dahlonega	50.38 351	P	P	21 01 32.0	-2.0
Y47A	UCPARC, Winfie	50.44 347	P	P	21 01 31.8	-2.6
Z44A	Pea Ridge, Bel	50.48 344	P	P	21 01 30.9	-3.8
X51A	Calhoun	50.50 350	P	P	21 01 31.9	-3.0
X50B	Fort Payne	50.53 349	P	P	21 01 31.5	-3.7
141A	Papa Simpson,	50.57 341	P	P	21 01 32.5	-2.9
KMSC	Kings Mountain	50.59 354	P	P	21 01 32.7	-2.8
435B	Jarrell	50.60 335	P	P	21 01 32.9	-2.8
Z43A	Armstrong Fami	50.64 343	P	P	21 01 33.2	-2.7
Y46A	Houston	50.65 346	P	P	21 01 33.4	-2.6
X49A	Woodville	50.71 348	P	P	21 01 34.4	-2.1
X48A	Hartselle	50.80 348	P	P	21 01 34.7	-2.4
X48A	Hartselle	50.80 348	eP	P	21 01 34.8	-2.4
Y45A	Yeager Farm, C	50.80 345	P	P	21 01 33.2	-3.9
140A	Cam and Jess,	50.81 340	P	P	21 01 33.5	-3.8
W53A	Cullowhee	50.84 352	P	P	21 01 33.8	-3.8
W52A	Murphy	50.87 351	P	P	21 01 34.2	-3.5
Z42A	Norrei Spur, H	50.90 342	P	P	21 01 34.3	-3.6
X47A	Russelville	51.03 347	P	P	21 01 35.8	-3.1
Y44A	Strider, Chari	51.06 344	P	P	21 01 36.2	-2.9
Z41A	Richard Creek	51.14 341	P	P	21 01 37.0	-2.7
W50A	Signal Mountai	51.20 350	P	P	21 01 37.8	-2.3
Y43A	Makyla and Ka	51.21 344	P	P	21 01 38.3	-1.9
JCT	Junction City	51.27 333	P	P	21 01 38.8	-2.0
HPIG		51.27 325	eP	P	21 01 41.6	+0.5
W53A	Saluda	51.28 352	P	P	21 01 38.8	-2.0
W49A	Belvidere	51.29 349	P	P	21 01 38.4	-2.4
X45A	UM Field Stati	51.30 345	P	P	21 01 38.0	-2.9
Z40A	Long Farm, Mag	51.33 341	P	P	21 01 38.4	-2.7
Y42A	Garnett, Star	51.38 343	P	P	21 01 38.9	-2.6
OXF	Oxford	51.38 345	P	P	21 01 39.3	-2.2
TKL	Tuckaleechee C	51.40 351	P	P	21 01 39.6	-2.0
TKL	Tuckaleechee C	51.40 351	eP	LR	21 24 31.7	
TKL	Tuckaleechee C	51.40 351	eP	P	21 01 39.1	-2.6
TKL	Tuckaleechee C	51.40 351	eP	P	21 01 39.1	-2.6
W48A	Pulaski	51.44 348	P	P	21 01 39.8	-2.1
PLAL	Pickwick Lake	51.52 347	eP	P	21 01 40.1	-2.5
V52A	Sevierville	51.55 352	P	P	21 01 40.5	-2.3
V52A	Sevierville	51.55 352	eP	P	21 01 40.7	-2.1
WHTX	Lake Whitney,	51.62 336	P	P	21 01 41.8	-1.6
V50A	Pikeville	51.62 350	P	P	21 01 40.8	-2.4
V51A	Loudon	51.63 351	P	P	21 01 41.4	-1.9
Y41A	Eagleette Beard	51.66 342	P	P	21 01 41.6	-2.1
W47A	Westpoint	51.68 347	P	P	21 01 41.5	-2.3
W46A	Michie	51.74 347	P	P	21 01 41.4	-2.7
X43A	Marvell	51.77 344	P	P	21 01 42.5	-1.9
V49A	McMinnville	51.85 349	P	P	21 01 43.6	-1.4
LPIG	La Paz	51.93 319	LR	LR	21 19 10.8	
U53A	Fall Branch	51.94 353	P	P	21 01 44.0	-1.7
W45A	Hickory Valley	51.95 346	P	P	21 01 44.5	-1.2
Y40A	Okolona	51.99 341	P	P	21 01 43.4	-2.7
V48A	Smith Brothers	52.00 348	P	P	21 01 43.9	-2.3
X42A	Stuttgart	52.00 343	P	P	21 01 45.1	-1.0
TX31	Lajitas Ar. Si	52.13 329	eP	P	21 01 46.1	-1.3
TXAR	Lajitas Arroy	52.13 329	P	P	21 01 46.3	-1.0
TXAR	Lajitas Arroy	52.13 329	eP	LR	21 22 27.3	
TZTN	Tazewell	52.24 352	P	P	21 01 45.8	-2.1
X40A	Basin Creek Fa	52.29 342	P	P	21 01 45.3	-3.0
V46A	Holladay	52.32 347	P	P	21 01 45.4	-3.1
V45A	Humboldt	52.45 346	P	P	21 01 46.1	-3.4
BLA	Blacksburg	52.56 355	P	P	21 01 47.3	-3.0
U49A	Red Boiling Sp	52.56 350	P	P	21 01 47.1	-3.1

MIAR	Mount Ida	52.57 341	P	P	21 01 47.8	-2.6
MIAR	Mount Ida	52.57 341	eP	P	21 01 49.5	-0.9
MIAR	Mount Ida	52.57 341	eP	P	21 01 49.5	-0.9
WVT	Waverly	52.58 347	P	P	21 01 47.2	-3.2
WVT	Waverly	52.58 347	eP	P	21 01 47.7	-2.7
WVT	Waverly	52.58 347	eP	P	21 01 47.7	-2.7
W42A	Bald Knob	52.65 344	P	P	21 01 48.1	-2.9
U48A	Cassie Pea, Po	52.69 349	P	P	21 01 48.3	-2.9
X39A	Fountain Ranch	52.71 341	P	P	21 01 49.9	-1.6
T52A	Halle	52.72 353	P	P	21 01 48.8	-2.6
V44A	Hytheville	52.76 345	P	P	21 01 49.3	-2.4
W41B	Gary Mavity, V	52.76 343	P	P	21 01 49.2	-2.6
W41B	Gary Mavity, V	52.76 343	eP	P	21 01 50.2	-1.6
U47A	Clarksville	52.77 348	P	P	21 01 48.9	-2.9
T50A	Nancy	52.90 351	P	P	21 01 48.9	-3.9
U45A	Rockin P Farm,	52.99 347	P	P	21 01 49.9	-3.5
W40A	Ferguson Farm,	53.02 342	P	P	21 01 52.3	-1.4
W40A	Ferguson Farm,	53.02 342	eP	P	21 01 53.2	-0.4
ABTX	Ablene, Hawle	53.05 334	P	P	21 01 51.3	-2.8
ABTX	Ablene, Hawle	53.05 334	eP	P	21 01 53.6	-0.5
T49A	Edmonton	53.09 350	P	P	21 01 51.8	-2.4
U44B	Burton Farm, H	53.11 346	P	P	21 01 50.8	-3.6
V42A	Cord	53.12 344	P	P	21 01 51.0	-3.4
W39A	Magazine	53.24 341	P	P	21 01 52.2	-3.1
W39A	Magazine	53.24 341	eP	P	21 01 54.9	-0.4
T48A	Bowling Green	53.24 349	P	P	21 01 51.6	-3.8
T47A	Sharon Grove	53.26 348	P	P	21 01 51.5	-3.9
S52A	Salversville	53.30 353	P	P	21 01 52.1	-3.6
V41A	Mountainview	53.31 343	P	P	21 01 52.2	-3.6
S51A	Beattyville	53.32 352	P	P	21 01 52.6	-3.3
U44A	Portazeville	53.35 346	P	P	21 01 53.7	-2.4
U43A	Rector	53.40 345	P	P	21 01 53.6	-2.9
T46A	Princeton	53.47 348	P	P	21 01 54.6	-2.4
V40A	Witts Springs	53.52 343	P	P	21 01 54.8	-2.6
V40A	Witts Springs	53.52 343	eP	P	21 01 56.1	-1.3
U42A	Reviden	53.59 344	P	P	21 01 54.7	-3.2
S48A	Wiedeman Farm,	53.72 350	P	P	21 01 55.8	-3.0
U41A	Viole	53.77 344	P	P	21 01 56.5	-2.7
V39A	Pettigrew	53.79 342	P	P	21 01 58.0	-1.4
T44A	Genon	53.88 346	P	P	21 01 59.3	-0.7
R52A	Catlettsburg	53.89 353	P	P	21 01 59.0	-1.1
R51A	Hillsboro	53.97 352	P	P	21 01 58.5	-2.1
U40A	Yellville	54.04 343	P	P	21 01 58.9	-2.3
S46A	Don Dixon Farm	54.05 348	P	P	21 01 58.0	-3.2
T42A	Van Buren	54.20 345	P	P	21 01 59.9	-2.4
T42A	Van Buren	54.20 345	eP	P	21 02 00.2	-2.1
HHAR	Hobbs	54.29 342	eP	P	21 02 01.9	-1.1
WCI	Wyandotte Cave	54.32 350	P	P	21 01 59.1	-4.1
WCI	Wyandotte Cave	54.32 350	eP	P	21 02 00.3	-2.8
WCI	Wyandotte Cave	54.32 350	eP	P	21 02 00.3	-2.8
T41A	Mountain View	54.38 344	P	P	21 02 00.8	-2.9
S44A	Carbondale	54.39 347	P	P	21 02 00.6	-3.0
SIUC	Southern Illin	54.40 347	eP	P	21 02 00.8	-2.9
R48A	Northridge	54.41 350	P	P	21 01 59.6	-4.3
R47A	Wooly Knot Far	54.42 349	P	P	21 01 59.7	-4.2
S43A	Fulton Ridge,	54.46 346	P	P	21 02 00.3	-3.9
R46A	Gibson Southern	54.52 348	P	P	21 02 00.6	-4.1
TUL1	Leonard	54.54 340	eP	P	21 02 01.8	-3.0
TUL1	Leonard	54.54 340	eP	P	21 02 03.8	-1.0
WMOK	Wichita Mounta	54.56 336	P	P	21 02 01.9	-3.1
WMOK	Wichita Mounta	54.56 336	eP	P	21 02 04.3	-0.7
WMOK	Wichita Mounta	54.56 336	eP	P	21 02 04.3	-0.7
Q50A	Georgetown	54.56 352	P	P	21 02 01.8	-3.1
Q51A	Peebles	54.66 353	P	P	21 02 02.2	-3.4
T40A	Mansfield	54.69 343	P	P	21 02 02.8	-3.1
R45A	Skyfar, Fairfi	54.76 348	P	P	21 02 02.5	-3.8
T39A	Clever	54.81 343	P	P	21 02 03.7	-3.1
S42A	Caledonia	54.82 345	P	P	21 02 04.3	-2.5
Q49A	Aurora	54.85 351	P	P	21 02 04.1	-2.9
R44A	Waltonville	54.88 347	P	P	21 02 03.9	-3.4
S41A	Jilco Farms,	54.89 344	P	P	21 02 04.6	-2.7
Q48A	North Vernon	54.91 350	P	P	21 02 04.5	-2.9
MNTX	Cornudas Mount	54.91 329	P	P	21 02 03.9	-3.7
MNTX	Cornudas Mount	54.91 329	eP	P	21 02 06.6	-1.1
MCWV	Chateau	54.95 356	P	P	21 02 03.9	-3.8
Q47A	Bedord North L	55.03 350	P	P	21 02 05.1	-3.2
PSUB	Penn St. - Bra	55.07 0	eP	P	21 02 07.0	-1.5
T38A	Diamond	55.09 342	P	P	21 02 06.7	-2.1
R43A	Red Bud	55.10 346	P	P	21 02 06.5	-2.3
S40A	Lebanon	55.10 344	P	P	21 02 06.5	-2.4
MVL	Millersville	55.14 359	eP	P	21 02 08.9	-0.2
OLIL	Olney	55.14 348	eP	P	21 02 07.1	-2.0

CCM	Cathedral Cave	55.20 345	P	P	21 02 06.6	-3.0
CCM	Cathedral Cave	55.20 345	eP	P	21 02 08.8	-0.8
CCM	Cathedral Cave	55.20 345	eP	P	21 02 08.8	-0.8
Q46A	CEJHS Indians,	55.28 349	P	P	21 02 07.4	-2.7
P50A	Jamestown	55.29 352	P	P	21 02 07.4	-2.7
R42A	Luebbering	55.31 345	P	P	21 02 07.6	-2.7
Q45A	Warren Harvey,	55.31 348	P	P	21 02 08.3	-2.0
P49A	Miami Univ. Ec	55.34 351	P	P	21 02 07.6	-3.0
P48A	Pilroy	55.38 351	P	P	21 02 07.0	-3.8
S39A	Bolivar	55.42 343	P	P	21 02 07.9	-3.2
S39A	Bolivar	55.42 343	eP	P	21 02 09.4	-1.7
R41A	Rosebud	55.47 345	P	P	21 02 08.3	-3.2
O56A	Blue Knob Stat					

037A	Wolven Farm, M	57.95 343	P	P	21 02 25.1	-4.0
LAZ	Ladron	57.96 329	eP	P	21 02 29.8	+0.3
N40L	Mertquake, Sal	57.97 346	P	P	21 02 27.7	-1.5
TASL	Snake Pit, Alb	58.06 330	P	P	21 02 28.7	-1.5
ANMO	Albuquerque	58.06 330	P	P	21 02 29.4	+0.9
ANMO	comp=Z,2.8nm,0.9s,baz=144,slow=7.6,LR				21 26 04.3	
ANMO	comp=Z,1um,19.2s,baz=130,slow=35,LR					
ANMO	Albuquerque	58.06 330	P	P	21 02 29.1	-1.2
ANMO	Albuquerque	58.06 330	eP	P	21 02 29.9	-0.4
ANMO	Albuquerque	58.06 330j	eP	P	21 02 29.7	+0.5
ANMO	comp=Z,4.0nm,1.2s				21 02 29.1	-1.2
TASM	ASL Pad, Albuq	58.06 330	P	P	21 02 29.1	-1.6
N39A	Derby Farms, D	58.19 345	P	P	21 02 29.1	-1.6
N39A	Derby Farms, D	58.19 345	eP	P	21 02 31.4	+0.7
TUC	Tucson	58.24 325	P	P	21 02 28.8	-2.6
TUC	Tucson	58.24 325	eP	P	21 02 32.1	+0.7
TUC	comp=Z,27nm,1.8s				21 02 32.1	+0.7
TUC	comp=Z,27nm,1.8s					
N38A	Joel South For	58.29 344	P	P	21 02 29.9	-1.6
L44A	Lake County Fo	58.44 349	P	P	21 02 31.7	-0.8
M40A	Post Highland	58.45 346	P	P	21 02 32.8	+0.2
CBKS	Cedar Bluff	58.52 338	P	P	21 02 32.2	-1.0
N37A	Lee Faris, Mou	58.52 343	P	P	21 02 32.1	-1.0
ACCN	Adirondack Com	58.56 2 eP	P	P	21 02 32.5	-0.6
L43A	Garden Prairie	58.60 349	P	P	21 02 30.4	-3.2
L42A	Oliver, Polo	58.61 348	P	P	21 02 31.1	-2.6
M39A	Webster	58.67 345	P	P	21 02 32.6	-1.5
N36A	Muff Farm, Cla	58.79 343	P	P	21 02 33.1	-1.8
L41A	Preston	58.85 347	P	P	21 02 32.8	-2.6
M38A	Pleasantville	58.87 345	P	P	21 02 33.5	-2.0
T25A	Trinidad	58.94 333	P	P	21 02 34.0	-2.3
T25A	Trinidad	58.94 333	eP	P	21 02 36.0	-0.3
L40A	Anamosa	59.00 346	P	P	21 02 34.4	-2.0
K43A	Burlington	59.03 349	P	P	21 02 32.8	-3.7
M37A	Trindle Farm,	59.08 344	P	P	21 02 34.5	-2.5
NCB	Newcomb	59.12 1 eP	P	P	21 02 36.0	-1.2
214A	Organ Pipe Nat	59.12 323	P	P	21 02 34.9	-2.6
L39A	Vinton	59.24 346	P	P	21 02 35.9	-2.1
K42A	Prairie Point,	59.29 348	P	P	21 02 35.2	-3.2
K41A	Shullsburg	59.32 347	P	P	21 02 35.8	-2.8
SCIA	State Center	59.34 345	P	P	21 02 36.6	-2.1
LBNH	Lisbon	59.47 3 P	P	P	21 02 37.4	-2.2
L38A	Oak Wood Farm,	59.49 345	P	P	21 02 35.6	-4.2
K40A	Colesburg	59.59 347	P	P	21 02 34.4	-6.0
JFWS	Jewell Farm	59.60 348	P	P	21 02 34.0	-6.6
L37A	Phoenix Point,	59.68 344	P	P	21 02 35.6	-5.4
DELO	Deloro Mine	59.68 358	P	P	21 02 38.2	-2.8
J43A	Natural Harves	59.70 349	P	P	21 02 36.0	-5.2
LONY	Lake Ozonia	59.76 1 P	P	P	21 02 37.4	-4.2
LONY	Lake Ozonia	59.76 1 eP	P	P	21 02 40.3	-1.4
K39A	Alwein	59.77 346	P	P	21 02 37.8	-3.8
J42A	Columbus	59.77 349	P	P	21 02 37.4	-4.3
KSCO	Kaye Sheddock'	59.78 336	P	P	21 02 37.5	-4.5
W18A	Petrified Fore	59.83 328	P	P	21 02 37.0	-5.5
W18A	Petrified Fore	59.83 328	eP	P	21 02 43.5	+1.0
L36A	Harm Buss Farm	59.90 344	P	P	21 02 37.7	-4.9
SDCO	Great Sand Dun	59.92 333	P	P	21 02 38.1	-5.0
SDCO	Great Sand Dun	59.92 333	eP	P	21 02 42.5	-0.7
K38A	Parkersburg	59.92 345	P	P	21 02 35.6	-7.1
J41A	Loganville	59.99 348	P	P	21 02 38.9	-4.3
SADO	Sadowa	60.00 357 P	P	P	21 02 40.9	-2.3
SADO	comp=Z,6.0nm,0.6s,baz=188,slow=7.9,SNR=7.0				21 02 41.0	-2.1
I43A	Langenfeld Bro	60.14 350	P	P	21 02 39.9	-4.3
J40A	Soldiers Grove	60.17 347	P	P	21 02 42.0	-2.5
X16A	Lo Mia Camp, P	60.19 326	eP	P	21 02 45.7	+0.7
PLVO	Plevna	60.19 359	P	P	21 02 42.8	-1.7
PLVO	Plevna	60.19 359	eP	P	21 02 43.2	-1.3
BANO	Bancroft	60.20 358	P	P	21 02 42.7	-1.9
K37A	Belmond	60.25 345	P	P	21 02 40.4	-4.6
I42A	Draeger Farm,	60.28 349	P	P	21 02 41.9	-3.3
BGNE	Belgrade	60.30 341	P	P	21 02 41.0	-4.4
J39A	Delcorah	60.32 346	P	P	21 02 40.6	-4.9
K36A	Gilmore City	60.34 344	P	P	21 02 40.6	-5.0
J38A	Wedel Dairy, R	60.48 346	P	P	21 02 41.4	-5.2
S22A	4UR Ranch, Cre	60.52 332	P	P	21 02 42.3	-5.0
S22A	4UR Ranch, Cre	60.52 332	eP	P	21 02 47.0	-0.2
I40A	Norwalk	60.62 348	P	P	21 02 41.8	-5.7
I41A	Arkdale	60.63 348	P	P	21 02 40.4	-7.1
H43A	Windswept, Lux	60.64 350	P	P	21 02 41.3	-6.3
KLBO	Killbear Provi	60.64 356	P	P	21 02 44.2	-3.4
PKME	Peaks-Kenny Pk	60.67 5 P	P	P	21 02 41.0	-6.8
PKME	Peaks-Kenny Pk	60.67 5 eP	P	P	21 02 46.8	-0.9
BUKO	Black Lake	60.68 357	P	P	21 02 45.5	-2.3
Y14A	Wickenburg	60.69 325	eP	P	21 02 48.7	+0.5
J37A	Redenius Farm,	60.74 345	P	P	21 02 43.4	-4.9
ALFO	Alfred	60.77 1 P	P	P	21 02 47.0	-1.4
I39A	Houston	60.78 347	P	P	21 02 44.3	-4.3
I39A	Houston	60.78 347	eP	P	21 02 47.4	-1.2

Q24A	Divide	60.78 334	P	P	21 02 44.3	-4.8
H42A	Shiocton	60.81 349	P	P	21 02 44.2	-4.6
MVCO	Mesa Verde	60.86 330	P	P	21 02 45.4	-4.1
MVCO	Mesa Verde	60.86 330	eP	P	21 02 48.5	-1.0
WUAZ	Wupatki	60.99 327	P	P	21 02 46.9	-3.5
WUAZ	Wupatki	60.99 327	eP	P	21 02 51.0	+0.6
GLA	Goyale	61.09 323	P	P	21 02 48.4	-2.6
H41A	Junction City	61.12 349	P	P	21 02 49.4	-1.4
I38A	Scanlon Farm,	61.13 346	P	P	21 02 47.5	-3.4
OGNE	Ogallala	61.23 337	P	P	21 02 48.5	-3.3
H40A	Chill	61.27 348	P	P	21 02 49.3	-2.6
I37A	Lemond, Waseca	61.36 345	P	P	21 02 49.1	-3.4
TRQ	Mont Tremblant	61.37 1 eP	P	P	21 02 51.3	-1.3
G43A	Wallace	61.39 350	P	P	21 02 49.5	-3.1
Y12C	Blythe	61.41 323	P	P	21 02 50.3	-2.8
F46A	Macinn City C	61.48 353	P	P	21 02 50.4	-2.9
F45A	CMU Biological	61.49 352	P	P	21 02 50.7	-2.6
G42A	Mountain	61.50 350	P	P	21 02 51.7	-1.7
PDMCI	Parker Dam,Lak	61.60 324	P	P	21 02 52.7	-1.6
G41A	Antigo	61.61 349	P	P	21 02 53.1	-1.1
ISCO	Idaho Springs	61.68 334	P	P	21 02 51.9	-3.2
H38A	Maiden Rock	61.73 347	P	P	21 02 52.7	-2.3
SMCO	Snowmass	61.75 333	eP	P	21 02 56.6	+0.8
PV02	Paradox Valley	61.77 331	eP	P	21 02 54.8	-0.9
H37A	Dierke Farm, C	61.78 346	P	P	21 02 55.1	-0.2
G40A	Rib Lake	61.85 348	P	P	21 02 54.6	-1.3
F43A	Flat Rock, Esc	61.87 351	P	P	21 02 54.5	-1.4
BC3	Big Chuckawall	61.89 323	P	P	21 02 54.4	-2.0
F44A	Big Bay de Noc	61.90 351	P	P	21 02 54.5	-1.6
ECSD	EROS Data Cent	61.95 343	P	P	21 02 53.9	-2.6
ECSD	EROS Data Cent	61.95 343	eP	P	21 02 55.0	-1.5
H36A	Jessenland, He	62.02 345	P	P	21 02 55.2	-1.8
IRM	Iron Mountain	62.06 323	P	P	21 02 56.7	-0.9
G39A	Holcombe	62.07 348	P	P	21 02 55.7	-1.6
G38A	Ridgeland	62.10 347	P	P	21 02 55.5	-1.9
F41A	Three Lakes	62.10 349	eP	P	21 02 55.7	-1.8
F41A	Three Lakes	62.10 349	eP	P	21 02 57.3	-0.2
U15A	North Rim	62.16 327	eP	P	21 02 58.7	+0.2
PQI	Presque Isle	62.18 6 eP	P	P	21 02 57.4	-0.5
NEE2	Needles Array	62.20 324	P	P	21 02 55.6	-2.8
109C	Camp Elliot, M	62.34 321	P	P	21 02 56.9	-2.4
H35A	Sunnyside Ranc	62.36 345	P	P	21 02 55.5	-3.7
E43A	Lone Tree Farm	62.38 351	P	P	21 02 57.5	-1.8
XPFO	Piacon Flat	62.45 322	eP	P	21 03 01.1	+0.9
PFO	Pinyon Flats 0	62.45 322	P	P	21 02 57.2	-3.0
PFO	Pinyon Flats 0	62.45 322	eP	P	21 03 01.2	+1.0
PFO	Pinyon Flats 0	62.45 322	eP	P	21 03 01.2	+1.0
BELO	Belle Minn. Jos	62.45 323	P	P	21 02 57.8	-2.4
FRD	Ford Ranch, An	62.45 322	P	P	21 02 57.5	-2.7
E44A	Grand Marais A	62.46 352	P	P	21 02 56.1	-3.7
F40A	Park Falls	62.47 349	P	P	21 02 58.1	-1.8
E42A	Champion	62.57 350	P	P	21 02 58.1	-2.5
G36A	St. Michael	62.60 346	P	P	21 02 58.0	-2.8
BELO	Belleterre	62.60 358	P	P	21 02 58.8	-2.0
F39A	Loretta	62.62 348	P	P	21 02 59.0	-1.9
E41A	Kenton	62.78 350	P	P	21 02 58.6	-3.4
F37A	Hinrichs Farm,	62.80 347	P	P	21 03 00.4	-1.7
GMRC	Granite Mounta	62.81 323	P	P	21 02 59.9	-2.7
F38A	Pierce - Schro	62.86 347	P	P	21 03 00.6	-1.9
MURC	Murrieta	62.88 321	P	P	21 02 58.7	-4.3
H32A	Carlson Farm,	62.89 343	P	P	21 03 00.2	-2.6
E40A	Wakefield	62.93 349	P	P	21 03 01.7	-1.3
E39A	Mellen	62.99 348	P	P	21 03 02.0	-1.4
G34A	Lorita	63.08 344	P	P	21 03 02.6	-1.4
O20A	White River Ci	63.10 332	P	P	21 03 00.2	-4.3
LCMT	Little Creek M	63.10 327	eP	P	21 03 05.2	+0.7
F36A	Milaca	63.13 346	P	P	21 03 00.1	-4.3
F36A	Milaca	63.13 346	eP	P	21 03 02.8	-1.6
HEC	Hector,Ludlow	63.23 323	P	P	21 03 01.0	-4.3
G33A	Ortonville	63.25 344	P	P	21 03 01.7	-3.4
D41A	Chassel	63.29 350	P	P	21 03 03.8	-1.6
TAOE	Nuku Hiva Isla	63.31 268	eS	S	21 11 44.8	+7.3
TAOE	Nuku Hiva Isla	63.31 268	eLR	LR	21 21 59.0	
SRU	San Rafael Swe	63.34 330	eP	P	21 03 06.8	+0.7
SRU	San Rafael Swe	63.34 330	eP	P	21 03 06.8	+0.7
F35A	Swanville	63.38 345	P	P	21 03 02.9	-3.1
F34A	Alexandria	63.49 345	P	P	21 03 04.2	-2.6
CCUT	Cedar City	63.57 327	eP	P	21 03 08.0	+0.2
G32A	Webster	63.60 343	P	P	21 03 03.5	-4.0
BFSC	Mount Baldy Ra	63.60 322	P	P	21 03 06.9	-1.0
P18A	Preston Nutter	63.61 331	eP	P	21 03 07.3	-0.7
E36A	McGregor	63.69 346	P	P	21 03 04.6	-3.4
MSU	Marysville	63.69 329	eP	P	21 03 09.0	+0.5
MSU	Marysville	63.69 329	eP	P	21 03 09.0	+0.5
P17A	Butcher Ranch,	63.73 330	eP	P	21 03 07.5	-1.2

SHPR	Sheep Range	63.77 325	eP	P	21 03 09.6	+0.6
GSC	Goldstone, Bar	63.84 323	P	P	21 03 06.4	-2.9
E35A	Pequot Lakes	63.99 346	P	P	21 03 08.0	-2.0
SNCC	San Nicolas Is	64.07 320	P	P	21 03 07.7	-3.2
D37A	Cotton	64.12 347	P	P	21 03 07.4	-3.4
E34A	Wadena	64.14 345	P	P	21 03 08.1	-2.9
C40A	Isle Royale Na	64.22 350				

11d 20h

2012 JUL

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like TBI Tubuai, ROSA Rosais, SNAE Sanae, etc.

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like ALMR Almeirim, ALMR Beja, PBEV Evara, etc.

Table with columns: Station Name, Frequency, Power, Band, and other technical details. Includes stations like KIS Kishinev, KIS Kishinev, ANN Anapa, etc.

Table with columns: KMI, Kunming, 170.22, 9, PKP, PKPdf, 21 12 43.5 -2.0, etc.

NNC 11 21:05:51.9:1.7, 37:13N:70:46E, h0km, mb3.7, mpv3.3, 2C-2D, Error ellipse: s-maj=13.2km s-min=10.8km

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

BUC 11 21:06:45.0:0.3, 45:53N:27:04E, h17km, MD2.6/3, 16C-18D, Error ellipse: s-maj=3.1km s-min=2.2km

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

IDC 11 21:12:09.6:3.2, 32:28S:179:83E, h380km, 29km, mb3.3/6, s-maj=3.7, mb1mx3.2/45, mbtmp4.1/7, Error ellipse:

WEL 11 21:12:15.8:0.8, 32:53S:18:06E, h309km, 14km, ISC 11 21:12:10.8:0.7, 32:32S:0:07-17:93E, 0:1, h400km, n37, s-maj=192/47, mb3.7/6, South of Kermadec Islands

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

Table with columns: CTA, Charters Tower, 32.44, 284, P, P, 21 18 06.1 +0.3, etc.

IDC 11 21:41:47.4:0.5, 15:31S:75:44W, h0km, mb4.4/21, mb1 4.5/23, mb1mx4.5/38, mbtmp4.4/23, ML3.9/2, MS4.3/31, Ms1 4.3/31, ms1mx4.2/47, Error ellipse: s-maj=20.0km

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

ISC 11 21:41:52.0:0.3, 15:29S:0:05:75:30W, 0:07, h26km, n220, c1949/202, mb4.9/113, MS4.4/32, 1C, Near coast of Peru

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

Table with columns: W50A, Signal Mountai, 51.10, 349, eP, P, 21 50 51.2 -1.3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRHZ Kereru, PXZ Pawanui, WHVZ Whangaehu Hut, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAN 11 23:03:51.6, 9.90N, 123.19E, h16km, mb4.3, ML3.1, MS2.9, 1C, Negros.

HEL 11 23:20:08.7, 67.82N, 20.17E, h0km, ML 1.6, Explosion CSEM 11 23:20:08.6, 0.2, 67.81N, 20.21E, h2km, ML 1.8, Error ellipse: s-maj=4.0km s-min=3.9km az=12.0, Mining explosion.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KIF comp=Z, 7.7nm, 0.2s, KIF Kilpisjarvi, KIF Kilpisjarvi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CSEM 11 23:20:54.4, 67.86N, 20.20E, h0km, ML 1.8, Mining explosion. UPP 11 23:20:54.0, 1.0, 67.86N, 20.20E, h0km, ML 1.8, Sweden.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 11 23:34:13.6, 1.8, 17.16S, 101.65E, h0km, mb3.5/6, mb1 3.7/7, mb1mx3.5/63, mbtmp3.6/7, ML4.2/1, Error ellipse: s-maj=58.1km s-min=19.2km az=43.0, ISCJB 11 23:34:16.4, 1.2, 7.15S, 0.2, 101.72E, 0.10, h3km, mb3.7/6, Error ellipse: s-maj=29.2km s-min=1.1km az=18.8, ISC 11 23:34:18.6, 1.6, 7.25S, 0.3, 101.7E, 0.1, h35km, n8, c1f06/9, mb3.6/6, Southwest of Sumatra.

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

ISCJB 12 00:07:43.2, 0.8, 15.32S, 0.09, 75.75W, 0.08, h35km, mb3.9/5, Error ellipse: s-maj=14.3km s-min=9.2km

IDC 12 00:07:45.7, 3.5, 15.31S, 75.66W, h37km, 31km, mb3.7/6, mb1 3.9/9, mb1mx3.6/41, mbtmp3.9/9, ML3.6/3, MS2.8/3, Ms1 2.9/3, ms1mx2.7/68, Error ellipse: s-maj=28.6km s-min=20.5km az=66.0, ISC 12 00:07:45.1, 0.9, 15.32S, 0.1, 75.8W, 0.1, h35km, n18, c1f00/12, mb4.1/5, Near coast of Peru

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

IDC 12 00:09:21.0, 0.4, 17.19N, 121.04E, h0km, mb4.2/33, mb1 4.3/33, mb1mx4.2/64, mbtmp4.2/33, MS3.3/18, Ms1 3.4/18, ms1mx3.2/62, Error ellipse: s-maj=17.4km s-min=9.5km az=77.0, ISCJB 12 00:09:24.8, 0.5, 17.29N, 0.02, 120.93E, 0.03, h27km, 4km, mb4.4/55, MS3.5/17, Error ellipse: s-maj=5.0km s-min=3.6km az=7.0, MAN 12 00:09:24.4, 17.39N, 120.76E, h14km, mb5.1, ML4.0, MS4.1, BUJ 12 00:09:27.9, 17.23N, 120.97E, h56km, mb4.4/39, mb4.7/23, Ms4.0/24, Ms7.3/7/21, NEIC 12 00:09:28.2, 0.6, 17.23N, 121.05E, h51km, 5km, mb4.6/22, Error ellipse: s-maj=7.5km s-min=4.8km az=62.0, NEIC Feil IV PHSJ at Balaban, Bojoc, Buoloc, Lagangilang, Lagawe and San Juan, III (MS) at Baguio City and Candon. Also felt at Santa Lucia, ISC 12 00:09:26.5, 0.9, 17.34N, 0.03, 120.93E, 0.03, h28km, 6km, n149, c2f15/171, mb4.5/54, MS3.4/17, 11C-1D, Luzon

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TGy 126nm, 0.3s, baz=312, slow=7.7, SNR=4.3, TGy 126nm, 0.3s, baz=312, slow=7.7, SNR=4.3, TGy 126nm, 0.3s, baz=312, slow=7.7, SNR=4.3, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

454A	Quitman	17.18	22	P	Pn	01 46 51.5 +2.0
241A	Mo Tay, Gordon	17.19	354	P	Pn	01 46 50.7 +1.1
241A	No Tay, Gordon	17.19	354	eP	Pn	01 46 50.7 +1.1
247A	Quitman	17.27	7	P	Pn	01 46 52.0 +1.5
VBMS	Vicksburg	17.30	1	P	Pn	01 46 51.9 +0.9
VBMS	Vicksburg	17.30	1	eP	Pn	01 46 52.1 +1.2
240A	Hunter Patters	17.30	352	P	Pn	01 46 51.2 +0.3
240A	baz=171,SNR=44			ScP	ScP	01 54 38.2 +1.0
240A	Hunter Patters	17.30	352	eP	Pn	01 46 51.4 +0.4
557A	Orange Park	17.32	28	P	Pn	01 46 51.6 +0.1
249A	Camden	17.42	11	P	Pn	01 46 53.6 +1.4
249A	baz=192,SNR=146			ScP	ScP	01 54 37.2 -0.2
248A	Dixon Mills	17.43	9	P	Pn	01 46 53.6 +1.2
248A	baz=191,SNR=77			ScP	ScP	01 54 37.6 +0.2
455A	Stateville	17.43	23	P	Pn	01 46 53.3 +0.9
352A	Blakely	17.47	17	P	Pn	01 46 54.2 +1.4
352A	baz=206,SNR=101			ScP	ScP	01 54 37.7 +0.2
352A	Blakely	17.47	17	eP	Pn	01 46 54.3 +1.4
JCT	Junction City	17.55	334	P	Pn	01 46 53.3 -0.5
JCT	baz=151,SNR=10			ScP	ScP	01 54 38.9 +1.2
JCT	Junction City	17.55	334	eP	Pn	01 46 53.8 -0.1
JCT	Junction City	17.55	334	eP	Pn	01 46 53.8 -0.1
353A	Camilla	17.56	20	P	Pn	01 46 55.1 +1.1
353A	baz=202,SNR=184			ScP	ScP	01 54 37.4 -0.3
250A	Grady	17.59	13	P	Pn	01 46 54.9 +0.6
250A	baz=195,SNR=70			ScP	ScP	01 54 37.6 -0.2
250A	Grady	17.59	13	eP	Pn	01 46 55.0 +0.7
142A	Monroe	17.65	357	P	Pn	01 46 55.6 +0.6
142A	baz=177,SNR=8.2			ScP	ScP	01 54 39.9 +2.0
145A	Houston Renfro	17.71	3	P	Pn	01 46 56.3 +0.6
144A	Alexander Plac	17.72	2	P	Pn	01 46 56.2 +0.4
141A	Papa Simpson	17.77	355	P	Pn	01 46 57.0 +0.6
143A	Socs Landing	17.79	359	P	Pn	01 46 56.4 -0.1
143A	baz=178,SNR=11			ScP	ScP	01 54 39.0 +0.9
143A	Socs Landing	17.79	359	eP	Pn	01 46 56.6 +0.0
146A	Union	17.80	5	P	Pn	01 46 57.3 +0.6
146A	baz=186,SNR=17			ScP	ScP	01 46 57.4 +0.6
CODC	Agust n Codaz	17.82	104	eP	P	01 46 54.0 -1.0
456A	Hilliard	17.82	26	eP	Pn	01 46 57.0 -0.1
456A	baz=209,SNR=14			ScP	ScP	01 46 57.8 +0.8
TIGA	Tifton	17.86	21	P	Pn	01 46 58.2 +0.8
TIGA	baz=204,SNR=356			ScP	ScP	01 54 38.3 0.0
TIGA	Tifton	17.86	21	eP	Pn	01 46 58.3 +0.8
140A	Cam and Jess	17.87	353	P	Pn	01 46 57.8 +0.2
140A	Cam and Jess	17.87	353	eP	Pn	01 46 57.9 +0.3
251A	Midway	17.91	16	P	Pn	01 46 58.7 +0.6
251A	baz=198,SNR=136			ScP	ScP	01 54 38.7 +0.3
147A	Livingston	17.92	7	P	Pn	01 46 59.0 +0.8
147A	Livingston	17.92	7	eP	Pn	01 46 59.0 +0.8
457A	Yulee	17.94	27	P	Pn	01 46 58.2 -0.2
LGNH	L Oogne	17.98	76	eP	Pn	01 46 59.5 +0.4
148A	Greensboro	18.00	9	P	Pn	01 46 59.8 +0.7
252A	Lumpkin	18.01	17	P	Pn	01 46 59.8 +0.6
355A	Pearson	18.04	23	P	Pn	01 46 59.2 -0.3
WHTX	Lake Whitney	18.06	342	P	P	01 46 58.6 +1.0
WHTX	Lake Whitney	18.06	342	eP	P	01 46 58.6 +1.0
GUYC	Guyana, Colomb	18.08	120	eP	Pn	01 47 00.0 -0.7
149A	Jones	18.09	11	P	Pn	01 47 00.8 +0.7
149A	baz=193,SNR=255			ScP	ScP	01 54 38.5 -0.3
HORO	Salado	18.11	127	eP	P	01 47 00.0 -0.9
PTBC	PUERTO BERRIO	18.21	115	eP	P	01 46 58.7 -0.7
HPIG	Salado	18.22	314	eP	Pn	01 47 00.8 -1.2
253A	Americus	18.25	19	P	Pn	01 47 02.0 0.0
253A	baz=201,SNR=106			ScP	ScP	01 54 38.6 -0.5
253A	Americus	18.25	19	eP	Pn	01 47 02.0 0.0
150A	Eclectic	18.25	13	P	Pn	01 47 02.9 +0.8
150A	baz=195,SNR=621			ScP	ScP	01 54 38.9 -0.2
243A	Armstrong Fami	18.29	359	P	Pn	01 47 01.9 -0.6
356A	Blackshear	18.30	25	P	Pn	01 47 02.5 -0.2
356A	baz=208,SNR=96			ScP	ScP	01 54 39.0 -0.2
151A	Opelika	18.35	15	P	Pn	01 47 03.8 +0.6
151A	baz=197,SNR=922			ScP	ScP	01 54 39.1 -0.3
244A	Pea Ridge, Bel	18.36	1	P	Pn	01 47 03.0 -0.3
244A	baz=182,SNR=14			ScP	ScP	01 54 40.2 +0.9
246A	Louisville	18.36	5	P	Pn	01 47 03.6 +0.2
242A	Norrel Spur, H	18.37	357	P	Pn	01 47 02.8 -0.6
241A	Richland Creek	18.41	355	P	Pn	01 47 03.3 -0.6
241A	Richland Creek	18.41	355	eP	Pn	01 47 03.2 -0.6
254A	Abbeyville	18.42	21	P	Pn	01 47 03.8 -0.3
254A	baz=204,SNR=290			ScP	ScP	01 54 39.2 -0.3
240A	Long Farm, Mag	18.46	354	P	Pn	01 47 04.4 -0.1
247A	Carrollton	18.47	8	P	Pn	01 47 04.6 0.0
247A	baz=189,SNR=184			ScP	ScP	01 54 39.0 -0.6
LRAL	Lakeview Retre	18.47	11	P	Pn	01 47 04.9 +0.2
LRAL	baz=192,SNR=193			ScP	ScP	01 54 39.4 -0.3
LRAL	Lakeview Retre	18.47	11	eP	Pn	01 47 04.8 +0.2

245A	Winona	18.48	3	P	Pn	01 47 04.4 -0.4
Z45A	Winona	18.48	3	eP	ScP	01 54 39.8 +0.1
Z45A	Winona	18.48	3	eP	ScP	01 47 04.4 -0.4
OCAC	Ocana	18.51	109	eP	P	01 47 02.6 -0.1
LTX	Lajitas Ar. Si	18.58	323	eP	Pn	01 47 05.0 -1.1
LTX	Lajitas	18.58	323	eP	Pn	01 47 06.0 0.0
TXAR	Lajitas Array	18.58	323	eP	Pn	01 47 06.0 0.0
TXAR	comp=Z,4.7nm,0.3s,ba	18.58	323	eP	Pn	01 51 24.5 +1.0
TXAR	comp=Z,0.2nm,0.3s,ba	18.58	323	eP	Pn	01 54 41.9 +1.8
TXAR	comp=Z,0.3nm,0.3s,ba	18.58	323	eP	Pn	01 47 06.0 0.0
TXAR	Lajitas Ar. Si	18.58	323	eP	Pn	01 47 05.0 -1.1
BRRC	Barranca, Sant	18.61	113	eP	P	01 47 04.7 +0.9
152A	Waverly Hall	18.64	17	P	Pn	01 47 06.7 +0.1
152A	baz=199,SNR=162			ScP	ScP	01 54 39.8 -0.2
152A	Waverly Hall	18.64	17	eP	Pn	01 47 06.7 +0.1
357A	Townsend	18.66	26	P	Pn	01 47 06.1 -0.7
POPC	Popo, Colom	18.68	130	eP	Pn	01 47 06.0 +1.3
255A	Hazlehurst	18.70	23	P	Pn	01 47 06.5 -0.8
255A	Hazlehurst	18.70	23	eP	Pn	01 47 06.5 -0.8
Z48A	Northport	18.71	9	P	Pn	01 47 07.1 -0.4
Z48A	baz=190,SNR=154			ScP	ScP	01 54 40.1 -0.1
Z49A	Columbiana	18.71	12	P	Pn	01 47 07.6 +0.1
Z49A	baz=193,SNR=241			ScP	ScP	01 54 40.2 +0.1
153A	Fort Valley	18.89	19	P	Pn	01 47 08.9 -0.6
Z50A	Ashland	18.90	13	P	Pn	01 47 09.3 -0.4
Z50A	baz=195,SNR=302			ScP	ScP	01 54 40.6 0.0
Z50A	Ashland	18.90	13	eP	Pn	01 47 09.3 -0.4
Y42A	Garnett, Star	18.93	358	P	Pn	01 47 08.5 -1.4
Y42A	baz=178,SNR=14			ScP	ScP	01 54 40.3 -0.2
256A	Glennville	18.98	24	P	Pn	01 47 09.7 -0.9
256A	baz=208,SNR=75			ScP	ScP	01 54 40.4 -0.3
Y45A	Yeager Farm, C	18.99	4	P	Pn	01 47 09.8 -0.8
Y45A	baz=184,SNR=86			ScP	ScP	01 54 41.3 +0.6
Y43A	Makayia and Ka	18.99	0	P	Pn	01 47 09.1 +1.5
CCAR	Cane Creek	19.00	358	eP	Pn	01 47 09.8 -1.1
Y41A	Eaglette Beard	19.01	356	P	Pn	01 47 09.6 -1.4
PCON	Cinco Dias	19.03	129	eP	Pn	01 47 11.3 -0.7
MARP	Paez Bealcaza	19.03	127	eP	Pn	01 47 11.3 -0.4
Y44A	Strider, Charl	19.05	2	P	Pn	01 47 09.9 -1.5
Y44A	baz=182,SNR=28			ScP	ScP	01 54 41.3 +0.5
Y46A	Houston	19.05	5	P	Pn	01 47 10.1 -1.4
Y46A	baz=186,SNR=141			ScP	ScP	01 54 40.6 -0.3
OTAV	Otavalo	19.09	138	eP	Pn	01 47 12.0 -0.6
OTAV	comp=Z,42nm,0.9s	19.09	138	eP	Pn	01 47 12.0 -0.6
OTAV	Otavalo	19.09	138	eP	Pn	01 47 11.0 -0.9
154A	Montrose	19.09	21	P	Pn	01 47 11.1 -0.9
154A	Montrose	19.09	21	eP	Pn	01 47 11.1 -0.9
GCUP	Volcan Galeras	19.10	134	eP	Pn	01 47 12.0 -0.8
Z51A	Franklin	19.14	15	P	Pn	01 47 11.7 -0.8
Z51A	baz=197,SNR=257			ScP	ScP	01 54 40.6 -0.5
CRUC	La Cruz	19.14	132	eP	P	01 47 10.6 +0.9
ROSC	El Rosal	19.18	120	eP	Pn	01 47 12.1 -1.6
ROSC	comp=Z,2.6nm,0.3s,ba	19.18	120	eP	Pn	01 47 12.2 -1.4
ROSC	El Rosal	19.18	120	eP	Pn	01 47 09.3 -1.0
Y47A	UCPARC, Winif	19.19	8	P	Pn	01 47 11.9 -1.2
Y47A	baz=189,SNR=100			ScP	ScP	01 54 40.5 -0.7
Y40A	Okona	19.20	354	P	Pn	01 47 11.6 -1.6
Y40A	baz=173,SNR=122			ScP	ScP	01 54 42.0 +0.8
Z52A	Williamson	19.22	17	P	Pn	01 47 12.7 -0.7
Z52A	baz=195,SNR=194			ScP	ScP	01 54 40.7 -0.6
Y48A	Jasper	19.30	10	P	Pn	01 47 13.2 -1.2
Y48A	baz=191,SNR=62			ScP	ScP	01 54 41.1 -0.3
BARC	Barichara	19.31	113	eP	P	01 47 11.3 -0.2
155A	Kite	19.33	22	P	Pn	01 47 13.5 -1.3
155A	baz=205,SNR=166			ScP	ScP	01 54 40.8 -0.8
257A	Skidaway Islan	19.33	26	P	Pn	01 47 13.3 -1.5
257A	Skidaway Islan	19.33	26	eP	Pn	01 47 13.8 -1.0
PRAC	Prado	19.34	123	eP	P	01 47 12.4 +0.8
ABTX	Ablene, Hawle	19.38	338	P	P	01 47 12.3 +0.5
ABTX	baz=154,SNR=62			ScP	ScP	01 54 42.0 +0.3
ABTX	Ablene, Hawle	19.38	338	eP	P	01 47 12.3 +0.5
Y49A	Blount Mountai	19.38	12	P	Pn	01 47 14.4 -1.0
Y49A	baz=193,SNR=258			ScP	ScP	01 54 41.5 -0.2
Y49A	Blount Mountai	19.38	12	eP	Pn	01 47 14.4 -1.0
PAMC	Pamplona, Colo	19.43	111	eP	P	01 47 13.3 +0.3
GETC	Selena	19.45	127	eP	Pn	01 47 15.9 +1.5
X45A	UM Field Stati	19.55	4	P	Pn	01 47 14.7 +1.1
X45A	baz=184,SNR=50			ScP	ScP	01 54 41.6 -0.4
Y50A	Pleasant	19.55	13	P	Pn	01 47 15.9 -1.6
Y50A	baz=195,SNR=162			ScP	ScP	01 54 41.4 -0.6
Z53A	Monticello	19.55	19	P	Pn	01 47 15.8 -1.7
Z53A	baz=202,SNR=327			ScP	ScP	01 54 41.5 -0.5
X44A	Crenshaw	19.59	2	P	P	01 47 14.9 +0.8
X44A	baz=182,SNR=16			ScP	ScP	01 54 42.1 0.0
X43A	Marvel	19.59	0	P	P	01 47 15.3 +1.3
X43A	baz=180,SNR=16			ScP	ScP	01 47 15.6 +1.3
X40A	Basin Creek Fa	19.63	355	eP	P	01 47 15.5 +1.1
X40A	Basin Creek Fa	19.63	355	eP	P	01 47 15.6 +1.1
X42A	Stuttgar	19.64	358	P	P	01 47 15.9 +1.3
X42A	baz=178,SNR=13	</				

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P38A	comp=Z,125nm,0.7s bazz=174,SNR=45	24.79	355	P	P	01 48 04.4	-0.1
P38A	bazz=174			ScP	ScP	01 54 54.4	-1.0
P38A	Dawn	24.79	355	eP	P	01 48 04.6	0.0
P37A	comp=Z,89nm,0.9s bazz=172,SNR=41	24.83	354	P	P	01 48 05.0	0.0
P47A	Martinsville	24.90	9	P	P	01 48 06.1	+0.5
P46A	Rosedale	24.90	7	P	P	01 48 06.4	+0.8
P46A	bazz=188,SNR=17			ScP	ScP	01 54 55.0	-0.7
P48A	Milroy	25.01	10	P	P	01 48 06.9	+0.3
Q51A	Peebles	25.01	14	P	P	01 48 08.0	+1.3
Q51A	bazz=196,SNR=137			ScP	ScP	01 54 55.9	-0.2
TUC	bazz=198			P	P	01 48 08.9	+1.7
TUC	Tucson	25.05	317	P	P	01 54 56.6	+0.2
TUC	bazz=130			ScP	ScP	01 48 09.5	+2.3
TUC	Tucson	25.05	317	eP	P	01 48 09.5	+2.3
CBKS	comp=Z,30nm,0.9s Cedar Bluff	25.09	344	P	P	01 48 07.3	-0.1
CBKS	bazz=160,SNR=10.0			ScP	ScP	01 54 56.6	+0.3
CBKS	bazz=160			P	P	01 48 07.8	+0.4
CBKS	Cedar Bluff	25.09	344	eP	P	01 48 07.8	+0.4
CBKS	comp=Z,58nm,1.1s			pmax	pmax		
ATAH	comp=Z,58nm,1.1s Athahualpa	25.16	149	PcP	PcP	01 51 39.7	+2.5
ATAH	comp=Z,14nm,0.8s,bazz=335,slow=3.7,SNR=4.6			ScP	ScP	01 55 00.8	+3.5
O41A	Passley Farm	25.38	0	P	P	01 48 07.7	-0.4
STVI	Saint Thomas	25.19	78	eP	P	01 48 08.3	-0.1
O40A	La Belle	25.20	358	P	P	01 48 08.3	0.0
O40A	bazz=178,SNR=25			ScP	ScP	01 54 56.0	-0.5
P49A	Miami Univ. Ec	25.21	11	P	P	01 48 08.5	+0.1
T25A	Trinidad	25.21	334	P	P	01 48 10.0	+1.3
T25A	bazz=149			ScP	ScP	01 54 57.8	+0.8
T25A	Trinidad	25.21	334	eP	P	01 48 10.4	+1.7
O42A	Bath	25.27	2	P	P	01 48 08.7	-0.2
O38A	Galt	25.28	356	P	P	01 48 08.9	-0.1
O44A	Mansfield	25.31	5	P	P	01 48 09.5	+0.2
O44A	bazz=186,SNR=22			ScP	ScP	01 54 56.5	-0.4
O39A	Kirkville	25.35	357	P	P	01 48 09.5	-0.2
O37A	Wolven Farm, M	25.38	354	P	P	01 48 09.9	0.0
O43A	Sugar Creek Fa	25.39	3	P	P	01 48 10.1	+0.1
P50A	Jamestown	25.47	13	P	P	01 48 11.3	+0.6
O56A	Potomac	25.47	6	P	P	01 48 11.2	+0.1
URVA	University of	25.49	25	eP	P	01 48 12.3	+1.3
O47A	Sheridan	25.65	9	P	P	01 48 12.5	+0.2
HDIL	Hopedale	25.66	3	P	P	01 48 12.6	+0.1
HDIL	bazz=184			ScP	ScP	01 54 57.2	-0.6
HDIL	Hopedale	25.66	3	eP	P	01 48 11.8	-0.6
SFIN	Lafayette	25.67	7	P	P	01 48 12.7	+0.2
SFIN	bazz=189,SNR=43			ScP	ScP	01 54 57.2	-0.6
SFIN	Lafayette	25.67	7	eP	P	01 48 12.7	+0.2
N41A	Harden Midland	25.77	0	P	P	01 48 13.3	-0.1
O48A	Farmland	25.83	10	P	P	01 48 14.2	+0.2
O48A	bazz=193			ScP	ScP	01 54 56.5	-1.9
N42A	Yates City	25.91	2	P	P	01 48 14.5	-0.1
CVRD	Centerville Ro	25.91	24	eP	P	01 48 16.0	+1.3
O49A	Covington	25.91	12	P	P	01 48 15.0	+0.3
O49A	bazz=195,SNR=17			ScP	ScP	01 54 57.8	-0.7
N38A	Joos South For	25.93	356	P	P	01 48 14.9	0.0
N40A	Mertquake, Sal	25.95	359	P	P	01 48 15.0	0.0
N37A	Lee Faris, Mou	25.97	354	P	P	01 48 15.3	0.0
N37A	Lee Faris, Mou	25.97	354	eP	P	01 48 15.1	-0.2
N39A	Derby Farms, D	25.97	357	P	P	01 48 15.1	-0.2
N39A	Derby Farms, D	25.97	357	eP	P	01 48 15.6	+0.3
N44A	Piper City	25.98	5	P	P	01 48 15.2	-0.1
X18A	Snowflake	26.01	322	eP	P	01 48 18.5	+2.6
X18A	comp=Z,9.4nm,0.3s			eP	pP	01 49 00.3	+3.9
O50A	Cable	26.02	13	P	P	01 48 16.3	+0.6
PTRD	Partlow Road	26.03	25	eP	P	01 48 16.5	+0.8
N43A	Stutzman Farm	26.05	3	P	P	01 48 16.3	+0.3
N45A	Kentland	26.09	6	P	P	01 48 16.3	+0.1
N36A	Muff Farm, Cla	26.11	353	P	P	01 48 16.4	-0.1
PCRV	Puerto La Cruz	26.13	97	P	P	01 48 16.6	-0.5
KSCO	Kaye Shedlock	26.17	339	P	P	01 48 17.4	+0.3
SDCO	Great Sand Dun	26.19	333	P	P	01 48 18.6	+1.1
SDCO	bazz=147,SNR=9.9			ScP	ScP	01 55 00.1	+0.2
SDCO	Great Sand Dun	26.19	333	eP	P	01 48 18.9	+1.3
CBN	Corbin Frederi	26.20	25	P	P	01 48 18.9	+1.6
CBN	Corbin Frederi	26.20	25	eP	P	01 48 19.1	+1.8
214A	Organ Pipe Nat	26.20	314	P	P	01 48 19.5	+2.0
N46A	Monticello	26.22	7	P	P	01 48 17.5	+0.1
ACSO	Alum Creek Sta	26.25	14	P	P	01 48 18.8	+1.1
ACSO	Alum Creek Sta	26.25	14	eP	P	01 48 18.9	+1.1
W18A	Petrified Fore	26.30	324	P	P	01 48 20.6	+2.1
M41A	Milan	26.44	1	P	P	01 48 19.5	+0.1
M40A	Post Highland	26.47	359	P	P	01 48 19.7	0.0
M42A	Sheffield	26.54	2	P	P	01 48 20.1	-0.2
M38A	Pleasantville	26.55	356	P	P	01 48 20.0	-0.4
M43A	Waltram Ownsh	26.56	3	P	P	01 48 20.6	+0.2
M39A	Webster	26.56	358	P	P	01 48 20.3	-0.2
M44A	Midewin, Midew	26.57	5	P	P	01 48 20.6	0.0
M44A	Midewin, Midew	26.57	5	eP	P	01 48 20.4	-0.2
MCWV	Mont Chateau	26.59	19	P	P	01 48 21.9	+1.2
MCWV	Mont Chateau	26.59	19	eP	P	01 48 22.0	+1.3
M37A	Trindle Farm,	26.60	355	P	P	01 48 21.2	+0.3
M45A	Boilemakers S	26.65	6	P	P	01 48 21.4	+0.1
M36A	Felix, Anita	26.72	354	P	P	01 48 21.8	-0.2
N50A	Nevada	26.72	13	P	P	01 48 22.5	+0.6
M46A	Old House Fiel	26.77	8	P	P	01 48 22.2	-0.2
M46A	Old House Fiel	26.77	8	eP	P	01 48 22.6	+0.2
S22A	Mohanch, Cre	26.79	331	P	P	01 48 24.0	+1.0
S22A	bazz=144,SNR=11			ScP	ScP	01 55 02.2	+0.6
S22A	4UR Ranch, Cr	26.79	331	eP	P	01 48 24.6	+1.6
X16A	Lo Mia Camp, P	26.84	320	eP	P	01 48 25.6	+2.4
SCIA	State Center	27.04	356	P	P	01 48 24.7	0.0
SCIA	State Center	27.04	356	eP	P	01 48 25.2	+0.5
Q24A	Divide	27.07	335	P	P	01 48 25.4	-0.1
L42A	Oliver, Polo	27.09	2	P	P	01 48 25.0	-0.2
L42A	Oliver, Polo	27.09	2	eP	P	01 48 25.4	+0.2
L40A	Anamosus	27.12	360	P	P	01 48 25.6	+0.1
L40A	Anamosus	27.12	360	eP	P	01 48 25.6	+0.1
L41A	Prez, Z	27.14	1	P	P	01 48 25.4	-0.3
MVCO	Mesa Verde	27.18	328	P	P	01 48 27.5	+1.1
MVCO	Mesa Verde	27.18	328	eP	P	01 48 28.6	+2.3
BGNE	Belgrade	27.19	348	P	P	01 48 26.1	0.0
BGNE	Belgrade	27.19	348	eP	P	01 48 28.3	+2.2
L39A	Vinton	27.20	358	P	P	01 48 25.9	-0.2
L38A	Oak Wood Farm	27.25	357	P	P	01 48 26.4	-0.3
L37A	Phoenix Point	27.29	356	P	P	01 48 26.9	-0.1
L43A	Garden Prairie	27.31	4	P	P	01 48 27.0	-0.2
113A	Mohawk Valley,	27.33	315	eP	P	01 48 29.8	+2.3
L36A	Harm Buss Farm	27.35	354	P	P	01 48 27.4	-0.1
L44A	Lake County Fo	27.37	5	P	P	01 48 27.6	-0.1
Y14A	Wickenburg	27.52	318	eP	P	01 48 31.5	+2.2
WUAZ	Wupatki	27.53	322	P	P	01 48 31.5	+2.0
WUAZ	bazz=133,SNR=8.3			ScP	ScP	01 55 04.5	+0.7
WUAZ	Wupatki	27.53	322	eP	P	01 48 31.9	+2.5
O56A	Blue Knob Stat	27.56	21	eP	P	01 48 30.8	+1.3
O56A	Blue Knob Stat	27.56	21	eP	P	01 48 31.0	+1.5
K41A	Shuburg	27.67	1	P	P	01 48 30.2	-0.2
OGNE	Ogallala	27.73	342	P	P	01 48 31.4	+0.4
OGNE	Ogallala	27.73	342	eP	P	01 48 31.8	+0.8
N54A	Moraine State	27.73	18	eP	P	01 48 32.0	+1.0
N54A	Moraine State	27.73	18	eP	P	01 48 32.1	+1.2
K38A	Parkersburg	27.75	357	P	P	01 48 30.9	-0.2
K38A	Parkersburg	27.75	357	eP	P	01 48 30.9	-0.2
K40A	Colesburg	27.76	360	P	P	01 48 31.1	0.0
K39A	Oelwein	27.78	359	P	P	01 48 31.0	-0.3
K36A	Glimes City	27.86	355	P	P	01 48 31.7	-0.3
K43A	Burlington	27.86	4	P	P	01 48 31.9	-0.1
K43A	Burlington	27.86	4	eP	P	01 48 32.3	+0.3
K42A	Prairie Point,	27.88	3	P	P	01 48 32.3	+0.3
K37A	Belmont	27.92	356	P	P	01 48 32.1	-0.5
ISCO	Idaho Springs	27.97	336	P	P	01 48 35.0	+1.5
ISCO	Idaho Springs	27.97	336	eP	ScP	01 55 05.8	+0.5
ISCO	Idaho Springs	27.97	336	eP	P	01 48 34.6	+1.1
JFWS	Jewell Farm	27.98	1	P	P	01 48 33.2	+0.1
JFWS	Jewell Farm	27.98	1	eP	P	01 48 33.6	+0.5
JFWS	Jewell Farm	27.98	1	eP	pmax	01 48 33.6	+0.5
SMCO	Snowmass	28.02	333	eP	P	01 48 35.0	+0.9
PV02	Paradox Valley	28.07	329	eP	P	01 48 36.8	+2.6
PV13	Radium Mtn., P	28.07	329	eP	P	01 48 36.2	+1.9
AAM	Ann Arbor	28.09	12	P	P	01 48 34.2	+0.1
AAM	Ann Arbor	28.09	12	eP	P	01 48 34.7	+0.7
AAM	Ann Arbor	28.09	12	eP	pmax		

GMRC	Granite Mounta	29.79	316	P	P	01 48 51.7 +2.3
GMRC	baz=126			ScP	ScP	01 55 12.1 +1.2
CRY	Cary Ranch	29.84	313	eP	P	01 48 46.0 -3.9
P18A	Preston Nutter	29.91	329	eP	P	01 48 52.3 +1.7
H35A	Sunnyside Ran	29.94	355	P	P	01 48 49.5 -0.9
SZCU	Shurtz Canyon	29.96	323	eP	P	01 48 53.7 +2.7
MMNY	Mt. Morris Dam	29.99	19	eP	P	01 48 51.8 +1.0
PAL	Palisades	30.00	26	P	P	01 48 52.0 +1.1
PAL	Palisades	30.00	26	eP	P	01 48 52.2 +1.2
PAL	Palisades	30.00	26	eP	P	01 48 52.2 +1.2
STCO	Saint Catharin	30.03	17	P	P	01 48 54.1 +1.1
P17A	Butcher Ranch,	30.04	329	eP	P	01 48 52.3 +1.7
H32A	Carlson Farm,	30.07	351	P	P	01 48 50.9 -0.7
CCUT	Cedar Cnty	30.09	323	eP	P	01 48 54.9 +2.7
MSU	Marysvale	30.09	326	eP	P	01 48 54.5 +2.4
MSU	Marysvale	30.09	326	eP	P	01 48 54.5 +2.4
MSU	Marysvale	30.09	326	eP	P	01 48 54.5 +2.4
NNA	Nana	30.12	152	P	P	01 48 53.0 +0.7
NNA	comp=Z,14nm,0.7s,baz=325,slow=14,SNR=5.2			PcP	PcP	01 51 49.8 +0.9
BASO	Ashfield	30.14	13	P	P	01 48 52.7 +0.5
TMUT	Trail Mountain	30.15	328	eP	P	01 48 55.0 +2.3
TMUT	baz=203			eP	P	01 49 37.3 +3.5
ACTO	Acton	30.16	16	P	P	01 48 53.0 +0.7
BINY	Binghamton	30.18	22	P	P	01 48 53.8 +1.2
BINY	Binghamton	30.18	22	eP	P	01 48 53.8 +1.2
MURC	Murrieta	30.19	313	P	P	01 48 55.0 +2.2
MEDO	Medina	30.20	18	P	P	01 48 53.6 +0.8
RWWY	Rawlins	30.21	335	eP	P	01 48 54.7 +1.5
RWWY	baz=122,SNR=6.0			eP	P	01 49 34.7 +0.4
G38A	Ridgeland	30.24	359	P	P	01 48 52.7 -0.3
HEC	Hector,Ludlow	30.27	316	P	P	01 48 55.7 +2.2
HEC	baz=125			ScP	ScP	01 55 12.7 +0.4
G41A	Antigo	30.31	3	P	P	01 48 52.9 -0.8
SPMN	Marine on St.	30.32	357	P	P	01 48 53.6 -0.2
SPMN	Marine on St.	30.32	357	eP	P	01 48 53.8 0.0
G40A	Rib Lake	30.34	1	P	P	01 48 53.6 -0.4
TUQ	Turquoise Moun	30.34	317	P	P	01 48 55.5 +1.3
G39A	Holcombe	30.35	360	P	P	01 48 53.6 -0.4
BWLO	Walkerton	30.36	14	P	P	01 48 54.7 +0.6
G42A	Mountain	30.38	4	P	P	01 48 53.8 -0.4
G42A	Mountain	30.38	4	eP	P	01 48 53.9 -0.4
G36A	St. Michael	30.38	356	P	P	01 48 54.2 -0.1
BRCO	Bruce Peninsul	30.41	14	P	P	01 48 55.4 +0.8
G43A	Wallace	30.45	5	P	P	01 48 54.4 -0.4
G43A	Wallace	30.45	5	eP	P	01 48 54.5 -0.3
SHPR	Sheep Range	30.50	319	eP	P	01 48 58.3 +2.7
G34A	Benson	30.56	354	P	P	01 48 55.2 -0.7
G33A	Ortonville	30.60	352	P	P	01 48 55.6 -0.6
YLE	Yale	30.68	27	eP	P	01 48 59.1 +2.2
PKRO	Pickering	30.76	17	P	P	01 48 58.3 +0.7
DRWO	Darlington Wes	30.77	17	P	P	01 48 58.6 +0.9
K22A	Casper	30.77	337	P	P	01 48 57.8 -0.1
K22A	Casper	30.77	337	eP	P	01 48 58.6 +0.6
DRCO	St. Marys Ceme	30.78	18	P	P	01 49 41.5 +2.4
GM2A	Merriville Lake	30.80	14	P	P	01 48 58.2 +0.3
B3R0	Webster	30.81	351	P	P	01 48 55.4 -0.6
G32A	Webster	30.81	351	eP	P	01 48 58.1 0.0
F37A	Hinrichs Farm,	30.82	358	P	P	01 48 57.7 -0.4
F41A	Three Lakes	30.84	3	P	P	01 48 57.7 -0.6
F41A	Three Lakes	30.84	3	eP	P	01 48 57.8 -0.6
SHOC	Shoshone, Teco	30.85	317	P	P	01 49 00.4 +1.8
BFSC	Mount Baldy Ra	30.85	314	P	P	01 49 00.3 +1.6
GSC	Goldstone, Bar	30.85	316	P	P	01 49 00.6 +1.9
GSC	baz=125			ScP	ScP	01 55 14.9 +0.6
GSC	Goldstone, Bar	30.85	316	eP	P	01 49 01.3 +2.6
GSC	Goldstone, Bar	30.85	316	eP	P	01 49 01.3 +2.6
CLWO	Collingwood	30.88	15	P	P	01 48 59.3 +0.6
MPU	Maple Canyon	30.90	328	eP	P	01 48 59.7 +0.5
F42A	Maple Grove Fa	30.91	4	P	P	01 49 41.9 +1.6
WLVO	Wesleyville	30.91	18	P	P	01 48 60.0 +1.1
CIS	Catalina Islan	30.96	312	P	P	01 49 01.0 +1.4
F39A	Loretta	30.98	0	P	P	01 48 58.9 -0.7
F40A	Park Falls	30.99	1	P	P	01 48 59.3 -0.3
F36A	Milaca	31.00	357	P	P	01 48 59.1 -0.6
F36A	Milaca	31.00	357	eP	P	01 48 59.4 -0.3
F38A	Pierce - Schro	31.03	359	P	P	01 48 59.5 -0.4
PSUT	Pine Spring	31.04	324	eP	P	01 49 03.1 +2.7
PSUT	baz=183,SNR=12			eP	P	01 49 41.9 +0.2
F43A	Flat Rock, Esc	31.06	5	P	P	01 48 59.7 -0.6
F34A	Alexandria	31.07	354	P	P	01 48 59.8 -0.5
F35A	Swanville	31.07	355	P	P	01 49 00.1 -0.2
F45A	CMU Biological	31.09	7	P	P	01 49 00.3 -0.2
MWC	Mount Wilson	31.12	313	eP	P	01 49 04.0 +2.8
PASC	Pasadena Art C	31.19	313	eP	P	01 49 02.0 +0.5

PASC	Conover	31.20	2	eP	P	01 49 40.2 -2.5
COWI	comp=Z,53nm,0.6s			eP	P	01 49 01.1 -0.3
COWI	Black Hills	31.23	342	eP	P	01 49 42.3 -0.4
RSSD	Black Hills	31.23	342	eP	P	01 49 02.5 +0.5
RSSD	Black Hills	31.23	342	eP	P	01 49 03.0 +1.0
RSSD	Black Hills	31.23	342	eP	P	01 49 44.0 +0.7
RSSD	Black Hills	31.23	342	eP	P	01 49 03.0 +1.0
JLU	Jordanelle	31.25	329	eP	P	01 49 04.1 +1.8
F44A	Big Bay de Noc	31.27	6	P	P	01 49 01.9 -0.2
F46A	Macinaw City C	31.28	8	P	P	01 49 02.1 0.0
TOBO	Tobermory, Bru	31.33	13	P	P	01 49 02.5 -0.1
DECC	Green Verdugo	31.34	313	P	P	01 49 05.1 +2.2
EDW2	Edwards Air Fo	31.43	314	P	P	01 49 05.7 +2.0
EDW2	baz=123			ScP	ScP	01 55 16.0 -0.2
E39A	Mellen	31.44	1	P	P	01 49 03.3 -0.2
TPNV	Topopah Spring	31.46	319	P	P	01 49 06.7 +2.6
TPNV	baz=181,SNR=23			ScP	ScP	01 55 17.1 +0.7
TPNV	Topopah Spring	31.46	319	eP	P	01 49 06.9 +2.8
TPNV	Topopah Spring	31.46	319	eP	P	01 49 05.1 +5.7
TPNV	Topopah Spring	31.46	319	eP	P	01 49 05.9 +2.8
TPNV	Topopah Spring	31.46	319	eP	P	01 49 51.0 +5.7
CTU	Camp Tracy	31.47	329	eP	P	01 49 06.0 +1.9
SADO	Sadova	31.48	16	P	P	01 49 04.2 +0.3
SADO	comp=Z,67nm,0.7s,baz=220,slow=9.0,SNR=7.4			ScP	ScP	01 55 13.7 -2.3
SADO	Sadova	31.48	16	eP	P	01 49 04.3 +0.3
SADO	comp=Z,3.3nm,0.5s,baz=270,slow=2.3,SNR=4.9			eP	P	01 55 13.7 -2.3
SADO	Wakefield	31.52	1	eP	P	01 49 04.2 -0.1
TRY	Troy	31.53	25	eP	P	01 49 05.6 +1.2
LRMC	Laurel Mt Rad	31.54	316	P	P	01 49 06.9 +2.2
LRMC	baz=124			ScP	ScP	01 55 16.8 +0.2
FURC	Furnace Creek,	31.57	318	P	P	01 49 07.1 +2.3
E41A	Kenton	31.57	3	P	P	01 49 04.0 -0.7
E42A	The Farm, Brul	31.60	4	P	P	01 49 04.5 -0.4
E43A	Lone Tree Farm	31.61	5	P	P	01 49 04.8 -0.3
E43A	Lone Tree Farm	31.61	5	eP	P	01 49 04.7 -0.3
TCUT	Toone Canyon	31.62	330	eP	P	01 49 07.6 +2.0
E36A	McGregor	31.64	357	P	P	01 49 04.9 -0.4
DUG	Dugway, Toeole	31.64	327	P	P	01 49 07.3 +1.7
DUG	baz=137,SNR=8.9			ScP	ScP	01 55 17.4 +0.5
DUG	Dugway, Toeole	31.64	327	eP	P	01 49 07.7 +2.1
DUG	Dugway, Toeole	31.64	327	eP	P	01 49 07.7 +2.1
DUG	Dugway, Toeole	31.64	327	eP	P	01 48 07.7 +2.1
DUG	Dugway, Toeole	31.64	327	eP	P	01 49 00.0 +3.1
E37A	Wrenshall	31.65	358	P	P	01 49 05.1 -0.3
E38A	The Farm, Brul	31.67	359	P	P	01 49 05.2 -0.3
E38A	The Farm, Brul	31.67	359	eP	P	01 49 05.4 -0.2
E38A	The Farm, Brul	31.67	359	eP	P	01 49 46.2 -0.7
DELO	Deloro Mine	31.69	18	P	P	01 49 05.4 -0.3
QUA2	Belchertown	31.72	27	eP	P	01 49 07.0 +1.0
MPMC	Manual Prospec	31.74	317	P	P	01 49 08.6 +2.0
MPMC	baz=125,SNR=10.0			ScP	ScP	01 55 18.2 +0.8
E35A	Peque Lakes	31.75	356	P	P	01 49 06.5 +0.3
KLBO	Kilbear Provi	31.75	15	P	P	01 49 05.4 -0.9
E34A	Wadena	31.77	355	P	P	01 49 06.6 +0.2
BLG	Laguna Peak, P	31.78	312	P	P	01 49 09.0 +2.3
BRYV	Bryant College	31.79	28	eP	P	01 49 07.8 +1.1
E45A	Wooded Hills,	31.79	8	P	P	01 49 06.8 +0.1
M65A	Busby, Fairmount	31.93	30	P	P	01 49 08.9 +1.0
DAC	Darin (Calif)	31.93	317	eP	P	01 49 10.7 +2.4
DAC	Darwin (Calif)	31.93	317	eP	P	01 49 51.9 +2.3
DAC	Darwin (Calif)	31.93	317	eP	P	01 49 10.7 +2.4
R11A	Troy Canyon, C	31.93	322	P	P	01 49 10.6 +2.4
R11A	Troy Canyon, C	31.93	322	eP	P	01 49 10.6 +2.4
R11A	Troy Canyon, C	31.93	322	eP	P	01 49 53.3 +3.8
E44A	Grand Marais A	31.96	7	P	P	01 49 08.8 +0.7
E44A	Grand Marais A	31.96	7	eP	P	01 49 08.9 +0.7
BUKO	Buck Lake	32.03	15	P	P	01 49 09.4 +0.6
BANO	Bancroft	32.05	18	P	P	01 49 09.4 +0.4
HWUT	Hardware Ranch	32.07	330	eP	P	01 49 10.8 +1.4
ACCN	Adirondack Com	32.08	24	eP	P	01 49 10.2 +0.9
BW06	Boulder Array	32.08	334	P	P	01 49 09.7 +0.1
BW06	Boulder Array	32.08	334	eP	P	01 49 09.9 +0.4
PD31	Pinedale Array	32.08	334	eP	P	01 49 09.9 +0.4
PD31	Pinedale Array	32.08	334	eP	P	01 49 53.5 +2.6
PD31	Pinedale Array	32.08	334	eP	P	01 50 13.8 -0.3
PD31	Pinedale Array	32.08				

Table with columns: Code, Station Name, Az, El, S, P, G, Time, Res. Includes stations like CHKK Chushkaly, KUU Kurty, ARK Arkit, etc.

NIED 12 03:08:00.24:30N:122:10E, h38km, Mw3.8 Best double couple: M=5.420000,1014 NP1=59.00000, 8.43.00000, lambda=158.00000, NP2=312.00000, delta=5.00000, lambda=50.00000.
ISCJB 12 03:08:42.8:0.2,24:36N:02:122:17E:0.01, h60km, 3km, mb3.4/6, Error ellipse: s-maj=2.9km s-min=2.0km az=156.1
JMA 12 03:08:42.4:0.2,24:28N:122:14E, h62km, 3km, M4.0
TAP 12 03:08:43.2,24:37N:122:12E, h59km, ML4.4, 4.3
IDC 12 03:08:43.9:5.2,24:46N:122:28E, h56km, M1.5, mb3.2/6, mb1 3.5/7, mb1mx3.2/62, mbtmp3.6/7, ML3.4/1, MS2.5/2, Ms1 2.5/2, ms1mx2.2/29, Error ellipse: s-maj=32.4km s-min=19.3km az=65.0
ISC 12 03:08:44.0:0.0,24:37N:03:122:16E:0.02, h56km, 5km, n122, s1816/185, mb3.4/6, 27C-5D, Taiwan region

Main table for station data with columns: Code, Station Name, Az, El, S, P, G, Time, Res. Includes stations like EOS1 EOS11, TWC Suao, NANB Nanao, ENA Nanao, etc.

Main table for station data with columns: Code, Station Name, Az, El, S, P, G, Time, Res. Includes stations like WHF Hehuan Shan, WHF Taipei, TATOW Taipei, etc.

Main table for station data with columns: Code, Station Name, Az, El, S, P, G, Time, Res. Includes stations like CHN1 Nanshi, WSF Szu, WLBG Puzi, etc.

IDC 12 03:08:59.1:18.0, 19.93S:178:32W, h533km, 207km, mb3.2/7, mb1 3.5/7, mb1mx3.0/46, mbtmp4.1/7, Error ellipse: s-maj=180.9km s-min=49.3km az=151.0, Fiji Islands region
Code Station Name Az El S P G Time Res
CTA Charters Tower 33.26 264 P Op ISC h m s ISC
ASAR Alice Springs 44.36 256 P P 03 16 22.2 -0.2
WRA Warrungarra Arr 44.39 262 P P 03 16 22.4 -0.2
FITZ Fitzroy Crossi 52.81 282 P P 03 17 25.1 0.0
NVA Mina Array Bea 80.41 44 P P 03 20 18.1 +0.4
TXAR Alice Springs 87.00 57 P P 03 20 47.5 -0.7
PDAR Pinedale Array 88.75 43 P P 03 20 56.4 +0.1

NORS 12 03:18:01.8:0.0, 42:55N:43:41E, h8km
MOS 12 03:18:02.2:0.0, 42:56N:43:34E, h8km, MPVA3.4
TIF 12 03:18:02.4, 42:56N:43:44E, h10km, 1km
CSEM 12 03:18:03.3:0.5, 42:56N:43:38E, h2km, ML2.2, Error ellipse: s-maj=12.7km s-min=9.0km az=158.0
DDA 12 03:18:25.9, 42:73N:43:35E, h6km, M1.3
ISC 12 03:18:03.2:0.8, 42:56N:02:43:42E:0.03, h8km, 4km, n32, c074/64, Western Caucasus
Code Station Name Az El S P G Time Res
ONI Oni 0.04 31 Op ISC h m s ISC
ONI Oni 0.04 31 S Sg 03 18 04.7 +0.3
ONI Oni 0.04 31 P Pg 03 18 04.7 -0.3
ONI Oni 0.04 31 S Sg 03 18 06.3 0.0
ONI Oni 0.04 31 S Sg 03 18 07.4 -0.3
ONI Oni 0.04 31 P Pg 03 18 07.4 -0.3
DIGR Digorskoe uzhe 0.36 18 P Pg 03 18 09.2 -1.2
DIGR Digorskoe uzhe 0.36 18 P Pg 03 18 14.6 -0.6
ZEI ZEI 0.42 56 P Pg 03 18 10.3 -1.2
ZEI ZEI 0.42 56 P Pg 03 18 15.8 -0.7
ZEI ZEI 0.42 56 P Pg 03 18 16.2 -0.3
KORR Kora 0.71 42 P Pg 03 18 26.8 +0.6
KORR Kora 0.71 42 P Pg 03 18 27.4 +0.6
LSNR Lesken 0.78 22 P Pg 03 18 17.4 -0.8
LSNR Lesken 0.78 22 P Pg 03 18 29.1 +0.7
NEY Neytrino 0.86 324 P Pg 03 18 19.8 -0.1
NEY Neytrino 0.86 324 P Pg 03 18 25.9 -1.6
ARNR Ardon 0.89 45 P Pg 03 18 33.3 +0.4
ARNR Ardon 0.89 45 P Pg 03 18 33.3 +0.4
STDR Stadv-Durt 0.94 30 P Pg 03 18 21.0 -0.3
STDR Stadv-Durt 0.94 30 P Pg 03 18 35.8 +1.5
NCK Naichik 0.95 8 P Pg 03 18 20.6 -0.8
NCK Naichik 0.95 8 P Pg 03 18 34.3 -0.3
VLKR Vladikavkaz 1.04 62 P Pg 03 18 23.0 -0.3
VLKR Vladikavkaz 1.04 62 P Pg 03 18 38.5 +1.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKH Akhalkalaki, SH1 Shidzhatmaz, KIV Kislovodsk, etc.

JMA 12 03:31:03.5-0.1,35.48N-138.99E, h21km, M2.8, 2C-2D Broadband fault plane solution: P waves. NP1: 193.00000, 832.00000, 132.00000. NP2: 193.00000, 832.00000, 132.00000. Principal axes: T Plg53.0000, Azm18.0000; N Plg26.0000, Azm247.0000; P Plg24.0000, Azm144.0000; Eastern

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JOD2 Odawara 2, JYN Shimob, JYJ Ryugami san, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tlapa, etc.

ISC/JB 12 03:52:45.6-0.2, 16.10N-0.02-84.91W, 0.02, h10km, mb4.3/51, MS3.6/9, Error ellipse: s-maj=3.4km s-min=2.9km az=5.0 NEIC 12 03:52:49.8-1.1, 16.08N-84.95W, h25km, 8km, mb4.3/99, Error ellipse: s-maj=4.5km s-min=3.5km az=73.0 IDC 12 03:52:50.9-3.4, 15.94N-84.98W, h37km, 31km, MS3.6/15, mb1.4/0.20, mb1mx3.8/5.0, mbmp4.0/20, ML7.7/5, MS3.6/13, Ms1.3.6/13, ms1mx3.4/4.2, Error ellipse: s-maj=23.8km s-min=13.5km az=50.0 CASC 12 03:52:58.2-2.8, 16.59N-85.08W, h25km, ML3.9, mb4.3(NEIC) ISC 12 03:52:48.0-0.4, 16.17N-0.03-84.96W, 0.04, h10km, n415, r+159/418, mb4.4/51, MS3.6/9, North of Honduras

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TGUH Tegucigalpa, ESTN Estel, BOAB BOACO BROADBAND, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GTEBY Guantanamo Bay, 061Z Ochoppi, 061Z Ave Maria, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Z44A Pea Ridge, Y48A Jasper, ZAIG Zacatas, etc.

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KWP	Kalwaria Pacla	61.72	30	eP	P	04 14 30.7	-0.4
KWP	Kalwaria Pacla	61.72	30	eP	P	04 14 30.7	-0.4
KWP	comp=Z,130nm,1.2s				pmax		
BUR04	Bucovina Ar. S	61.78	33	eP	P	04 14 32.0	+0.4
BURAR	Bucovina Array	61.78	33	UP	P	04 14 30.8	-0.8
BURAR	Bucovina Array	61.78	33	UP	P	04 14 30.8	-0.8
BUR08	Bucovina Ar. S	61.79	33	eP	P	04 14 32.0	+0.3
TIRR	Tirgusor	61.83	37	UP	P	04 14 32.3	+0.4
TIRR	Tirgusor	61.83	37	eP	P	04 14 31.0	-0.9
TIRR	comp=Z,20nm,1.5s						
TIRR	Tirgusor	61.83	37	UP	P	04 14 32.3	+0.4
BIZ	Bicaz	61.87	34	UP	P	04 14 32.8	+0.7
TESR	Tescani	61.93	35	UP	P	04 14 32.0	+0.6
CFR	Carcaliu	62.05	36	UP	P	04 14 33.0	-0.3
CFR	Carcaliu	62.05	36	UP	P	04 14 33.0	-0.3
ANTO	Ankara	62.43	44	UP	P	04 14 35.0	-1.1
ANTO	Ankara	62.43	44	UP	P	04 14 36.2	+0.1
ANTO	comp=Z,19nm,1.0s						
ANTO	Ankara	62.43	44	UP	P	04 14 35.0	-1.1
ASF	Jabal al Asfar	62.50	53	eP	P	04 14 38.0	+1.2
ASF	Jabal al Asfar	62.50	53	eP	P	04 14 38.0	+1.2
LVV	L'vov	62.50	53	eP	P	04 14 36.2	-0.1
LVV	comp=E,70nm,14.0s				MLR	MLR	
LVV	comp=N,50nm,15.0s				MLR	MLR	
LVV	comp=Z,80nm,15.0s				MLR	MLR	
BR101	Keskin Array S	62.95	44	eP	P	04 14 39.9	+0.2
BR131	Keskin Array S	62.95	44	eP	P	04 14 40.0	+0.3
BRTR	Keskin Array B	62.95	44	eP	P	04 14 39.9	+0.2
BRTR	comp=Z,5.8nm,1.1s,baz=233,slow=5.9,SNR=28				LR	LR	04 44 07.8
HRV	Adam Dziewonski	63.08	319	P	P	04 14 41.1	+0.8
HRV	comp=Z,100nm,19.8s,baz=205,slow=38						
ATD	Arta Tunnel	63.37	77	LR	LR	04 42 20.5	
ATD	comp=Z,114nm,18.6s,baz=288,slow=36						
KIS	Kishinev	63.44	35	eP	P	04 14 40.0	-2.6
KIS	comp=Z,300nm,16.0s				MLR	MLR	
KIS	Kishinev	63.44	35	eP	P	04 14 40.0	-2.6
KIS	comp=Z,300nm,16.0s				MLR	MLR	
ILGA	Ilgaz	63.58	43	eP	P	04 14 43.5	-0.5
ILGA	comp=Z,27nm,1.3s						
SORM	Soroca	63.80	34	UP	P	04 14 43.9	-1.0
SORM	Soroca	63.80	34	UP	P	04 14 43.9	-1.0
KLNR	Kalinigrad	63.92	25	eP	P	04 14 47.5	+2.0
KLNR	comp=Z,5.8nm,1.1s,baz=233,slow=5.9,SNR=28				pmax	pmax	
LBNH	Lisbon	64.14	321	P	P	04 14 48.3	+1.0
LBNH	comp=Z,53nm,0.8s						
060A	Indianatown	64.21	300	P	P	04 14 47.3	-0.8
060Z	West Palm Beach	64.22	300	P	P	04 14 47.3	-0.9
060Z	comp=Z,24nm,0.9s						
SUW	Suwalki	64.79	26	eP	P	04 14 51.5	+0.2
SUW	Suwalki	64.79	26	eP	P	04 14 51.5	+0.2
059Z	Ave Maria	64.98	299	P	P	04 14 52.7	-0.4
059Z	comp=Z,104nm,1.2s						
N59A	State Game Lan	65.21	316	P	P	04 14 55.0	+0.6
N59A	comp=Z,114nm,18.6s,baz=288,slow=36						
758A	Lake Helen	65.42	302	P	P	04 14 56.3	+0.3
758A	comp=Z,172nm,20.8s,baz=165,slow=36						
JTS	JuntasAbangare	65.66	281	LR	LR	04 43 09.0	
JTS	comp=Z,172nm,20.8s,baz=165,slow=36						
AK11	Malin Array Si	65.67	32	eP	P	04 14 55.8	-1.3
AK11	comp=Z,220nm,1.0s						
KIEV	Kiev	65.70	32	eP	P	04 14 56.5	-0.8
KIEV	comp=Z,20nm,1.0s						
KIEV	Kiev	65.70	32	eP	P	04 14 56.2	-1.1
KIEV	comp=Z,18nm,1.0s				pmax	pmax	
AKASG	Malin Array Be	65.71	32	eP	P	04 14 56.9	-0.5
AKASG	comp=Z,220nm,1.0s						
AKAB	Malin Array Si	65.71	32	eP	P	04 14 56.6	-0.7
AKAB	comp=Z,21nm,1.0s						
AKAB	Malin Array Si	65.71	32	eP	P	04 14 56.6	-0.7
AKAB	comp=Z,21nm,1.0s				pmax	pmax	
HFS	Hagfors	65.73	18	P	P	04 14 58.1	+0.9
HFS	comp=Z,2.2nm,0.6s,baz=207,slow=9.0,SNR=6.3						
HFS	Hagfors	65.73	18	P	P	04 14 58.1	+0.9
HFS	comp=Z,175nm,18.2s,baz=215,slow=38				LR	LR	04 46 21.9
NHSC	New Hope	65.74	307	P	P	04 14 58.5	+0.6
NHSC	comp=Z,175nm,18.2s,baz=215,slow=38						
NB2	NORSAR Subarra	65.75	16	P	P	04 14 57.5	0.0
NB2	comp=Z,12nm,1.2s,baz=214,slow=6.5						
NOA	NORSAR Array B	65.75	16	LR	LR	04 45 33.8	
NOA	comp=Z,157nm,19.2s,baz=215,slow=38						
BINY	Binghamton	65.89	317	eP	P	04 14 59.8	+1.0
BINY	comp=Z,20nm,1.3s						
BINY	Binghamton	65.89	317	eP	P	04 14 59.3	+0.6
BINY	comp=Z,20nm,1.3s						
957A	Wimauma	65.99	301	P	P	04 14 59.1	-0.5
957A	comp=Z,104nm,1.2s						
857A	Zephyrhills	66.12	301	P	P	04 15 00.7	+0.2
857A	comp=Z,104nm,1.2s						
557A	Orange Park	66.14	303	P	P	04 15 00.9	+0.3
557A	comp=Z,104nm,1.2s						
657A	Interlachen	66.15	303	P	P	04 15 01.1	+0.5
657A	comp=Z,104nm,1.2s						
757A	Oxford	66.16	302	P	P	04 15 01.0	+0.3
757A	comp=Z,104nm,1.2s						
457A	Yulee	66.16	304	P	P	04 15 01.4	+0.7
457A	comp=Z,104nm,1.2s						
357A	Townsend	66.32	305	P	P	04 15 02.5	+0.8
357A	comp=Z,104nm,1.2s						
SSPA	Standing Stone	66.58	315	P	P	04 15 04.1	+0.9
SSPA	comp=Z,112nm,1.2s						
ALFO	Alfred	66.65	321	P	P	04 15 03.0	-0.4
ALFO	comp=Z,112nm,1.2s						
656A	Willston	66.66	302	P	P	04 15 03.6	-0.3
656A	comp=Z,104nm,1.2s						
156A	Sylvania	66.67	306	P	P	04 15 04.6	+0.7
156A	comp=Z,104nm,1.2s						
556A	Lake Butler	66.71	303	P	P	04 15 04.4	+0.3
556A	comp=Z,104nm,1.2s						
TRQ	Mont Tremblant	66.71	322	eP	P	04 15 04.4	+0.4
TRQ	comp=Z,104nm,1.2s						
256A	Glennville	66.80	305	P	P	04 15 05.3	+0.6
256A	comp=Z,104nm,1.2s						
056A	Blue Knob Stat	66.92	315	P	P	04 15 06.3	+0.8
056A	comp=Z,112nm,1.2s						
056A	Blue Knob Stat	66.92	315	eP	P	04 15 06.5	+1.0
056A	comp=Z,112nm,1.2s						
ORIO	Orleans, Innes	66.96	321	P	P	04 15 06.1	+0.6
ORIO	comp=Z,116nm,1.2s						
SCHO	Schefferville	67.15	333	P	P	04 15 08.2	+1.7
SCHO	comp=Z,104nm,0.8s,baz=104,slow=7.8,SNR=3.6						
SCHO	Schefferville	67.15	333	eP	P	04 15 08.2	+1.7
SCHO	comp=Z,7.1nm,1.0s						
BLA	Blacksburg	67.22	311	P	P	04 15 08.2	+0.8
BLA	comp=Z,109nm,1.4s						
255A	Hazlehurst	67.27	305	P	P	04 15 08.0	+0.3
255A	comp=Z,106nm,1.4s						
KMSC	Kings Mountain	67.27	309	P	P	04 15 08.4	+0.7
KMSC	comp=Z,108nm,1.4s						
455A	Stateville	67.42	304	P	P	04 15 09.6	+1.0
455A	comp=Z,105nm,1.4s						
155A	Kite	67.45	306	P	P	04 15 09.9	+1.1
155A	comp=Z,105nm,1.4s						
MCWV	Mont Chateau	67.62	314	P	P	04 15 11.0	+1.2
MCWV	comp=Z,106nm,1.4s						
RAYN	Ar Rayn	67.63	64	eP	P	04 15 10.6	+0.4
RAYN	comp=Z,7.1nm,1.0s						
RAYN	Ar Rayn	67.63	64	eP	P	04 15 10.6	+0.4
RAYN	comp=Z,7.0nm,1.0s				pmax	pmax	
554A	Perry	67.80	303	P	P	04 15 12.4	+1.3
554A	comp=Z,104nm,1.2s						
454A	Quitman	67.91	303	P	P	04 15 12.8	+1.0
454A	comp=Z,104nm,1.2s						
Z54A	Sparta	67.92	306	P	P	04 15 12.9	+1.1
Z54A	comp=Z,106nm,1.4s						
DELO	Deloro Mine	67.92	319	P	P	04 15 11.8	+0.2
DELO	comp=Z,114nm,1.4s						
254A	Abbeville	67.94	305	P	P	04 15 12.8	+0.9
254A	comp=Z,105nm,1.4s						
154A	Montrose	67.97	306	P	P	04 15 12.9	+0.8
154A	comp=Z,106nm,1.4s						
Y54A	Tignall	67.97	307	P	P	04 15 12.6	+0.5
Y54A	comp=Z,106nm,1.4s						
TIGA	Tifton	68.06	304	P	P	04 15 12.5	-0.2
TIGA	comp=Z,105nm,1.4s						

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OPO	Ambohadratempo	68.09	110	P	P	04 15 14.9	+1.5
OPO	comp=Z,4.9nm,0.8s,baz=106,slow=22,SNR=3.0						
M54A	Oil Creek Stat	68.15	316	P	P	04 15 13.4	+0.2
M54A	comp=Z,111nm,1.1s						
PEMO	Pembroke	68.16	320	P	P	04 15 14.0	+0.9
PEMO	comp=Z,115nm,1.1s						
N54A	Moraine Stat	68.18	315	P	P	04 15 13.8	+0.5
N54A	comp=Z,111nm,1.1s						

U46A	Springville	72.96 308	P	P	04 15 42.4 -0.1
Q46A	CEJHS Indians,	72.98 311	P	P	04 15 42.5 -0.1
N46A	Monticello	73.01 313	P	P	04 15 43.0 +0.3
P46A	Rosedale	73.02 312	P	P	04 15 42.5 -0.3
F46A	Macinaw City C	73.08 318	P	P	04 15 43.2 +0.1
SFIN	Lafayette	73.14 313	P	P	04 15 43.5 -0.1
OLIL	Olney	73.47 311	eP	P	04 15 45.8 +0.3
W45A	Hickory Valley	73.49 307	P	P	04 15 45.0 -0.7
R45A	Skyler, Fairfri	73.50 310	P	P	04 15 44.8 -0.9
X45A	UM Field Stati	73.50 306	P	P	04 15 45.2 -0.5
Y45A	Yeager Farm, C	73.50 305	P	P	04 15 45.3 -0.6
Q45A	Warren Harvey,	73.55 311	P	P	04 15 45.3 -0.6
N45A	Kentland	73.57 313	P	P	04 15 45.8 -0.2
O45A	Potomac	73.57 312	P	P	04 15 45.2 -0.9
AKT	Akhty	73.60 46	eP	P	04 15 46.0 -0.4
AKT			e		04 16 00.3
AKT			e		04 18 30.4
N44A	Piper City	74.01 313	P	P	04 15 48.7 0.0
P44A	Sand Creek, Wi	74.04 311	P	P	04 15 49.2 +0.3
Y44A	Strider, Charl	74.07 305	P	P	04 15 48.5 -0.6
SIUC	Southern Ilin	74.08 309	eP	P	04 15 49.4 +0.3
244A	Avery, Jackson	74.09 303	P	P	04 15 48.7 -0.6
O44A	Mansfield	74.09 312	P	P	04 15 48.0 -1.1
R44A	Waltonville	74.10 310	P	P	04 15 48.2 -1.1
S44A	Carbondale	74.11 309	P	P	04 15 48.1 -1.1
Z44A	Pea Ridge, Bel	74.11 305	P	P	04 15 48.9 -0.5
S43A	Fulton Ridge,	74.71 309	P	P	04 15 51.8 -1.1
U43A	Rector	74.71 308	P	P	04 15 51.9 -0.9
X43A	Marvell	74.72 306	P	P	04 15 52.6 -0.3
X43A	Marvell	74.72 306	eP	P	04 15 53.9 +1.0
Q43A	New Douglas	74.73 311	P	P	04 15 51.8 -1.1
P43A	Skaggs, Pawnee	74.76 311	P	P	04 15 51.9 -1.1
T43A	Greenville	74.77 309	P	P	04 15 52.2 -1.0
HDIL	Hopedale	74.81 312	P	P	04 15 52.6 -0.7
143A	Socs Landing,	74.81 304	P	P	04 15 53.1 -0.4
143A	Socs Landing,	74.81 304	eP	P	04 15 54.6 +1.1
I43A	Langenfeld Bro	74.83 316	P	P	04 15 53.2 -0.2
FVM	French Village	75.07 310	eP	P	04 15 56.1 +1.3
FVM	French Village	75.07 310	eP	P	04 15 56.2 +1.3
H42A	Shiocton	75.26 316	eP	P	04 15 56.6 +0.8
S42A	Caledonia	75.31 309	P	P	04 15 56.2 -0.1
X42A	Stuttgart	75.33 306	P	P	04 15 56.2 -0.2
342A	Flagon Creek P	75.34 303	P	P	04 15 56.6 +0.1
P42A	Winchester	75.36 311	P	P	04 15 55.5 -1.0
I42A	Draeger Farm,	75.37 316	P	P	04 15 55.9 -0.6
I42A	Draeger Farm,	75.37 316	eP	P	04 15 57.1 +0.7
J42A	Columbus	75.37 315	P	P	04 15 55.7 -0.8
U42A	Reviden	75.37 308	P	P	04 15 55.5 -1.1
E42A	Champion	75.38 318	P	P	04 15 55.8 -0.7
V42A	Cord	75.38 307	P	P	04 15 55.4 -1.3
K42A	Prairie Point,	75.39 315	P	P	04 15 56.1 -0.5
G42A	Mountain	75.39 317	P	P	04 15 56.2 -0.3
G42A	Mountain	75.39 317	eP	P	04 15 56.8 +0.2
T42A	Van Buren	75.39 308	P	P	04 15 55.7 -1.1
R42A	Luebbering	75.42 310	P	P	04 15 56.8 -0.1
L42A	Oliver, Polo	75.43 314	P	P	04 15 55.8 -1.0
CCM	Cathedral Cave	75.72 309	P	P	04 15 57.7 -1.0
CCM	Cathedral Cave	75.72 309	eP	P	04 15 59.3 +0.7
CCM	Cathedral Cave	75.72 309	eP	P	04 15 59.3 +0.7
R41A	Rosebud	75.87 310	P	P	04 15 58.5 -1.0
O41A	Passleys Farm,	75.89 312	P	P	04 15 58.4 -1.1
Q41A	Truxton	75.90 310	P	P	04 15 58.6 -1.0
U41A	Viola	75.91 308	P	P	04 15 58.8 -1.0
KLMR	Klimovskoe	75.91 26	eP	P	04 15 57.6 -1.6
KLMR			e		04 18 47.0
KLMR			e		04 15 57.7 -1.5
KLMR			AMP		04 16 12.3
KLMR			eP		04 18 47.0 -2.6
M41A	Milan	75.92 313	P	P	04 15 59.2 -0.4
T41A	Mountain View	75.92 308	P	P	04 15 58.9 -0.9
P41A	Barry, Barry	75.92 311	P	P	04 15 58.7 -1.1
W41B	Gary Mavity, V	75.95 306	P	P	04 15 59.4 -0.6
241A	Mo Tay, Golden	75.95 303	P	P	04 15 59.3 -0.7
D41A	Chassel	75.98 319	P	P	04 15 59.6 -0.3
V41A	Mountainview	75.99 307	P	P	04 15 59.1 -1.1
N41A	Harden Midland	76.00 312	P	P	04 15 58.9 -1.2
J41A	Loganville	76.01 315	P	P	04 15 59.5 -0.6
Y41A	Eaglette Beard	76.01 305	P	P	04 15 59.4 -1.0
S41A	Jilco Farms,	76.01 309	P	P	04 15 59.7 -0.6
K41A	Shullsburg	76.03 314	P	P	04 15 59.6 -0.7
X41A	Kaden, Bauxite	76.04 306	P	P	04 15 59.7 -0.9
L41A	Preston	76.05 314	P	P	04 15 59.4 -1.0
341A	Kurthwood	76.05 302	P	P	04 16 00.2 -0.5
341A	Kurthwood	76.05 302	eP	P	04 16 01.1 +0.4

Z41A	Richland Creek	76.06 304	P	P	04 16 00.1 -0.5
JFWS	Jewell Farm	76.06 314	P	P	04 15 59.7 -0.8
H41A	Junction City	76.07 316	P	P	04 15 59.9 -0.6
I41A	Arkdale	76.08 316	P	P	04 16 00.1 -0.4
E41A	Kenton	76.08 318	P	P	04 15 60.0 -0.5
ARA0	ARCESS Array S	76.08 15	eP	P	04 15 60.3 +0.3
ARCES	ARCESS Array S	76.08 15	P	P	04 16 00.3 +0.3
X40A	Basin Creek Fa	76.30 306	P	P	04 16 01.1 -0.9
X40A	Basin Creek Fa	76.30 306	eP	P	04 16 02.5 +0.6
V40A	Witts Springs	76.53 307	P	P	04 16 02.3 -1.0
V40A	Witts Springs	76.53 307	eP	P	04 16 03.3 0.0
J40A	Soldiers Grove	76.53 315	P	P	04 16 02.3 -0.8
T40A	Manfield	76.53 308	P	P	04 15 02.5 -0.8
Q40A	Laux Farm, Aux	76.55 310	P	P	04 16 02.4 -0.9
R40A	Maddies Statio	76.56 310	P	P	04 16 02.4 -1.0
R40A	Maddies Statio	76.56 310	eP	P	04 16 03.7 +0.3
I40A	Norwalk	76.56 315	P	P	04 16 02.8 -0.5
L40A	Anamosa	76.57 313	P	P	04 16 02.1 -1.3
N40A	Mertquake, Sal	76.57 312	P	P	04 16 02.3 -1.1
H40A	Chili	76.58 316	P	P	04 16 02.7 -0.6
S40A	Lebanon	76.61 309	P	P	04 16 03.1 -0.6
W40A	Ferguson Farm,	76.61 306	P	P	04 16 02.9 -0.8
M40A	Post Highland	76.63 313	P	P	04 16 02.7 -1.1
P40A	Paris	76.64 311	P	P	04 16 02.9 -0.9
U40A	Yellville	76.65 307	P	P	04 16 02.6 -1.4
K40A	Colsbury	76.65 314	P	P	04 16 03.2 -0.6
E40A	Wakefield	76.70 318	P	P	04 16 03.3 -0.7
F40A	Park Falls	76.72 318	P	P	04 16 03.6 -0.5
MIAR	Mount Ida	76.91 306	P	P	04 16 04.5 -0.9
E39A	Mellen	77.12 318	P	P	04 16 05.3 -1.1
M39A	Webster	77.14 313	P	P	04 16 05.2 -1.4
L39A	Vinton	77.15 313	P	P	04 16 06.4 -0.2
U39A	Green Forest	77.15 307	P	P	04 16 05.7 -1.1
R39A	Chumby, Stover	77.16 309	P	P	04 16 06.2 -0.6
O39A	Kirkville	77.16 311	P	P	04 16 05.8 -1.0
P39B	Salisbury	77.17 311	P	P	04 16 06.0 -0.8
T39A	Cleaver	77.18 308	P	P	04 16 06.1 -0.8
I39A	Houston	77.19 315	P	P	04 16 06.2 -0.7
V39A	Pettigrew	77.19 307	P	P	04 16 06.0 -1.1
X39A	Oelwein	77.19 314	P	P	04 16 05.9 -0.9
W39A	Magazine	77.19 306	P	P	04 16 06.3 -0.7
W39A	Magazine	77.19 306	eP	P	04 16 07.6 +0.6
J39A	Decorah	77.20 315	P	P	04 16 05.9 -1.0
H39A	Paris	77.21 316	P	P	04 16 06.3 -0.6
Q39A	Willow Grove F	77.25 310	P	P	04 16 06.4 -0.9
N39A	Derby Farms, D	77.25 312	P	P	04 16 06.3 -1.0
F39A	Loretta	77.25 317	P	P	04 16 06.3 -0.8
S39A	Bolivar	77.26 309	P	P	04 16 06.6 -0.8
S39A	Bolivar	77.26 309	eP	P	04 16 07.1 -0.3
G39A	Holcombe	77.28 317	P	P	04 16 06.4 -0.8
X39A	Fourin Ranch	77.34 305	P	P	04 16 07.6 -0.4
NATX	Nacogdoches	77.38 303	P	P	04 16 07.6 -0.5
S38A	Stockton	77.71 309	P	P	04 16 09.7 -0.1
G38A	Ridgeland	77.72 316	P	P	04 15 09.1 -0.6
Q38A	Cooks Store, C	77.72 310	P	P	04 16 09.3 -0.6
J38A	Wedel Dairy, R	77.74 315	P	P	04 16 09.0 -1.0
P38A	Dawn	77.78 311	P	P	04 16 09.7 -0.6
P38A	Dawn	77.78 311	eP	P	04 16 10.1 -0.2
N38A	Joess South For	77.78 312	P	P	04 16 09.5 -0.7
I38A	Scanlan Farm,	77.80 315	P	P	04 16 09.8 -0.5
R38A	Fenwick Farm,	77.81 309	P	P	04 16 09.4 -1.0
K38A	Parkersburg	77.81 314	P	P	04 16 09.8 -0.6
E38A	The Farm, Brul	77.85 318	P	P	04 16 09.8 -0.7
M38A	Pleasantville	77.88 313	P	P	04 16 10.1 -0.7
T38A	Diamond	77.91 308	P	P	04 16 10.3 -0.7
F38A	Pierce - Schro	77.92 317	P	P	04 16 10.1 -0.8
H37A	Dierke Farm, C	78.33 316	P	P	04 16 12.3 -0.9
O37A	Wolven Farm, M	78.35 311	P	P	04 16 12.4 -0.9
SPMN	Marine on St.	78.38 316	P	P	04 16 13.0 -0.4
P37A	Lathrop	78.39 311	P	P	04 16 13.1 -0.6
J37A	Redenius Farm,	78.51 314	P	P	04 16 13.4 -0.8
C37A	Embarrass	78.53 319	P	P	04 16 13.8 -0.5
I37A	Lemond, Waseca	78.55 315	P	P	04 16 13.8 -0.6
I37A	Lemond, Waseca	78.55 315	eP	P	04 16 14.7 +0.3
D37A	Cotton	78.56 318	P	P	04 16 14.1 -0.3
PRGR	Permogore	78.92 26	eP	P	04 16 13.4 -2.6
PRGR			e		04 16 13.4 -2.6
TUL1	Leonard	78.92 307	P	P	04 16 16.0 -0.6
TUL1	Leonard	78.92 307	eP	P	04 16 17.0 +0.4
C36A	Pine Crest Far	78.97 319	P	P	04 16 16.2 -0.4
E36A	McGregor	78.97 318	P	P	04 16 16.0 -0.7
I36A	Fitzsimmons Fa	78.98 315	P	P	04 16 15.9 -0.8
F36A	Milata	79.02 317	P	P	04 16 16.0 -0.9
K36A	Gilmore City	79.03 314	P	P	04 16 16.5 -0.6
D36A	Goodland	79.05 318	P	P	04 16 16.3 -0.8

D36A	Goodland	79.05 318	eP	P	04 16 17.2 +0.1
J36A	Seneca 1, 3wa	79.08 314	P	P	04 16 16.6 -0.7
WSAR	Warin	79.53 66	P	P	04 16 20.1 -0.1
WSAR			LR		04 51 48.8
B35A	Bob, Littlefor	79.68 319	P	P	04 16 19.6 -0.9
B35A	Bob, Littlefor	79.68 319	eP	P	04 16 20.4 0.0
C35A	Jirik Farms, M	79.70 319	P	P	04 16 20.0 -0.7
WHTX	Lake Whitney,	79.76 302	P	P	04 16 20.9 -0.4
GEYT	Alibeck	80.73 52	P	P	04 16 26.2 -0.3
GEYT			LR		04 55 09.3
ECSB	EROS Data Cent	80.78 314	P	P	04 16 26.0 -0.6
ECSB	EROS Data Cent	80.78 314	eP	P	04 16 26.4 -0.1
A33A	Warroad	80.88 320	P	P	04 16 26.6 -0.4
G33A	Ortonville	80.90 316	P	P	04 16 26.5 -0.7
C33A	Trail	80.90 318	P	P	04 16 26.7 -0.4
833A	Chaparral WMA,	81.04 299	P	P	04 16 28.0 -0.2
833A	Chaparral WMA,	81.04 299	eP	P	04 16 29.1 +0.9
AGMN	Agassiz Nation	81.06 319	P	P	04 16 27.5 -0.5
AGMN	Agassiz Nation	81.06 319	eP	P	04 16 28.1 +0.1
WMOK	Wichita Mounta	81.19 305	P	P	04 16 28.2 -0.7
WMOK	Wichita Mounta	81.19 305	eP	P	04 16 28.9 0.0
WMOK	Wichita Mounta	81.19 305	eP	P	04 16 28.9 0.0
ULM	Lac du Bonnet	81.44 321	P	P	04 16 30.2 +0.3
ULM			LR</		

Table with columns: Code, Station Name, Az, El, Az, El, Phase ID, Time Res, Time Res, ISC, h m s, ISC. Includes stations like EL Monte City P, MWC Mount Wilson, MWC Mount Wilson, PASADENA Art C, etc.

IDC 12 04:07:13.4.0.5, 20:30S:174:07W, h0km, mb4.4/22, mb1.4/5.2/4, mb1mx4.4/49, mbtmps:4.2/4, ML4.2/2, MS3.6/1, Ms1.3/6.1, ms1mx2.9/45, Error ellipse: s-maj=18.6km s-min=13.6km az=145.0

ISCJB 12 04:07:16.5.0.3, 20:34S:0:06:174:24W, 0:06, h27km, mb4.7/49, Error ellipse: s-maj=10.5km s-min=6.0km az=139.4

NEIC 12 04:07:22.0.3.2, 20:33S:174:23W, h61km, mb4.7/32, Error ellipse: s-maj=11.3km s-min=8.6km az=159.0

ISC 12 04:07:17.9.0.5, 20:35S:0:17:4:12W, 0:10, h27km, res1, +1529/94, mb4.7/49, Tonga Islands

Table with columns: Code, Station Name, Az, El, Az, El, Phase ID, Time Res, Time Res, ISC, h m s, ISC. Includes stations like RAR Rarotonga, DZM Mont Dzumac, DZM Mont Dzumac, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, El, Az, El, Phase ID, Time Res, Time Res, ISC, h m s, ISC. Includes stations like MAW Mawson, TMOUT Trail Mountain, E9A Wood Farm, etc.

ISCJB 12 04:11:12.4.1.0, 10:77S:0:02:165:97E, 0:02, h107km, 9km, mb5.3/308, Error ellipse: s-maj=4.0km s-min=3.3km az=27.6

IDC 12 04:11:13.2.0.5, 10:74S:166:13E, h105km, 4km, mb5.1/40, mb1.5/14/3, mb1mx5.0/50, mbtmps:4.4/3, MS4.0/18, Ms1.4/0.18, ms1mx2.8/37, Error ellipse: s-maj=8.6km s-min=7.6km az=68.0

GCMT 12 04:11:16.0.0.1, 10:70S:165:79E, h102km, 1km, MW5.3/112, Moment Tensor Solution. s93c130: s112c191; Duration: 1s1 Moment tensor: Scale 1017 Nm; Mn:0.97±0.02; M00:0.52±0.03; M01:0.44±0.02; M02:0.26±0.02; M03:0.78±0.02; N1:0.29±0.02; Best double couple: M1:1.83000±0.1017 N1:0.44.00000±0.855.00000±0.787.00000±0. NP2:0.229.00000±0.835.00000±0.94.00000±0. Principal axes: T 1.0350, P1g80.0000, Azm303.0000; N 0.2260, P1g2.0000; Azm48.0000; P -1.3310, P1g10.0000; Azm136.0000; nst1 refers to body waves, cutoff=50s. nst2 refers to surface waves, cutoff=50s.

WES 12 04:11:16.9.1.1, 10:67S:165:91E, h144km, mb5.3/56, Error ellipse: s-maj=7.2km s-min=6.8km az=83.9

NEIC 12 04:11:16.0.0.7, 10:75S:165:98E, h128km, 6km, mb5.2/235, Error ellipse: s-maj=3.4km s-min=2.7km az=157.0

BUI 12 04:11:19.9.10:19S:165:98E, h159km, mb5.3/67, mb5.3/39

ISC 12 04:11:13.2.0.3, 10:77S:0:04:166:11E, 0:04, h108km, 2km, h108km, P, n834, e1935/94, mb5.3/308, 20C-5D, Santa Islands

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

Table with columns: Code, Station Name, Az, El, Az, El, Phase ID, Time Res, Time Res, ISC, h m s, ISC. Includes stations like OUZ Omahuta, QLP Oulipie, MGCD Mangrove Creek, etc.

Table with columns: Station Name, Time, Az, Phase ID, Time Res, H, m, s, ISC. Includes stations like Serra do Cume, SONSECA Array, Sonseca Array, etc.

NIED 12 04:54:00.36; 10N; 139.90E; h59km, Mw4.3 Best double couple; M3.22000; 0.19; NP1; 234.00000; 32.00000; 1.94; 0.00000; 1.27; 2.1.00000; 87.00000; 89.00000; 1.4

Table with columns: Code, Station Name, Az, Phase ID, Time Res, H, m, s, ISC. Includes stations like Yasato, Ashigaka, Ryogami san, etc.

Main table with columns: Station Name, Time, Az, Phase ID, Time Res, H, m, s, ISC. Includes stations like KS15 Wonju Array Si, KSAR Wonju Array Be, USRK Ussuriysk Ar, etc.

Main table with columns: Station Name, Time, Az, Phase ID, Time Res, H, m, s, ISC. Includes stations like KURK Kurchatov, KURKB Kurchatov Arr, PDGG Podgornoye, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kaiserville, Vina Array, KWP, BUR08, BRU04, BR101, BR102, BR103, BR104, BR105, BR106, BR107, BR108, BR109, BR110, BR111, BR112, BR113, BR114, BR115, BR116, BR117, BR118, BR119, BR120, BR121, BR122, BR123, BR124, BR125, BR126, BR127, BR128, BR129, BR130, BR131, BR132, BR133, BR134, BR135, BR136, BR137, BR138, BR139, BR140, BR141, BR142, BR143, BR144, BR145, BR146, BR147, BR148, BR149, BR150, BR151, BR152, BR153, BR154, BR155, BR156, BR157, BR158, BR159, BR160, BR161, BR162, BR163, BR164, BR165, BR166, BR167, BR168, BR169, BR170, BR171, BR172, BR173, BR174, BR175, BR176, BR177, BR178, BR179, BR180, BR181, BR182, BR183, BR184, BR185, BR186, BR187, BR188, BR189, BR190, BR191, BR192, BR193, BR194, BR195, BR196, BR197, BR198, BR199, BR200, BR201, BR202, BR203, BR204, BR205, BR206, BR207, BR208, BR209, BR210, BR211, BR212, BR213, BR214, BR215, BR216, BR217, BR218, BR219, BR220, BR221, BR222, BR223, BR224, BR225, BR226, BR227, BR228, BR229, BR230, BR231, BR232, BR233, BR234, BR235, BR236, BR237, BR238, BR239, BR240, BR241, BR242, BR243, BR244, BR245, BR246, BR247, BR248, BR249, BR250, BR251, BR252, BR253, BR254, BR255, BR256, BR257, BR258, BR259, BR260, BR261, BR262, BR263, BR264, BR265, BR266, BR267, BR268, BR269, BR270, BR271, BR272, BR273, BR274, BR275, BR276, BR277, BR278, BR279, BR280, BR281, BR282, BR283, BR284, BR285, BR286, BR287, BR288, BR289, BR290, BR291, BR292, BR293, BR294, BR295, BR296, BR297, BR298, BR299, BR300, BR301, BR302, BR303, BR304, BR305, BR306, BR307, BR308, BR309, BR310, BR311, BR312, BR313, BR314, BR315, BR316, BR317, BR318, BR319, BR320, BR321, BR322, BR323, BR324, BR325, BR326, BR327, BR328, BR329, BR330, BR331, BR332, BR333, BR334, BR335, BR336, BR337, BR338, BR339, BR340, BR341, BR342, BR343, BR344, BR345, BR346, BR347, BR348, BR349, BR350, BR351, BR352, BR353, BR354, BR355, BR356, BR357, BR358, BR359, BR360, BR361, BR362, BR363, BR364, BR365, BR366, BR367, BR368, BR369, BR370, BR371, BR372, BR373, BR374, BR375, BR376, BR377, BR378, BR379, BR380, BR381, BR382, BR383, BR384, BR385, BR386, BR387, BR388, BR389, BR390, BR391, BR392, BR393, BR394, BR395, BR396, BR397, BR398, BR399, BR400, BR401, BR402, BR403, BR404, BR405, BR406, BR407, BR408, BR409, BR410, BR411, BR412, BR413, BR414, BR415, BR416, BR417, BR418, BR419, BR420, BR421, BR422, BR423, BR424, BR425, BR426, BR427, BR428, BR429, BR430, BR431, BR432, BR433, BR434, BR435, BR436, BR437, BR438, BR439, BR440, BR441, BR442, BR443, BR444, BR445, BR446, BR447, BR448, BR449, BR450, BR451, BR452, BR453, BR454, BR455, BR456, BR457, BR458, BR459, BR460, BR461, BR462, BR463, BR464, BR465, BR466, BR467, BR468, BR469, BR470, BR471, BR472, BR473, BR474, BR475, BR476, BR477, BR478, BR479, BR480, BR481, BR482, BR483, BR484, BR485, BR486, BR487, BR488, BR489, BR490, BR491, BR492, BR493, BR494, BR495, BR496, BR497, BR498, BR499, BR500, BR501, BR502, BR503, BR504, BR505, BR506, BR507, BR508, BR509, BR510, BR511, BR512, BR513, BR514, BR515, BR516, BR517, BR518, BR519, BR520, BR521, BR522, BR523, BR524, BR525, BR526, BR527, BR528, BR529, BR530, BR531, BR532, BR533, BR534, BR535, BR536, BR537, BR538, BR539, BR540, BR541, BR542, BR543, BR544, BR545, BR546, BR547, BR548, BR549, BR550, BR551, BR552, BR553, BR554, BR555, BR556, BR557, BR558, BR559, BR560, BR561, BR562, BR563, BR564, BR565, BR566, BR567, BR568, BR569, BR570, BR571, BR572, BR573, BR574, BR575, BR576, BR577, BR578, BR579, BR580, BR581, BR582, BR583, BR584, BR585, BR586, BR587, BR588, BR589, BR590, BR591, BR592, BR593, BR594, BR595, BR596, BR597, BR598, BR599, BR600, BR601, BR602, BR603, BR604, BR605, BR606, BR607, BR608, BR609, BR610, BR611, BR612, BR613, BR614, BR615, BR616, BR617, BR618, BR619, BR620, BR621, BR622, BR623, BR624, BR625, BR626, BR627, BR628, BR629, BR630, BR631, BR632, BR633, BR634, BR635, BR636, BR637, BR638, BR639, BR640, BR641, BR642, BR643, BR644, BR645, BR646, BR647, BR648, BR649, BR650, BR651, BR652, BR653, BR654, BR655, BR656, BR657, BR658, BR659, BR660, BR661, BR662, BR663, BR664, BR665, BR666, BR667, BR668, BR669, BR670, BR671, BR672, BR673, BR674, BR675, BR676, BR677, BR678, BR679, BR680, BR681, BR682, BR683, BR684, BR685, BR686, BR687, BR688, BR689, BR690, BR691, BR692, BR693, BR694, BR695, BR696, BR697, BR698, BR699, BR700, BR701, BR702, BR703, BR704, BR705, BR706, BR707, BR708, BR709, BR710, BR711, BR712, BR713, BR714, BR715, BR716, BR717, BR718, BR719, BR720, BR721, BR722, BR723, BR724, BR725, BR726, BR727, BR728, BR729, BR730, BR731, BR732, BR733, BR734, BR735, BR736, BR737, BR738, BR739, BR740, BR741, BR742, BR743, BR744, BR745, BR746, BR747, BR748, BR749, BR750, BR751, BR752, BR753, BR754, BR755, BR756, BR757, BR758, BR759, BR760, BR761, BR762, BR763, BR764, BR765, BR766, BR767, BR768, BR769, BR770, BR771, BR772, BR773, BR774, BR775, BR776, BR777, BR778, BR779, BR780, BR781, BR782, BR783, BR784, BR785, BR786, BR787, BR788, BR789, BR790, BR791, BR792, BR793, BR794, BR795, BR796, BR797, BR798, BR799, BR800, BR801, BR802, BR803, BR804, BR805, BR806, BR807, BR808, BR809, BR810, BR811, BR812, BR813, BR814, BR815, BR816, BR817, BR818, BR819, BR820, BR821, BR822, BR823, BR824, BR825, BR826, BR827, BR828, BR829, BR830, BR831, BR832, BR833, BR834, BR835, BR836, BR837, BR838, BR839, BR840, BR841, BR842, BR843, BR844, BR845, BR846, BR847, BR848, BR849, BR850, BR851, BR852, BR853, BR854, BR855, BR856, BR857, BR858, BR859, BR860, BR861, BR862, BR863, BR864, BR865, BR866, BR867, BR868, BR869, BR870, BR871, BR872, BR873, BR874, BR875, BR876, BR877, BR878, BR879, BR880, BR881, BR882, BR883, BR884, BR885, BR886, BR887, BR888, BR889, BR890, BR891, BR892, BR893, BR894, BR895, BR896, BR897, BR898, BR899, BR900, BR901, BR902, BR903, BR904, BR905, BR906, BR907, BR908, BR909, BR910, BR911, BR912, BR913, BR914, BR915, BR916, BR917, BR918, BR919, BR920, BR921, BR922, BR923, BR924, BR925, BR926, BR927, BR928, BR929, BR930, BR931, BR932, BR933, BR934, BR935, BR936, BR937, BR938, BR939, BR940, BR941, BR942, BR943, BR944, BR945, BR946, BR947, BR948, BR949, BR950, BR951, BR952, BR953, BR954, BR955, BR956, BR957, BR958, BR959, BR960, BR961, BR962, BR963, BR964, BR965, BR966, BR967, BR968, BR969, BR970, BR971, BR972, BR973, BR974, BR975, BR976, BR977, BR978, BR979, BR980, BR981, BR982, BR983, BR984, BR985, BR986, BR987, BR988, BR989, BR990, BR991, BR992, BR993, BR994, BR995, BR996, BR997, BR998, BR999, BR1000.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CEDA, SBLS, SBLS, SNUE, RTZ, RTR, LCND, LCND, CNCH, CNCH, LLGN, LLGN, MTO3, MTO3, IXG, IXG, CNGN, CNGN, COPN, COPN, MOMM, MOMM, ESTN, ESTN, MATN, MATN.

ISCJB 12 05:05:31.1a.0.7, 14:05:01:1x73:02W:0:08, h86km, mb3.7/3, s-maj=19.1km, s-min=9.7km, s=33.1
IDC 12 05:05:32.1a.1.14:05:37:01W, h27km, 14km, mb3.5/3, mb1.4/0.9, mb1mx3.6/47, mbtmp4.1/9, MS2.8/1, ms1mx2.4/26, Error ellipse: s-maj=28.4km s-min=9.1km az=32.0

ISC 12 05:05:33.0:0.7, 14:05:01:1x72:98W:0:10, h86km, n14, s=1508/17, mb3.6/3, Central Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA, NNA, LPZA, LPZA, ATAH, ATAH, ATAH, ATAH, SIV, SIV, PTGA, PTGA, CPUP, CPUP, TXAR, TXAR, SNA, SNA, TORD, TORD, ASAR, ASAR, ZALV, ZALV, KURB, KURB, WRA, WRA, SONM, SONM.

WEL 12 05:06:56.0:0.6, 34:5:17:9W:1:1, h33km, ML4.9/49
NEIC 12 05:06:57.5:0.5, 33:79S:179:28W, h35km, mb4.2/1, Error ellipse: s-maj=15.0km s-min=13.0km az=122.0
ISC 12 05:06:58.1:0.7, 34:06S:0:07:179:9W:0:1, h50km, n92, s=172/101, mb4.1/8, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MXZ, MXZ, WNGZ, WNGZ, PKGZ, PKGZ, HAZ, HAZ, HAZ, HAZ, PUK, PUK, RUGZ, RUGZ, TWGZ, TWGZ, GLKZ, GLKZ, WHRZ, WHRZ, TKGZ, TKGZ, KUZ, KUZ, MWZ, MWZ, OPRZ, OPRZ, URZ, URZ, URZ, URZ, MARZ, MARZ, RAGZ, RAGZ, RAGZ, RAGZ, RIGZ, RIGZ, EDJR, EDJR, PRGZ, PRGZ, MKRZ, MKRZ, TARZ, TARZ, SNQZ, SNQZ, MUGZ, MUGZ, RTZ, RTZ, KAI, KAI, KOK, KOK, MHGZ, MHGZ, KNKZ, KNKZ, RAHZ, RAHZ, PRHZ, PRHZ, TOZ, TOZ, WCPZ, WCPZ, MTHZ, MTHZ, WHZ, WHZ, ALRZ, ALRZ, AWZ, AWZ, MHRZ, MHRZ, NMHZ, NMHZ, ARHZ, ARHZ, BKZ, BKZ, MCHZ, MCHZ, CKHZ, CKHZ, KWHZ, KWHZ, KATZ, KATZ, KAHZ, KAHZ, KRZV, KRZV, VWTZ, VWTZ, HIZ, HIZ, KRHZ, KRHZ, NGRZ, NGRZ, BHZ, BHZ, TWZ, TWZ, TUVZ, TUVZ, FWZ, FWZ, WHVZ, WHVZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MOVZ, MOVZ, PXZ, PXZ, TRVZ, TRVZ, PHNZ, PHNZ, PHNZ, PHNZ, WAZ, WAZ, BFZ, BFZ, MRZ, MRZ, CGWZ, CGWZ, ANWZ, ANWZ, CTA, CTA, ASAR, ASAR, WRAB, WRAB, WRA, WRA, FITZ, FITZ, RPN, RPN, MAW, MAW, SNA, SNA, SNA, SNA, VNA, VNA, VNA, VNA, KURK, KURK, KURB, KURB, KPTS, KPTS, ARCES, ARCES, FINES, FINES, NB2, NB2, HFS, HFS, BRTR, BRTR, AKAS, AKAS, TORD, TORD.

ISCJB 12 05:10:20:5:0.6, 35:70N:0:04:139:64E:0:08, h99km, 5km, mb3.8, Error ellipse: s-maj=11.1km s-min=5.5km
JMA 12 05:10:22.0:1.1, 35:71N:139:70E, h85km, 2km, M3.4, Broadband fault plane solution: P waves. NP1: s=227.00000, 870.00000, -9.960000. NP2: 64.00000, 820.00000, -74.00000. Principal axes: T P1g25.0000, Azm322.0000, N P1g6.0000, Azm229.0000, P P1g64.0000, Azm128.0000.

JMA 12 05:10:23.1:1.1, 35:62N:139:34E, h107km, 9km, mb3.1/4, s-maj=34.5km s-min=7.1km az=68.0
ISC 12 05:10:21.5:0.9, 35:70N:0:04:139:63E:0:07, h92km, 7km, n15, s=1094/26, mb3.5/4, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHU, JHU, JODJ, JODJ, JRY, JRY, JAG, JAG, JYN, JYN, JIM2, JIM2, JKT, JKT, BSO3, BSO3, MJAR, MJAR, MJAR, MJAR, MAT, MAT, JHJ, JHJ, KURB, KURB, ILAR, ILAR, FITZ, FITZ, WRA, WRA.

IDC 12 05:13:57.1:1.1, 0:39:48S:78:91E, h0km, mb3.8/8, mb1.4/0.8, mb1mx3.7/63, mbtmp3.8/8, MS3.8/16, Ms1.3/8.16, ms1mx3.4/57, Error ellipse: s-maj=38.3km s-min=21.8km az=102.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W2, H01W3, H01W1, MAW, H0BS2, H0BS1, H0BS0, H0BS0, LEM, FITZ, PSL, ASAR, VNSA, SNA, SNA, STKA, QSPA, WRA, CMAR, BRDH.

ISCJB 12 04:55:32.2:1.2, 6:6S:0:2:155:0E:0.2, h35km, mb3.9/9, Error ellipse: s-maj=41.3km s-min=16.3km az=39.8
IDC 12 04:55:46.1:1.7, 6:8S:155:04E, h151km, 65km, mb3.5/9, mb1.3/0.10, mb1mx3.4/55, mbtmp4.0/10, MS3.3/3, Ms1.3/3.3, ms1mx2.7/47, Error ellipse: s-maj=30.4km s-min=21.9km az=32.0

ISC 12 04:55:34.0:1.1, 6:6S:0:2:155:1E:0.2, h35km, n15, s=116/13, mb3.8/9, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, HNR, PMR, PMR, JAY, JAY, CTA, CTA, WRA, WRA, ASAR, ASAR, FITZ, FITZ, PETK, PETK, CMAR, CMAR, SONM, SONM, ILAR, ILAR, MKAR, MKAR, NVAR, NVAR, TORD, TORD, KOWA, KOWA.

CASC 12 04:57:39.1:1.3, 12:33N:89:06W, h28km, 3km, MD3.9, ML4.7, 3D, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LFRS, LFRS, LOMA, LOMA, COLS, COLS, SNET, SNET, SNET, SNET, UESS, UESS, OPAM, OPAM, UDBS, UDBS, UDBS, UDBS, LBRS, LBRS, UEES, UEES, LFUJ, LFUJ, BOQS, BOQS, LCV, LCV, PACA, PACA, VSM, VSM, VSM, VSM, CEDA, CEDA, CEDA, CEDA.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NTC Toucheng, WBC Santiao Chiao, TWB1 Ilan, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DPDB Guoxing, DPDB Wuyang, NSY Sanyi, etc.

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

IDC 12 08:03:33.6:1.8, 2.72N-127.13E, h0km, mb3.6/4, mb1 3.7/4, mb1mx3.4/57, mbtmp3.6/4, Error ellipse: s-maj=154.2km s-min=21.4km az=67.0, Northern Molucca Sea

IDC 12 08:11:44.3:1.2, 15.14Sx75.30W, h0km, mb3.8/3, mb1 3.7/5, mb1mx3.5/41, mbtmp3.7/5, ML3.2/2, MS2.8/4, Ms1 2.9/4, ms1mx2.7/41, Error ellipse: s-maj=37.5km s-min=16.9km az=111.0

ISCJB 12 08:11:46.7:0.9, 15.28S:0.10:75.3W:0.1, h28km, mb4.1/3, Error ellipse: s-maj=19.5km s-min=12.4km az=156.8

NEIC 12 08:11:49.3:0.6, 15.20S:75.31W, h35km, mb4.3/2, Error ellipse: s-maj=15.7km s-min=10.4km az=53.0

ISC 12 08:11:47.7:0.8, 15.19S:0.09:75.52W:0.10, h28km, n26, c174/20, mb4.1/4, Near coast of Peru

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

IDC 12 08:25:10.5:1.5, 1.17N-127.01E, h0km, mb3.4/4, mb1 3.5/4, mb1mx3.3/59, mbtmp3.4/4, Error ellipse: s-maj=152.9km s-min=23.7km az=70.0

ISCJB 12 08:25:17.7:0.9, 1.09N:0.10:126.8E:0.2, h72km, mb3.4/4, Error ellipse: s-maj=26.4km s-min=13.0km az=165.9

DJA 12 08:25:20.7:0.6, 1.15N:127.7E, h38km, 15km, M3.5/7, MLV3.5/7

ISC 12 08:25:19.3:1.1, 1.11N:0.11:126.9E:0.2, h72km, n8, c051/8, mb3.4/4, Northern Molucca Sea

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NNTI Ternate, LBMI Labuha, SANI Sanana, etc.

ASRS 12 08:30:25.6:53.59N-87.66E, M3.0, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS 07AS_22p + CD-ROM, 2014)

12d 10h

2022 JUL

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ISC 12 10:19:36.2.1.1, 44.03N, 0.07.128.59W, 0.09, h13km, n46, c186/37, mb3.4/3, MSZ 0.0/5, Off coast of Oregon

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like Drain, OR, COR Corvallis, G03D McMinville, O, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like LTIM Timbered Crate, LRDM Redding Peak, M04C Macdoel, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like A04D Lummi Island, BGU Big Grassy Mow, MBW Mount Baker, etc.

ISC/JB 12 10:39:06.6.0.2, 40.74N, 0.01, 123.74W, 0.03, h41km, 4km, mb4.0/1, Error ellipse: s-maj=3.8km s-min=1.9km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like I03D Drain, COR Corvallis, G03D McMinville, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like WAKR Walker, H04A Detroit Lake, J05D Fort Rock, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like K04D Dodson Butte, DBO Dodson Butte, UMPQ Umpqua Communi, etc.

ISC 12 10:39:06.2.2.2, 40.77N, 0.23, 123.41W, h0km, mb1 3.6/6, mb1mx3.4/69, mbmp3.4/6, ML3.3/6, Error ellipse: s-maj=25.1km s-min=9.9km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like NEIC 12 10:39:07.5.0.0, 40.75N, 123.68W, h30km, mb4.1/5, MW4.0(BRK), After NEICDC.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like WAKR Walker, H04A Detroit Lake, J05D Fort Rock, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like WAKR Walker, H04A Detroit Lake, J05D Fort Rock, etc.

NEIC Felt [III] at Blue Lake and Rio Dell; [II] at Arcata, Bayside, Burt Ranch, Eureka, Fortuna, McKinleyville, Salyer and Willow Creek. Also felt at Carlotta, Crescent City, Ferndale, Hayfork, Hoopa, Hyampom, Hydenville, Kneeland, Mount Shasta, Scotia and Trinidad.

ISC 12 10:39:07.6.0.6, 40.75N, 0.03, 123.75W, 0.04, h31km, 6km, n201, c192/213, Northern California

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like K04D Dodson Butte, DBO Dodson Butte, UMPQ Umpqua Communi, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like WAKR Walker, H04A Detroit Lake, J05D Fort Rock, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include stations like WAKR Walker, H04A Detroit Lake, J05D Fort Rock, etc.

Table with columns: SBZ, Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Shahbuz, Bingol, Ordubad, Diyarbakir, etc.

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

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

Table with columns: JHJ, Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mitsune, Hachioji jima, MSHR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like H1N2, H1N1, H1N3, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SNA4, SIV, VNA3, etc.

12d 12h

2012 JUL

Table with columns for station code, name, time, and various performance metrics. Includes stations like Chichijima, Nakatsu, Chul'man, etc.

Table with columns for station code, name, time, and various performance metrics. Includes stations like WAKE ISLAND Hy, Tiksi, Nanjing, etc.

Table with columns for station code, name, time, and various performance metrics. Includes stations like MOY Mondy, SVWZ Sparvevoh, XAN Xi'an, etc.

HDA	Harding Lake	38.19	38	eP	P	12 59 18.3	+0.7
HDA	comp=Z,7.2nm,0.6s			LR	LR		
HVS	comp=Z,9um,20.0s						
HVS	Khovu-Aksy	38.20	300	iP	P	12 59 19.9	+1.9
HVS	comp=Z,4.5nm,0.9s			MLR	MLR		
ILAR	comp=Z,2.6um,14.0s						
ILAR	Eileson Array	38.21	37	P	P	12 59 17.2	-0.5
ILAR	comp=Z,2.0nm,0.5s,baz=256,slow=7.9,SNR=194			LR	LR	13 16 35.5	
ILB	comp=Z,8um,20.1s,baz=288,slow=39						
ILB	Eileson Array	38.21	37	eP	P	12 59 17.4	-0.5
IL1	Eileson Array	38.21	37	eP	P	12 59 16.8	-1.0
GZH	Guangzhou	38.27	248	P	P	12 59 14.4	-4.3
GZH				PP	PP	13 00 44.8	-1.4
GZH				PcP	PcP	13 01 30.7	-2.0
GZH				S	S	13 05 02.4	-10
GZH	comp=Z,13um,19.0s			LR	LR		
GZH	comp=Z,11um,19.4s						
GTA	Gaotai	38.27	280	iP	P	12 59 20.1	+1.4
GTA				pP	sP	12 59 29.7	+4.8
GTA				sP	sP	12 59 33.8	+11
GTA				PP	PnPn	13 00 51.0	+3.2
GTA				S	S	13 05 11.5	-0.8
GTA				sS	ScP	13 05 25.8	+5.9
GTA				SS	SSn	13 07 49.8	-6.9
GTA	comp=Z,200nm,1.1s				pmax		
GTA	comp=Z,2um,8.7s			LR	LR		
GTA	comp=Z,13um,13.4s			LR	LR		
GTA	comp=Z,14um,14.4s			LR	LR		
KLU	Klutina	38.79	43	PFAKE	LR	12 59 30.0	+7.2
KLU	comp=Z,10um,19.0s			LR	LR		
PATS	Poinpei	38.81	170	PFAKE	LR	12 59 40.0	+17
PATS				LR	LR		
DIV	Divide	38.89	43	eP	P	12 59 24.6	+1.0
DIV	comp=Z,61nm,0.7s			LR	LR		
PAX	Paxson	38.89	40	eP	P	12 59 24.6	+1.0
PAX	comp=Z,7um,18.0s			LR	LR		
PAX	comp=Z,41nm,1.3s			LR	LR		
PAX	comp=Z,12um,20.0s			LR	LR		
PAX	comp=Z,41nm,1.3s			MLR	MLR		
FYU	Fort Yukon	38.91	35	eP	P	12 59 24.4	+0.8
FYU	comp=Z,128nm,0.9s			LR	LR		
FYU	comp=Z,6um,20.0s			LR	LR		
HARP	HAARP	39.07	41	eP	P	12 59 26.6	+1.5
HARP	comp=Z,7.7nm,1.0s			LR	LR		
HARP	comp=Z,10um,19.0s			LR	LR		
PVPC	Virac	39.37	225	eP	P	12 59 28.1	+0.1
BMRM	Bremner River	39.47	43	eP	P	12 59 29.3	+0.8
BMRM	comp=Z,61nm,0.8s			LR	LR		
BMRM	comp=Z,11um,20.0s			LR	LR		
RAGM	Ragged Mountai	39.51	44	PFAKE	LR	12 59 40.0	+11
RAGM				LR	LR		
CD2	Chengdu	39.83	266	iP	P	12 59 32.2	+0.4
CD2				pP	sP	12 59 42.3	+4.4
CD2				sP	PP	12 59 46.7	+11
CD2				PP	PP	13 01 03.9	+0.7
CD2				PcS	PcS	13 05 28.4	+0.5
CD2				S	S	13 05 34.1	-1.7
CD2	comp=Z,210nm,0.7s				pmax		
CD2	comp=Z,4um,7.4s			LR	LR		
CD2	comp=Z,16um,16.9s			LR	LR		
CD2	comp=Z,13um,13.0s			LR	LR		
CD2	comp=Z,12um,15.8s			LR	LR		
CRQM	Cirque	40.21	44	eP	P	12 59 36.3	+1.5
CRQM	comp=Z,162nm,0.8s			LR	LR		
CRQM	comp=Z,8um,20.0s			LR	LR		
TGL	Tana Glacier	40.36	44	eP	P	12 59 37.8	+1.9
TGL	comp=Z,60nm,0.8s			LR	LR		
TGL	comp=Z,9um,20.0s			LR	LR		
GYA	Guiyang	40.50	258	iP	P	12 59 37.0	-0.5
GYA				pP	sP	12 59 42.3	+5.7
GYA				PP	PnPn	13 01 16.0	+1.5
GYA				ScP	ScP	13 05 27.8	-0.9
GYA				S	S	13 05 44.2	-1.8
GYA				sS	sS	13 06 02.6	+9.3
GYA	comp=Z,90nm,0.7s				pmax		
GYA	comp=Z,180nm,5.4s			LR	LR		
GYA	comp=Z,9um,15.2s			LR	LR		
GYA	comp=Z,13um,16.2s			LR	LR		
GYA	comp=Z,19um,17.1s			LR	LR		
BALM	Baldy	40.56	43	PFAKE	LR	12 59 50.0	+12
BALM	comp=Z,8um,20.0s			LR	LR		
EGAK	Eagle	40.66	37	eP	P	12 59 37.6	-0.7
EGAK	comp=Z,87nm,0.8s			LR	LR		
EGAK	comp=Z,6um,19.0s			LR	LR		
PLP	Palo	41.06	222	iP	P	12 59 41.5	-0.5
LUBP	Lubang	41.30	230	eP	P	12 59 41.3	+2.7
DAWY	Dawson	41.50	38	eP	P	12 59 45.5	+0.3
DAWY	comp=Z,82nm,1.5s			LR	LR		
MSLP	comp=Z,8um,20.0s						
DGZ	Jazzator, Alta	42.02	222	iP	P	12 59 49.2	-0.6
DGZ	comp=Z,2um,8.7s			MLR	MLR	12 59 53.8	+0.5
ZAA1	Zalesovo Array	42.66	307	eP	P	12 59 52.9	-1.8
ZAA1	comp=Z,16nm,0.7s			ePcP	PcP	13 01 47.3	+0.9
ZAA0	Zalesovo Array	42.66	307	eP	P	12 59 53.8	-1.1
ZAA0	comp=Z,9.1nm,0.9s			LR	LR		
ZALV	Zalesovo Beam	42.66	307	P	P	12 59 52.9	-1.8
ZALV	comp=Z,7.7nm,0.7s,baz=64,slow=6.8,SNR=18			PcP	PcP	13 01 47.3	+0.9
ZALV	comp=Z,11nm,0.6s,baz=65,slow=4.4,SNR=7.5			ScP	ScP	13 05 36.0	-0.7
ZALV	comp=Z,1.1nm,0.4s,baz=131,slow=4.4,SNR=2.7			LR	LR	13 19 03.2	
JOHN	Johnston Islan	43.11	119	PFAKE	LR	13 00 10.0	+11
JOHN	comp=Z,9um,19.0s			LR	LR		
NVS	Novosibirsk	43.29	308	iP	P	12 59 58.7	-1.1
NVS				eS	S	13 01 48.9	
NVS				pmax	pmax	13 06 21.9	-4.5
NVS	comp=Z,14nm,1.1s				pmax		
NVS	comp=N,6.0nm,0.9s			smax	smax		
NVS	comp=N,9.0nm,1.7s			smax	smax		
INK	Inuvik	43.32	32	P	P	13 00 00.2	+0.4
INK	comp=E,57nm,1.0s,baz=278,slow=7.6,SNR=78			ScP	ScP	13 00 00.3	+0.6
INK	comp=E,63nm,1.0s			LR	LR		
INK	comp=Z,8um,19.0s			LR	LR		

QIZ	Qiongzong	43.44	247	P	P	13 00 03.2	+1.8
QIZ				pP	sP	13 00 10.2	+2.6
QIZ				S	S	13 06 35.0	+5.7
QIZ				sS	sS	13 06 45.7	+9.1
QIZ	comp=Z,8um,17.2s			LR	LR		
QIZ	comp=Z,9um,14.2s			LR	LR		
QIZ	comp=Z,10um,17.5s			LR	LR		
QIZ	Qiongzong	43.44	247	eP	P	13 00 01.9	+0.5
QIZ	comp=Z,30nm,1.0s			LR	LR		
ENPP	ENPP	43.84	229	eP	P	13 00 04.8	+0.2
KMI	Kunming	44.07	260	eP	P	13 00 07.0	+0.3
KMI				pP	sP	13 00 17.7	+4.9
KMI				sP	sP	13 00 21.8	+11
KMI				PP	PcP	13 01 51.6	-0.3
KMI				S	S	13 06 38.1	-0.7
KMI				sS	sS	13 06 58.8	+7.7
KMI				SS	SS	13 09 49.5	-6.5
KMI				pmax	pmax		
KMI	comp=Z,26nm,1.3s				pmax		
KMI	comp=Z,2um,7.6s			LR	LR		
KMI	comp=Z,9um,17.5s			LR	LR		
KMI	comp=Z,6um,17.0s			LR	LR		
KMI	comp=Z,13um,17.0s			LR	LR		
SKAG	Skagway	44.30	44	eP	P	13 00 09.6	+1.8
SKAG	comp=Z,29nm,1.2s			LR	LR		
SKAG	comp=Z,6um,20.0s			LR	LR		
DAV	Devau City (W)	44.40	219	iP	P	13 00 01.0	-8.1
Urumqi	Urumqi	44.56	292	eP	P	13 00 11.1	+0.9
WMQ				sP	sP	13 00 24.2	+7.8
WMQ				ScP	ScP	13 05 44.3	+0.4
WMQ				S	S	13 06 45.1	-0.2
WMQ	comp=Z,220nm,0.9s				pmax		
WMQ	comp=Z,6um,6.9s				pmax		
WMQ	comp=Z,42um,17.3s			LR	LR		
WMQ	comp=Z,23um,17.3s			LR	LR		
WMQ	comp=Z,18um,18.1s			LR	LR		
BESE	Bessie Mountai	44.78	45	eP	P	13 00 14.3	+2.5
BESE	comp=Z,69nm,1.3s			LR	LR		
ZSN	Zaisan	44.87	298	eP	P	13 00 12.7	+0.1
ZSN	comp=Z,5um,20.0s			LR	LR		
ZSN	comp=Z,1.7nm,0.8s			LR	LR	13 19 32.0	
SIT	Sitka	44.99	48	eP	P	13 00 14.8	+1.5
SIT	comp=Z,6um,19.0s			LR	LR		
SIT	comp=Z,6um,19.0s			LR	LR		
SIT	comp=Z,66nm,1.4s			MLR	MLR		
SIT	comp=Z,6um,19.0s			MLR	MLR		
JIS	Juneau Island	45.11	46	eP	P	13 00 16.5	+2.3
JIS	comp=Z,28nm,0.8s			LR	LR		
JIS	comp=Z,4um,20.0s			LR	LR		
KEKH	Kekaha	45.79	104	PFAKE	LR	13 00 30.0	+10
KEKH				LR	LR		
CRAQ	Craig	46.67	49	eP	P	13 00 28.2	+1.6
CRAQ	comp=Z,64nm,1.4s			LR	LR		
BATP	Bataraza	46.72	229	eP	P	13 00 27.6	+0.2
MK31	Makanchi Array	46.75	298	eP	P	13 00 26.9	-0.5
MK31	Makanchi Array	46.75	298	iP	P	13 00 26.9	-0.5
MK31	comp=Z,42nm,0.7s				pmax		
MK32	Makanchi Array	46.75	298	eP	P	13 00 26.9	-0.6
MK32	comp=Z,52nm,0.8s,baz=68,slow=6.6,SNR=111			ePcP	PcP	13 00 26.9	-0.6
MKAR	Makanchi Array	46.75	298	eP	P	13 02 01.6	+0.9
MKAR	comp=Z,1.1nm,0.6s,baz=59,slow=1.9,SNR=8.8			ScP	ScP	13 05 52.4	-1.3
MKAR	comp=Z,1.7nm,0.8s,baz=69,slow=4.8,SNR=3.4			LR	LR	13 21 50.8	
MKAR	comp=Z,22um,18.3s,baz=66,slow=38			LR	LR		
MKAR	Makanchi Array	46.75	298	eP	P	13 00 26.9	-0.5
MKAR	comp=Z,319nm,0.8s			PcP	PcP	13 02 01.6	+0.9
MKAR	comp=Z,2um,8.7s			PcP	PcP	13 02 01.6	+0.9
WRAP	Wrangell Islan	46.75	48	eP	P	13 00 28.9	+1.7
WRAP	comp=Z,40nm,1.2s			LR	LR		
WRAP	comp=Z,7um,19.0s			LR	LR		
MK01	Makanchi Array	46.75	298	eP	P	13 00 26.5	-0.9
MAKZ	Makanchi	46.94	298	eP	P	13 00 28.6	-0.3
MAKZ	comp=Z,33nm,0.7s			LR	LR		
MAKZ	comp=Z,25um,19.0s			LR	LR		
MAKZ	Makanchi	46.94	298	eP	P	13 00 28.6	-0.3
MAKZ	comp=Z,33nm,0.7s			pmax	pmax		
MAKZ	comp=Z,25um,19.0s			MLR	MLR		
OPA	Opana	47.16	103	PFAKE	LR	13 00 40.0	+9.1
OPA	comp=Z,6um,20.0s			LR	LR		
DLBC	Dease Lake	47.23	45	P	P	13 00 32.5	+1.4
DLBC	comp=Z,12nm,0.6s,baz=288,slow=5.7,SNR=29			P	P	13 00 33.0	+1.9
DLBC	Dease Lake	47.23	45	eP	P	13 00 33.0	+1.9
DLBC	comp=Z,89nm,1.5s			LR	LR		

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like KUU, MRSI, TARG, RES, YKWS, YKA, YKBS, ULHL, UMPA, TKM2, UTHA, TAPN, APSI, CHMS, USP, KKB, BRDH, KZA, FRU, AAK, AAK, AAK, AAK, KBS, KBS, KBS, ODAN, SPA0, SPA0, SPITS, SRDT, EKS2, JRN, GUN, SVE, SVE, SVE, RAMN, KSH, KSH, KSH, KSH, KSH, AML, PHET, KKN, PMG, PKIN, LLLB, LLLB, DMN, MNAS, GKN, PGC, SBUM, SBUM, HNR, ARU, ARU, ARU, ARU, ARU, A04D, DANN.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like NLWA, NLWA, SFK, TULEG, KK31, KK31, KK31, KKAR, KKAR, B05A, B05A, E03A, E03A, PYUN, B06A, B06A, BJO, MTKI, D05A, D05A, F04D, IUG, IUG, SPSI, PNT, PNT, C06D, KSM, KSM, G03D, LON, LON, LON, LON, COR, COR, COR, COR, LTY, LTY, STKI, B08A, B08A, KEBM, I03D, KAPI, KAPI, H04A, H04A, KNTN, KNTN, DAG, DAG, DAG, PRGR, PRGR, PRGR, KBO, KBO, G05D, E07A, E07A, SKLT, APA, APA, I04A, TRTT, KEV, KEV, KEV, KEV, C09A, C09A, HAMF, HAMF, D08A, D08A, D08A, HAWA, HAWA, G06A, G06A, F07A, F07A, F07A, I05D, HUMO.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like HUMO, AB31, AB31, ABKAR, E08A, E08A, J04D, KULLO, KULLO, KULLO, KULLO, ARAO, ARCES, ARCES, AREO, AREO, AREO, AKTO, AKTO, AKTO, JCC, JCC, KHMM, PINE, PINE, E09A, E09A, YBH, YBH, YBH, J05D, J05D, K04D, K04D, M02C, G08A, G08A, G08A, NIL, NIL, NIL, NIL, KMRM, KMRM, COEN, COEN, KULM, KULM, N02D, M04C, K05A, K05A, K05A, KTK1, I07A, I07A, KCPM, KCPM, WDC, WDC, WDC, WDC, F10A, F10A, F10A, WALA, WALA, WALA, PBA, SOEI, TRO, TRO, MYKOM, MYKOM, MOD, MOD, HOPS, HOPS, JTMT, JTMT, O03D, BMO, BMO, BMO, BMO, KLMR, KLMR, KLMR, KLMR, J08A, J08A.

BATI	Baumata	60.84	212	P	P	13 02 11.5	+0.7
BATI	comp=Z,24nm,0.6s,baz=0.0,slow=1.0,SNR=4.6						
MTN	Manton Dam	60.88	203	eP	P	13 02 11.4	+0.5
GDXM	Geysers	60.89	63	PFAKE	LR	13 02 20.0	+8.9
MCCM	Marconi Confer	61.23	64	PFAKE	LR	13 02 30.0	+1.7
ORV	Oroville	61.26	62	eP	P	13 02 14.4	+1.0
ORV	comp=Z,2um,18.0s						
WVOR	Wild Horse Val	61.28	58	eP	P	13 02 13.8	0.0
WVOR	comp=Z,3um,19.0s						
WVOR	Wild Horse Val	61.28	58	eP	P	13 02 13.8	0.0
WVOR	comp=Z,4um,20.0s						
WVOR	comp=Z,50nm,1.0s						
MSO	Missoula	61.35	51	P	P	13 02 14.8	+0.7
MSO	comp=Z,3um,20.0s						
MSO	Missoula	61.35	51	eP	P	13 02 14.2	+0.1
MSO	comp=Z,26nm,0.9s						
CHLP	Challavanieta	61.47	268	eP	IAMB	13 02 15.7	+0.6
CHLP	comp=Z,41nm,1.0s						
CHLP	comp=Z,1um,16.1s						
KBL	Kabul	61.70	292	eP	P	13 02 16.3	-0.5
KBL	comp=Z,154nm,0.9s						
KBL	Kabul	61.70	292	eP	P	13 02 16.3	-0.5
KBL	comp=Z,154nm,0.9s						
BEKR	Beckworth	61.77	61	eP	P	13 02 16.9	-0.2
BEKR	comp=Z,44nm,1.0s						
XMAS	Kiritimati	61.94	119	PFAKE	LR	13 02 30.0	+1.2
AFDM	Forest Hills D	61.95	62	eP	P	13 02 18.3	+0.1
AFDM	comp=Z,3um,19.0s						
LHMI	Lhok Sumawe	62.05	247	PFAKE	LR	13 02 30.0	+1.1
LHMI	comp=Z,8um,20.0s						
SUMG	Summit	62.13	3	eP	P	13 02 19.3	0.0
SUMG	comp=Z,247nm,0.9s						
SUMG	Summit	62.13	3	iP	S	13 02 18.9	-0.4
SUMG	comp=Z,3um,19.0s						
SUMG	Summit	62.13	3	iP	S	13 02 18.9	-0.4
SUMG	comp=Z,3um,19.0s						
MFID	Camas Ranch	62.34	55	eP	P	13 02 22.3	+1.4
MFID	comp=Z,34nm,1.0s						
STEI	Steigen	62.39	343	eP	IAMB	13 02 19.9	-0.7
STEI	comp=Z,2um,22.0s						
RUBR	Rubicon Trail	62.39	61	eP	P	13 02 22.9	+1.5
RUBR	comp=Z,50nm,0.9s						
FFC	Flin Flon	62.40	39	eP	P	13 02 20.9	0.0
FFC	comp=Z,7um,21.0s						
FFC	Flin Flon	62.40	39	eP	P	13 02 20.7	-0.2
FFC	comp=Z,70nm,1.0s						
FFC	Flin Flon	62.40	39	eP	P	13 02 20.7	-0.2
FFC	comp=Z,4um,21.0s						
FFC	Flin Flon	62.40	39	eP	P	13 02 20.7	-0.2
FFC	comp=Z,71nm,1.0s						
PAHR	Path Rah Range	62.47	60	eP	P	13 02 22.0	+0.3
PAHR	comp=Z,75nm,1.3s						
VCNR	Virginia City	62.55	61	eP	P	13 02 23.0	+0.6
VCNR	comp=Z,4um,18.0s						
LOF	Lofoten	62.56	344	eP	IAMB	13 02 21.9	+0.1
LOF	comp=Z,2um,20.0s						
HRY	Holter Researc	62.58	50	eP	P	13 02 23.4	+1.0
PSI	Prapat	62.63	244	eP	P	13 02 23.3	+0.2
PSI	comp=Z,26nm,1.0s,baz=360,slow=4.0,SNR=6.1						
PSI	Prapat	62.63	244	eP	P	13 02 23.3	+0.2
PSI	comp=Z,2um,19.6s,baz=89,slow=37						
PNTR	Pine Nut	62.71	61	eP	P	13 02 24.0	+0.5
PNTR	comp=Z,51nm,0.6s						
PNTR	Pine Nut	62.71	61	eP	P	13 02 24.0	+0.5
PNTR	comp=Z,51nm,0.6s						
LRM	Limekiln Ridge	62.78	51	eP	P	13 02 24.0	+0.1
CMB	Columbia Colle	62.87	62	eP	P	13 02 24.2	-0.1
CMB	comp=Z,26nm,0.9s						
CMB	Columbia Colle	62.87	62	eP	P	13 02 24.2	-0.1
CMB	comp=Z,2um,20.0s						
CMB	Columbia Colle	62.87	62	eP	P	13 02 24.2	-0.1
CMB	comp=Z,26nm,0.9s						
HJGM	San Juan Grade	62.87	64	eP	P	13 02 28.7	+4.4
EGMT	Eagleton	62.87	48	eP	P	13 02 24.8	+0.5
EGMT	comp=Z,3um,20.0s						
EGMT	Eagleton	62.87	48	eP	P	13 02 24.7	+0.5
EGMT	comp=Z,56nm,0.8s						
FCC	Fort Churchill	62.93	32	eP	P	13 02 24.4	+0.1
FCC	comp=Z,4um,20.0s						
FCC	Fort Churchill	62.93	32	eP	P	13 02 24.4	+0.1
FCC	comp=Z,40nm,0.6s						
FCC	Fort Churchill	62.93	32	eP	P	13 02 24.4	+0.1
FCC	comp=Z,5um,20.0s						
FCC	Fort Churchill	62.93	32	eP	P	13 02 24.4	+0.1
FCC	comp=Z,40nm,0.6s						
SAO	San Andreas Ge	62.97	64	PFAKE	LR	13 02 40.0	+1.5
SAO	comp=Z,3um,20.0s						
DLMT	Dillon	62.99	52	eP	P	13 02 25.8	+0.7
DLMT	comp=Z,66nm,1.5s						
DLMT	Dillon	62.99	52	eP	P	13 02 25.8	+0.7
DLMT	comp=Z,2um,20.0s						
YERR	Yerington	63.00	61	eP	P	13 02 25.8	+0.4
YERR	comp=Z,55nm,0.9s						
YERR	Yerington	63.00	61	eP	P	13 02 25.8	+0.4
YERR	comp=Z,55nm,0.9s						
HLID	Hailey	63.07	54	P	P	13 02 26.8	+1.0
HLID	comp=Z,3um,20.0s						
HLID	Hailey	63.07	54	eP	P	13 02 27.1	+1.3
HLID	comp=Z,34nm,1.0s						
HLID	Hailey	63.07	54	eP	P	13 02 27.1	+1.3
HLID	comp=Z,34nm,1.0s						
JMIC	Jan Mayen	63.08	353	eP	P	13 02 26.1	+0.9
LCCM	Lewis and Clar	63.09	51	eP	P	13 02 26.7	+0.9
WAKR	Walker	63.17	62	eP	P	13 02 27.1	+0.6
WAKR	comp=Z,63nm,1.2s						
WAKR	Walker	63.17	62	eP	P	13 02 27.1	+0.6
WAKR	comp=Z,63nm,1.2s						
MCMT	McKenzie Canyo	63.17	53	P	P	13 02 27.0	+0.5
BKNI	Bangkinang	63.24	240	P	P	13 02 21.1	+4.1
BKNI	comp=Z,3um,18.0s						
BKNI	Bangkinang	63.24	240	PFAKE	LR	13 02 40.0	+1.3
BKNI	comp=Z,3um,18.0s						
BMN	Battle Mountai	63.34	59	eP	P	13 02 27.6	0.0
BMN	comp=Z,71nm,1.1s						

BMN	Battle Mountai	63.34	59	eP	P	13 02 27.6	0.0
BMN	comp=Z,3um,19.0s						
BMN	Battle Mountai	63.34	59	eP	P	13 02 27.6	0.0
BMN	comp=Z,71nm,1.1s						
BOZ	Bozeman (W)	63.38	51	P	P	13 02 28.5	+0.8
BOZ	comp=Z,3um,19.0s						
BOZ	Bozeman (W)	63.38	51	eP	P	13 02 27.9	+0.2
BOZ	comp=Z,46nm,0.6s						
KVN	Kaisererville	63.66	60	eP	P	13 02 29.8	0.0
KVN	comp=Z,3um,20.0s						
KVN	Kaisererville	63.66	60	eP	P	13 02 29.8	0.0
KVN	comp=Z,39nm,0.8s						
KVN	Kaisererville	63.66	60	eP	P	13 02 29.8	0.0
KVN	comp=Z,3um,18.0s						
RYN	Ryan	63.66	61	eP	P	13 02 30.1	+0.4
RYN	comp=Z,31nm,0.8s						
RYN	Ryan	63.66	61	eP	P	13 02 30.1	+0.4
RYN	comp=Z,31nm,0.8s						
PMPB	Monarch Peak	63.72	64	PFAKE	LR	13 02 40.0	+1.0
PMPB	comp=Z,4um,20.0s						
PMPB	Monarch Peak	63.72	64	PFAKE	LR	13 02 40.0	+1.0
PMPB	comp=Z,4um,20.0s						
NV01	Mina Array Sit	63.91	61	eP	P	13 02 31.0	-0.5
NV01	comp=Z,27nm,0.6s,baz=296,slow=6.9,SNR=240						
NVAR	Mina Array Bay	63.91	61	eP	P	13 02 31.6	+0.1
NVAR	comp=Z,27nm,0.6s,baz=296,slow=6.9,SNR=240						
NVAR	Mina Array Bay	63.91	61	eP	P	13 02 31.6	+0.1
NVAR	comp=Z,27nm,0.6s,baz=296,slow=6.9,SNR=240						
MDPB	Devils Postpil	63.93	62	eP	P	13 02 32.5	+0.8
MDPB	comp=Z,2um,20.2s,baz=58,slow=33						
MDPB	Devils Postpil	63.93	62	eP	P	13 02 32.5	+0.8
MDPB	comp=Z,34nm,1.0s						
SMRI	Semarang	63.96	227	PFAKE	LR	13 02 40.0	+8.3
SMRI	comp=Z,3um,19.0s						
SMRI	Semarang	63.96	227	PFAKE	LR	13 02 40.0	+8.3
SMRI	comp=Z,3um,19.0s						
QLMT	Earthquake Lak	63.96	52	eP	P	13 02 32.8	+1.1
QLMT	comp=Z,3um,20.0s						
OMMB	Old Mammoth Hill	63.99	62	eP	P	13 02 32.6	+0.5
OMMB	comp=Z,32nm,1.3s						
OMMB	Old Mammoth Hill	63.99	62	eP	P	13 02 32.6	+0.5
OMMB	comp=Z,32nm,1.3s						
NV11	Mina Array Sit	64.00	61	eP	P	13 02 31.9	-0.1
NV11	comp=Z,3um,18.0s						
NV11	Mina Array Sit	64.00	61	eP	P	13 02 31.9	-0.1
NV11	comp=Z,3um,18.0s						
PVM	Polavaran	64.03	269	eP	IAMB	13 02 32.4	+0.2
PVM	comp=Z,3um,20.0s						
PVM	Polavaran	64.03	269	eP	IAMB	13 02 32.4	+0.2
PVM	comp=Z,3um,20.0s						
PVM	Polavaran	64.03	269	eP	IAMB	13 02 32.4	+0.2
PVM	comp=Z,62nm,0.9s						
PVM	Polavaran	64.03	269	eP	IAMB	13 02 32.	

12d 12h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like LRMCC, BW06, PD31, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like W4C4, BFSC, RRR, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like DZM, NEE2, BAR, etc.

MICGM	LRM	MLR	13 37 10.0
MNK	Minsk	69.69 329	eP P 13 03 07.0 -0.7
MNK			eS S 13 05 40.0
MNK			eS MLR 13 12 10.0 -5.7
PV03	Paradox Valley	69.71 56	eP P 13 03 08.9 +0.5
NACGM	Naroch	69.77 330	eP S 13 03 08.0 -0.2
NACGM			eS LQ 13 28 48.0 -0.6
NACGM			eLQ LR 13 34 05.0
NACGM			eLR MLR 13 38 02.0
PV13	Radium Mtn., P	69.79 56	eP P 13 03 09.5 +0.6
PV13			LR LR
PV02	Paradox Valley	69.80 56	eP P 13 03 09.6 +0.5
PV01	Paradox Valley	69.95 56	eP P 13 03 09.8 -0.1
GROC	Groznyy	70.00 312	eP P 13 03 08.1 -1.7
GROC			e 13 03 29.7
GROC			e pmax 13 05 43.1
B34A	Aery, Baudette	70.01 40	P P 13 03 09.5 -0.3
C33A	Trail	70.01 42	P P 13 03 09.9 0.0
WUAZ	Wupatki	70.03 60	eP P 13 03 10.8 +0.4
WUAZ	Wupatki	70.03 60	eP P 13 03 11.5 +1.2
WUAZ			LR LR
Y14A	Wickenburg	70.08 62	eP P 13 03 10.7 +0.1
BORG	Borgarnes	70.09 357	eP P 13 03 11.4 +1.4
BORG	Borg	70.09 357	eP P 13 03 11.4 +1.4
BORG			e pmax
BORG			MLR MLR
AKT	Akhty	70.14 309	iP P 13 03 11.8 +0.9
AKT			e pmax 13 03 29.0
AKT			e pmax
SMCO	Snowmass	70.17 54	eP P 13 03 11.6 +0.1
SMCO			LR LR
SMCO			LR LR
HYA	Hoyanger	70.21 343	eP P 13 03 10.7 0.0
HYA			IAmb 13 03 13.2
113A	Mohawk Valley	70.38 63	eP P 13 03 12.9 +0.6
113A			LR LR
EIDS	Eidsvold	70.41 181	eP P 13 03 13.9 +1.6
C34A	RKJ Ranch, Bem	70.49 41	P P 13 03 12.3 -0.5
ISCO	Idaho Springs	70.52 53	P P 13 03 14.1 +0.6
ISCO	Idaho Springs	70.52 53	eP P 13 03 13.9 +0.5
ISCO			LR LR
ISCO			e pmax
ISCO			MLR MLR
B35A	Bob, Littlefor	70.52 40	P P 13 03 12.8 -0.1
B35A	Bob, Littlefor	70.52 40	eP P 13 03 12.4 -0.5
B35A			LR LR
SUE	Sulen	70.60 344	eP P 13 03 14.0 +0.9
AS01	Alice Springs	70.60 197	eP P 13 03 13.5 +0.1
AS31	Alice Springs	70.61 197	eP P 13 03 14.9 +1.2
ASAR	Alice Springs	70.61 197	P P 13 03 14.4 +0.8
ASAR			e 13 32 23.5
MVCO	Mesa Verde	70.61 57	P P 13 03 14.4 +0.5
MVCO	Mesa Verde	70.61 57	eP P 13 03 14.5 +0.5
MVCO			LR LR
X16A	Lo Mia Camp, P	70.72 60	eP P 13 03 15.2 +0.5
X16A			LR LR
F32A	Veblen	70.73 44	P P 13 03 13.3 -0.9
KONO	Kongsberg	70.83 341	eP P 13 03 15.0 +0.4
KONO			LR LR
KONO	Kongsberg	70.83 341	eP pmax 13 03 15.0 +0.4
KONO			e pmax
KONO			MLR MLR
KONO	Kongsberg	70.83 341	eP P 13 03 14.8 +0.2
SUSD	Miller	70.84 46	P P 13 03 14.2 -0.8
C35A	Jirik Farms, M	70.89 41	P P 13 03 14.7 -0.5
NCK	Naichik	70.94 313	iP pmax 13 03 16.6 +1.0
NCK			e pmax
NCK			MLR MLR
G32A	Webster	70.98 44	P P 13 03 14.6 -1.3
G32A	Webster	70.98 44	PFAKE LR 13 03 30.0 +1.4
ASK	Askoy	71.03 343	eP P 13 03 16.8 +1.0
ASK			IAmb 13 03 17.8
KIV	Kislovodsk	71.08 314	eP P 13 03 17.3 +0.8
KIV	Kislovodsk	71.08 314	eP P 13 03 17.5 +0.9
KIV			LR LR
KIV	Kislovodsk	71.08 314	P P 13 03 17.7 +1.2
KIV	Kislovodsk	71.08 314	iP P 13 03 17.1 +0.6
KIV	Kislovodsk	71.08 314	eP P 13 03 17.3 +0.8
KIV			eS 13 12 31.7 -0.7
KIV			e pmax
KIV			e pmax
KIV			MLR MLR
BER	Bergen	71.10 343	eP P 13 03 17.0 +0.9
KBZ	Khabaz	71.13 314	P P 13 03 17.7 +1.0
KBZ			LR LR 13 39 04.9
E34A	Wadena	71.20 42	P P 13 03 15.9 -1.2
S22A	4UR Ranch, Cre	71.22 55	P P 13 03 17.7 -0.1
S22A	4UR Ranch, Cre	71.22 55	eP P 13 03 17.9 +0.1
S22A			LR LR
ODD1	Odda	71.26 342	eP P 13 03 18.3 +1.1
ZEI	Tsey	71.28 312	eP pmax 13 03 16.3 -1.6
ZEI			e pmax
W18A	Petrified Fore	71.29 59	P P 13 03 18.2 +0.2
W18A	Petrified Fore	71.29 59	eP P 13 03 19.2 +1.1

W18A	comp=Z,34nm,1.0s	LR LR
D35A	Remer	71.31 41 P P 13 03 16.7 -1.1
Q24A	Divide	71.35 53 P P 13 03 17.8 -0.7
Q24A	Divide	71.35 53 PFAKE LR 13 03 30.0 +1.1
C36A	Pine Crest Far	71.37 40 P P 13 03 18.0 -0.1
214A	Organ Pipe Nat	71.52 63 P P 13 03 19.4 +0.1
E35A	Pequot Lakes	71.53 42 P P 13 03 18.3 -0.8
G33A	Ortonville	71.55 44 P P 13 03 18.8 -0.4
H32A	Carlson Farm,	71.56 45 P P 13 03 18.5 -0.8
X18A	Snowflake	71.56 59 eP P 13 03 20.9 +1.2
X18A		LR LR
NEY	Neytrino	71.56 313d iP P 13 03 20.2 +0.6
NEY		e pmax
NEY		MLR MLR
PALK	Pallekele	71.57 262 P P 13 03 20.0 +0.2
PALK	Pallekele	71.57 262 eP P 13 03 20.0 +0.2
PALK		LR LR
PALK	Pallekele	71.57 262 P pmax 13 03 20.0 +0.2
PALK		e pmax
TBLG	Delisi	71.58 311 eP P 13 03 21.2 +1.7
D36A	Goodland	71.65 41 P P 13 03 18.6 -1.2
D36A	Goodland	71.65 41 eP P 13 03 19.4 -0.3
D36A		LR LR
C37A	Embarrass	71.68 40 P P 13 03 19.4 -0.6
F34A	Alexandria	71.68 43 P P 13 03 19.7 -0.3
OGNE	Ogallala	71.70 50 P P 13 03 19.4 -0.9
OGNE	Ogallala	71.70 50 eP P 13 03 20.7 +0.4
BL5S	Blasj	71.74 342 eP P 13 03 20.6 +0.5
SUU	Suwalki	71.75 331 eS S 13 03 18.6 -1.6
SUU		LMZ LR 13 12 37.1 -2.5
SUU		LMZ LR 13 37 49.6
SUU		eP P 13 03 20.1 -0.1
SUU		LR LR
SUU		eP P 13 03 20.1 -0.1
SUU		e pmax
SUU		MLR MLR
EYMN	Ely	71.83 39 P P 13 03 20.2 -0.7
EYMN	Ely	71.83 39 eP P 13 03 19.8 -1.1
EYMN		LR LR
G34A	Benson	71.90 43 P P 13 03 20.6 -0.8
F35A	Swanville	71.96 42 P P 13 03 20.6 -1.2
SDCO	Great Sand Dun	71.99 54 P P 13 03 22.7 +0.3
SDCO	Great Sand Dun	71.99 54 eP P 13 03 23.0 +0.6
SDCO		LR LR
D37A	Cotton	72.00 40 P P 13 03 21.0 -0.9
E36A	McGregor	72.09 41 P P 13 03 21.9 -0.5
C38A	Sawbill Land,	72.10 39 P P 13 03 21.8 -0.7
AKASG	Malin Array Be	72.16 326 P P 13 03 22.2 -0.6
AKASG		e 13 37 49.9
AKBB	Malin Array Si	72.16 326 eP P 13 03 22.1 -0.6
KIEV	Kiev	72.17 326 eP P 13 03 22.4 -0.4
KIEV	Kiev	72.17 326 eP P 13 03 22.1 -0.7
KIEV		LR LR
KIEV	Kiev	72.17 326 iP P 13 03 21.9 -0.9
KIEV		LR LR
KIEV	Kiev	72.17 326c iP pmax 13 03 22.4 -0.4
KIEV		e pmax
KIEV		MLR MLR
KMY	Karmoy	72.19 343 eP P 13 03 24.4 +1.7
AK11	Malin Array Si	72.20 326 eP P 13 03 22.5 +0.4
KLNR	Kalininrad	72.25 333i eP pmax 13 03 23.2 0.0
KLNR		e pmax
KLNR		MLR MLR
STAV	Stavanger	72.34 342 eP P 13 03 25.0 +1.3
MBWA	Marble Bar	72.35 211 eP P 13 03 25.2 +1.0
E37A	Wrenshall	72.45 41 P P 13 03 22.7 -1.9
F36A	Milaca	72.45 42 P P 13 03 24.1 -0.6
F36A	Milaca	72.45 42 eP P 13 03 24.2 -0.4
F36A		LR LR
AKH	Akhalkalaki	72.47 311 iP P 13 03 26.7 +1.7
AKH	Akhalkalaki	72.47 311 eP P 13 03 27.1 +2.0
AKH		LR LR
G35A	Watkins	72.47 43 PFAKE LR 13 03 40.0 +1.5
G35A		LR LR
ECSD	EROS Data Cent	72.52 45 P P 13 03 24.8 -0.3
ECSD	EROS Data Cent	72.52 45 eP P 13 03 24.8 -0.3
TUC	Tucson	72.55 62 P P 13 03 24.4 -1.2
TUC	Tucson	72.55 62 eP P 13 03 25.6 0.0
TUC		LR LR
TUC	Tucson	72.55 62 eP pmax 13 03 25.6 0.0
TUC		e pmax
TUC		MLR MLR
IVI	Ivigtut	72.55 10 eP P 13 03 25.2 +0.3
IVI		LR LR
SNART	Snartemo	72.56 341 eP P 13 03 26.1 +1.2
SNART		IAmb 13 03 27.4
H35A	Sunnyside Ranch	72.69 43 P P 13 03 26.0 -0.1
GNI	Garni	72.70 310 P P 13 03 27.8 +1.4
GNI		LR LR 13 40 22.1
KSCO	Kaye Shedlock	72.73 52 P P 13 03 25.2 -1.4
KSCO	Kaye Shedlock	72.73 52 eP P 13 03 26.8 +0.2
KSCO		LR LR

E38A	The Farm, Brul	72.81 40 P P 13 03 25.9 -0.8
E38A	The Farm, Brul	72.81 40 eP P 13 03 25.2 -1.5
E38A		LR LR
G36A	St. Michael	72.81 42 P P 13 03 26.4 -0.4
SOC	Sochi	72.84 315 eP P 13 03 26.6 -0.4
SOC	Sochi	72.84 315c iP P 13 03 27.1 +0.1
SOC		e'PPP sP 13 03 35.7 +2.4
SOC		e'SPP PoP 13 03 40.4 -3.7
SOC		e'SPP PPP 13 07 51.9
SOC		eS SS 13 12 53.6 +1.2
SOC		eS SS 13 17 30.6 -0.9
SOC		e pmax
SOC		MLR MLR
C40A	Isle Royale Na	72.88 38 P P 13 03 25.9 -1.2
C40A	Isle Royale Na	72.88 38 PFAKE LR 13 03 40.0 +1.3
C40A		LR LR
NRS	Narsarsuaq	72.91 9 PFAKE LR 13 03 40.0 +1.3
NRS		LR LR
F37A	Hinrichs Farm,	72.98 41 P P 13 03 26.9 -0.8
T25A	Trinidad	73.03 54 P P 13 03 28.4 -0.1
T25A	Trinidad	73.03 54 eP P 13 03 28.9 +0.3
T25A		LR LR
ANN	Anapa	73.06 317 eP P 13 03 28.0 -0.2
ANN	Anapa	73.06 317 eS S 13 03 27.9 -0.2
ANN		e pmax 13 12 56.5 +1.7
ANN		e pmax
F38A	Pierce - Schro	73.15 41 P P 13 03 28.5 -0.3
H36A	Jessenland, He	73.22 43 P P 13 03 28.6 -0.5
SPMN	Marine on St.	73.27 42 P P 13 03 28.9 -0.6
SPMN	Marine on St.	73.27 42 eP P 13 03 29.9 +0.5
SPMN		LR LR
TRD	Trivandrum	73.32 265j eP P 13 03 38.2 +8.0
LAZ	Ladron	73.34 58 eP P 13 03 31.3 +1.0
TASM	ASL Pad, Albuq	73.36 57 P P 13 03 31.0 +0.5
ANMO	Albuquerque	73.37 57 P P 13 03 31.2 +0.7
ANMO		e 13 32 36.3
ANMO		e 13 33 30.5 0.0
ANMO		eP P 13 03 31.2 +0.7
TASL	Snake Pit, Alb	73.37 57 P P 13 03 31.0 +0.5
BGNE	Belgrade	73.42 47 P P 13 03 29.7 -0.9
BGNE	Belgrade	73.42 47 PFAKE LR 13 03 40.0 +9.5
BGNE		LR LR
E39A	Mellen	73.43 40 P P 13 03 29.7 -0.8
I36A	Fitzsimmons Fa	73.59 43 P P 13 03 30.3 -1.1
LENM	Lemitar	73.60 58 eP P 13 03 32.7 +0.9
E40A	Wakefield	73.68 39 P P 13 03 30.9 -1.0
H37A	Dierke Farm, C	73.69 42 P P 13 03 31.2 -0.8
Y22D	IRIS PASCALL I	73.69 58 PFAKE LR 13 03 40.0 +7.6
Y22D		LR LR
Y22E	IRIS PASCALL I	73.69 58 P P 13 03 31.5 -0.9
G38A	Ridgeland	73.75 41 P P 13 03 31.2 -1.1
D41A	Chassel	73.79 38 P P 13 03 31.4 -1.2
D41A	Chassel	73.79 38 eP P 13 03 32.3 -0.2
D41A		LR LR
BNM	Barren Site	73.82 58 eP P 13 03 34.0 +0.8
I37A	Lemond, Waseca	73.89 43 P P 13 03 32.3 -0.9
I37A	Lemond, Waseca	73.89 43 eP P 13 03 32.8 -0.4
I37A		LR LR
H38A	Maiden Rock	73.92 42 P P 13 03 32.4 -0.9
J36A	Seneca 1, Swea	73.94 44 P P 13 03 32.7 -0.8
J36A	Seneca 1, Swea	73.94 44 eP P 13 03 33.7 +0.2
J36A		LR LR
F40A	Park Falls	73.98 40 P P 13 03 32.8 -0.9
E41A	Kenton	74.08 39 P P 13 03 33.5 -0.7
319A	Douglas	74.12 61 eP P 13 03 35.9 +1.0
319A		LR LR
121A	Cookes Peak, D	74.24 60 P P 13 03 36.0 +0.4
COWI	Conover	74.28 39 eP P 13 03 34.2 -1.2
COWI		LR LR
GKP	Gorka Klasztor	74.32 334 eP P 13 03 35.2 -0.3
GKP		eS S 13 13 09.0 +0.2
GKP		LMZ LR 13 39 53.7
GKP	Gorka Klasztor	74.32 334 eP P 13 03 35.2 -0.3
GKP		eS S 13 13 09.0 +0.2
GKP		MLR MLR
J37A	Redenius Farm,	74.34 44 P P 13 03 35.3 -0.5
BEL	Belsk	74.36 331 eP P 13 03 36.3 +0.5
BEL		eS S 13 13 10.4 +1.0
BEL		LMZ LR 13 41 17.8
BEL	Belsk	74.36 331 eP P 13 03 36.3 +0.5
BEL		eS S 13 13 10.4 +1.0
BEL		MLR MLR
I38A	Scanlan Farm,	74.38 42 P P 13 03 35.1 -0.9
H39A	Augusta	74.39 41 P P 13 03 35.3 -0.8
K36A	Gillmore City	74.40 45 P P 13 03 35.6 -0.6
G40A	Rib Lake	74.44 40 P P 13 03 35.4 -1.0
G40A	Rib Lake	74.44 40 eP P 13 03 36.0 -0.3
G40A		LR LR
G40A		LR LR
CBKS	Cedar Bluff	74.45 50 P P 13 03 35.5 -1.1
CBKS	Cedar Bluff	74.45 50 eP P 13 03 36.5 -0.1
CBKS		LR LR
CBKS	Cedar Bluff	74.45 50 eP pmax 13 03 36.5 -0.1
CBKS		e pmax
CBKS		

SIM	ePS	PnS	13 13 58.0 +13	E45A	comp=Z,6um,20.0s	75.80	37	P	P	13 03 43.3 -0.9	J43A	Natural Harves	76.71	41	P	P	13 03 48.2 -1.2
SIM	SS	SS	13 13 57.0 +0.3	E45A	Wooded Hills, baz=323	75.80	37	P	P	13 03 43.3 -0.9	P37A	Lathrop baz=321	76.72	47	P	P	13 03 47.8 -1.8
SIM	eSSS	SSS	13 21 13.0	LEOM	Leova	75.89	324	↑iP	P	13 03 45.0 +0.3	RAC	Bazborz baz=319,SNR=6.6	76.73	331	eP	P	13 03 50.3 +1.0
SIM	pmax	pmax		KSU1	Kansas State U baz=318	75.91	48	eP	P	13 03 43.0 +2.0	L41A	Preston baz=320	76.74	43	P	P	13 03 48.1 -1.5
SIM	MLR	MLR		KSU1	Kansas State U	75.91	48	PFAKE	LR	13 04 00.0 +15	K42A	Prairie Point, baz=321	76.75	41	P	P	13 03 48.7 -0.9
SORM	74.53	325	↑iP	comp=Z,5um,19.0s	75.92	46	P	P	13 03 44.7 -0.2	M40A	Pos Highland baz=320	76.77	44	P	P	13 03 48.2 -1.6	
E42A	74.56	38	P	N37A	Lee Faris, Mou baz=319	75.92	46	P	P	13 03 45.3 +0.4	O38A	Galt baz=319,SNR=5.2	76.77	46	P	P	13 03 47.7 -2.1
F41A	74.57	39	P	N37A	Lee Faris, Mou comp=Z,4.1nm,0.6s	75.92	46	eP	LR	13 03 45.3 +0.4	TRPA	Tarpa	76.82	328	↑iP	P	13 03 50.6 +0.7
F41A	74.57	39	eP	KPL	comp=Z,4um,19.0s	75.93	348	eP	IAMB	13 03 44.1 -0.5	TRPA	Tarpa	76.82	328	↑iP	P	13 03 51.3 +1.4
F41A	74.57	39	P	KPL	comp=Z,63nm,0.8s	75.93	348	eP	IAMB	13 03 49.8	LHI	Lord Howe Isla	76.82	174	PFAKE	LR	13 04 00.0 +10
MLA1	74.64	347	eP	KPL	comp=Z,2um,15.0s	75.93	45	P	P	13 03 45.1 +0.1	EAB	comp=Z,4um,20.0s	76.83	347	eP	P	13 03 49.4 -0.4
L36A	74.69	45	P	M38A	Pleasantville baz=319,SNR=5.4	75.94	289	P	P	13 03 44.7 -0.6	BMR	Absorfoyle	76.83	327	↑iP	P	13 03 49.4 -0.6
HSIG	74.69	64	PFAKE	WSAR	Wadi Sarin comp=Z,15nm,1.0s,baz=88,slow=7.8,SNR=6.4	75.94	289	P	P	13 03 44.7 -0.6	OKC	Balk Warz	76.85	331	↑iP	P	13 03 51.9 +1.3
HSIG	74.69	64	LR	WSAR	Wadi Sarin comp=Z,4um,19.5s,baz=40,slow=39	75.94	289	P	P	13 03 44.7 -0.6	OKC	Ostrava-Krasne	76.85	331	eS	AMS	13 03 36.0 -2.1
K37A	74.70	44	P	K40A	Colesburg baz=320,SNR=7.2	75.96	43	P	P	13 03 43.7 -1.4	OKC	Ostrava-Krasne	76.95	331	eP	S	13 03 51.9 +1.3
H40A	74.84	41	P	MAT0	Matagami baz=327	75.97	30	P	P	13 03 43.8 -1.2	OKC	Ostrava-Krasne	76.95	331	eP	MLR	13 03 36.0 -2.1
J38A	74.85	43	P	J41A	Loganville baz=320	75.98	41	P	P	13 03 44.0 -1.3	CFR	Carcali	76.97	323	↑iP	P	13 03 51.0 +0.2
LVV	74.87	328	eP	L39A	Vinton baz=320,SNR=18	75.98	43	P	P	13 03 44.2 -1.1	CHGO	Chibougamau baz=329	76.97	29	P	P	13 03 49.5 -1.3
LVV	74.87	328	eP	PRAR	RASCA	76.01	325	↑iP	P	13 03 45.3 -0.1	ARCX	ARCALIA	76.98	326	↑iP	P	13 03 52.4 +1.5
LVV	74.87	328	eP	OJC	Ojcow	76.06	331	eP	P	13 03 45.8 +0.2	VRI	VIRICIA	77.01	324	↑iP	P	13 03 51.2 +0.1
L39A	74.90	42	P	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	PLOR	Plostina	77.06	324	↑iP	P	13 03 51.9 +0.5
L39A	74.90	42	eP	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	LANS	LANSKaska Anna	77.08	330	↑iP	P	13 03 52.5 +1.1
L39A	74.90	42	eP	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	UPC	Upice	77.08	333	eP	P	13 03 52.0 +0.6
L39A	74.90	42	eP	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	UPC	Upice	77.08	333	eP	x	13 03 54.1
L39A	74.90	42	eP	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	UPC	Upice	77.08	333	eP	AMS	13 03 54.1
SCHO	74.94	22	P	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	UPC	Upice	77.08	333	eP	AMS	13 03 54.1
SCHO	74.94	22	P	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	UPC	Upice	77.08	333	eP	AMS	13 03 54.1
SCHO	74.94	22	P	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	UPC	Upice	77.08	333	eP	AMS	13 03 54.1
SCHO	74.94	22	P	OJC	Ojcow	76.06	331	eP	S	13 03 45.8 +0.2	UPC	Upice	77.08	333	eP	AMS	13 03 54.1
G41A	74.94	40	P	MDH	Madha	76.07	292	P	P	13 03 46.1 +0.1	UPC	Upice	77.08	333	eP	AMS	13 03 54.1
F42A	74.99	39	P	I42A	Draeger Farm, baz=321	76.09	40	eP	P	13 03 44.8 -1.0	UPC	Upice	77.08	333	eP	AMS	13 03 54.1
E43A	75.01	38	P	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	P	P	13 03 50.2 -1.5
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,0.6s	76.09	40	eP	P	13 03 45.2 -0.6	P38A	Dawn baz=319	77.11	46	eP	P	13 03 51.5 -0.2
E43A	75.01	38	eP	I42A	Draeger Farm, comp=Z,18nm,												

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ESK	comp=Z,3um,18.0s	LR	LR		
ESK	Eskdalemuir	77.47 346	eP	P	13 03 53.8 +0.4
ESK	comp=Z,65nm,1.1s		pmax		
ESK			MLR	MLR	
DOPR	comp=Z,3um,18.0s				
TLB	Dopca	77.48 325	iP	P	13 03 55.5 +1.8
L43A	Topalu	77.49 322	iP	P	13 03 54.1 +0.4
	Garden Prairie	77.49 42	P	P	13 03 51.7 -2.1
PVCC	Panska Ves	77.52 334	eP	P	13 03 56.6 +2.8
PVCC	comp=Z,8um,17.2s		AMS	AMS	13 42 00.0
PVCC	Panska Ves	77.52 334	eP	P	13 03 56.6 +2.8
BELO	comp=Z,8um,17.2s				
	Belleterre	77.55 32	P	P	13 03 53.3 -0.8
O40A	La Belle	77.57 45	P	P	13 03 52.6 -1.7
Q38A	Cooks Store, C	77.57 47	P	P	13 03 52.9 -1.4
M42A	Sheffield	77.57 43	P	P	13 03 52.7 -1.6
CJR	Cluj-Napoca	77.58 326	iP	P	13 03 55.3 +1.0
ECK	Cauldkaine Hill	77.58 346	eP	P	13 03 54.7 +0.6
P39B	Salisbury	77.61 46	P	P	13 03 54.4 -0.1
N41A	Harden Midland	77.62 44	P	P	13 03 52.6 -2.0
N41A	Harden Midland	77.62 44	eP	P	13 03 54.3 -0.2
N41A	comp=Z,54nm,1.0s		LR	LR	
MLR	Muntele Rosu	77.64 324	P	P	13 03 55.0 +0.3
MLR	comp=Z,10.0nm,0.6s		baz=27,slow=6.0,SNR=59		
MLR	Muntele Rosu	77.64 324	iP	P	13 03 55.5 +0.8
MLR	Muntele Rosu	77.64 324	eP	P	13 03 54.5 -0.2
MLR	comp=Z,54nm,0.7s		LR	LR	
ILGA	comp=Z,4um,21.0s				
ILGA	Ilgaz	77.68 317	eP	P	13 03 56.5 +1.4
ILGA	comp=Z,140nm,1.1s		LR	LR	
LTVH	comp=Z,5um,19.0s				
BHH	L'Av'rites	77.68 328	iP	P	13 03 56.9 +2.2
ISR	Howats Hill	77.69 346	iP	P	13 03 55.5 +0.9
Q39A	Istrita	77.69 324	iP	P	13 03 56.0 +1.1
YVHS	Willow Grove F	77.83 46	P	P	13 03 54.1 -1.6
YVHS	comp=Z,320,SNR=8.3				
YVHS	Yyhtne	77.86 330	eP	P	13 04 01.0 +0.2
YVHS			e	S	13 03 49.4 +1.4
YVHS	comp=Z,42nm,1.2s		pmax	pmax	
YVHS	Yyhtne	77.86 330	eP	P	13 03 56.0 +0.2
YVHS			e	S	13 04 01.0
YVHS			e	S	13 03 49.4 +1.4
DRGR			e	S	13 03 56.0 +0.1
L44A	Lake County Fo	77.86 327	iP	P	13 03 55.4 -0.5
N42A	Yates City	77.92 43	P	P	13 03 55.2 -1.0
VRAC	Vranov	77.93 332	iP	P	13 03 57.0 +0.9
VRAC	Vranov	77.93 332	iP	P	13 03 56.2 +0.1
P40A	Paris	77.93 45	P	P	13 03 54.7 -2.0
P40A	Paris	77.93 45	eP	P	13 03 55.4 -1.8
P40A	Paris	77.93 45	eP	P	13 03 55.2 -1.0
P40A	comp=Z,141nm,1.7s		LR	LR	
WMOK	comp=Z,4um,20.0s				
WMOK	Wichita Mounta	77.94 53	P	P	13 03 55.0 -1.4
WMOK	Wichita Mounta	77.94 53	eP	P	13 03 55.4 -1.1
WMOK	comp=Z,19nm,0.8s		LR	LR	
WMOK	Wichita Mounta	77.94 53	eP	P	13 03 55.4 -1.1
WMOK	comp=Z,3um,18.0s				
JAVC	Velka Javorina	77.95 331	iP	P	13 03 57.6 +1.3
PRA	Prague	77.97 333	eP	P	13 03 49.9 +0.7
PRA	Prague	77.97 333	eS	S	13 03 49.9 +0.9
PRA	comp=Z,8um,17.1s		AMS	AMS	13 42 30.0
PRA	Prague	77.97 333	eS	S	13 03 59.0 +2.7
PRA	Prague	77.97 333	eS	S	13 03 49.9 +0.9
PRA	comp=Z,8um,17.1s		MLR	MLR	
ICOR	Ion Corvin	77.97 322	iP	P	13 03 58.0 +1.6
M43A	Waltham Townsh	77.97 42	P	P	13 03 54.4 -2.1
PSZ	Piszkesteto	77.97 329	iP	P	13 03 57.3 +0.8
PSZ	Piszkesteto	77.97 329	eP	P	13 03 57.5 +1.0
PSZ	Piszkesteto	77.97 329	eP	P	13 03 57.1 +0.6
PSZ	comp=Z,45nm,0.8s		LR	LR	
GOPC	comp=Z,7um,18.0s				
GOPC	GO Pecny, Ondr	77.99 333	eP	P	13 03 57.4 +0.9
GOPC			eS	S	13 03 49.3 -0.1
GOPC	comp=Z,9um,17.5s		AMS	AMS	13 42 30.0
GOPC	GO Pecny, Ondr	77.99 333	eP	P	13 03 57.4 +0.9
GOPC			eS	S	13 03 49.3 -0.1
GOPC	comp=Z,9um,17.5s		MLR	MLR	
PRU	Pruhonice	78.00 333	eP	P	13 03 58.5 +2.0
PRU			eS	S	13 03 46.8 -2.7
PRU	comp=Z,9um,16.7s		AMS	AMS	13 42 40.0
PRU	Pruhonice	78.00 333	eP	P	13 03 58.5 +2.0
PRU			eS	S	13 03 46.8 -2.7
PRU	comp=Z,9um,16.7s		MLR	MLR	
R38A	comp=Z,9um,16.7s				
	Fenwick Farm,	78.00 47	P	P	13 03 54.4 -2.3
BB01	Bothel	78.03 345	iP	P	13 03 57.4 +0.8
VOIR	78.05 325	iP	P	P	13 03 57.8 +0.8
O41A	Passleys Farm,	78.06 44	P	P	13 03 55.7 -1.3
KESW	comp=Z,3um,18.0s				
KESW	Keeswick, Cumb	78.15 345	eP	P	13 03 57.9 +0.7
KESW	comp=Z,148nm,1.0s		IAMS_20	IAMS_20	13 47 47.0
CLGH	comp=Z,3um,17.5s				
CLGH	Cloghs, Cushen	78.17 347	eP	P	13 03 57.6 +0.3
KRUC	comp=Z,3um,17.5s				
KRUC	Moravsky	78.21 332	iP	P	13 03 57.9 +0.2
TOBO	comp=Z,3um,17.5s				
TOBO	Tobermory, Bru	78.22 35	P	P	13 03 56.9 -0.9
N43A	Stutzman Famil	78.25 43	P	P	13 03 56.9 -1.1
ARR	Arges	78.28 325	iP	P	13 03 59.7 +1.5
P41A	Barry, Barry	78.31 45	P	P	13 03 57.3 -1.1
Q40A	Laux Farm, Aux	78.33 46	P	P	13 03 57.0 -1.5
SMOL	Smolenice	78.33 331	eP	P	13 04 00.1 +1.7
SMOL			e	S	13 04 13.7
SMOL	Smolenice	78.33 331	eP	P	13 04 00.1 +1.7
SMOL			e	S	13 04 13.7
R39A	Chumby, Stover	78.35 47	P	P	13 03 57.2 -1.5
O42A	Bath	78.39 44	P	P	13 03 57.8 -1.0
S38A	Stockton	78.42 48	P	P	13 03 57.4 -1.6
NKC	Novy Kostel	78.43 335	eP	P	13 03 59.4 +0.5
NKC	Novy Kostel	78.43 335	eP	P	13 03 59.4 +0.5
M44A	Midewin, Midew	78.44 42	P	P	13 03 57.7 -1.4
M44A	Midewin, Midew	78.44 42	eP	P	13 03 59.0 0.0
M44A	comp=Z,40nm,0.8s		LR	LR	
WTSB	Winterswijk	78.45 339	iP	P	13 03 58.9 0.0
HPK	Kaverah Park	78.47 344	eP	P	13 03 59.1 +0.1

HPK	comp=Z,133nm,1.0s	IAMB	IAMB	13 04 01.5	
HPK		IAMS_20	IAMS_20	13 47 01.6	
HDIL	comp=Z,3um,15.8s				
HDIL	Hopedale	78.49 43	P	P	13 03 58.1 -1.3
HDIL	Hopedale	78.49 43	eP	P	13 03 59.7 +0.3
MODS	comp=Z,4um,19.0s		LR	LR	
MODS	Modra-Piesok	78.50 331	eP	P	13 04 00.3 +1.0
MODS	comp=Z,94nm,0.9s		pmax	pmax	
MODS	Modra-Piesok	78.50 331	eP	P	13 04 00.3 +1.0
MODS			eS	S	13 13 52.1 -2.8
MODS			e	S	13 45 35.6
LPIG	La Paz	78.51 67	LR	LR	13 34 44.2
LOT	comp=Z,2um,18.9s		baz=321,slow=33		
KLBO	Lotru	78.56 326	iP	P	13 03 59.5 -0.3
BUD	Killbear Provi	78.65 35	P	P	13 03 58.7 -1.4
T38A	Budapest	78.65 329	eP	P	13 04 01.2 +1.1
S39A	Diamond	78.67 48	P	P	13 03 59.1 -1.3
S39A	Bolivar	78.68 47	P	P	13 03 59.0 -1.5
S39A	Bolivar	78.68 47	P	P	13 03 59.0 -1.5
S39A	comp=Z,27nm,0.4s		LR	LR	
O43A	Sugar Creek Fa	78.69 43	P	P	13 03 59.4 -1.1
TUL1	Leonard	78.71 50	P	P	13 03 59.7 -1.0
TUL1	Leonard	78.71 50	P	P	13 03 59.7 -1.0
TUL1	Leonard	78.71 50	P	P	13 04 10.0 +9.3
IOMK	comp=Z,4um,20.0s		LR	LR	
IOMK	Kirk Michael	78.71 346	eP	P	13 04 00.8 +0.4
IOMK	comp=Z,50nm,0.8s		IAMB	IAMB	
IOMK			IAMS_20	IAMS_20	
IOMK			IAMS_20	IAMS_20	
IOMK			IAMS_20	IAMS_20	
P42A	Winchester	78.73 44	P	P	13 03 59.3 -1.4
P42A	Winchester	78.73 44	eP	P	13 04 00.9 +0.2
P42A	comp=Z,58nm,1.3s		LR	LR	
P42A	Winchester	78.73 44	eP	P	13 04 00.9 +0.2
BR101	comp=Z,6um,21.0s				
BR131	Keekin Array S	78.74 316	eP	P	13 04 01.6 +0.7
BR131	Keekin Array S	78.74 316	eP	P	13 04 01.8 +0.8
BR131	Keekin Array B	78.74 316	eP	P	13 04 01.6 +0.7
BRTR	comp=Z,29nm,0.8s		baz=70,slow=3.9,SNR=72		
BRTR			LR	LR	
R40A	comp=Z,6um,19.4s		baz=44,slow=40		
R40A	Maddies Statio	78.77 46	P	P	13 03 59.2 -1.8
R40A	Maddies Statio	78.77 46	eP	P	13 03 59.5 -1.4
R40A	comp=Z,32nm,0.9s		LR	LR	
Q41A	comp=Z,5um,20.0s				
M45A	Boilermakers S	78.81 41	P	P	13 04 00.4 -0.7
WIM	Isle of Man	78.84 346	eP	P	13 04 01.9 +0.8
N44A	Piper City	78.86 42	P	P	13 04 00.4 -1.0
BRD	Meriville Lake	78.87 36	P	P	13 04 01.2 -0.1
PMRO	Provaedita	78.88 322	P	P	13 04 02.0 +0.6
BUKO	Buck Lake	78.90 34	P	P	13 04 00.2 -1.3
ABTX	Abilene, Hawle	78.99 55	P	P	13 04 01.9 -0.4
ABTX	Abilene, Hawle	78.99 55	eP	P	13 04 03.0 +0.7
ABTX	comp=Z,30nm,1.1s		LR	LR	
TX31	comp=Z,3um,20.0s				
TX31	Lajitas Ar. Si	79.00 59	eP	P	13 04 01.7 -0.8
LTX	Lajitas	79.00 59	eP	P	13 04 02.5 +0.1
LTX	Lajitas	79.00 59	eP	P	13 04 02.6 +0.1
TXAR	Lajitas Array	79.00 59	P	P	13 04 02.5 +0.1
LBWR	comp=Z,24nm,0.6s		baz=302,slow=4.0,SNR=220		
LBWR	Ladybower, Pea	79.02 344	eP	P	13 04 03.0 +1.0
CSK	comp=Z,133nm,0.8s		IAMB	IAMB	
CSK	Cs'kakko	79.03 330	iP	P	13 04 03.2 +1.0
ANTO	Ankara	79.04 317	iP	P	13 04 03.8 +1.3
ANTO	Ankara	79.04 317	eP	P	13 04 02.8 +0.3
ANTO	comp=Z,85nm,0.8s		LR	LR	
ANTO	Ankara	79.04 317	P	P	13 04 03.9 +1.3
SLBS	Sierra La Lagu	79.04 68	P	P	13 04 03.7 +0.9
SLBS	comp=Z,58nm,1.3s		LR	LR	
KHC	comp=Z,3um,20.0s				
KHC	Kasperske Hory	79.06 334	eP	P	13 04 03.1 +0.7
KHC	KHC		eS	S	13 13 57.8 -3.1
KHC	KHC</				

W45A Hickory Valley baz=322	82.75	46	P	P	13 04 20.7	-1.7
141A Papa Simpson, baz=320	82.77	50	P	P	13 04 21.4	-1.1
X44A Crenshaw baz=321	82.77	47	P	P	13 04 21.0	-1.4
Z42A Norrel Spur, H baz=321	82.77	49	P	P	13 04 21.3	-1.1
V46A Holladay baz=322,SNR=5.7	82.79	45	P	P	13 04 20.5	-1.9
SIGR SIGRI 82.79 321 eP					13 04 19.9	-2.5
SIGR SIGRI 82.79 321 P					13 04 19.9	-2.5
Y43A Makyla and Ka baz=321	82.82	48	P	P	13 04 22.0	-0.6
ACCN Adirondack Com comp=Z,15nm,0.8s	82.83	32	eP	P	13 04 22.2	-0.3
ACCN comp=Z,3um,20.0s			LR	LR		
GRG Griva 82.84 324 eP					13 04 22.0	-0.7
GRG Griva 82.84 324 P					13 04 22.0	-0.7
ASF Jabal al Asfar comp=Z,29nm,0.9s,baz=6.7,slow=3.3,SNR=32	82.84 309 P				13 04 23.6	+0.6
ASF comp=Z,4um,18.4s,baz=35.3,slow=4.0			LR	LR	13 47 02.1	
PDG Podgorica 82.86 327 i/P					13 04 22.0	-0.7
TTG Podgorica 82.86 327 i/P					13 04 22.1	-0.7
TTG Podgorica 82.86 327 eP					13 04 21.4	-1.3
TTG comp=Z,8um,19.0s			LR	LR		
TTG Podgorica 82.86 327 eP					13 04 21.4	-1.3
TTG comp=Z,66nm,0.9s			MLR	MLR		
CEME Cevo 82.89 327 i/P					13 04 21.7	-1.3
BINY Binghamton 82.96 34 P					13 04 22.0	-1.3
BINY Binghamton 82.96 34 PFAKE					13 04 30.0	+6.7
R51A Hillsboro baz=324,SNR=7.5	82.97 41 P				13 04 22.6	-0.8
KRUS Krusevo 82.97 325 i/P					13 04 22.9	-0.6
U48A Cassie Pea, Po baz=323,SNR=6.3	83.00 44 P				13 04 22.7	-0.9
MMAI Mount Meron Ar 83.01 311 P					13 04 24.5	+0.7
MMAI Oxford comp=Z,72nm,0.7s,baz=54,slow=7.3,SNR=40			LR	LR	13 46 29.1	
T49A Edmonton 83.01 43 P					13 04 22.5	-1.1
T49A Edmonton 83.01 43 eP					13 04 23.7	0.0
P49 comp=Z,5um,20.0s			LR	LR		
PHP Peshkopia 83.03 325 eP					13 04 22.9	-0.8
PHP Peshkopia 83.03 325 P					13 04 22.9	-0.8
PHP Peshkopia 83.03 325 eP					13 04 22.9	-0.8
V47A Nunnely 83.06 45 P					13 04 22.5	-1.4
DRME Dracevica, Mon 83.10 327 i/P					13 04 23.3	-0.7
BUM Brajici-Budva 83.11 327 i/P					13 04 23.3	-0.9
HCY Herceg Novi 83.14 327 i/P					13 04 23.0	-1.2
OXF Oxford 83.14 47 P					13 04 22.7	-1.6
OXF Oxford comp=Z,322,SNR=6.5					13 04 24.6	+0.3
OXF comp=Z,82nm,1.1s			LR	LR		
HKT comp=Z,3um,20.0s			LR	LR		
HKT Hockley 83.16 54 eP					13 04 26.0	+1.6
PAIG Paliouri 83.16 322 eP					13 04 23.4	-0.9
PAIG Paliouri 83.16 322 P					13 04 23.4	-0.9
PAIG Paliouri 83.16 322 eP					13 04 23.4	-0.9
Y44A Strider, Charl baz=321	83.16 48 P				13 04 24.0	-0.4
W46A Michie 83.18 46 P					13 04 23.5	-1.1
241A Mo Tay, Goldon 83.21 51 P					13 04 24.2	-0.5
241A Mo Tay, Goldon 83.21 51 PFAKE					13 04 40.0	+1.5
WVL Waterville 83.21 28 eP					13 04 24.8	+0.3
X45A UM Field Stati 83.22 47 P					13 04 23.8	-0.9
ULC Ulcinj 83.27 326 i/P					13 04 24.7	-0.2
142A Monroe 83.33 50 P					13 04 24.7	-0.6
YER Yerkesik 83.36 318 eP					13 04 26.0	+0.5
YER Yerkesik 83.36 318 P					13 04 26.0	+0.5
RS2A Catlettsburg 83.36 40 P					13 04 24.1	-1.3
OHR Ohrid 83.37 325 i/P					13 04 24.7	-0.7
U49A Red Boiling Sp 83.37 43 P					13 04 23.9	-1.6
CHOS Chios island 83.38 320 P					13 04 25.5	-0.1
CHOS Chios island 83.38 320 P					13 04 25.5	-0.1
FETY Fethiye 83.38 317 eP					13 04 25.4	-0.2
FETY Fethiye 83.38 317 P					13 04 25.4	-0.2
FNA Florina 83.41 324 eP					13 04 24.6	-1.1
FNA Florina 83.41 324 eP					13 04 24.6	-1.1
FNA comp=Z,58nm,0.9s			MLR	MLR		
FNA comp=Z,10um,18.0s			MLR	MLR		
T50A Nancy 83.41 42 P					13 04 24.3	-1.5
SENI Lac Senin/Sane 83.42 336 eP					13 04 26.4	+0.5
PLAL Pickwick Lake 83.45 46 eP					13 04 25.8	-0.1
PLAL comp=Z,25nm,1.1s			LR	LR		
V48A Smith Brothers 83.48 44 P					13 04 24.5	-1.6
V48A Smith Brothers 83.48 44 eP					13 04 25.4	-0.6
V48A comp=Z,49nm,1.4s			LR	LR		
W47A Westpoint 83.48 45 P					13 04 24.7	-1.4
S51A Beattyville 83.50 41 P					13 04 24.7	-1.4
S51A Beattyville 83.50 41 eP					13 04 26.0	-0.2
S51A comp=Z,13nm,0.8s			LR	LR		
143A Socs Landing, 83.50 49 P					13 04 25.2	-1.0
143A Socs Landing, 83.50 49 PFAKE					13 04 40.0	+1.4
MCWV Mont Chateau 83.51 38 P					13 04 25.3	-0.9
MCWV Mont Chateau 83.51 38 eP					13 04 26.1	-0.1
MCWV comp=Z,6um,20.0s			LR	LR		
LIT Litokhoron 83.52 323 eP					13 04 24.9	-1.3
LIT Litokhoron 83.52 323 eP					13 04 25.7	-5.3
LIT Litokhoron 83.52 323 P					13 04 24.9	-1.3
LIT Litokhoron 83.52 323 P					13 04 24.9	-1.3
LIT comp=Z,9um,19.0s			MLR	MLR		
SSPA Standing Stone 83.52 36 P					13 04 24.6	-1.6
SSPA Standing Stone 83.52 36 eP					13 04 25.9	-0.3
SSPA comp=Z,106nm,2.0s			LR	LR		
SSPA comp=Z,3um,19.0s			LR	LR		
X46A Booneville 83.53 46 P					13 04 25.2	-1.2
O56A Blue Knob Stat 83.55 36 P					13 04 25.5	-0.9
O56A Blue Knob Stat 83.55 36 eP					13 04 26.1	-0.3

O56A comp=Z,22nm,0.8s			LR	LR		
Z44A Pea Ridge, Bel 83.57 48 P					13 04 25.6	-1.0
Y45A Yeager Farm, C 83.58 47 P					13 04 26.4	-0.2
KSPA Keystone Colle 83.59 34 PFAKE					13 04 40.0	+1.3
KSPA comp=Z,2um,21.0s			LR	LR		
242A Grayson 83.59 50 P					13 04 26.0	-0.7
341A Kurthwood 83.60 51 P					13 04 25.6	-1.2
341A Kurthwood 83.60 51 PFAKE					13 04 40.0	+1.3
341A comp=Z,4um,19.0s			LR	LR		
KZN Kozani 83.65 324 P					13 04 25.9	-1.1
KZN Kozani 83.65 324 P					13 04 25.9	-1.1
KZN Kozani 83.65 324 P					13 04 25.9	-1.1
AOS Annonissos 83.70 322 eP					13 04 26.2	-0.9
AOS Annonissos 83.70 322 P					13 04 26.2	-0.9
SS2A Salyersville 83.70 41 P					13 04 25.9	-1.3
KBN Korca 83.78 325 eP					13 04 27.0	-0.6
KBN Korca 83.78 325 P					13 04 27.0	-0.6
KBN Korca 83.78 325 eP					13 04 27.0	-0.6
EMMW East Machias 83.80 27 eP					13 04 27.3	-0.3
XOR Xorichti 83.83 322 P					13 04 26.6	-1.2
XOR Xorichti 83.83 322 P					13 04 26.6	-1.2
NEST Nestorio 83.85 324 P					13 04 27.6	-0.4
NEO Neokhorio 83.87 322 P					13 04 26.8	-1.2
NEO Neokhorio 83.87 322 P					13 04 26.8	-1.2
BODT Bodrum 83.87 318 eP					13 04 27.6	-0.5
BODT Bodrum 83.87 318 P					13 04 27.2	-0.9
SKIA Skiathos 83.89 48 P					13 04 27.4	-0.8
Z45A Winona 83.89 48 eP					13 04 29.1	+0.9
Z45A comp=Z,274nm,1.7s			LR	LR		
Z45A comp=Z,4um,19.0s			LR	LR		
W48A Pulaski 83.90 45 P					13 04 27.8	-0.5
FYTO Fytoko, Volos 83.90 323 eP					13 04 27.2	-1.0
FYTO Fytoko, Volos 83.90 323 P					13 04 27.2	-1.0
V49A McMinville 83.91 44 P					13 04 26.8	-1.4
Y46A Houston 83.92 47 P					13 04 27.4	-0.9
X47A Russelville 83.93 46 P					13 04 27.3	-1.1
NWAO Narrogin (SRO) 83.99 209 P					13 04 27.9	-0.5
NWAO comp=Z,26nm,0.7s,baz=358,slow=6.5,SNR=14			LR	LR	13 42 25.5	
NWAO comp=Z,888nm,20.3s,baz=284,slow=36			LR	LR		
342A Flagon Creek P 84.03 51 P					13 04 28.5	-0.5
342A Flagon Creek P 84.03 51 PFAKE					13 04 40.0	+1.1
342A comp=Z,5um,18.0s			LR	LR		
441A DeFelder 84.03 52 P					13 04 27.7	-1.3
144A Alexander Plac 84.08 49 P					13 04 28.1	-1.1
243A Waterproof 84.10 50 P					13 04 28.4	-0.8
KPRO Kipourio 84.11 324 P					13 04 27.2	-2.1
N59A State Game Lan 84.14 34 P					13 04 28.7	-0.7
N59A State Game Lan 84.14 34 PFAKE					13 04 40.0	+1.1
N59A comp=Z,4um,21.0s			LR	LR		
THL Klokotos Trika 84.17 323 P					13 04 27.2	-2.3
T52A Hallie 84.21 41 P					13 04 28.9	-1.0
SMIA Simia 84.23 322 P					13 04 28.7	-1.2
RAYN Ar Rayn 84.24 298 eP					13 04 30.7	+0.5
RAYN comp=Z,38nm,0.8s			LR	LR		
RAYN comp=Z,4um,20.0s			LR	LR		
RAYN Ar Rayn 84.24 298 i/P					13 04 30.7	+0.5
W49A Belvidere 84.25 44 P					13 04 29.1	-0.9
SWET Sewanee 84.33 44 eP					13 04 29.5	-1.0
SWET comp=Z,40nm,1.0s			LR	LR		
PAGS comp=Z,5um,19.0s			LR	LR		
PAGS Pennsylvania G 84.34 35 eP					13 04 30.5	+0.1
PAGS comp=Z,22nm,0.9s			LR	LR		
VBMS Vicksburg 84.35 49 P					13 04 30.4	-0.1
VBMS Vicksburg 84.35 49 PFAKE					13 04 40.0	+9.5
VBMS comp=Z,5um,18.0s			LR	LR		
HRV Adam Dzewonski 84.36 31 P					13 04 29.5	-1.0
HRV Adam Dzewonski 84.36 31 PFAKE					13 04 40.0	+1.0
HRV comp=Z,4um,21.0s			LR	LR		
145A Houston Renfro 84.36 48 P					13 04 30.0	-0.6
V50A Pikeville 84.37 43 P						

12d 12h

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like W52A, V53A, M65A, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like 250A, 250A, 448A, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like 357A, LTZ, 456A, etc.

ALMR	Almeirim	94.01 345	eP	P	13 05 16.6	+0.2
ALMR			e		13 09 02.9	
ALMR			e		13 15 48.5	
PMTG	Montargil	94.03 345	eS	SKS	13 15 53.7	+2.8
PESTR	Estremoz	94.11 344	eS	SKS	13 15 54.7	+3.3
PESTR	Estremoz	94.11 344	PFAKE	LR	13 05 30.0	+1.3
PESTR			LR			
PMAFR	Mafrá	94.34 345	eS	SKS	13 15 58.9	+6.3
061Z	Ochoppi	94.44 46	PFAKE	LR	13 05 30.0	+1.1
061Z			LR			
LIS	Lisbon	94.54 345	eP	P	13 05 19.0	+0.2
LIS			ePP	PP	13 09 07.2	+1.7
LIS			AMS	AMS	13 51 59.1	
LIS	Lisbon	94.54 345	eP	P	13 05 19.0	+0.2
ATD	Arta Tunnel	94.76 292	eP	P	13 09 07.1	
ATD			LR		13 05 21.1	+0.8
ATD			LR			
ATD			LR		13 54 13.1	
PBEJ	Beja	94.97 344	eP	P	13 05 20.5	-0.3
PNCL	Nicolau / Gran	95.02 345	eP	P	13 05 23.5	+2.5
PNCL			eP			
PNCL	Nicolau / Gran	95.02 345	eS	SKS	13 16 02.7	+6.4
RKT	Rikitea	95.17 118	eSKS	SKS	13 15 56.3	-0.7
RKT			eSKS	SKS		
RKT	Rikitea	95.17 118	ePS	PS	13 17 55.4	+0.1
RKT			ePS	PS	13 35 31.0	
RKT			ePS	PS	13 35 31.0	
MESJ	Messejana	95.22 344	eP	P	13 05 22.2	+0.2
MESJ			eP	PP	13 09 12.3	+1.5
MESJ			eS	SKS	13 15 55.2	-2.2
MESJ			AMS	AMS	13 49 34.6	
MESJ			AMS	AMS		
MESJ			AMS	AMS	13 05 22.1	+0.2
MESJ			e		13 09 12.3	
MESJ			e		13 15 55.1	
PCVE	Castro Verde	95.39 344	eP	P	13 05 23.5	+0.8
PVAQ	Vaqueiros	95.55 344	eP	P	13 05 25.9	+2.5
PVAQ			ePP	PP	13 05 16.3	+3.0
PVAQ			eS	SKS	13 16 03.1	+4.0
PVAQ			eLR	LR	13 43 42.5	
PBDV	Barranco-do-Ve	95.74 344	eS	SKS	13 16 07.1	+6.9
COIG	Comitan	95.75 60	PFAKE	LR	13 05 40.0	+1.5
COIG			LR			
MORF	Marlete	95.82 344	eP	P	13 05 25.1	+0.3
MORF			ePP	PP	13 09 17.1	+1.6
MORF			eS	SKS	13 15 55.2	-2.2
MORF			AMS	AMS	13 58 49.0	
MORF			AMS	AMS		
MORF			e		13 05 29.0	+4.2
MORF			eS	SKS	13 16 07.1	+6.4
MORF			eS	SKS	13 15 55.2	+0.3
MORF			e		13 15 58.5	
MORF			e		13 05 40.0	+1.5
BBSR	BB Station	95.84 30	PFAKE	LR	13 05 40.0	+1.5
BBSR			LR			
PFVI	Vila Bisbo	96.02 345	eS	SKS	13 16 07.0	+5.4
SFS	San Fernando	96.14 342	PFAKE	LR	13 05 40.0	+1.4
SFS			LR			
ROSA	Rosais	96.29 0	PFAKE	LR	13 05 40.0	+1.3
ROSA			LR			
CMLA	Cha da Macela	97.20 358	PFAKE	LR	13 05 40.0	+8.9
CMLA			LR			
MSEY	Mahe Island	97.72 271	PFAKE	LR	13 05 40.0	+6.3
MSEY			LR			
RTC	Rabat Centre	98.66 342	PFAKE	LR	13 05 50.0	+1.2
RTC			LR			
MDT	Midelt	99.28 340	P	Pdf	13 05 39.4	-1.2
MDT			LR			
FUR	Furi	99.44 293	PFAKE	LR	13 05 50.0	+8.2
FUR			LR			
SNET	Serv Nac Est T	99.52 60	PFAKE	LR	13 05 50.0	+8.2
SNET			LR			
PMOZ	Porto Moniz, M	101.53 351	eLR	LR	13 48 17.8	
PMOZ			LR			
GTBY	Guantanamo Bay	102.30 45	PFAKE	LR	13 06 10.0	+1.6
GTBY			LR			
MTDJ	Mount Denham	102.50 48	PFAKE	LR	13 06 10.0	+1.5
MTDJ			LR			
GRTK	Grand Turk	102.84 41	PFAKE	LR	13 06 10.0	+1.4
GRTK			LR			
ESPN	Las Esperanzas	103.64 57	PFAKE	LR	13 06 10.0	+1.0
ESPN			LR			
HDC	Heredia	105.49 58	PFAKE	LR	13 10 30.0	
HDC			LR			
TAM	Tamanrasset	105.52 328	PFAKE	LR	13 10 30.0	
TAM			LR			
SDD	Santo Domingo	106.05 41	PFAKE	LR	13 10 30.0	
SDD			LR			
MPR	Mayaguez	107.52 39	PFAKE	LR	13 10 40.0	
MPR			LR			
EMPR	Esperanza - Ma	107.55 38	PFAKE	LR	13 10 40.0	
EMPR			LR			
CRPR	Cabo Rojo, PR	107.72 39	PFAKE	LR	13 10 40.0	
CRPR			LR			
CBYP	Canovanas	108.03 38	PFAKE	LR	13 10 40.0	
CBYP			LR			
SJG	San Juan	108.04 38	PFAKE	LR	13 10 40.0	
SJG			LR			
HUMP	Col San Antoni	108.14 38	PFAKE	LR	13 10 40.0	
HUMP			LR			
ABVI	Anegada Island	108.26 36	PFAKE	LR	13 10 40.0	
ABVI			LR			
STVI	Saint Thomas	108.34 37	PFAKE	LR	13 10 40.0	
STVI			LR			
BCIP	Isla Barro Col	108.67 55	PFAKE	LR	13 10 40.0	
BCIP			LR			
SABA	Saba	109.71 36	PFAKE	LR	13 10 40.0	
SABA			LR			
PAYG	Puerto Ayora	109.80 70	PFAKE	LR	13 10 40.0	
PAYG			LR			
SEUS	St. Eustatius	109.93 35	PFAKE	LR	13 10 40.0	
SEUS			LR			
ANWB	Willy Bob	110.25 34	PFAKE	LR	13 10 40.0	
ANWB			LR			
MBAR	Mbarara	111.76 293	PFAKE	LR	13 10 50.0	
MBAR			LR			
FDV	Fort de France	113.16 35	PFAKE	LR	13 10 50.0	
FDV			LR			
HELX	Santa Helena	113.54 53	PFAKE	LR	13 10 50.0	
HELX			LR			
SDV	Santo Domingo	113.92 47	PFAKE	LR	13 10 50.0	
SDV			LR			

SVB	Belmont	114.44 36	PFAKE	LR	13 10 50.0	+1.1
SVB			LR			
RUSC	La Rusia	115.14 51	PFAKE	LR	13 10 50.0	+9.4
RUSC			LR			
TUMC	Tumaco	115.20 58	PFAKE	LR	13 10 50.0	+1.0
TUMC			LR			
GRGR	Grenville	115.29 37	PFAKE	LR	13 10 50.0	+1.0
GRGR			LR			
ROSC	El Rosal	115.33 53	PFAKE	LR	13 10 50.0	+9.1
ROSC			LR			
TOC1	Torodi Ar. Sit	115.74 327	PFAKE	LR	13 10 50.0	+8.8
TOC1			LR			
TOC2	Torodi Ar. Sit	115.75 327	PFAKE	LR	13 10 50.0	+8.8
TOC2			LR			
TOB2	Torodi Ar. Sit	115.76 327	PFAKE	LR	13 10 50.0	+8.8
TOB2			LR			
TOC7	Torodi Ar. Sit	115.76 327	PFAKE	LR	13 10 50.0	+8.8
TOC7			LR			
TOA1	Torodi Ar. Sit	115.76 327	ePKPdf	PKPdf	13 10 40.6	-0.5
TOA1			LR			
TOA2	Torodi Ar. Sit	115.76 327	PFAKE	LR	13 10 50.0	+8.8
TOA2			LR			
TOA0	Torodi Ar. Sit	115.77 327	ePKPdf	PKPdf	13 10 39.4	-1.8
TOA0			LR			
TOB5	Torodi Ar. Sit	115.77 327	PFAKE	LR	13 10 50.0	+8.8
TOB5			LR			
TOC3	Torodi Ar. Sit	115.77 327	PFAKE	LR	13 10 50.0	+8.8
TOC3			LR			
TORD	Torodi Ar. Bea	115.77 327	PKP	PKPdf	13 10 40.6	-0.6
TORD			PKP	PKPdf		
TOA3	Torodi Ar. Sit	115.77 327	PFAKE	LR	13 10 50.0	+8.8
TOA3			LR			
TOB3	Torodi Ar. Sit	115.77 327	PFAKE	LR	13 10 50.0	+8.8
TOB3			LR			
TOB4	Torodi Ar. Sit	115.78 327	PFAKE	LR	13 10 50.0	+8.8
TOB4			LR			
TOC4	Torodi Ar. Sit	115.79 327	PFAKE	LR	13 10 50.0	+8.7
TOC4			LR			
TOC5	Torodi Ar. Sit	115.79 327	PFAKE	LR	13 10 50.0	+8.7
TOC5			LR			
KOWA	Kowa	116.50 334	PFAKE	LR	13 10 50.0	+7.4
KOWA			LR			
OTAV	Otavalo	116.62 59	PFAKE	LR	13 11 00.0	+1.7
OTAV			LR			
VNDA	Vanda	122.78 177	PKP	PKPdf	13 10 52.0	-0.7
VNDA			PKP	PKPdf		
SBA	Scott Base	123.30 176	ePKP	PKPdf	13 10 53.8	+0.1
SBA			ePKP	PKPdf		
DBIC	Dimbokro	124.11 332	PKP	PKPdf	13 10 54.9	-2.3
DBIC			PKP	PKPdf		
LSZ	Lusaka	124.19 284	PFAKE	LR	13 11 10.0	+1.3
LSZ			LR			
TIC	Toumoudi	124.19 332	ePKP1	PKPdf	13 11 09.3	+1.2
KIC	Kosan Boka	124.36 331	ePKP1	PKPdf	13 11 09.7	+1.2
KIC			ePKP1	PKPdf		
LIC	Lamto	124.59 332	ePKP1	PKPdf	13 11 10.2	+1.2
LIC			ePKP1	PKPdf		
NNA	Nana	127.05 67	PFAKE	LR	13 11 10.0	+7.2
NNA			LR			
PTGA	Pitinga	127.48 42	PKP	PKPdf	13 11 02.7	-1.1
PTGA			PKP	PKPdf		
PTGA	Pitinga	127.48 42	PKP	PKPdf	13 11 02.7	-1.1
PTGA			PKP	PKPdf		
MAW	Mawson	130.54 210	PKP	PKPdf	13 11 08.0	+0.3
MAW			PKP	PKPdf		
SAML	Samuel	132.88 51	PFAKE	LR	13 11 30.0	+1.6
SAML			LR			
TSUM	Tsumeb	134.12 289	PFAKE	LR	13 11 30.0	+1.4
TSUM			LR			
BOSA	Bosha	134.96 273	PKP	PKPdf	13 11 17.9	+0.3
BOSA			PKP	PKPdf		
QSPA	South Pole Qui	135.11 180	PKHNP	PKPpre	13 11 05.5	
QSPA			PKHNP	PKPpre		
QSPA	South Pole Qui	135.11 180	ePKP	PKPdf	13 11 16.5	0.0
QSPA			ePKP	PKPdf		
QSPA	South Pole Qui	135.11 180	ePKP	PKPdf	13 11 17.7	-0.3
QSPA			ePKP	PKPdf		
LPZA	La Paz	135.81 62	PKP	PKPdf	13 11 19.4	-0.7
LPZA			PKP	PKPdf		
LNMC	Minye Minye	137.00 66	PFAKE	LR	13 11 20.0	-0.1
LNMC			LR			
PNB1	IPOC Station P	137.41 67	PFAKE	LR	13 11 30.0	+7.6
PNB1			LR			
PB01	IPOC Station P	138.44 68	PFAKE	LR	13 11 40.0	+1.6
PB01			LR			
PB04	IPOC Station P	138.91 70	PFAKE	LR	13 11 40.0	+1.5
PB04			LR			
SYO	Syowa Base	139.25 211	eP	PKPdf	13 11 26.0	+2.0
SYO			eP	PKPdf		
SYO	Syowa Base	139.25 211	eP	PKPdf	13 11 32.0	+8.0
SYO			eP	PKPdf		
RCBR	Riachuelo	140.04 12	PFAKE	LR	13 11 40.0	+1.3
RCBR			LR			
GO02	Mina Guanaco	141.21 73	PFAKE	LR	13 11 40.0	+1.1
GO02			LR			
GO03	Copiap	142.35 76	PFAKE	LR	13 11 40.0	+9.0
GO03			LR			
LOO	Las Campanas	142.91 79	PFAKE	LR	13 11 40.0	+7.8
LOO			LR			
VCA	Vinchina	144.46 76	eP	PKPbc	13 11 34.0	+0.6
VCA			eP	PKPbc		
AROD						

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

Code Station Name Az Az' Phase ID Time Res
NNA Nana 3.55 339 Pn Pn 13 12 27.3 +0.3

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

MEX 12 13:15:28.3-0.3, 15.98N-98.33W, h8km, 3km, MD3.6, Off coast of Guerrero

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

TLIG i S Sn 13 16 12.6 -5.1
SOME 12 14:00:31.0, 0.37:12N:70:97E, h0km, MS5.5
MOS 12 14:00:32.8, 0.9, 36:54N:70:91E, h191km, mb6.0/65, MS4.9/21, Error ellipse: s-maj=4.4km s-min=3.1km az=123.4

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

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

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

Table with columns for call sign, frequency, power, and other technical details. Includes stations like AKSY, KIZK, SERE, KMI, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like HHC, GYA, Dhamar, UMPA, DAMY, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like MLR, SMG, PHET, URLA, ALN, etc.

CKFL	Kef-Lekhel	50.70 290	P	P	14 09 13.8	0.0
CASM	Ain Smara	50.92 290	P	P	14 09 15.7	+0.3
SJMP	San Jose	50.93 105	eP	P	14 09 16.3	+0.7
SBUM	Sibu	50.95 122	eP	P	14 09 15.6	-0.5
comp-Z,261nm,1.1s						
CTEI	Djebel Teioual	51.09 290	P	P	14 09 17.1	+0.6
HMXN	Herstmonceux	51.07 310	eP	P	14 09 16.5	+0.4
DFRA	Djebel Bou Aff	51.28 291	P	P	14 09 18.5	+0.3
MDSI	Maura Dua	51.30 135	P	P	14 09 15.1	-3.2
KKM	Kota Kinabalu	51.31 115	eP	P	14 09 19.5	+0.9
comp-Z,266nm,1.1s						
DRUM	Mains of Drum	51.55 318f	eP	P	14 09 19.9	+0.3
DRUM			I Amb	I Amb	14 09 21.2	
comp-Z,199nm,0.8s						
HPK	Havrah Park	51.60 314f	eP	P	14 09 20.4	+0.2
HPK			I Amb	I Amb	14 09 22.1	
comp-Z,311nm,0.7s						
EDMD	Edmundbyers	51.63 315f	eP	P	14 09 20.4	+0.1
EDMD			I Amb	I Amb	14 09 21.9	
comp-Z,274nm,0.7s						
CWF	Charmwood Fore	51.67 312f	eP	P	14 09 20.4	-0.2
CWF			I Amb	I Amb	14 09 21.6	
comp-Z,118nm,1.3s						
LWLI	Liwa	51.67 136	P	P	14 09 18.8	-2.4
MMEI	Mekle Cairn	51.73 318f	eP	P	14 09 20.9	-0.2
CKHR	Kef el Ahmar	51.75 290	eP	P	14 09 22.1	+0.5
SET	Setif	51.77 290	P	P	14 09 23.0	+1.3
LBWR	Ladybower, Pea	51.78 313f	eP	P	14 09 21.4	-0.1
LBWR			I Amb	I Amb	14 09 23.2	
comp-Z,113nm,0.8s						
MLA1	Lathero	51.78 320f	eP	P	14 09 21.3	0.0
ESY	Stoneypath	51.79 317f	eP	P	14 09 21.5	0.0
CUYO	Cuyo Island	51.83 106	eP	P	14 09 23.3	+2.0
TYV	Tymovskoe	51.84 50	eP	P	14 09 23.3	+1.7
TYV			e	P	14 10 07.4	
comp-Z,21um,10.2s						
MCD	Coleburn Disti	51.84 319f	eP	P	14 09 22.2	+0.4
EDU	Dundee	51.90 317	eP	P	14 09 22.5	+0.2
KLU	Kotabumi	51.99 135	P	P	14 09 21.0	-2.4
BIGH	Upper Bighouse	52.03 320f	eP	P	14 09 23.5	+0.3
BIGH			I Amb	I Amb	14 09 25.0	
comp-Z,843nm,1.0s						
EDI	Edinburgh	52.11 317f	eP	P	14 09 24.0	+0.2
EDI			I Amb	I Amb	14 09 25.7	
comp-Z,237nm,0.8s						
PLNC	Stoke	52.12 313f	eP	P	14 09 24.4	+0.4
STNC			I Amb	I Amb	14 09 25.6	
comp-Z,183nm,0.9s						
EKA	Eskdalemuir Ar	52.21 316	P	P	14 09 23.9	-0.6
EKA			P	P	14 10 08.7	+0.3
comp-Z,192nm,0.9s,baz=88,slow=7.8,SNR=160						
EKA			pP	pP	14 10 08.7	+0.3
comp-Z,121nm,1.0s,baz=74,slow=7.7,SNR=4.8						
EKA			P	P	14 10 34.7	+1.4
comp-Z,28nm,0.6s,baz=86,slow=5.4,SNR=4.8						
EKA			ScP	ScP	14 14 12.1	+0.7
comp-Z,14nm,0.9s,baz=96,slow=5.1,SNR=4.5						
EKA			PKIKP	PKIKP	14 17 01.2	-1.1
comp-Z,11nm,0.9s,baz=88,slow=8.4,SNR=5.6						
EKA			LR	LR	14 34 27.8	
comp-Z,691nm,18.2s,baz=70,slow=39						
EKA	Eskdalemuir Ar	52.21 316	P	P	14 09 23.9	-0.6
EKA			*PP	*PP	14 10 08.7	+0.3
EKA			pP	pP	14 10 08.7	+0.3
comp-Z,194nm,0.9s						
ECK	Cauldkaire Hill	52.22 316f	eP	P	14 09 24.6	0.0
ESK	Eskdalemuir	52.24 316	eP	P	14 09 25.4	+0.7
ESK			LR	LR		
ESK	Eskdalemuir	52.24 316	eP	P	14 09 25.4	+0.7
ESK			pmax	pmax		
comp-Z,269nm,1.1s						
ESK			MLR	MLR		
comp-Z,1um,21.0s						
STKI	Sintang	52.24 125	P	P	14 09 26.6	+1.3
KESW	Keawick, Cumbr	52.33 315f	eP	P	14 09 25.8	+0.4
KESW			I Amb	I Amb	14 09 27.2	
comp-Z,242nm,0.9s						
KASI	Kota Agung	52.33 136	P	P	14 09 23.2	-2.7
BBO1	Bothel	52.35 315f	eP	P	14 09 26.2	+0.2
STRD	Stroud	52.39 311f	eP	P	14 09 25.7	-0.3
MBAR	Mbarara	52.43 234	eP	P	14 09 27.6	+0.7
MBAR			LR	LR		
MBAR			P	P	14 09 27.6	+0.7
MBAR			pmax	pmax		
comp-Z,268nm,0.8s						
MBAR			MLR	MLR		
comp-Z,759nm,19.0s						
MDO	Doerflinger	52.46 319	eP	P	14 09 26.5	+0.1
INGV	Invergeidie, C	52.48 317f	eP	P	14 09 26.6	+0.1
INGV			I Amb	I Amb	14 09 28.3	
comp-Z,191nm,1.0s						
JMIC	Jan Mayen	52.53 336	eP	P	14 09 28.7	+2.0
JMIC			I Amb	I Amb	14 09 29.8	
comp-Z,232nm,0.8s						
KIBA	Kibaya	52.53 225	iP	P	14 09 28.5	+0.8
BLSI	Bandar Lampung	52.62 135	P	P	14 09 25.5	-2.6
PVCP	Virac	52.65 101	eP	P	14 09 28.4	+0.1
HLM1	Long Mynd	52.65 312f	eP	P	14 09 28.1	+0.2
HLM1			I Amb	I Amb	14 09 29.3	
comp-Z,127nm,1.1s						
KOND	Kondoa	52.66 226	iP	P	14 09 29.7	+1.1
EAB	Aberfoyle	52.69 317f	eP	P	14 09 28.0	-0.1
ROEL	Roxas	52.74 104f	eP	P	14 09 30.2	+1.2
FOEL	Foel Wyfla	52.76 313f	eP	P	14 09 28.9	+0.2
FOEL			I Amb	I Amb	14 09 30.3	
comp-Z,164nm,1.1s						
MONM	Monmouth	52.77 312	eP	P	14 09 28.4	-0.3
MONM			I Amb	I Amb	14 09 29.9	
comp-Z,176nm,0.9s						
HGH	Michaelchurch	52.81 311	eP	P	14 09 28.9	-0.2
MCH1	Michaelchurch	52.84 312f	eP	P	14 09 29.2	-0.1
MCH1			I Amb	I Amb	14 09 31.1	
comp-Z,261nm,0.8s						
PGBU	Glenifferbraes	52.85 317f	eP	P	14 09 29.6	+0.4
PGBU			I Amb	I Amb	14 09 30.9	
comp-Z,312nm,1.0s						
YSS	Yuzh-Sakhalins	52.90 55	eP	P	14 09 30.7	+0.9
YSS			e	P	14 10 14.6	
YSS			eS	P	14 10 37.2	
YSS			pmax	pmax	14 16 40.5	-2.7
comp-Z,70nm,1.2s						
AKET	Djebel Ketaf	52.97 291	P	P	14 09 31.1	+0.5
LLW	Llanuwchllyn	53.04 313	eP	P	14 09 30.9	+0.3
MJB9	Matsu-Tunnel	53.04 68	eP	P	14 09 32.1	+1.1
MAJO	Matsushiro	53.04 68	eP	P	14 09 31.2	+0.2
MAJO			LR	LR		
MAJO			P	P	14 09 31.4	+0.4
MAJO			pmax	pmax		
comp-Z,46nm,1.4s						
MAT	Matsushiro	53.04 68	P	P	14 09 30.1	-0.9
MAT			S	S	14 16 34.8	-1.1
MJAR	Matsushiro Arr	53.05 68	P	P	14 09 30.1	-0.9
MJAR			pP	pP	14 10 16.0	+0.9
comp-Z,69nm,0.9s,baz=288,slow=10.0,SNR=22						
MJAR			ScP	ScP	14 14 14.0	-1.4
comp-Z,16nm,1.0s,baz=286,slow=5.8,SNR=6.3						
MJAR			PKIKP	PKIKP	14 17 14.0	+0.1
comp-Z,4.3nm,0.9s,baz=290,slow=8.4,SNR=4.1						
WPM1	Penmaenmawr	53.08 314f	iP	P	14 09 31.2	+0.2
GAL1	Galloway	53.18 316f	eP	P	14 09 31.6	0.0
GAL1			I Amb	I Amb	14 09 33.2	
comp-Z,78nm,1.0s						
GUMI	Jordan	53.19 105	eP	P	14 09 31.3	-1.0
IOMK	Kirk Michael	53.23 315f	eP	P	14 09 32.4	+0.3
IOMK			I Amb	I Amb	14 09 33.8	
comp-Z,282nm,1.0s						
ADJ	Djebel Djouab	53.26 291	P	P	14 09 32.5	-0.2
YLI	Llanberis	53.27 313f	eP	P	14 09 32.6	+0.3
WME	Myndd Eilian	53.28 314f	iP	P	14 09 32.4	-0.1
WIM	Isle of Man	53.32 315f	eP	P	14 09 32.7	0.0
ABA	Alger-Bouzarea	53.32 292	P	P	14 09 32.0	-1.0
WLF1	Llynfaes	53.36 314f	eP	P	14 09 33.0	0.0
WLF1			I Amb	I Amb	14 09 34.5	

WPS	Cemaes, Angles	53.40 314f	eP	P	14 09 33.3	0.0
WPS			I Amb	I Amb	14 09 34.7	
comp-Z,136nm,1.2s						
YRC	Rhosolyn	53.48 314f	eP	P	14 09 34.0	+0.2
YRC			P	P	14 09 36.9	+1.8
YRC			P	P	14 09 34.5	-0.4
YRC			P	P	14 09 35.8	+0.6
comp-Z,9.5nm,0.5s,baz=263,slow=8.1,SNR=9.9						
CNP	Catmaran	53.68 102	eP	P	14 09 39.0	+3.2
CLGH	Cibinong	53.90 135	eP	P	14 09 37.2	+0.2
CLGH	Cloghs, Cushen	53.91 316f	eP	P	14 09 38.4	
CLGH			I Amb	I Amb	14 09 38.4	
comp-Z,175nm,1.1s						
HTL	Harland	54.00 311	eP	P	14 09 37.3	-0.3
HTL			I Amb	I Amb	14 09 39.8	
comp-Z,40nm,0.5s						
GMM	Mts of Mourne	54.03 315f	eP	P	14 09 37.6	-0.2
COCO	West Island	54.27 148	eP	P	14 09 42.5	+2.5
COCO			P	P	14 09 43.4	+3.4
COCO			P	P	14 09 41.1	+0.5
comp-Z,582nm,1.3s						
MA2	Magadan	54.28 38	eP	P	14 09 41.1	+0.5
MA2			LR	LR		
comp-Z,741nm,21.0s						
MA2			LR	LR		
comp-Z,145nm,1.2s						
LLP	Lapu-Lapu	54.45 105f	eP	P	14 09 42.2	+0.8
PBKI	Pangkajene	54.45 127	eP	P	14 09 42.4	+1.0
PBKI			P	P	14 09 42.8	-3.2
DBJI	Drumaga	54.45 134	P	P	14 09 41.8	+1.0
SEY	Seymchan	54.47 34c	iP	P	14 09 41.7	+0.3
DSB	Dublin	54.52 314	eP	P	14 09 43.1	+0.5
EBNR	Danmarks Havn	54.64 292	iP	P	14 09 43.4	+1.1
DAG	Danmarks Havn	54.69 344	iP	P	14 09 43.4	+1.1
DAG			pmax	pmax		
comp-Z,457nm,0.9s						
DAG			P	P	14 09 43.2	+0.6
comp-Z,460nm,0.9s						
IDGL	Inch Island, C	54.70 316f	eP	P	14 09 44.9	
IDGL			I Amb	I Amb	14 09 44.9	
comp-Z,249nm,0.9s						
SKJI	Sukabumi	54.70 135	P	P	14 09 44.4	+1.2
ERM	Erimo	54.71 60	P	P	14 09 50.0	+7.1
ERM			LR	LR		
comp-Z,1um,19.0s						
ECHA	Ech Chief	54.73 103f	eP	P	14 09 41.5	-1.9
EANR	'Ain N'Sour	54.81 292	P	P	14 09 44.2	+0.4
LETR	Tiaret	55.16 291	P	P	14 09 46.0	-0.4
LETR			P	P	14 09 43.9	-2.8
comp-Z,32nm,0.8s,baz=65,slow=18,SNR=7.2						
MSLP	Maasin	55.25 104	eP	P	14 09 48.9	+1.7
MTKI	Muara Trehk	55.28 122	eP	P	14 09 48.2	+0.8
MTKI			P	P	14 09 50.8	+1.7
comp-Z,140nm,0.9s						
PAGZ	Pagadian	55.52 108	eP	P	14 09 50.0	-1.6
CISI	Cisompet, Garu	55.88 134	eP	P	14 09 52.2	-0.2
CART	Cartagena	56.02 294	eP	P	14 09 52.2	-0.2
comp-Z,128nm,0.7s						
KPJI	Karang Pucung	56.35 133	P	P	14 09 52.3	-2.6
CMJI	Cimerak	56.43 134	P	P	14 09 54.9	-0.5
SMKI	Samarinda	56.52 120	P	P	14 09 58.9	+2.3
BUTE	Butan	56.56 105	eP	P	14 09 59.3	+1.1
BUPK	Musan	56.75 106	eP	P	14 09 55.6	-2.9
SGKI	Sangatta, Kali	56.86 120	P	P	14 10 01.1	+1.4
BKB	Balikpapan	56.88 121	P	P	14 10 01.2	+1.5
SMRI	Semarang	57.03 313	eP	P	14 09 57.8	-2.0
SMRI			S	S	14 17 41.7	+2.1
VAL	Valentia	57.16 313	eP	P	14 10 02.0	+0.7
SKMP	Bagumbayan, Su	57.24 108	eP	P	14 10 01.4	-0.1
ES19	SONSECA Array	57.30 298	eP	P	14 10 01.4	-0.4
ESDC	Sonseca Array	57.36 298	eP	P	14 10 01.4	-0.4
comp-Z,25nm,0.6s,baz=81,slow=7.4,SNR=149						
ESDC			ScP	ScP	14 10 46.4	-0.2
comp-Z,18nm,0.7s,baz=58,slow=7						

105D	Terrebonne, OR	98.77	9	Pdiff	Pdif	14 13 52.0 +0.7
K43A	Burlington	98.91 345		Pdiff	P	14 13 51.6 -0.2
J39A	Decarah	98.96 347		Pdiff	P	14 13 51.5 -0.6
K42A	Prairie Point,	99.05 345		Pdiff	Pdif	14 13 52.1 -0.4
JFWS	Jewell Farm	99.10 346		Pdiff	Pdif	14 13 52.5 -0.2
JFWS	Jewell Farm	99.10 346	ePdif	Pdif	Pdif	14 13 52.5 -0.2
JFWS	comp-Z,841nm,19.0s			LR	LR	
JFWS	Jewell Farm	99.10 346	eP	Pdiff	Pdif	14 13 52.5 -0.2
JFWS	comp-Z,17nm,0.6s			MLR	MLR	
JFWS	comp-Z,841nm,19.0s			MLR	MLR	
J38A	Wedel Dairy, R	99.11 348		Pdiff	Pdif	14 13 52.3 -0.5
103D	Drain, OR	99.13 10		Pdiff	Pdif	14 13 52.2 -0.7
I04A	Tendick Farm,	99.16 10		Pdiff	Pdif	14 13 52.3 -0.8
LKWY	Lake	99.29 1		PFAKE	LR	14 14 10.0 +16
J37A	Redenius Farm,	99.30 349		Pdiff	Pdif	14 13 53.7 +0.1
ECSD	EROS Data Cent	99.33 351		Pdiff	Pdif	14 13 53.9 +0.2
ECSD	EROS Data Cent	99.33 351	ePdif	Pdiff	Pdif	14 13 54.0 +0.2
ECSD	comp-Z,809nm,21.0s			LR	LR	
J36A	Seneca 1, Swea	99.40 349		Pdiff	Pdif	14 13 54.5 +0.4
K41A	Shullsburg	99.41 346		Pdiff	Pdif	14 13 53.9 -0.2
K40A	Colesburg	99.47 347		Pdiff	Pdif	14 13 54.2 -0.2
MCWV	Mont Chateau	99.55 337		Pdiff	Pdif	14 13 55.3 +0.5
K39A	Olwein	99.61 347		Pdiff	Pdif	14 13 54.4 -0.6
RSSD	Black Hills	99.61 356		Pdiff	Pdif	14 13 55.7 +0.5
RSSD	Black Hills	99.61 356	ePdif	Pdiff	Pdif	14 13 54.4 -0.9
RSSD	Black Hills	99.61 356	eP	Pdiff	Pdif	14 13 54.4 -0.9
RSSD	comp-Z,13nm,1.0s			PMAX	PMAX	
M46A	Old House Fiel	99.70 343		Pdiff	Pdif	14 13 55.2 -0.2
J04D	Umpqua Nationa	99.75 10		Pdiff	Pdif	14 13 56.4 +0.5
K38A	Parkersburg	99.81 348		Pdiff	Pdif	14 13 55.4 -0.6
J05D	Fort Rock, OR	99.82 9		Pdiff	Pdif	14 13 55.6 -0.6
K37A	Belmond	99.84 348		Pdiff	Pdif	14 13 56.2 +0.1
BBSR	BB Station	99.86 323		PFAKE	LR	14 14 10.0 +14
L42A	Oliver, Polo	99.86 345		Pdiff	Pdif	14 13 56.0 -0.1
M45A	Boilermakers S	99.92 343		Pdiff	Pdif	14 13 56.4 0.0
ACSO	Alum Creek Sta	99.94 340		Pdiff	Pdif	14 13 56.2 -0.3
ACSO	Alum Creek Sta	99.94 340		PFAKE	LR	14 14 10.0 +13
ACSO	comp-Z,489nm,21.0s			LR	LR	
L41A	Preston	99.95 346		Pdiff	Pdif	14 13 56.4 -0.2
CBN	Corbin Frederi	100.07 335		PFAKE	LR	14 14 10.0 +13
K36A	Gilmore City	100.10 349		Pdiff	Pdif	14 13 57.3 +0.1
M44A	Midewin, Midew	100.10 344		Pdiff	Pdif	14 13 57.1 -0.1
L40A	Anamosa	100.11 347		Pdiff	Pdif	14 13 56.9 -0.3
HLID	Hailey	100.16 4		Pdiff	Pdif	14 13 58.0 +0.3
HLID	Hailey	100.16 4		PFAKE	LR	14 14 10.0 +12
L39A	Vinton	100.19 347		Pdiff	Pdif	14 13 56.8 -0.8
O50A	Cable	100.19 340		Pdiff	Pdif	14 13 57.1 -0.6
MFID	Carnage Ranch	100.22 5	ePdif	Pdiff	Pdif	14 13 56.9 -1.0
M43A	Walthumb Townsh	100.26 345		Pdiff	Pdif	14 13 57.9 0.0
N46A	Monticello	100.27 343		Pdiff	Pdif	14 13 57.8 -0.2
O49A	Covington	100.34 341		Pdiff	Pdif	14 13 57.8 -0.5
M42A	Sheffield	100.41 345		Pdiff	Pdif	14 13 58.2 -0.4
O48A	Farmland	100.49 342		Pdiff	Pdif	14 13 58.5 -0.5
N45A	Kentland	100.50 343		Pdiff	Pdif	14 13 58.6 -0.4
L02D	Cave Junction,	100.60 11		Pdiff	Pdif	14 13 59.0 -0.4
SCIA	State Center	100.61 348		Pdiff	Pdif	14 13 59.2 -0.3
SCIA	State Center	100.61 348		PFAKE	LR	14 14 10.0 +11
M41A	Milan	100.64 346		Pdiff	Pdif	14 13 59.1 -0.6
L36A	Harm Buss Farm	100.65 349		Pdiff	Pdif	14 13 59.5 -0.2
N44A	Piper City	100.69 344		Pdiff	Pdif	14 13 59.8 0.0
P50A	Jamestown	100.74 340		Pdiff	Pdif	14 13 59.4 -0.8
O47A	Sheridan	100.76 342		Pdiff	Pdif	14 13 59.5 -0.7
N43A	Stutzman Famil	100.78 345		Pdiff	Pdif	14 14 00.3 +0.1
M40A	Post Highland	100.80 347		Pdiff	Pdif	14 13 59.9 -0.4
M39A	Webster	100.85 347		Pdiff	Pdif	14 14 00.2 -0.3
SVIN	Lafayette	100.85 343		Pdiff	Pdif	14 13 59.8 -0.7
WVOR	Wild Horse Val	100.95 7		PFAKE	LR	14 14 10.0 +8.8
N42A	Yates City	101.06 345		Pdiff	Pdif	14 14 01.3 -0.2
AHID	Auburn Hatcher	101.08 1		PFAKE	LR	14 14 10.0 +8.2
BW06	Boulder Array	101.10 0		PFAKE	LR	14 14 10.0 +8.0
PDAR	Pinedale Array	101.10 0	P	Pdiff	Pdif	14 14 02.0 +0.1
PDAR	comp-Z,2.3nm,0.6s,baz=36,slow=3.0,SNR=22			P	Pdiff	14 14 53.2 +2.3
PDAR	comp-Z,0.7nm,0.7s,baz=11,slow=1.6,SNR=1.9			sPdif	Pdif	14 15 14.1 +2.6
PDAR	comp-Z,1.2nm,0.7s,baz=25,slow=1.6,SNR=2.8			PP	PP	14 18 09.3 -2.5
PDAR	comp-Z,6.1nm,1.0s,baz=18,slow=5.2,SNR=8.2			PKPKP	PKPKP	14 18 25.8 -0.1
PDAR	comp-Z,2.7nm,0.8s,baz=81,slow=4.4,SNR=6.0			PKPKP	PKPKP	14 30 10.8 -1.0
O45A	Potomac	101.12 343		Pdiff	Pdif	14 14 01.6 -0.2
Q51A	Peebles	101.16 340		Pdiff	Pdif	14 14 01.5 -0.5
HDIL	Hopedale	101.17 345		Pdiff	Pdif	14 14 01.5 -0.5
HDIL	Hopedale	101.17 345		PFAKE	LR	14 14 10.0 +8.0
HDIL	comp-Z,708nm,20.0s					

K22A	Casper	101.18 358		Pdiff	Pdif	14 14 01.8 -0.4
M37A	Trindle Farm,	101.24 348		Pdiff	Pdif	14 14 01.6 -0.7
M36A	Fell Anita	101.31 349		Pdiff	Pdif	14 14 01.9 -0.7
P48A	Milroy	101.31 341		Pdiff	Pdif	14 14 01.9 -0.7
N40A	Mertquake, Sal	101.31 347		Pdiff	Pdif	14 14 01.9 -0.7
O44A	Mansfield	101.38 344		Pdiff	Pdif	14 14 02.4 -0.5
M02C	Callahan	101.46 10		Pdiff	Pdif	14 14 02.3 -1.1
N39A	Derby Farms, D	101.49 347		Pdiff	Pdif	14 14 03.2 -0.2
Q50A	Georgetown	101.51 340		Pdiff	Pdif	14 14 03.1 -0.4
P46A	Rosedale	101.60 343		Pdiff	Pdif	14 14 03.8 -0.1
Q49A	Aurora	101.60 341		Pdiff	Pdif	14 14 03.4 -0.5
O42A	Bath	101.68 345		Pdiff	Pdif	14 14 04.2 -0.1
N38A	Joes South For	101.70 348		Pdiff	Pdif	14 14 04.3 -0.1
N37A	Lee Faris, Mou	101.89 348		Pdiff	Pdif	14 14 05.1 -0.1
O41A	Passey Farms,	101.92 346		Pdiff	Pdif	14 14 05.1 -0.1
N36A	Muff Farm, Cla	101.96 349		Pdiff	Pdif	14 14 05.3 -0.2
BLA	Blacksburg	101.97 337		PFAKE	LR	14 14 20.0 +14
Q47A	Bedord North L	102.06 342		Pdiff	Pdif	14 14 05.6 -0.3
P44A	Sand Creek, Wi	102.07 344		Pdiff	Pdif	14 14 06.1 +0.1
P43A	Skaggs, Pawnee	102.10 345		Pdiff	Pdif	14 14 05.8 -0.4
O39A	Kirkville	102.10 347		Pdiff	Pdif	14 14 05.1 -0.1
O40A	La Belle	102.11 347		Pdiff	Pdif	14 14 05.8 -0.3
HWUT	Hardware Ranch	102.22 2	ePdif	Pdiff	Pdif	14 14 06.5 -0.4
HWUT	Dawn	102.32 345		Pdiff	Pdif	14 14 06.7 -0.4
P42A	Winester	102.32 345		Pdiff	Pdif	14 14 07.1 -0.4
O38A	Galt	102.39 348		Pdiff	Pdif	14 14 07.4 -0.1
R48A	Northridge Ran	102.42 341		Pdiff	Pdif	14 14 07.1 -0.5
Q45A	Warren Harvey,	102.51 343		Pdiff	Pdif	14 14 07.7 -0.2
OGNE	Ogallala	102.64 354		Pdiff	Pdif	14 14 08.5 -0.1
OGNE	Ogallala	102.64 354		PFAKE	LR	14 14 20.0 +11
Q44A	Meyer Farm, Va	102.70 344		Pdiff	Pdif	14 14 08.8 0.0
P40A	Paris	102.71 347		Pdiff	Pdif	14 14 08.5 -0.4
Q43A	New Douglas	102.81 345		Pdiff	Pdif	14 14 09.1 -0.2
P39B	Salisbury	102.88 347		Pdiff	Pdif	14 14 08.9 -0.8
P38A	Dawn	102.89 348		Pdiff	Pdif	14 14 09.5 -0.2
CNCC	Cliffs of the	102.92 334		PFAKE	LR	14 14 20.0 +10
P37A	Lathrop	103.06 348		Pdiff	Pdif	14 14 10.1 -0.3
Q41A	Truxton	103.11 346		Pdiff	Pdif	14 14 10.8 +0.1
Q40A	Laux Farm, Aux	103.24 346		Pdiff	Pdif	14 14 11.0 -0.2
R44A	Waltonville	103.34 344		Pdiff	Pdif	14 14 11.6 -0.1
Q39A	Willow Grove F	103.35 347		Pdiff	Pdif	14 14 11.3 -0.4
U53A	Fall Branch	104.41 338		Pdiff	Pdif	14 14 11.5 -0.6
T50A	Nancy	103.45 340		Pdiff	Pdif	14 14 11.4 -0.8
R43A	Red Bud	103.50 345		Pdiff	Pdif	14 14 12.0 -0.4
Q38A	Cooks Store, C	103.55 348		Pdiff	Pdif	14 14 12.5 -0.1
T49A	Edmonton	103.56 341		Pdiff	Pdif	14 14 12.0 -0.7
S46A	Don Dixon Farm	103.56 343		Pdiff	Pdif	14 14 12.6 -0.1
DUG	Dugway, Tooele	103.59 3		PFAKE	LR	14 14 20.0 +7.0
O20A	White River Ci	103.72 359		Pdiff	Pdif	14 14 13.5 -0.1
R41A	Rosedud	103.78 346		Pdiff	Pdif	14 14 13.7 +0.1
KSU1	Kansas State U	103.88 350		PFAKE	LR	14 14 30.0 +16
S44A	Carbondale	103.91 344		Pdiff	Pdif	14 14 14.4 +0.2
R40A	Maddies Statio	103.95 346		Pdiff	Pdif	14 14 14.3 -0.1
MAW	Mason	103.97 183		PKPKP	PKPKP	14 18 30.4 +0.7
CCM	Cathedral Cave	103.98 346		Pdiff	Pdif	14 14 15.1 +0.6
ISCO	Idaho Springs	103.99 357		PFAKE	LR	14 14 30.0 +15
R39A	Chumby, Stover	104.08 347		Pdiff	Pdif	14 14 15.1 +0.2
V53A	Saluda	104.13 338		Pdiff	Pdif	14 14 13.5 -1.8
S42A	Caledonia	104.17 345		Pdiff	Pdif	14 14 14.5 -0.9
U49A	Red Boiling Sp	104.18 341		Pdiff	Pdif	14 14 14.4 -1.1
S43A	Fulton Ridge,	104.20 344		Pdiff	Pdif	14 14 14.7 -0.9
R38A	Fenwick Farm,	104.35 348		Pdiff	Pdif	14 14 15.8 -0.4
TKL	Tuckaleechee C	104.42 339		Pdiff	Pdif	14 14 17.1 +0.5
V51A	Louisa	104.45 339		Pdiff	Pdif	14 14 16.3 -0.4
CBK5	Cedar Bluff	104.55 352		Pdiff	Pdif	14 14 16.8 -0.3
T44A	Benton	104.56 344		Pdiff	Pdif	14 14 16.9 -0.3
S40A	Lebanon	104.67 346		Pdiff	Pdif	14 14 17.2 -0.4
W53A	Cullowhee	104.70 338		Pdiff	Pdif	14 14 16.6 -1.3
T43A	Greenlee	104.72 345		Pdiff	Pdif	14 14 17.0 -0.8
S39A	Bolivar	104.73 347		Pdiff	Pdif	14 14 16.2 -1.7
V50A	Pikeville	104.79 340		Pdiff	Pdif	14 14 17.8 -0.4
Q24A	Divide	104.81 357		Pdiff	Pdif	14 14 17.8 -0.9
S38A	Stockton	104.89 348		Pdiff	Pdif	14 14 18.4 -0.2
V49A	McMinville	104.92 341		Pdiff	Pdif	14 14 18.5 -0.3
U46A	Springville	104.93 343		Pdiff	Pdif	14 14 18.7 -0.1
T42A	Van Buren	104.94 345		Pdiff	Pdif	14 14 18.4 -0.4
NVAR	Mina Array Bea	104.95 7		Pdiff	Pdif	14 14 20.5 +1.4
NVAR	comp-Z,2.4nm,0.8s,baz=345,slow=2.6,SNR=14			PKPKP	PKPKP	14 18 33.8 +0.8
NVAR	comp-Z,2.2nm,0.8s,baz=272,slow=2.4,SNR=5.3			PKPKP	PKPKP	14 29 59.4 -1.1

W52A	Murphy	105.00 339		Pdiff	Pdif	14 14 18.7 -0.4
T41A	Mountain View	105.06 346		Pdiff	Pdif	14 14 19.0 -0.5
WVT	Waverly	105.07 342		Pdiff	Pdif	14 14 19.0 -0.4
U45A	Rockin P Farm,	105.08 343		Pdiff	Pdif	14 14 18.8 -0.7
T40A	Mansfield	105.21 346		Pdiff	Pdif	14 14 19.0 -0.7
R11A	Troy Canyon, C	105.27 5		Pdiff	Pdif	14 14 19.9 -0.6
W50A	Signal Mountai	105.29 340		Pdiff	Pdif	14 14 19.3 -1.2
T39A	Cleaver	105.39 347		PKIKP	PKIKP	14 18 34.1 +0.6
NHSC	New Hope	105.64 335		PFAKE	LR	14 18 50.0
SDCO	Great Sand Dun	106.04 357		PFAKE	LR	14 18 50.0
GOGA	Godfrey	106.42 338		PFAKE	LR	14 18 50.0
MVCO	Mesa Verde	106.65 359		PFAKE	LR	14 18 50.0
CASY	Casey	106.91 164		PFAKE	LR	14

12d 15h

Table with columns: STKI, Sintang, 18.11 279, P, P, 15 44 26.9 +1.4, etc. Lists various locations and their associated data points.

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Table with columns: QIZ, Qiongzhong, 29.05 319, PFAKE, LR, 15 46 20.0 +6.5, etc. Lists various locations and their associated data points.

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Table with columns: CMAR, Chiang Mai Arr, 36.71 307, P, P, 15 47 20.9 +0.5, etc. Lists various locations and their associated data points.

BJT	Baijiatatau	44.41 346	eP	P	15 48 24.3 +0.7
BJT	comp=Z,71nm,1.3s		LR	LR	
BJT	comp=Z,1µm,22.0s				
BJT	Baijiatatau	44.41 346	eP	P	15 48 24.3 +0.7
BJT	comp=Z,71nm,1.3s		pmax	pmax	
BJT	comp=Z,1µm,22.0s		MLR	MLR	
BJI	Beijing	44.42 346	P	S	15 48 24.9 +1.1
BJI	comp=Z,14nm,0.6s		S	pmax	15 54 56.4 +0.4
BJI	comp=Z,810nm,22.6s		LR	LR	
BJI	comp=Z,1µm,25.5s		LR	LR	
BRDH	Bariadhala	44.73 307	P	P	15 48 28.1 +1.6
BRDH	comp=Z,85nm,0.3s,baz=90,slow=20,SNR=3.2		LR	LR	16 09 56.7
BRDH	comp=Z,758nm,19.8s,baz=134,slow=40		LR	LR	
MSHR	Mys Shuitsa	45.31 2	iP	P	15 48 30.9 +0.1
LZH	Lanzhou	45.53 331	iP	P	15 48 34.7 +0.5
LZH	comp=Z,2µm,17.6s		pP	pP	15 48 38.0 -5.3
LZH	comp=Z,1µm,17.7s		pP	pP	15 48 42.5 -6.2
LZH	comp=Z,2µm,18.6s		PP	PP	15 50 21.0 +0.9
LZH	comp=Z,1µm,17.7s		S	S	15 55 14.3 +1.8
LZH	comp=Z,2µm,18.6s		S	S	15 55 23.8 -7.3
LZH	comp=Z,42nm,1.0s		SS	SS	15 58 29.8 +3.2
LZH	comp=Z,240nm,4.8s		pmax	pmax	
LZH	comp=Z,2µm,17.6s		LR	LR	
LZH	comp=Z,1µm,17.7s		LR	LR	
LZH	comp=Z,2µm,18.6s		LR	LR	
SHL	Shillong	46.03 310	eP	P	15 48 36.6 -0.5
SHL	comp=Z,130nm,0.8s				
SHL	Shillong	46.03 310	iP	P	15 48 38.5 +1.5
SHL	comp=Z,130nm,0.8s		S	S	15 55 20.0 0.0
SHL	Shillong	46.03 310	eP	P	15 48 36.6 -0.5
SHL	comp=Z,130nm,0.8s		pmax	pmax	
ERM	Ermo	46.45 14	PFAKE	LR	15 48 50.0 +1.0
ERM	comp=Z,1µm,20.0s		LR	LR	
HHC	Hu-ho-hao-te	46.49 341	eP	P	15 48 41.3 +1.0
HHC	comp=Z,13nm,0.8s		pP	pP	15 48 52.3 +0.8
HHC	comp=Z,120nm,5.2s		PP	PP	15 50 32.0 +1.9
HHC	comp=Z,920nm,18.1s		S	S	15 55 28.5 +2.5
HHC	comp=Z,730nm,18.2s		SS	SS	15 58 45.7 -6.8
HHC	comp=Z,1µm,19.6s		pmax	pmax	
HHC	comp=Z,120nm,5.2s		LR	LR	
HHC	comp=Z,920nm,18.1s		LR	LR	
HHC	comp=Z,730nm,18.2s		LR	LR	
HHC	comp=Z,1µm,19.6s		LR	LR	
CN2	Changchun	46.64 356	eP	P	15 48 44.0 +2.7
CN2	comp=Z,10.0nm,0.6s		esP	P	15 48 51.0 -1.5
CN2	comp=Z,200nm,4.0s		S	S	15 55 33.0 +5.2
CN2	comp=Z,890nm,24.0s		SS	SS	15 58 52.1 -2.4
CN2	comp=Z,590nm,24.0s		pmax	pmax	
CN2	comp=Z,200nm,4.0s		LR	LR	
CN2	comp=Z,890nm,24.0s		LR	LR	
CN2	comp=Z,590nm,24.0s		LR	LR	
CN2	comp=Z,920nm,23.0s		LR	LR	
USA0B	Ussuriysk Arra	46.96 3	eP	P	15 48 44.2 +0.4
USA0B	comp=Z,53nm,1.3s				
USRK	Ussuriysk Ar.	46.96 3	P	P	15 48 42.8 -1.0
USRK	comp=Z,7.4nm,0.8s,baz=167,slow=7.5		LR	LR	16 09 33.8
USRK	comp=Z,1µm,18.6s,baz=180,slow=38		LR	LR	
MDJ	Mudanjiang	47.32 0	P	P	15 48 44.0 -2.6
MDJ	comp=Z,17nm,2.0s		P	P	15 54 07.9 -4.3
MDJ	comp=Z,260nm,4.4s		S	S	15 55 42.4 +4.9
MDJ	comp=Z,910nm,15.9s		SS	SS	15 55 48.1 -8.1
MDJ	comp=Z,970nm,17.9s		SS	SS	15 58 36.6 -0.9
MDJ	comp=Z,1µm,17.5s		pmax	pmax	
MDJ	comp=Z,141nm,1.8s		LR	LR	
MDJ	comp=Z,1µm,21.0s		LR	LR	
ASAJ	Asahikawa	48.31 13	P	P	15 48 55.2 +1.0
ASAJ	comp=Z,18nm,1.0s,baz=166,slow=7.8,SNR=3.3		LR	LR	16 09 49.9
ASAJ	comp=Z,817nm,20.1s,baz=218,slow=37		LR	LR	
ASAJ	Asahikawa	48.31 13	eP	P	15 48 52.4 -1.8
ASAJ	comp=Z,142nm,1.6s				
LSA	Lhasa	48.85 314	eP	P	15 48 59.6 +0.3
LSA	comp=Z,51nm,0.8s		LR	LR	
LSA	Lhasa	48.85 314	eP	P	15 48 59.6 +0.3
LSA	comp=Z,569nm,21.0s		pmax	pmax	
LSA	comp=Z,51nm,0.8s		MLR	MLR	
LSA	comp=Z,569nm,21.0s		LR	LR	
SHO	Shikotan	49.15 17	eP	P	15 49 03.6 +2.9
SHO	comp=Z,4.0nm,0.4s		pmax	pmax	
SHO	comp=N,11nm,0.5s				
CHLP	Challavanipeta	49.40 297	eP	P	15 49 02.4 -0.7
PALK	Pallekele	49.59 282	P	P	15 49 04.2 -0.5
PALK	comp=N,8.9nm,0.6s,baz=126,slow=2.8,SNR=6.6		LR	LR	16 12 01.1
PALK	Pallekele	49.59 282	eP	P	15 49 03.5 -1.2
PALK	comp=N,45nm,1.1s				
PALK	Pallekele	49.59 282	iP	P	15 49 06.7 +2.0
GTA	Gaotai	50.12 330	iP	P	15 49 08.1 -0.3
GTA	comp=N,45nm,1.1s		pP	pP	15 49 12.1 -7.6
GTA	comp=N,610nm,20.2s		SP	SP	15 49 15.2 -9.1
GTA	comp=N,470nm,19.2s		S	S	15 56 18.1 +0.7
GTA	comp=N,14nm,1.3s		SS	SS	15 56 27.0 -9.1
GTA	comp=N,160nm,6.2s		SS	SS	15 59 48.8 -2.4
GTA	comp=N,610nm,20.2s		pmax	pmax	
GTA	comp=N,470nm,19.2s		LR	LR	
GTA	comp=N,1µm,20.3s		LR	LR	
ODAN	Odare	50.15 309	eP	P	15 49 08.8 -0.2
ODAN	comp=N,214nm,1.0s				
RAMN	Ramite	50.81 309	eP	P	15 49 14.1 +0.1
RAMN	comp=N,211nm,0.8s				
YSS	Yuzh-Sakhalins	51.05 12	eP	P	15 49 14.4 -0.6
YSS	comp=Z,85nm,1.4s		LR	LR	
YSS	Yuzh-Sakhalins	51.05 12	eP	P	15 49 14.4 -0.6
YSS	comp=Z,85nm,1.4s		pmax	pmax	
YSS	comp=Z,614nm,21.0s		MLR	MLR	
PVM	Polavaram	51.16 295	eP	P	15 49 15.6 -0.8
JIRN	Jiri	51.48 309	eP	P	15 49 19.1 0.0
JIRN	comp=Z,195nm,0.9s				
GUN	Gumba	51.84 309	eP	P	15 49 21.5 -0.3
GUN	comp=Z,229nm,0.8s				
SKHT	Srikalahasti	51.93 290	eP	P	15 49 21.6 -0.7

KLR	Rampur	51.98 2	P	P	15 49 21.4 -0.6
KLR	comp=Z,0.5nm,0.7s,baz=206,slow=3.1,SNR=13				
KLR	Kul'dur	51.98 2	iP	P	15 49 20.7 -1.3
PKIN	Phulchoki	52.05 309	eP	P	15 49 23.3 0.0
OUZ	Omahuta	52.06 134	eP	P	15 49 24.7 +1.8
OUZ	comp=Z,34nm,1.3s				
KKN	Kakani	52.24 309	eP	P	15 49 24.2 -0.4
KKN	comp=Z,119nm,1.0s				
ADKI	Addanki	52.26 293	eP	P	15 49 23.8 -0.8
DMN	Daman	52.29 309	eP	P	15 49 24.6 -0.5
DMN	comp=Z,179nm,0.9s				
HIA	Hailar	52.64 352	PFAKE	LR	15 49 40.0 +1.3
HIA	comp=Z,1µm,20.0s		LR	LR	
GKN	Gorkha	52.84 309	eP	P	15 49 28.5 -0.5
GKN	comp=Z,189nm,0.8s				
NJS	Nagarjunasagar	53.07 293	eP	P	15 49 29.4 -1.2
SRLM	Sriasilam	53.32 292	eP	P	15 49 31.0 -1.5
KOLN	Koldanda	53.55 308	eP	P	15 49 34.2 -0.1
KOLN	comp=Z,230nm,0.9s				
DANN	Dangsing	53.69 309	eP	P	15 49 35.1 -0.3
DANN	comp=Z,227nm,0.9s				
RPR	Rampur	53.77 296	eP	P	15 49 34.7 -1.0
HYB	Hyderabad	54.01 294	iP	P	15 49 36.5 -1.1
HYB	Hyderabad (bro	54.01 294	eP	P	15 49 36.1 -1.5
FOZ	Fox Glacier	54.03 144	eP	P	15 49 39.6 +2.3
FOZ	comp=Z,269nm,1.7s				
PYUN	Phuthar	54.18 308	eP	P	15 49 38.7 -0.2
PYUN	comp=Z,366nm,1.0s				
ULN	Ulaanbaatar	54.21 342	eP	P	15 49 38.9 +0.3
ULN	comp=Z,22nm,0.8s				
ULN	comp=Z,586nm,19.0s		LR	LR	
ULN	Ulaanbaatar	54.21 342	P	P	15 49 39.7 +1.0
ULN	SNR=19				
ULN	Ulaanbaatar	54.21 342	iP	P	15 49 39.2 +0.6
ULN	comp=Z,38nm,1.7s		pmax	pmax	
MLZ	Mavora Lakes	54.21 147	eP	P	15 49 40.0 +1.4
MLZ	comp=Z,60nm,1.2s				
WKZ	Wanaka	54.37 146	eP	P	15 49 40.9 +1.1
WKZ	comp=Z,93nm,1.3s				
SONA	Songino Array	54.39 341	eP	P	15 49 39.7 -0.2
SONA	comp=Z,5.8nm,0.7s,baz=165,slow=8.6,SNR=23				
SONM	Songino Array	54.39 341	eP	P	15 49 39.7 -0.2
SONM	comp=Z,5.8nm,0.7s,baz=165,slow=8.6,SNR=23				
SONM	comp=Z,500nm,21.2s,baz=160,slow=38		LR	LR	16 14 31.7
SONM	comp=Z,0.4nm,0.8s,baz=282,slow=6.9,SNR=2.2		PKPPKP	P'P'df	16 19 54.4 +2.1
SONA	Songino Array	54.40 341	eP	P	15 49 40.5 +0.5
WHZ	Wether Hill Ro	54.46 148	eP	P	15 49 40.7 +0.4
WHZ	comp=Z,119nm,1.2s				
HIZ	Hauiti	54.52 137	eP	P	15 49 43.4 +2.5
HIZ	comp=Z,88nm,1.3s				
URV	Urvakonda	54.54 291	eP	P	15 49 49.6 -1.9
SRSP	Sriramsagar	54.65 296	eP	P	15 49 40.9 -1.3
LBZ	Lake Benmore	54.76 145	eP	P	15 49 43.5 +1.0
LBZ	comp=Z,73nm,0.9s				
RPZ	Rata Peaks	54.87 144	P	P	15 49 44.8 +1.4
RPZ	comp=Z,26nm,0.5s,baz=328,slow=4.4,SNR=16		LR	LR	16 14 18.7
RPZ	comp=Z,1µm,19.1s,slow=37		LR	LR	
THZ	Tophouse	54.90 141	eP	P	15 49 44.8 +1.1
THZ	comp=Z,31nm,0.8s				
LTZ	Lake Taylor	55.07 142	eP	P	15 49 46.9 +2.1
LTZ	comp=Z,72nm,1.4s				
OXZ	Oxford	55.23 143	eP	P	15 49 46.9 +0.9
OXZ	comp=Z,35nm,0.8s				
ODZ	Otaua Downs	55.42 145	eP	P	15 49 49.2 +1.9
ODZ	comp=Z,45nm,1.2s				
KHZ	Kahutara	55.65 141	eP	P	15 49 49.4 +0.5
KHZ	comp=Z,30nm,0.6s				
SNZO	South Karori	55.81 140	eP	P	15 49 50.4 +0.3
SNZO	comp=Z,149nm,1.4s				
SNZO	comp=Z,2µm,22.0s		LR	LR	
MQZ	McQueen's Vall	55.81 143	eP	P	15 49 51.3 +1.2
MQZ	comp=Z,98nm,1.3s				
BKZ	Black Stump Fm	55.95 137	eP	P	15 49 52.6 +1.3
BKZ	comp=Z,41nm,0.8s				
URZ	Urewera	55.97 135	LR	LR	16 15 37.3
URZ	comp=Z,1µm,19.2s,slow=39				
KLRI	Kiliri	55.98 294	eP	P	15 49 50.2 -1.6
ZEA	Zeya	56.48 359	eP	P	15 49 54.2 -0.5
ZEA	comp=Z,17nm,1.0s		pmax	pmax	16 01 31.0
ZEA	comp=Z,800nm,18.0s		MLR	MLR	
ZEA	comp=N,400nm,17.0s		MLR	MLR	
BFZ	Birch Farm	56.51 138	eP	P	15 49 55.8 +0.6
BFZ	comp=N,63nm,1.2s				
MXZ	Matakaoa Point	56.51 134	eP	P	15 49 56.2 +1.0
MXZ	comp=N,49nm,1.1s				
NKL	Nikolayevsk	56.67 8	eP	P	15 49 56.0 0.0
NKL	comp=Z,34nm,0.9s		pmax	pmax	
ZAK	Zakamensk	57.62 341	eP	P	15 50 04.5 +1.5
ZAK	comp=Z,13nm,1.3s		pmax	pmax	
TLY	Talaya	58.62 342	PFAKE	LR	15 50 20.0 +1.0
TLY	comp=Z,537nm,19.0s		LR	LR	
TLY	Talaya	58.62 342	P	P	15 50 10.9 +1.1
TLY	comp=Z,6nm,0.6s				
TLY	Talaya	58.62 342	eP	P	15 50 10.5 +0.7
TLY	comp=Z,19nm,1.3s		pmax	pmax	
TLY	comp=Z,422nm,17.0s		MLR	MLR	
IRK	Irkutsk	58.91 342	eP	P	15 50 13.1 +1.3
IRK	comp=Z,51nm,1.5s		pmax	pmax	
NDI	New Delhi	59.03 306	eP	P	15 50 12.0 -1.1
AFI	Afiamaul	59.11 104	LR	LR	16 15 13.5
AFI	comp=Z,473nm,21.7s,baz=264,slow=36				
MOY	Mondy	59.46 340	eP	P	15 50 17.2 +1.3
MOY	comp=Z,49nm,1.5s		pmax	pmax	

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NVAR, TSUM, HLID, PFO, PFO, BOZ, BFO, EGMT, DUG, LWKY, AHID, HWUT, FFC, RLMC, BW06, PDAR, PDAR, BORG, LAO, EKA, ESK, WUAZ, SFJD, TUC, MVCO, S22A, ISCO, SDCO, ANMO, ULM, T25A, AGNM, MNTX, ECSD, EYMN, F36A, TX31, TXAR, TXAR, TXAR, TXAR, ESDC, PAB, KSU1, WMOK, G40A, SCIA, JCT, JCT, JCT, TOAD, TORD, TOA1, S39A, R40A, HDIL, CCM, CCM, MIAR, MIAR.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HKT, HKT, HKT, AAM, WVT, WVT, KOWA, KOWA, ALUM, PLAL, PLCA, PLCA, PLCA, PLCA, LON, LON, LON, KIC, DBIC, CMIG, TIC, LIC, LRAL, PKME, BINY, BINY, O56A, TKL, TKL, BRAL, BRAL, BLA, BLA, ODNJ, BNGA, GOGA, CBN, CBN, TRQA, TRQA, CMLA, CMLA, CNNC, CNNC, NHSC, NHSC, PAYG, PAYG, TCA, AGUA, G003, YCA, JTS, JTS, ESPN, ESPN, PB14, AGM2, AHML, BBSR, BBSR, MTDJ, MTDJ, NNA, NNA, CPUP, CPUP, CPUP, HJA, BCIP, BCIP, PB11, GTBY, GTBY, SACY, SACY, YJA, OTAV, OTAV, GRTK, GRTK, LPAZ, LPAZ, LPAZ, SDV, SDV, SDV, ANWB, ANWB, SAML, SAML, SAML, GRGR, GRGR, PTGA, PTGA, DJA, MSAI, MSAI, AAI.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AAI, NLAI, LBMI, APSI, IDC, CMAR, WRA, ASAR, JAY, SONM, KURB, ZALOW, IDC, NRS, NRS, NRS, NRS, ILULI, SUMG, EKA, JMJC, FRB, SCHO, SCHO, SCHO, NC204, NB000, NA001, NB2, NOA, NB201, NC203, NC600, NC405, UCC, HFS, ESDC, ESLSA, ES19, GRFO, CRLA, ARCS, ARCS, NKC, DAVOX, PVCC, KHC, PRU, TRQ, GOPC, UP, FIAO, FINES, FIA1, DPC, OKC, PLVO, OJC, MDT, PSZ, E43A, DIVS, BUR08, BUR04, KIEV, AKASG, AKBB, COWI, EYMN, FFC, FNA, YKA, YKB5, INK, INK, W50A, LAO, TAM, BR101, BRTR.

12d 16h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like W40A Wits Springs, W39A Magazine, DAWY Dawson, X40A Basin Creek Fa, MIAR Mount Ida, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MEX 12 16:32.8-0.3, 18.281N, 102.78W, h56km, 29km, MD3.6, Michoacan.

ISCJB 12 16:18:58.6, 0.4, 29.145, 0.06, 75.00E, 0.07, h10km, mb4.5/46, Error ellipse: s-maj=9.6km s-min=7.9km az=141.8

2012 JUL

GCMT 12 16:18:58.6, 0.4, 29.05S, 74.96E, h18km, 1km, MW4.9/67, Moment Tensor Solution... s17, c22; s67, c103; Duration: 0. Moment tensor: Scale 1016Nm; Mr=3.35e-25;

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like H08S2 Diego Garcia H, H08S1 Diego Garcia H, H08S3 Diego Garcia H, etc.

12d 16h

NEIC 12 16:25:46.2, 0.2, 29.12S, 74.94E, h10km, mb4.9/43, Error ellipse: s-maj=5.5km s-min=4.2km az=206.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like H08S2 Diego Garcia H, H08S1 Diego Garcia H, H08S3 Diego Garcia H, etc.

ISCJB 12 16:25:44.5, 0.3, 29.17S, 0.06, 74.97E, 0.05, h10km, mb4.7/74, MS4.3/43, Error ellipse: s-maj=8.2km s-min=6.6km az=19.8

Table with columns: Call sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TGYY, GYA, KBL, COEN, etc.

Table with columns: Call sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KSRS, ALN, ZALV, ZALV, etc.

Table with columns: Call sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ESCO, ARCES, FINES, AKASO, etc.

Table with columns: Code, Station Name, A, AZ, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like KUR, HAY, BAC, HEC, etc.

Table with columns: DGR, Domenigoni Val, 0.64 231, ePg, Pb, 17 54 41.2, -0.3. Includes stations like BACC, HAY, BAC, HEC, etc.

Table with columns: OSI, Osito Audit: C, 1.99 287, ePn, Pn, 17 55 03.2, +1.4. Includes stations like CLC, CLC, CLC, SCI2, etc.

ISC 12 17:54:24.9, 2.3, 33.84N; 116.64W, h0km, mb3.5/1, mb1 3.7/4, mb1mx3.3/61, mbtmp3.2/4, ML3.9/3, Error ellipse: s-maj=37.1km s-min=12.8km az=51.0

ISC 12 17:54:28.5, 0.9, 34.06N; 0.01; 116.42W; 0.01, h14km, 7km, 1173, 17:54:23/232, Southern California

ISC 12 17:55:28.5, 0.9, 34.06N; 0.01; 116.42W; 0.01, h14km, 7km, 1173, 17:54:23/232, Southern California

NIED 12 17:55:00, 45.40N, 151.80E, h23km, Mw4.1 Best double couple: M=1.82000x10^15 N=1.9460000x10^15, 7.68, 0.00000...

ISC 12 17:55:19.8, 1.2, 45.44N; 0.1; 151.6E; 0.1, h35km, n57, Error ellipse: s-maj=16.2km s-min=9.5km az=128.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like BRVK Borovoye, WSAR Wadi Sarin, GEYT Alibeck, AKTO Aktyubinsk, RAYN Ar Rayn, KBZ Khabaz, ILAR Gleison Array, VVDA Vanda, ARCES ARCES Array B, SPITS Spitsbergen Ar, BRTR Keskin Array B, FINES FINES Array B, AKASO Malin Array B, MLR Muntele Rosu, HFS Hagfors, NOA NORSAR Array B, TXAR Lajitas Array, PLCA Paso Flores.

ISCJB 12 19:28:28.9, 1.8, 5.76N; 0.04x126.37E; 0.05, h11km, 12km, mb3.7/13, Error ellipse: s-maj=9.2km s-min=6.5km

MAN 12 19:28:31.2, 5.97N; 126.24E, h1km, mb5.1, ML4.0, MS4.1, IDC 12 19:28:34.3, 3.2, 5.72N; 125.69E, h4km, 23km, mb3.5/12, mb1.3/7.13, mb1mx3/4.58, mbtmp3.7/13, ML3.5/1, Error ellipse: s-maj=50.7km s-min=12.7km az=72.0

ISC 12 19:28:30.6, 1.5, 5.93N; 0.04x126.26E; 0.05, h11km, 9km, n30, e231/38, mb3.8/13, 2C-2D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MATI Mati, GSPH DAVAO City, DAV Davao City, DMPH Davao City-Mi, SKMP Bagumbayan, BIFP Bislig, BIFP Musuan, BUKP Cotabato-PC, CGP Cagayan de Oro, BUTP Butuan, PAZG Padigian, MSLP Maasin, OCLP Ormoc, SJU Sorong, FITZ Fitzroy Cross, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, SONM Songoing Array, MKAR Makanchi Array, MKAR Kurchatov Arr, BVAR Borovoye Array, ILAR Gleison Array, VVDA Vanda, ARCES ARCES Array B, BRTR Keskin Array B, FINES FINES Array B.

ISCJB 12 19:52:25.4, 0.4, 11.81N; 0.03x88.21W; 0.03, h54km, 3km, mb4.2/21, MS3.5/17, Error ellipse: s-maj=6.9km s-min=2.5km az=44.4

CASC 12 19:52:25.4, 2.5, 11.78N; 88.24W, h36km, 999km, MD4.6, ML3.9, mb4.0, (NEIC)

IDC 12 19:52:27.1, 2.6, 11.94N; 88.01W, h42km, 24km, mb3.8/9, mb1.4/1/2, mb1.3x3/8.50, mbtmp4.1/12, ML3.8/3, MS3.5/20, MS1.3/5.20, ms1mx3/3.43, Error ellipse: s-maj=34.7km s-min=13.1km az=49.0

NEIC 12 19:52:27.6, 1.3, 11.88N; 88.13W, h48km, 13km, mb4.5/13, Error ellipse: s-maj=18.2km s-min=7.1km az=49.0

ISC 12 19:52:26.8, 0.6, 11.83N; 0.05x88.19W; 0.05, h39km, 3km, n252, e163/246, mb4.3/21, MS3.6/17, 1C, Off coast of Central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like CNCH Conchagua, LCND La Ca-ada, LCY Lacayo, VSM San Miguel, COPN Copaltepe, CNGN Cerro Negro, PACA Pacayal, TECA Tecapa, MOCM Motomoto, XAVN Gruta Xavier, MGAN Managua, MGAN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like LFRS El Faro, BRAN Las Pilas, LOMA San Marcos, LOMA, LBRS Las Brisas, LFU La Fuente, LFU, CUSC San Salvador, BOQS Queveron, ESTN Estel, CEDA San Andres, SBLS San Blas, SNUJ San Jose, MATN Matagalpa, MATN, RTR El Retiro, CONN Concepcion, RCON San Juan de Ri, MTO3 Montecristo, MESS Mesas, MESS, CUI Cuipilapa, CUI, IKG Ixcap, JTS JuntasAbangare, JTS, JTS JuntasAbangare, JTS, JTS Las Esperanzas, ESPN San Ram 2n, CGAZ Cerro Gallo 2, CGAZ, HDC Heredia, HDC, SJS Escuela Geolog, LCR2 La Lucha 2, LCR2, CVTR Volcan Turrial, URSC Urasca, BUS Buena Vista, BUS, EDDO Dominical, EDDO, EDLM Las Mercedes, EDLM, DRKO Durika, DRKO, ACR Cerro Adams, ACR, ICCO Coco Island, CMIG Matias Romero, CMIG, CMIG, BCIP Isla Barro Colorado, GUYC Guyana, Colomb, SOTA Rioblanco, ROSC El Rosal, ROSC, ROSC, BARC Barichara, URIC Urbia, Colomb, PAMC Pampolona, Colo, CHIC Chichaza, RUSC La Rusia, FLOC Florencia, SDV Santo Domingo, SDV, SDV San Domingo, SDV, 454A McAlpin, 454A, 345A Thompson Farm, 345A, 833A Chaparral WMA, 347A Saraland, 348A Jackson, 353A Camilla, 342A Flagon Creek P, 341A Kuntwood, TIGA Tifton, 249A Camden, 247A Quitman, 245A Little AP, Sta, 356A Blackshear, 244A Avery, Jackson, 252A Lumpkin, 251A Midway, 242A Grayson, 254A Abbeville, 149A Jones, 148A Greensboro, 151A Opelika, 150A Eclectic, 256A Glennville, 152A Waverly Hall, LRLAL Lakeview Retre, LRLAL, 154A Montrose, 249A Columbia, 155A Kite, 250A Ashland, 248A Northport, JCT Junction City, 253A Monticello, WHTX Lake Whitney, 254A Sparta, ZOGA Godfrey, GOGA Godfrey, 4Y6A Houston, 4Y4A Yeager Farm, C, 4Y7A UPCARC, Winifie, 4Y9A Blount Mountain, 4Y8A Jasper, 4Y5A Rockmart, 4Y2A Lilburn.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Y53A Monroe, Y54A Tignall, X47A Russelville, OXF Oxford, OXF, TXAR Lajitas Array, X44A Greynow, X49A Woodville, X50B Fort Payne, X40A Basin Creek Fa, MIAR Mount Ida, MIAR, PCRV Puerto La Cruz, X39A Fountain Ranch, ABTX Abilene, Hawle, W48A Belvidere, W47A Westport, W50A Signal Mountai, W41B Gary Mavity, V, W40A Ferguson Farm, W39A Magazine, V47A Nunnelly, V41A Mountainview, V40A White Springs, V52A Sevierville, LPIG Laz Piz, V39A Pettigrew, U47A Clarksville, U42A Revdens, U41A Viola, WMOK Wichita Mounta, WMOK Wichita Mounta, U39A Green Forest, TUL1 Leonard, T47A Sharon Grove, T46A Princeton, T43A Greenville, T42A Van Buren, T41A Mountain View, MNXT Cornudas Mount, MNXT, T40A Mansfield, T39A Clever, T38A Diamond, MSTX Muleshoe, S46A Don Dixon Farm, S41A Jillico Farms, S40A Lebanon, AMTX Amarillo, AMTX Amarillo, S39A Bolivar, S38A Stockton, BLA Blacksburg, CCM Cathedral Cave, R41A Rosebud, R39A Chumby, Stover, R38A Fenwick Farm, Q49A Aurora, Q21A Cokes Peak, D, Q19A Willow Grove F, Q38A Cooks Store, C, P49A Miami Univ, Ec, P39B Salisbury, P41A Barry, Barry, P50A Jamestown, P38A Dawn, ANMO Albuquerque, TASL Snake Pit, Alb, TASM ASL Pad, Alb, TUC Tucson, T25A Trinidad, N39A Derby Farms, D, M38A Pleasantville, SDCO Great Sand Dun, SDCO Great Sand Dun, L41A Preston, L40A Anamosa, L38A Oak Wood Farm, K37A Belmont, J42A Columbus, J37A Redenius Farm, J36A Seneca 1, Sween.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like Langenfeld Bro, Samuel, EROS Data Cent, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like Chiang Mai Arr, Warramunga Arr, Kurur Islands, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like Dease Lake, Yellowknife Arr, Korea Array, etc.

Table with columns: STKA, WRA, ASAR, FITZ, VVDA, NVAR, TXAR. Includes station names, coordinates, and various parameters like SNR, h, m, s, ISC.

MAN 12:20:48:17.4, 16:54N:120:12E, h28km, mb3.9, ML2.6, MS2.2, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like BOLP, ABRA, APYV.

ISCJJB 12:20:51:49.3, 0.6, 45:26N:103:14.95E, 0.04, h0km, 5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like GBRB, BOJS, KNDS.

LJU 12:20:51:49.3, 45:26N:14:97E, h15km, ML2.1

ISC 12:20:51:48.5, 1.4, 45:21N:0:04:14.94E, 0.04, h9km, 10km, n19, 0980/30, 2D, Northwestern Balkan Peninsula

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like GBRB, BOJS, KNDS, OZLJ, VISS, CRES, SKDS, GCIS, PDKS, UDBI, WND5, OBKA, MYKA, ARSA, KBA, MOA, STON.

ATH 12:20:52:25.0, 39:99N:20:51E, h23km, ML2.3/12, Error ellipse: s-maj=1.3km s-min=0.7km az=320.0

ISCJJB 12:20:52:25.0, 0.4, 39:99N:0:02:20:52E, 0.03, h10km, 3km, Error ellipse: s-maj=3.8km s-min=2.8km az=33.7

CSEM 12:20:52:25.0, 0.1, 40:00N:20:52E, h10km, ML2.3, Error ellipse: s-maj=2.8km s-min=2.1km az=141.0

THE 12:20:52:25.8, 39:96N:20:55E, h8km, ML2.3/12, Error ellipse: s-maj=0.9km s-min=0.5km az=321.0

TJR 12:20:52:26.6, 39:55N:20:53E, h6km, M2.6/3

ISC 12:20:52:25.7, 0.9, 39:99N:0:02:20:53E, 0.02, h15km, 7km, n113, 0978/158, Greece-Albania border region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like JAN, SRN, SGN, IGT, KASA, PENT, NEST.

Table with columns: NEST, KERKIRA, KEK, KIPOURIO. Includes station names, coordinates, and various parameters like SNR, h, m, s, ISC.

KRSC 12:20:53:08.2, 1.5, 54:40N:158:32E, h247km, 15km, ML3.7, Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like GNL, AVH, SCLR, SMAR.

UCLR Uglovyna 1.23 166 eP Pn

WEL 12:20:56:01.8, 42S:4:17:1E, h12km, ML3.7/13, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like DSZ, INZ, LTZ, THZ, WVV, OXF, GRZ, EYDZ, KHZ, QH, KHZ, NNZ, RPZ, BSWZ, PRWZ, FOZ, TUWZ, CKWZ, CMKC, EYDZ, PLWZ, MSWZ, ODZ, OGWZ, MTW, KHWZ, WKZ, KHEZ, MRZ, PKZ, WAZ, PRWZ, VRZ, MLZ, THZ, WHWZ, MWZ, TUVZ, NGZ, VWTZ, BHZ, HIZ, KATZ, SYZ, TLZ.

TEH 12:21:02:39.5, 27:15N:54:00E, h28km, ML3.4

CSEM 12:21:02:44.0, 1.2, 26:98N:54:19E, h20km, ML3.1, Error ellipse: s-maj=27.2km s-min=23.7km az=83.0

DSN 12:21:02:44.9, 4.4, 26:70N:54:21E, h15km, ML3.1/7, Error ellipse: s-maj=50.6km s-min=13.4km az=147.0

OMAN 12:21:02:47.1, 1.1, 27:20N:0:04:54.36E, 0.08, h18km, n54, 1562/61, Southern Iran

Large table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res. Includes stations like JHRM, JHRM, JHRM, JHRM, JHRM, GENO, GENO, SHME, SHME, SHME, BANOM, BANOM, NIAN, NIAN, MSFE, MSFE, NAZ, NAZ, NAZ, ASUD, ASUD, ASUD, UOSS, UOSS, UOSS, ALNE, ALNE, ALNE, TVBK, KHGB, IMEH.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GYA0B, IBST, KBL, DAMY, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MLR, Muntele Rosu, KURKB, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like APA, HFS, WLF, etc.

IDC 12 21:19:56.0-1.1, 46.765°x120.83E, h0km, mb3.9/4, m1 4.0/4.0, mb1mx3.7/4.7, mb2mx3.9/4.4, MS3.7/23, MS1 3.7/23, mb1mx3.6/3.6, Error ellipse: s-maj=176.7km s-min=20.5km az=117.0, Western Indian-Antarctic Ridge

ellipse: s-maj=8.8km s-min=4.6km az=61.8
CSEM 12:21:23:01.0.0.1,40.67N:13.48E,420km,1km,mb3.8/19,
Error ellipse: s-maj=4.2km s-min=2.6km az=17.0
ISC 12:21:23:01.5:0.5,40.68N:0.05:13.61E:0.05,h416km,6km,
n450,σ192/514,mb3.6/21,54C-30D,Tyrrhenian Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Lists various stations like MODR, MASC, SGC, GIUL, etc.

Table with columns: CELI, S, AML, S, 21 24 52.5 +0.2. Lists stations like CELI, S, AML, S, etc.

Table with columns: KOME, S, eSN, S, 21 25 29.4 -0.8. Lists stations like KOME, BOJS, TAMR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BZS, HERR, VIVF, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GRR, SORM, ES19, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AKAS, DALY, TURK, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AKAS, DALY, TURK, etc.

DDA 12 21:23:42.3, 36.26N-28.85E, h7km, M12.7
CSEM 12 21:56:27.5, 0.4, 38.41N-0.02, 40.83E, h10km, ML2.3, Error ellipse: s-maj=4.0km s-min=3.1km az=167.9

KFVS	comp=N,406nm,0.2s	10.25 280	P	Pn	23 36 25.1	0.0	
ISHM	Shahmirzad	10.30 331	ePn		23 36 29.6	+3.6	
IFIR	comp=Z,191nm,0.3s	11.06 355	e		23 36 31.8		
IFIR	Firoozkooh	10.41 329	ePn	Pn	23 36 30.9	+3.5	
IFIR	comp=Z,79nm,0.2s		e		23 36 33.0		
IFIR	comp=N,101nm,0.3s		e		23 37 14.4		
IFIR	comp=Z,114nm,0.3s		e		23 37 38.8		
IFIR	Firoozkooh	10.41 329	ePn	Pn	23 36 30.9	+3.5	
IEMG	Emangholi	10.51 357	ePn		23 36 32.4	+3.6	
IEMG	comp=Z,207nm,0.3s		e		23 36 34.0		
IEMG	comp=E,431nm,0.2s		e		23 36 38.2		
IEMG	comp=N,488nm,0.2s		e		23 36 40.8		
IEMG	Emangholi	10.51 357	ePn	Pn	23 36 32.4	+3.6	
SHGR	Shooshtar-Gavs	10.59 302	ePn		23 36 29.6	-0.1	
IDMV	Damavand	10.71 326	ePn	Pn	23 36 34.9	+3.4	
IDMV	comp=Z,266nm,0.3s		e		23 36 36.9		
IDMV	Damavand	10.71 326	ePn	Pn	23 36 34.9	+3.4	
GEYT	Alibeck	11.06 355	Pn	Pn	23 36 36.5	+0.5	
GYA0B	ALIBECK ARRAY	11.06 355	ePn	Pn	23 36 37.4	+1.3	
CEP	Cherat	12.81 54	P	Pn	23 37 00.7	+0.5	
RAYN	Ar Rayn	13.02 258	ePn	Pn	23 37 01.8	-1.2	
RAYN	Ar Rayn	13.02 258	ePn	Pn	23 37 01.8	-1.2	
IVIS	Veis	13.20 308	e		23 37 24.0		
IVIS	comp=Z,280nm,0.3s		ePn	Pn	23 37 05.0	-0.5	
IVIS	comp=E,369nm,0.2s		e		23 39 29.8		
NIL	Nilore	13.73 57	ePn	Pn	23 37 14.3	+1.8	
NIL	comp=N,18nm,0.5s		eP	Pn	23 37 14.4	+1.8	
NIL	Nilore	13.73 57	ePn	Pn	23 37 14.4	+1.8	
NIL	comp=Z,19nm,0.5s		ePn	Pn	23 37 14.4	+1.8	
ISHB	Shabestar	16.22 318	e		23 37 53.5	+4.3	
ISHB	comp=Z,64nm,0.2s		e		23 37 54.7		
ISHB	comp=E,97nm,0.3s		e		23 38 26.5		
SFK	Sufi-Kurgan	17.57 38	iP	Pn	23 38 01.8	-1.2	
GNI	Garni	17.97 321	P	P	23 38 08.2	-0.3	
KK31	Karatay Array	18.53 26	eP	P	23 38 14.0	-0.4	
KK31	Karatay Array	18.53 26	iP	P	23 38 12.9	-1.5	
KK31	Karatay Array	18.53 26	eP	P	23 38 14.0	-0.4	
KKAR	Karatay Array	18.53 26	eP	P	23 38 14.0	-0.4	
KKAR	Karatay Array	18.53 26	eP	P	23 38 14.0	-0.4	
DAMY	Dhamar	18.61 232	eP	P	23 38 16.1	+0.2	
KSH	Kashi	18.69 44	P	P	23 38 11.1	-5.3	
KSH	comp=Z,72nm,1.8s		pP	Pn	23 38 14.1	-2.6	
KSH	comp=Z,12nm,0.8s		S	Sn	23 41 29.8	-1.6	
KSH	comp=Z,12nm,0.8s		SS	S	23 41 53.3	+4.0	
KSH	comp=Z,12nm,0.8s		eP	P	23 42 44.2	-0.3	
MNAS	Manas	18.89 31	iP	P	23 38 17.8	-0.7	
MNAS	comp=Z,13nm,0.6s		iP	P	23 38 17.8	-0.7	
MNAS	Manas	18.89 31	iP	P	23 38 17.8	-0.7	
GROC	Groznyy	19.68 329	eS	P	23 38 22.9	-4.1	
GROC	comp=Z,16nm,0.5s		eS	P	23 42 03.7	-5.1	
AAK	Ala-Archa	19.96 34	P	P	23 38 30.5	+0.3	
AAK	Ala-Archa	19.96 34	eP	Pn	23 38 31.2	-0.8	
AAK	Ala-Archa	19.96 34	eP	Pn	23 38 31.2	-0.8	
ASF	Jabal al Asfar	20.26 290	P	P	23 38 35.5	0.0	
ZEI	Tsey	20.28 325	eP	P	23 38 34.4	+0.6	
ZEI	comp=Z,9.0nm,0.4s		eP	P	23 38 34.4	+0.6	
NCK	Nalchik	20.95 326	iP	P	23 38 41.7	+0.9	
NCK	comp=Z,13nm,0.9s		iP	P	23 38 41.7	+0.9	
NCK	Nalchik	20.95 326	iP	P	23 38 41.7	+0.9	
KDJ	Kajisay	21.05 39	eP	P	23 38 41.5	-0.6	
KDJ	Kajisay	21.05 39	eP	P	23 38 41.5	-0.6	
NEY	Neytrino	21.21 325	iP	P	23 38 43.4	-0.4	
NEY	comp=Z,3.0nm,0.8s		iP	P	23 38 43.4	-0.4	
KBZ	Khabaz	21.46 326	P	P	23 38 48.0	+1.7	
KBZ	Khabaz	21.46 326	P	P	23 38 48.0	+1.7	
KBZ	Khabaz	21.46 326	P	P	23 38 48.0	+1.7	
KOLN	Koldanda	21.51 82	eP	P	23 38 48.8	+1.6	
DANN	Dangsing	21.63 81	eP	P	23 38 50.6	+2.0	
MMAI	Muon Meron Arr	21.65 292	P	P	23 38 53.9	+5.4	
MMAI	comp=Z,1.1nm,0.5s,baz=103,slow=12,SNR=3.6		LR	LR	23 49 12.1		
EIL	Elat	21.70 283	P	P	23 38 51.1	+2.1	
KVAR	Kislovodsk Arr	21.73 326	P	P	23 38 50.2	+0.9	
KIV	Kislovodsk	21.73 326	eP	P	23 38 49.8	+0.5	
KIV	Kislovodsk	21.73 326	eP	P	23 38 51.1	+1.7	
KIV	Kislovodsk	21.73 326	eS	P	23 38 50.3	+1.0	
KIV	comp=Z,36nm,1.0s		eS	P	23 42 52.8	+3.0	
KIV	comp=Z,16nm,14.0s		MLR	MLR			
ATD	Arta Tunnel	21.82 229	LR	LR	23 48 57.8		
AB31	Akbulak array	22.33 1	iP	P	23 38 53.7	-1.9	
AB31	comp=Z,5.0nm,0.5s		iP	P	23 38 54.5	-1.1	
ABKAR	Akbulak array	22.33 1	eP	P	23 38 54.5	-1.1	
GKN	Gorkha	22.41 81	eP	P	23 38 58.5	+1.6	
KKN	Kakani	23.00 82	eP	P	23 39 04.3	+1.2	
PKIN	Phulchoki	23.11 82	eP	P	23 39 05.6	+1.2	
GUN	Gumba	23.52 81	eP	P	23 39 09.6	+1.1	
AKTK	Aktyubinsk	23.53 358	iP	P	23 39 06.8	-1.2	
AKTO	Aktyubinsk	23.53 358	P	P	23 39 07.4	-0.6	
AKTO	comp=Z,6.9nm,0.5s,baz=169,slow=11,SNR=28		LR	LR	23 49 57.4		
AKTO	Aktyubinsk	23.53 358	iP	P	23 39 06.8	-1.2	

CSS	Mathiatis	23.72 296	eP	P	23 39 10.4	+0.3	
CSS	Mathiatis	23.72 296	eP	P	23 39 10.4	+0.3	
JIRN	Jiri	23.81 82	eP	P	23 39 12.1	+0.7	
RAMN	Ramite	24.24 84	eP	P	23 39 15.5	+0.2	
BR131	Keskin Array S	24.95 307	eP	P	23 39 22.3	+0.8	
BR131	Keskin Array S	24.95 307	eP	P	23 39 23.5	+2.0	
BR131	Keskin Array S	24.95 307	eP	P	23 39 22.3	+0.8	
BRTR	Keskin Array B	24.95 307	eP	P	23 39 22.0	+0.5	
ODAN	Odare	24.95 84	eP	P	23 39 22.6	+0.9	
ILGA	ilgaz	25.44 310	eP	P	23 39 28.0	+1.9	
ILGA	ilgaz	25.44 310	eP	P	23 39 28.0	+1.9	
ANTO	Ankara	25.60 307	eP	P	23 39 27.5	+0.1	
ANTO	comp=Z,1.4nm,0.6s		eP	P	23 39 27.5	+0.1	
ANTO	Ankara	25.60 307	eP	P	23 39 27.5	+0.1	
ANTO	comp=Z,1.4nm,0.6s		eP	P	23 39 27.5	+0.1	
BR231	Keskin MP Arra	25.61 307	eP	P	23 39 28.1	+0.6	
BR231	Keskin MP Arra	25.61 307	eP	P	23 39 28.1	+0.6	
MAKZ	Makanchi	26.69 36	eP	P	23 39 37.3	+0.2	
MAKZ	Makanchi	26.69 36	eP	P	23 39 37.3	+0.2	
MAKZ	Makanchi	26.69 36	eP	P	23 39 37.3	+0.2	
MAKZ	Makanchi	26.69 36	eP	P	23 39 37.3	+0.2	
MK01	Makanchi Array	26.84 36	eP	P	23 39 38.8	+0.3	
MK01	Makanchi Array	26.84 36	eP	P	23 39 38.8	+0.3	
MK31	Makanchi Array	26.85 36	eP	P	23 39 39.0	+0.5	
MK31	Makanchi Array	26.85 36	eP	P	23 39 39.0	+0.5	
MK31	Makanchi Array	26.85 36	eP	P	23 39 39.0	+0.5	
MK31	Makanchi Array	26.85 36	eP	P	23 39 39.0	+0.5	
MKAR	Makanchi Array	26.85 36	eP	P	23 39 38.2	-0.3	
MKAR	comp=Z,2.1nm,0.5s,baz=225,slow=9.0,SNR=20		LR	LR	23 51 52.9		
MKAR	Makanchi Array	26.85 36	eP	P	23 39 39.0	+0.4	
BVAR	Borovyoye Array	27.16 15	P	P	23 39 42.6	-0.4	
BVAR	comp=Z,12nm,0.8s,baz=216,slow=10,SNR=88		LR	LR	23 52 09.3		
BRVK	Borovyoye	27.37 14	eP	P	23 39 42.7	-0.3	
BRVK	comp=Z,14nm,1.1s		eP	P	23 39 42.6	-0.5	
BRVK	Borovyoye	27.37 14	eP	P	23 39 42.6	-0.5	
BRVK	comp=Z,8.0nm,0.9s		eP	P	23 39 42.7	-0.3	
KURBB	Kurchatov Arr	27.84 27	P	P	23 39 46.9	-0.3	
KURBB	Kurchatov Arr	27.84 27	P	P	23 39 46.9	-0.3	
KURK	Kurchatov	27.94 27	P	P	23 39 46.9	-1.3	
KURK	Kurchatov	27.94 27	P	P	23 39 48.0	-0.2	
KURK	Kurchatov	27.94 27	P	P	23 39 48.0	-0.2	
PALK	Palleketo	28.11 130	LR	LR	23 50 38.9		
WMQ	Urumqi	28.26 36	eP	P	23 50 54.0	+1.5	
WMQ	comp=Z,2.3nm,0.6s		pP	pP	23 50 58.3	+1.5	
WMQ	comp=Z,2.3nm,0.6s		pP	pP	23 40 01.0	+5.4	
WMQ	comp=Z,240nm,5.7s		LR	LR			
WMQ	comp=N,64nm,19.5s		LR	LR			
VORD	Divnogorie	28.50 333	eP	P	23 39 51.9	-1.2	
VORD	Divnogorie	28.50 333	eP	P	23 39 51.9	-1.2	
VORD	Divnogorie	28.50 333	eP	P	23 39 51.9	-1.2	
VSR	Storozhevoye	28.74 333	eP	P	23 39 53.7	-1.6	
VSR	Storozhevoye	28.74 333	eP	P	23 39 53.7	-1.6	
ARU	Arti	29.52 359	d iP	P	23 40 01.0	-1.2	
ARU	Arti	29.52 359	d iP	P	23 40 01.0	-1.2	
ARU	Arti	29.52 359	d iP	P	23 40 01.0	-1.2	
SANT	Santorini	30.28 297	iP	P	23 40 12.2	+3.0	
IDI	Anoyia	30.60 294	eP	P	23 40 12.4	+0.4	
DGZ	Jazzator, Alta	31.35 36	iP	P	23 40 18.1	-0.5	
DGZ	Jazzator, Alta	31.35 36	iP	P	23 40 18.1	-0.5	
VRI	Vrincioiaia	32.10 315	iP	P	23 40 25.4	+0.3	
VRI	Vrincioiaia	32.10 315	iP	P	23 40 25.4	+0.3	
VRI	Vrincioiaia	32.10 315	iP	P	23 40 25.4	+0.3	
PLOR	Plostina	32.14 315	iP	P	23 40 25.4	+0.1	
PLOR	Plostina	32.14 315	iP	P	23 40 25.4	+0.1	
PLOR	Plostina	32.14 315	iP	P	23 40 25.4	+0.1	
SORM	Soroca	32.16 320	iP	P	23 40 24.2	-1.4	
SORM	Soroca	32.16 320	iP	P	23 40 24.2	-1.4	
TESR	Tescani	32.42 316	iP	P	23 40 27.9	0.0	
TESR	Tescani	32.42 316	iP	P	23 40 27.9	0.0	
MLR	Muntele Rosu	32.45 314	iP	P	23 40 27.7	-0.6	
MLR	Muntele Rosu	32.45 314	iP	P	23 40 27.8	-0.5	
MLR	Muntele Rosu	32.45 314	iP	P	23 40 28.6	+0.3	
MLR	Muntele Rosu	32.45 314	iP	P	23 40 27.8	-0.5	
MLR	Muntele Rosu	32.45 314	iP	P	23 40 27.8	-0.5	
MLR	Muntele Rosu	32.45 314	iP	P	23 40 30.2	-0.3	
OBN	Obninsk	32.74 336	eP	P	23 40 29.8	-0.7	
OBN	Obninsk	32.74 336	eP	P	23 40 42.8		
OBN	Obninsk	32.74 336	eP	P	23 45 47.0	0.0	
OBN	Obninsk	32.74 336	eP	P	23 48 05.6		
OBN	comp=Z,17nm,1.0s		MLR	MLR			
OBN	Obninsk	32.74 336	eP	P	23 40 30.2	-0.3	
ZALV	Zalesovo Beam	32.89 28	eP	P	23 40 31.0	-0.9	
ZALV</							

KURBB Kurchatov Arra 72.50 329 P P 00 05 47.0 -0.6
 1.5nm,0.5s,baz=131,slow=5.1,SNR=18

BVAR Borovoye Array 78.04 328 P P 00 06 18.7 -0.5
 0.6nm,0.5s,baz=123,slow=9.3,SNR=8.0

EKA Eskdalemuir Ar 119.231 PKP PKPdf 00 13 09.7 +1.2
 0.2nm,0.4s,baz=33,slow=4.3,SNR=3.3

DDA 13 00:02:34.0,36:80N:27:34E,h7km,M13.0
ISCJB 13 00:02:35.9,0.4,36:84N:02:27:44E,0.03,h6km,4km,
Error ellipse: s-maj=4.0km s-min=3.5km az=138.2
ATH 13 00:02:35.9,36:82N:27:42E,h16km,6km,M2.1/4,Error
ellipse: s-maj=6.3km s-min=1.3km az=211.0
ISK 13 00:02:35.7,36:84N:27:44E,h6km,M1.2,3/11
CSEM 13 00:02:36.0,1.1,36:84N:27:44E,h5km,M1.3,Error
ellipse: s-maj=3.1km s-min=2.5km az=20.0
ISC 13 00:02:35.9,0.8,36:83N:02:27:45E,0.02,h13km,5km,
h45,01544/69,Decadence Islands

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
DAT	Dataca	0.14 135	Op	00 02 39.2 -0.2	ISC
DAT	Dataca	0.14 135	SG	00 02 41.9 -0.1	ISC
DAT	Dataca	0.14 135	iP	00 02 39.2 -0.2	ISC
DAT	Dataca	0.14 135	iS	00 02 41.8 -0.2	ISC
DAT	Dataca	0.14 135	P	00 02 39.2 -0.2	ISC
DAT	Dataca	0.14 135	S	00 02 41.8 -0.2	ISC
BDRM	Kayabasi	0.24 358	iP	00 02 40.5 +0.2	ISC
BDRM	Kayabasi	0.24 358	iS	00 02 44.5 +0.4	ISC
BDRM	Kayabasi	0.24 358	P	00 02 40.5 +0.4	ISC
BDRM	Kayabasi	0.24 358	S	00 02 44.5 +0.4	ISC
BODT	Bodrum	0.26 334	Op	00 02 40.9 +0.4	ISC
BODT	Bodrum	0.26 334	SG	00 02 45.0 0.0	ISC
BODT	Bodrum	0.26 334	eSg	00 02 40.9 +0.4	ISC
BODT	Bodrum	0.26 334	eSg	00 02 45.0 0.0	ISC
NISR	Nisiros	0.34 230	P	00 02 41.6 -1.2	ISC
NISR	Nisiros	0.34 230	S	00 02 47.2 -0.1	ISC
NISR	Nisiros	0.34 230	AML	00 02 47.7	ISC
NISR	Nisiros	0.34 230	AML	00 02 48.6	ISC
NISR	Nisiros	0.34 230	P	00 02 42.0 -0.7	ISC
NISR	Nisiros	0.34 230	S	00 02 47.2 -0.1	ISC
MLSB	Milias	0.53 29	Op	00 02 46.5 +0.8	ISC
MLSB	Milias	0.53 29	SG	00 02 46.6 +0.3	ISC
MLSB	Milias	0.53 29	eP	00 02 46.6 +0.3	ISC
MLSB	Milias	0.53 29	eSg	00 02 54.2 +0.8	ISC
MRSB	Marmaris-Mugla	0.61 101	Op	00 02 48.0 +0.3	ISC
MRSB	Marmaris-Mugla	0.61 101	eP	00 02 48.0 +0.3	ISC
YER	Yerkeskik	0.73 65	eP	00 02 50.4 +0.4	ISC
YER	Yerkeskik	0.73 65	eP	00 02 50.4 +0.4	ISC
ARG	Arkhangelos	0.82 138	P	00 02 50.7 -1.0	ISC
ARG	Arkhangelos	0.82 138	S	00 03 04.5 +1.6	ISC
ARG	Arkhangelos	0.82 138	AML	00 03 05.6	ISC
ARG	Arkhangelos	0.82 138	AML	00 03 07.7	ISC
ARG	Arkhangelos	0.82 138	P	00 02 51.2 -0.5	ISC
ARG	Arkhangelos	0.82 138	eP	00 02 52.3 +0.4	ISC
ARG	Arkhangelos	0.82 138	eSg	00 02 52.3 +0.4	ISC
AYDN	Tasoluk	0.90 22	iP	00 02 52.5 -0.7	ISC
AYDN	Tasoluk	0.90 22	iS	00 03 05.0 +0.1	ISC
AYDN	Tasoluk	0.90 22	P	00 02 52.5 -0.7	ISC
AYDN	Tasoluk	0.90 22	S	00 03 05.0 +0.1	ISC
TURN	Turunc	0.92 87	Op	00 02 47.7 +0.0	ISC
TURN	Turunc	0.92 87	SG	00 02 58.0 -7.7	ISC
TURN	Turunc	0.92 87	iP	00 02 47.8 -5.9	ISC
TURN	Turunc	0.92 87	iS	00 02 58.8 -7.0	ISC
DALY	Dalyan (Mu'la	0.96 90	Op	00 02 54.2 +0.2	ISC
DALY	Dalyan (Mu'la	0.96 90	iP	00 02 54.2 +0.2	ISC
DALY	Dalyan (Mu'la	0.96 90	iS	00 03 08.1 +1.0	ISC
DALY	Dalyan (Mu'la	0.96 90	P	00 02 54.2 +0.2	ISC
DALY	Dalyan (Mu'la	0.96 90	S	00 03 08.1 +1.0	ISC
SMG	Samos	1.01 331	P	00 02 53.7 -1.6	ISC
SMG	Samos	1.01 331	S	00 03 09.9 0.0	ISC
SMG	Samos	1.01 331	AML	00 03 12.7	ISC
SMG	Samos	1.01 331	AML	00 03 13.1	ISC
SMG	Samos	1.01 331	P	00 02 54.3 -1.0	ISC
SMG	Samos	1.01 331	S	00 03 09.4 +1.0	ISC
AYDB	Zeytin koy-Aydi	1.17 17	PN	00 02 58.3 -0.1	ISC
AYDB	Zeytin koy-Aydi	1.17 17	ePn	00 02 58.3 -0.1	ISC
AMGA	Amorgos Island	1.25 271	P	00 02 58.9 -0.5	ISC
AMGA	Amorgos Island	1.25 271	S	00 03 16.8 +0.9	ISC
AMGA	Amorgos Island	1.25 271	AML	00 03 19.1	ISC
AMGA	Amorgos Island	1.25 271	AML	00 03 20.2	ISC
AMGA	Amorgos Island	1.25 271	P	00 02 59.0 -0.4	ISC
AMGA	Amorgos Island	1.25 271	S	00 03 16.4 +0.5	ISC
DGB	zmir	1.30 340	iP	00 02 58.3 -1.5	ISC
DGB	zmir	1.30 340	iS	00 03 15.7 -1.2	ISC
FETY	Fethiye	1.32 98	PN	00 03 02.1 +0.8	ISC
FETY	Fethiye	1.32 98	ePn	00 03 02.1 +0.8	ISC
TAVA	DENIZLI_Tavas	1.33 61	iP	00 03 01.4 +0.7	ISC
TAVA	DENIZLI_Tavas	1.33 61	iS	00 03 18.8 +0.1	ISC
TAVA	DENIZLI_Tavas	1.33 61	P	00 03 01.0 +0.7	ISC
TAVA	DENIZLI_Tavas	1.33 61	S	00 03 18.8 +0.1	ISC
APE	Apeiranthos	1.56 279	PN	00 03 04.6 -0.1	ISC
APE	Apeiranthos	1.56 279	P	00 03 04.4 +0.9	ISC
APE	Apeiranthos	1.56 279	P	00 03 04.7 +0.1	ISC
BLCB	Balcova	1.59 348	PN	00 03 04.9 -0.2	ISC
BLCB	Balcova	1.59 348	ePn	00 03 04.9 -0.2	ISC
IOSP	los island	1.74 267	P	00 03 09.6 +0.3	ISC
IOSP	los island	1.74 267	P	00 03 08.5 +0.8	ISC

KRNET 13 00:06:07.8,0.1,39:44N:73:54E,h11km,mb3.2
NNC 13 00:06:07.9,2.0,39:48N:73:75E,h0km,mb3.7,mpv3.3,
Error ellipse: s-maj=24.8km s-min=9.7km az=64.0
SOME 13 00:06:08.4,39:50N:73:40E,h5km
ISC 13 00:06:08.9,1.4,39:44N:02:06:73:59E,0.03,h10km,n39,
e=23/69,38C-9D,Tajikistan-Xinjiang border region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
SFK	Suffi-Kurgan	0.58 353	Op	00 06 18.7 -1.5	ISC
SFK	Suffi-Kurgan	0.58 353	iP	00 06 27.3 -0.5	ISC
SFK	Suffi-Kurgan	0.58 353	iS	00 06 19.2 -1.0	ISC
SFK	Suffi-Kurgan	0.58 353	Op	00 06 27.3 -0.5	ISC
DRK	Karamyk	1.39 272	iP	00 06 33.3 -1.7	ISC
DRK	Karamyk	1.39 272	iS	00 06 52.3 -1.2	ISC
ARSB	Arslanbob	1.94 346	eP	00 06 43.9 -0.5	ISC
ARSB	Arslanbob	1.94 346	iS	00 07 10.4 -0.9	ISC
BTK	Batken	2.22 287	iP	00 06 47.0 -2.2	ISC
BTK	Batken	2.22 287	iS	00 07 16.3 -0.5	ISC
TOKL	Toktogul	2.56 348	eP	00 06 52.3 -2.6	ISC
TOKL	Toktogul	2.56 348	iS	00 07 25.0 -1.5	ISC
ARK	Arkit	2.66 333	eP	00 06 53.3 -3.4	ISC
ARK	Arkit	2.66 333	iS	00 07 27.0 -2.5	ISC
AML	Almayashu	2.69 2	P	00 06 56.0 -1.4	ISC
AML	Almayashu	2.69 2	iP	00 06 55.0 -2.4	ISC
AML	Almayashu	2.69 2	iS	00 07 29.1 -1.5	ISC
UCH	Uchter	2.87 14	iP	00 06 57.6 -2.9	ISC
UCH	Uchter	2.87 14	iS	00 07 33.6 -2.3	ISC
KZA	Kyzart	2.92 25	P	00 07 00.5 -0.8	ISC
KZA	Kyzart	2.92 25	iP	00 06 58.5 -2.8	ISC
KZA	Kyzart	2.92 25	iS	00 07 35.1 -2.2	ISC

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
MNAS	Manas	3.15 345	Op	00 06 59.3 +0.6	ISC
MNAS	Manas	3.15 345	iP	00 07 00.8 +2.1	ISC
MNAS	Manas	3.15 345	iS	00 07 39.3 +2.8	ISC
EKS2	Erkin-Say	3.22 2	P	00 07 04.5 -1.8	ISC
EKS2	Erkin-Say	3.22 2	iP	00 07 02.0 +2.3	ISC
EKS2	Erkin-Say	3.22 2	iS	00 07 41.6 -4.0	ISC
AAK	Ala-Archa	3.27 12	PN	00 07 01.1 +0.8	ISC
AAK	Ala-Archa	3.27 12	iP	00 07 51.3	ISC
AAK	Ala-Archa	3.27 12	iS	00 07 02.6 +2.3	ISC
AAK	Ala-Archa	3.27 12	Op	00 07 42.7 +3.3	ISC
MRKS	Merke	3.32 355	eP	00 07 08.1 +0.3	ISC
MRKS	Merke	3.32 355	eS	00 07 50.8 +2.6	ISC
KBK	Karagaybulak	3.38 17	P	00 07 08.0 -0.9	ISC
KBK	Karagaybulak	3.38 17	iP	00 07 04.0 +2.2	ISC
KBK	Karagaybulak	3.38 17	iS	00 07 45.0 +3.0	ISC
ULHL	Ulahol	3.45 35	iP	00 07 05.4 +2.5	ISC
ULHL	Ulahol	3.45 35	iS	00 07 48.1 -4.2	ISC
BOOM	Boomsokoye usch	3.53 30	iP	00 07 06.5 +2.6	ISC
BOOM	Boomsokoye usch	3.53 30	iS	00 07 49.9 +4.1	ISC
CHMS	Chumysh	3.66 13	P	00 07 09.9 -3.9	ISC
TKM2	Tokmak 2	3.79 23	iP	00 07 09.0 +1.4	ISC
TKM2	Tokmak 2	3.79 23	iS	00 08 07.0	ISC
TKM2	Tokmak 2	3.79 23	P	00 07 10.3 -3.1	ISC
TKM2	Tokmak 2	3.79 23	iP	00 07 10.6 +3.0	ISC
TKM2	Tokmak 2	3.79 23	iS	00 07 55.9 +3.5	ISC
IUG	Iuzhnyay	3.82 316	eP	00 07 16.3 -0.1	ISC
IUG	Iuzhnyay	3.82 316	eS	00 08 03.7 +0.8	ISC
KST	Kastek	4.02 26	eP	00 07 23.2 -2.7	ISC
KST	Kastek	4.02 26	eS	00 08 17.1 -0.9	ISC
IZV	Izvestkoviy	4.26 31	eP	00 07 29.1 -1.3	ISC
IZV	Izvestkoviy	4.26 31	eS	00 08 27.6 +2.0	ISC
KK31	Karatay Array	4.33 329	Op	00 07 17.2 +2.4	ISC
KK31	Karatay Array	4.33 329	iP	00 07 26.6 +1.5	ISC
KK31	Karatay Array	4.33 329	iS	00 08 07.8 +2.3	ISC
KK31	Karatay Array	4.33 329	Op	00 08 26.7	ISC
TNSS	Tian-Shan	4.40 34	eP	00 07 32.7 -0.4	ISC
TNSS	Tian-Shan	4.40 34	eS	00 08 33.4 +3.3	ISC
MDOK	Mudon	4.54 34	iP	00 07 27.7 -1.1	ISC
MDOK	Mudon	4.54 34	iS	00 08 31.9	ISC
MDOK	Mudon	4.54 34	eP	00 07 34.2 -1.7	ISC
MDOK	Mudon	4.54 34	eS	00 08 36.4 +1.6	ISC
KOTS	Kotrybulak	4.63 34	eP	00 07 35.5 -2.0	ISC
KOTS	Kotrybulak	4.63 34	eS	00 08 38.3 +0.8	ISC
KTBS	Karatobe	4.86 28	eP	00 07 39.6 -2.3	ISC
KTBS	Karatobe	4.86 28	eS	00 08 45.1 +0.2	ISC
KUU	Kurdy	4.91 24	iP	00 07 39.8 -3.0	ISC
KUU	Kurdy	4.91 24	iS	00 08 45.4 -0.9	ISC
CHHK	Chushkaly	5.09 29	eP	00 07 44.0 -2.4	ISC
CHHK	Chushkaly	5.09 29	eS	00 08 52.8 +0.4	ISC
SATY	Saty	5.12 44	eP	00 07 44.9 -2.1	ISC
SATY	Saty	5.12 44	eS	00 08 55.6 +2.3	ISC

ISC 13 00:14:47.2,2.8,7:05S:129:87E,h78km,36km,mb3.3/2,
mb1 3.7/6,mb1mx3.3/50,mbtmp3.9/6,Error ellipse:
s-maj=69.4km s-min=23.2km az=92.0,Banda Sea

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
SJUI	Sorong	6.29 13	Op	00 16 17.4 -0.1	ISC
SJUI	Sorong	6.29 13	iP	00 17 25.0 -3.0	ISC
FITZ	Fitzroy Crossi	1.73 200	P	00 19 32.5 +0.8	ISC
FITZ	Fitzroy Crossi	1.73 200	P	00 19 33.6 -7.3	ISC
WRA	Warrungarra Arr	13.53 162	P	00 17 54.5 -1.5	ISC
WRA	Warrungarra Arr	13.53 162	P	00 20 16.0 -8.8	ISC
ASAR	Alce Springs	16.97 167	P	00 18 40.4 -0.8	ISC
ASAR	Alce Springs	16.97 167	S	00 21 39.2 -8.1	ISC
MKAR	Makanchi Array	68.19 327	P	00 25 39.5 +0.1	ISC
KURBB	Kurchatov Arra	72.48 329	P	00 26 05.3 -0.1	ISC

MEX 13 00:28:59.9,0.3,16:24N:98:17W,h13km,2km,MD3.7,
Near coast of Guerrero

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
PNIG	Pinotepa	0.16 15	Op	00 29 03.2 -0.5	ISC
PNIG	Pinotepa	0.16 15	iP	00 29 05.9 -0.5	ISC
TLIG	Tlapa	1.37 344	eP	00 29 21.4 -3.5	ISC
TLIG	Tlapa	1.37 344	eS	00 29 37.7 -5.2	ISC

MOS 13 00:38:19.5,0.9,56:28S:27:52W,h69km,mb5.2/8,Error
ellipse: s-maj=24.0km s-min=12.2km az=113.6
ISCJB 13 00:38:23.7,0.3,56:28S:02:

ASAR	comp=Z,0.6nm,0.8s,baz=192.51,SNR=4.1	PP	PP	00 55 50.6	-3.4
WRA	Warramunga Arr 102.51 163 P	Pdf		00 52 08.6	-0.4
WRA	comp=Z,0.2nm,0.6s,baz=197.1,SNR=6.9	PKIKP		00 56 29.1	-0.5
KIV	comp=Z,0.3nm,0.7s,baz=209.1,SNR=9.9	PKIKP		00 56 53.3	-0.8
KIV	Kislovodsk 115.98 49 i	PKIKP		00 57 19.8	
KIV		e	PPP	00 57 59.2	
KIV		e	ppm	01 00 30.1	
P18A	comp=Z,3.0nm,1.0s				
MSU	Preston North 118.23 300 ePKPdf	PKPdf		00 56 59.2	+0.3
MSU	Marystvale 118.31 297 ePKPdf	PKPdf		00 56 59.9	+0.9
PSUT	Marystvale 118.31 297 ePKPdf	PKPdf		00 57 01.9	+0.9
DUG	Pine Spring 119.29 296 ePKPdf	PKPdf		00 57 01.5	+1.2
ULM	Lugway, Tooele 119.29 296 ePKPdf	PKPdf		00 57 02.5	+0.6
ULM	Lac du Bonnet 120.31 316 PKP	PKPdf		00 57 01.1	-1.0
PD31	comp=Z,2.1nm,0.5s,baz=180.2,SNR=3.2				
PDAR	Pinedale Array 120.33 302 ePKPdf	PKPdf		00 57 01.9	-0.9
PDAR	Pinedale Array 120.33 302 PKP	PKPdf		00 57 01.6	-1.2
HWUT	comp=Z,0.6nm,0.5s,baz=138.5,SNR=9.8				
NBSA	Hardware Ranch 120.39 300 ePKPdf	PKPdf		00 57 02.9	+0.1
NGU	Big Grassy Mtn 120.59 299 ePKPdf	PKPdf		00 57 03.8	+0.6
NB2	NORSAR Subaru 120.92 21 PKPdf	PKPdf		00 57 02.2	-0.8
NV01	comp=Z,1.5nm,1.2s,baz=202.2,SNR=1.9				
NVAR	Mina Array Sit 121.33 293 ePKPdf	PKPdf		00 57 05.4	+0.6
NVAR	Mina Array Bea 121.33 293 PKP	PKPdf		00 57 05.7	+0.9
LOHW	comp=Z,1.6nm,0.7s,baz=134.5,SNR=12				
TPAW	Long Hollow 121.47 302 ePKPdf	PKPdf		00 57 05.1	+0.2
MOXY	Teton Pass 121.49 302 ePKPdf	PKPdf		00 57 05.5	+0.4
MOXY	Moose Ponds 121.64 302 ePKPdf	PKPdf		00 57 05.4	+0.2
FXXV	Fox Creek 121.69 302 ePKPdf	PKPdf		00 57 05.6	+0.3
LAO	LASA Array 121.81 307 ePKPdf	PKPdf		00 57 05.3	+0.1
IMW	Innan Meadow 121.84 302 ePKPdf	PKPdf		00 57 06.2	+0.5
BNB	Battle Mount 121.87 298 ePKPdf	PKPdf		00 57 07.0	+0.5
BMN	Battle Mount 122.29 295 ePKIKP	PKPdf		00 57 07.0	+0.5
OBN	Obninsk 122.67 38 ePKIKP	PKPdf		00 57 05.1	-1.3
OBN		e	PPP	00 58 43.5	
OBN		e	ppm	01 01 21.7	
GCMT	comp=Z,2.0nm,1.0s				
GRY	Greycliff 122.68 305 ePKPdf	PKPdf		00 57 07.6	+0.5
HRM	Limekiln Ridge 124.00 303 ePKPdf	PKPdf		00 57 10.6	+0.9
LRH	Holter Research 124.37 304 ePKPdf	PKPdf		00 57 11.0	+0.8
EGMT	Eggleston 124.39 306 ePKPdf	PKPdf		00 57 10.7	+0.5
WVOC	Wild Horse Val 124.78 306 ePKPdf	PKPdf		00 57 09.3	+0.3
FINES	FINES Array B 124.70 28 PKP	PKPdf		00 57 09.8	-0.3
CMAR	comp=Z,3.7nm,0.5s,baz=148.5,SNR=5.3				
CMAR	Chiang Mai Arr 125.15 111 PKP	PKPdf		00 57 12.4	0.0
MSO	comp=Z,0.9nm,0.3s,baz=239.3,SNR=8.4				
BMO	Missoula 125.44 303 ePKPdf	PKPdf		00 57 12.7	+0.4
BMO	Blue Mountains 125.60 299 ePKPdf	PKPdf		00 57 13.0	+0.4
BMO	Blue Mountains 125.60 299 ePKIKP	PKPdf		00 57 13.0	+0.4
K05A	Summer Lake 125.84 295 ePKPdf	PKPdf		00 57 14.4	+1.2
PINE	Pine Mountain 126.63 296 ePKPdf	PKPdf		00 57 16.4	+1.6
GOBA	Pilot Rock 126.73 298 ePKPdf	PKPdf		00 57 15.7	+0.9
ABKAR	Abkutak array 127.67 56 ePKPdf	PKPdf		00 57 16.2	0.0
KLMR	Klimovskoe 128.14 35 ePKIKP	PKPdf		00 57 15.8	-0.9
KLMR		e	ppm	00 58 43.5	
KLMR	Klimovskoe 128.14 35 ePKPdf	PKPdf		00 57 15.9	-0.8
KLMR		e	ppm	00 57 17.0	
KSH	comp=Z,6.0nm,1.4s				
KSH	Kashi 128.82 75 ePKP	PKPdf		00 57 18.2	-0.8
KSH		e	ppm	00 59 28.9	+1.2
LNH	Longmie 129.18 298 ePKPdf	PKPdf		00 57 20.0	+0.7
LNH	Longmie 129.18 298 ePKIKP	PKPdf		00 57 20.0	+0.7
PRGR	Pergome 130.72 37 ePKIKP	PKPdf		00 57 21.5	-0.1
ARCES	ARCES Array B 131.26 22 PKP	PKPdf		00 57 21.8	-0.7
ARU	comp=Z,1.2nm,0.5s,baz=183.5,SNR=13				
ARU	Arti 132.01 48 i PKIKP	PKPdf		00 57 22.8	-1.4
ARU		e	ppm	00 59 46.7	
BRVK	Borovoye 135.05 58 i PKIKP	PKPdf		01 17 18.9	+3.3
BVAR	Borovoye Array 135.08 58 PKP	PKPdf		00 57 30.2	+0.1
GYA	comp=Z,1.2nm,0.6s,baz=203.2,SNR=9.9				
GYA	Guliyang 135.74 113 ePKP	PKPdf		00 54 37.0	+0.5
GYA		e	ppm	00 57 33.0	+0.6
GYA		e	ppm	00 58 09.3	
GYA		e	ppm	01 00 16.2	+4.4
YKA	comp=Z,1.2nm,0.7s				
YKA	Yellowknife Arr 136.24 318 PKP	PKPdf		00 57 32.0	0.0
YKA	Yellowknife Arr 136.24 318 ePKIKP	PKPdf		00 57 32.0	0.0
MKAR	Makanchi Array 137.15 72 PKP	PKPdf		00 57 33.3	-0.9
MKAR	comp=Z,0.6nm,0.7s,baz=282.2,SNR=4.2				
MKAR		e	ppm	01 00 55.4	-1.4
KURK	Kurchatov 137.68 65 i PKIKP	PKPdf		00 57 37.9	+2.9
CH2	Chengdu 137.77 165 ePKP	PKPdf		00 57 46.1	+0.2
WMQ	Urumqi 138.14 79 ePKP	PKPdf		00 57 37.1	+0.9
WMQ		e	ppm	00 58 43.5	
WMQ	comp=Z,7.3nm,23.9s				
WMQ		e	ppm	00 58 43.5	
WMQ	comp=Z,6.7nm,22.5s				
WMQ		e	ppm	00 58 43.5	
DIB	comp=Z,3.8nm,18.3s				
DIB	Dawson Inlet, 138.57 299 ePKPdf	PKPdf		00 57 37.9	+1.3
DGZ	Jazzator, Alta 141.64 72 i PKIKP	PKPdf		00 57 42.1	-0.4
LZH	Lanzhou 141.74 101 ePKP	PKPdf		00 57 44.5	+1.3
LZH		e	ppm	00 58 22.1	
LZH		e	ppm	00 58 22.1	
LZH	comp=Z,4.9nm,18.0s				
LZH		e	ppm	00 58 22.1	
LZH	comp=Z,5.3nm,18.1s				
LZH		e	ppm	00 58 22.1	
NVS	comp=Z,6.7nm,20.0s				
NVS	Novosibirsk 142.33 62 ePKIKP	PKPpre		00 57 32.7	
ZALV	Zalesovo Beam 142.65 64 PKP	PKPdf		00 57 42.1	-1.8
ZALV	comp=Z,3.9nm,0.4s,baz=138.9,SNR=5.0				
ZALV	Zalesovo Beam 142.65 64 ePKPdf	PKPdf		00 57 45.4	+1.5
ZALV	Zalesovo Beam 142.65 64 ePKIKP	PKPdf		00 57 45.4	+1.5
WHN	Wuhan 142.94 118 PKP	PKPdf		00 57 39.6	-5.6
INK	Inuvik 145.89 320 ePKP	PKPdf		00 57 49.5	+0.4
INK	Inuvik 145.89 320 ePKP	PKPdf		00 57 49.5	+0.4
NJ2	Nanjing 146.36 122 ePKPbc	PKPbc		00 57 52.3	-0.2
DAWY	Dawson 146.83 312 ePKPbc	PKPbc		00 57 52.8	-0.2
EGAK	Eagle 147.78 313 ePKPbc	PKPbc		00 57 55.4	-0.1
DIV	Divide 148.65 305 ePKPbc	PKPbc		00 57 58.8	+0.9
KLJ	Klutina 148.94 305 ePKPbc	PKPbc		00 57 58.9	+0.9
PAX	Paxson 149.09 308 ePKPbc	PKPbc		00 57 59.5	+0.5
HHC	Hu-ho-hao-te 149.37 103 ePKPbc	PKPbc		00 57 54.9	-1.0
HHC		e	ppm	00 58 43.5	
SCM	comp=Z,120nm,5.1s				
SCM	Sheep Creek Mt 149.58 306 ePKPbc	PKPbc		00 58 01.2	+1.0
FYU	Fort Yukon 149.85 315 ePKPbc	PKPbc		00 58 01.5	+0.9
SML	Sawmill 150.03 305 ePKPbc	PKPbc		00 58 01.6	+0.3
ILAR	Eielson Array 150.15 311 PKP	PKPdf		00 57 53.4	-2.9
ILAR	comp=Z,0.8nm,0.8s,baz=351.1,SNR=8.4				
ILAR		e	ppm	00 58 01.3	-0.2
ILB	comp=Z,2.6nm,0.8s,baz=126.5,SNR=1.5				
ILB	Eielson Array 150.15 311 ePKPbc	PKPbc		00 58 01.5	0.0
RC01	Rabbit Creek A 150.47 303 ePKPbc	PKPbc		00 58 03.2	+0.9
CCB	Clear Creek Bu 150.51 311 ePKPbc	PKPbc		00 58 02.1	-0.2
ZAK	Zakamensk 150.57 81 ePKIKP	PKPbc		00 58 02.8	-0.2
ZAK		e	ppm	00 58 02.8	-0.2
MDM	comp=Z,6.0nm,1.1s				
MDM	Murphy Dome 150.75 312 ePKPbc	PKPbc		00 58 02.5	-0.4
KDAD	Kodiak Island 150.77 296 ePKPbc	PKPbc		00 58 03.5	+0.4
MCK	McKinley 150.79 309 ePKPbc	PKPbc		00 58 03.4	+0.4
MCK	McKinley 150.79 309 ePKPbc	PKPbc		00 58 03.4	+0.4
OHAK	Old Harbor 150.92 295 ePKPbc	PKPbc		00 58 02.5	-0.6
SONM	Songino Array 150.93 87 PKPbc	PKPbc		00 58 03.6	-0.4
SONA1	comp=Z,4.9nm,0.7s,baz=217.8,SNR=3.3				
SONA1	Songino Array 150.94 87 ePKPbc	PKPbc		00 58 03.6	-0.5
TRF	Thorfare Moun 151.32 308 ePKPbc	PKPbc		00 58 03.6	+0.2
TLY	Talaya 151.42 78 ePKIKP	PKPbc		00 58 05.3	+0.5
TLY		e	ppm	00 58 05.3	+0.5
SKT	comp=Z,2.0nm,0.6s				
SKT	Skwentna 151.54 305 ePKPbc	PKPbc		00 58 05.0	+0.2
RSO	Redoubt South 151.71 305 ePKPbc	PKPbc		00 58 05.0	+0.0
BPW	Bear Paw Mtn 151.76 309 ePKPbc	PKPbc		00 58 05.0	-0.2
TOLK	Toolik Lake Re 151.76 311 ePKPbc	PKPbc		00 58 05.5	+0.4
MLY	Manley 151.81 311 ePKPbc	PKPbc		00 58 04.6	-0.7
COLD	Coldfoot 151.88 316 ePKPbc	PKPbc		00 58 06.1	+0.7
PPLA	Purkeypile 152.04 307 ePKPbc	PKPbc		00 58 06.4	+0.4
CAST	Castle Rocks 152.05 307 ePKPbc	PKPbc		00 58 06.3	+0.3
CN2	Changchun 158.77 115 ePKP	PKPdf		00 58 10.0	+1.2

IDC 13 00:39:31.4.1.3,0.85N,125.32E,h0km,mb3.4/4,
mb1.3/6.4,mb1mx3.4/5.3,mbtmp3.5/4,MS3.3/1,Ms1.3/3.1,
ms1mx2.3/3.3,Error ellipse: s-maj=144.3km
s-min=21.3km az=68.0,Northern Molucca Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	h m s	ISC	
WRA	Warramunga Arr	22.48	157	P	00	44	32.1	-0.4
ASAR	Alice Springs	25.76	162	P	00	45	04.4	+0.4
NWAO	Narrogin (SRO)	34.45	192	LR	01	02	11.4	
SONM	Songino Array	49.60	343	P	00	48	24.8	+0.2
MKAR	Makanchi Array	59.15	327	P	00	49	33.6	-0.4

IDC 13 00:55:39.2.2.6,9.05N,123.02E,h0km,mb3.7/4,
mb1.3/9.4,mb1mx3.5/5.7,mbtmp3.7/4,MS3.4/2,Ms1.3/4.2,
ms1mx2.5/5.6,Error ellipse: s-maj=338.1km
s-min=21.8km az=64.0,Negros

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	h m s	ISC	
CMAR	Chiang Mai Arr	25.18	294	Op	01	10	36.5	
WRA	Warramunga Arr	30.89	159	P	01	01	57.5	-0.1
ASAR	Alice Springs	34.21	162	P	01	02	26.8	0.0
MKAR	Makanchi Array	51.11	325	P	01	04	43.7	-0.1
KURB	Kurchatov Arra	55.30	327	P	01	05	14.4	-0.1
OPO	Ambohitrampoto	79.64	249	LR	01	41	35.7	

ISCJB 13 00:57:53.4.0.4,0.7:52S:0:04:69:68W:0:04,h109km,5km,
mb4.5/28,Error ellipse: s-maj=7.2km s-min=6.5km
az=26.5

NEIC 13 00:57:57.2.1.1,17:60S:69:65

Q09A	Covington	59.14 347	P	P	01 07 43.0	-1.7
D38A	Diamond	59.15 337	P	P	01 07 45.1	+0.2
R41A	Rosehill	59.27 340	P	P	01 07 45.1	-0.6
S39A	Bolivar	59.38 338	P	P	01 07 45.9	-0.5
P44A	Sand Creek, Wi	59.52 343	P	P	01 07 45.6	-1.7
S38A	Stockton	59.54 338	P	P	01 07 47.1	-0.4
R40A	Maddies Station	59.56 339	P	P	01 07 47.1	-0.6
Q42A	Golden Eagle	59.57 341	P	P	01 07 47.1	-0.6
M54A	Oil Creek Stat	59.58 351	P	P	01 07 45.6	-2.1
O47A	Sheridan	59.61 345	P	P	01 07 46.4	-1.5
Q41A	Truxton	59.82 341	P	P	01 07 48.9	-0.5
R39A	Chumby, Stover	59.84 339	P	P	01 07 49.2	-0.3
P43A	Skaggs, Pawnee	59.94 342	P	P	01 07 48.9	-1.3
R38A	Fenwick Farm,	60.03 338	P	P	01 07 50.6	-0.2
P42A	Winchester	60.13 342	P	P	01 07 50.3	-1.2
Q40A	Laux Farm, Aux	60.13 340	P	P	01 07 50.9	-0.6
ERPA	Erie	60.22 351	P	P	01 07 51.4	-0.7
MSTX	Muleshoe	60.26 328	P	P	01 07 54.4	+1.7
N46A	Monticello	60.37 345	P	P	01 07 51.7	-1.4
P41A	Barry, Barry	60.43 341	P	P	01 07 52.2	-1.3
AMTX	Amarillo	60.47 330	P	P	01 07 54.3	+0.2
O43A	Sugar Creek Fa	60.48 343	P	P	01 07 52.0	-1.9
Q39A	Willow Grove F	60.48 339	P	P	01 07 53.6	-0.3
P40A	Paris	60.61 340	P	P	01 07 54.2	-0.6
Q38A	Cooks Store, C	60.62 339	P	P	01 07 54.7	-0.1
N44A	Piper City	60.63 344	P	P	01 07 53.1	-1.8
O41A	Passleys Farm,	60.78 341	P	P	01 07 54.3	-1.6
P39B	Salisbury	60.80 340	P	P	01 07 55.6	-0.5
O40A	La Belle	61.09 341	P	P	01 07 57.1	-0.9
P38A	Dawn	61.19 339	P	P	01 07 58.3	-0.4
N41A	Harden Midland	61.31 342	P	P	01 07 58.4	-1.1
P37A	Lathrop	61.44 338	P	P	01 08 00.2	-0.2
M43A	Waltham Townsh	61.45 344	P	P	01 07 58.8	-1.6
N40A	Mertquake, Sal	61.70 341	P	P	01 08 00.6	-1.5
WLVO	Wesleyville	61.79 353	P	P	01 08 02.1	-0.5
O37A	Wolven Farm, M	61.88 339	P	P	01 08 03.4	0.0
N39A	Derby Farms, D	61.98 340	P	P	01 08 03.0	-1.0
L43A	Garden Prairie	62.09 344	P	P	01 08 04.1	-0.5
LONV	Lake Ozonia	62.12 356	P	P	01 08 03.6	-1.3
N38A	Joes South For	62.14 340	P	P	01 08 04.1	-1.0
M40A	Post Highland	62.15 342	P	P	01 08 03.9	-1.2
L42A	Oliver, Polo	62.17 343	P	P	01 08 04.3	-1.0
DELO	Deloro Mine	62.28 354	P	P	01 08 04.2	-1.7
BASO	Ashfield	62.34 350	P	P	01 08 05.3	-1.0
BWLO	Walkerton	62.35 351	P	P	01 08 05.3	-1.1
M39A	Webster	62.42 341	P	P	01 08 05.9	-1.0
N37A	Lee Faris, Mou	62.43 339	P	P	01 08 06.9	-0.2
L41A	Preston	62.47 343	P	P	01 08 05.8	-1.4
K43A	Burlington	62.47 345	P	P	01 08 05.8	-1.4
PKME	Peaks-Kenny Pk	62.60 0	P	P	01 08 06.3	-1.7
L40A	Anamosa	62.67 342	P	P	01 08 07.5	-1.0
M38A	Pleasantville	62.69 340	P	P	01 08 07.8	-0.9
N36A	Muff Farm, Cla	62.74 339	P	P	01 08 09.5	+0.4
K42A	Prairie Point,	62.80 344	P	P	01 08 08.5	-0.9
K41A	Shullsburg	62.91 343	P	P	01 08 09.8	-0.3
TASL	Snake Pit, Alb	62.92 326	P	P	01 08 12.7	+2.0
ANMO	Albuquerque	62.92 326	P	P	01 08 12.7	+2.0
TASM	ASL Pad, Albuq	62.92 326	P	P	01 08 11.6	+1.0
L39A	Vinton	62.95 341	P	P	01 08 09.6	-0.9
M37A	Trindle Farm,	62.96 340	P	P	01 08 09.9	-0.6
J43A	Natural Harves	63.13 345	P	P	01 08 10.2	-1.4
SCIA	State Center	63.14 340	P	P	01 08 10.7	-1.0
SCIA	State Center	63.14 340	eP	P	01 08 11.3	-0.3
JFWS	Jewell Farm	63.17 343	P	P	01 08 11.1	-0.8
JFWS	Jewell Farm	63.17 343	eP	P	01 08 11.1	-0.8
K40A	Colesburg	63.23 342	P	P	01 08 11.3	-1.0
M36A	Felix, Anita	63.25 339	P	P	01 08 12.5	0.0
K39A	Odwein	63.45 342	P	P	01 08 12.7	-1.1
L37A	Phoenix Point,	63.51 340	P	P	01 08 12.8	-1.3
J41A	Loganville	63.53 344	P	P	01 08 13.9	-0.4
H43A	Langenfeld Bro	63.53 345	P	P	01 08 12.9	-1.4
I42A	Draeger Farm,	63.73 345	P	P	01 08 14.2	-1.3
J40A	Belmond	63.76 343	P	P	01 08 15.1	-0.7
L36A	Harm Buss Farm	63.78 339	P	P	01 08 15.2	-0.8
J39A	Decatur	63.98 342	P	P	01 08 16.5	-0.7
H43A	Windswept, Lux	63.99 346	P	P	01 08 15.6	-1.7
K37A	Belmond	64.05 341	P	P	01 08 16.8	-0.8
I41A	Arkdale	64.13 344	P	P	01 08 17.6	-0.6
I40A	Norwalk	64.18 343	P	P	01 08 18.2	-0.3
J38A	Wedel Dairy, R	64.19 342	P	P	01 08 17.5	-1.1
K36A	Gilmore City	64.19 340	P	P	01 08 18.5	-0.1
I42A	Shiocton	64.21 345	P	P	01 08 17.7	-1.0
H39A	Houston	64.40 343	P	P	01 08 19.8	-0.1
BGNE	Belgrade	64.42 337	P	P	01 08 20.0	-0.2

J37A	Redenvis Farm,	64.51 341	P	P	01 08 20.3	-0.4
H41A	Junction City	64.60 344	P	P	01 08 20.3	-0.8
SDCO	Great Sand Dun	64.60 329	P	P	01 08 22.6	+0.9
SDCO	Great Sand Dun	64.60 329	eP	P	01 08 22.5	+0.7
J36A	Seneca I, Snea	64.78 340	P	P	01 08 22.1	-0.3
H40A	Chili	64.80 344	P	P	01 08 21.8	-0.7
I38A	Scanlan Farm,	64.80 342	P	P	01 08 22.2	-0.4
G42A	Mountain	64.88 345	P	P	01 08 22.0	-1.0
H39A	Augusta	65.09 343	P	P	01 08 23.2	-1.2
F44A	Big Bay de Noc	65.12 347	P	P	01 08 23.1	-1.4
F43A	Flat Rock, Esc	65.14 347	P	P	01 08 23.3	-1.4
I36A	Fitzsimmons Fa	65.29 341	P	P	01 08 25.5	-0.2
G40A	Rib Lake	65.34 344	P	P	01 08 24.9	-1.1
H38A	Malden Park,	65.37 342	P	P	01 08 25.4	-0.8
H37A	Dierke Farm, C	65.47 342	P	P	01 08 26.9	-0.1
F41A	Three Lakes	65.51 345	P	P	01 08 26.6	-0.5
G39A	Holcombe	65.62 343	P	P	01 08 27.1	-0.7
H34A	Lone Tree Farm	65.62 347	P	P	01 08 27.2	-0.5
E43A	Jessenland, He	65.77 341	P	P	01 08 28.9	+0.1
COWI	Conover	65.85 345	eP	P	01 08 28.9	-0.4
E42A	Chapion	65.88 346	P	P	01 08 27.1	-2.4
ECSD	EROS Data Cent	65.89 339	P	P	01 08 29.7	+0.1
ECSD	EROS Data Cent	65.89 339	eP	P	01 08 29.4	-0.2
F40A	Park Falls	65.93 344	P	P	01 08 29.6	-0.2
SPMN	Marine on St.	66.02 342	P	P	01 08 29.9	-0.5
SNA4	Snaae	66.13 161	P	P	01 08 31.2	+0.3
F39A	Loretta	66.13 344	P	P	01 08 30.1	-1.0
E41A	Kenton	66.15 346	P	P	01 08 30.3	-0.9
H35A	Sunnyside Ranc	66.16 341	P	P	01 08 31.0	-0.3
ISCO	Idaho Springs	66.27 330	P	P	01 08 34.7	+2.2
ISCO	Idaho Springs	66.27 330	eP	P	01 08 33.3	+0.8
G36A	St. Michael	66.31 342	P	P	01 08 32.4	+0.2
E40A	Wakefield	66.36 345	P	P	01 08 32.5	0.0
F37A	Hinrichs Farm,	66.43 343	P	P	01 08 32.9	-0.1
F38A	Pierce - Schro	66.43 343	P	P	01 08 32.8	-0.2
E39A	Mellen	66.47 344	P	P	01 08 33.1	-0.1
D41A	Chassel	66.62 346	P	P	01 08 33.8	-0.3
F36A	Milaca	66.81 342	P	P	01 08 35.0	-0.4
E38A	The Farm, Brul	66.94 344	P	P	01 08 35.6	-0.6
E36A	McGregor	67.33 343	P	P	01 08 38.4	-0.2
C40A	Isle Royale Na	67.56 346	P	P	01 08 39.9	-0.1
D37A	Cotton	67.68 343	P	P	01 08 41.0	+0.1
E35A	Pequot Lakes	67.70 342	P	P	01 08 41.1	+0.1
C38A	Sawbill Land,	67.89 344	P	P	01 08 41.4	-0.8
D36A	Goodland	67.90 343	P	P	01 08 41.4	-0.9
F32A	Yelken	67.95 340	P	P	01 08 43.0	+0.4
LIC	Lamto	68.03 76	eP	P	01 08 43.4	-0.3
D35A	Renora	68.07 342	P	P	01 08 43.1	-0.3
C37A	Embarrass	68.14 344	P	P	01 08 43.4	-0.3
EYMN	Ely	68.16 344	P	P	01 08 43.4	-0.5
EYMN	Ely	68.16 344	eP	P	01 08 43.1	-0.8
TIC	Toumouid	68.19 75	eP	P	01 08 44.5	-0.3
KIC	Kosar Boka	68.34 76	eP	P	01 08 45.5	-0.2
C36A	Pine Crest Far	68.34 343	P	P	01 08 44.7	-0.3
DBIC	Dimbokro	68.35 75	P	P	01 08 45.9	+0.2
C35A	Jirik Farms, M	68.41 343	P	P	01 08 45.9	-0.8
C34A	RK Ranch, Bem	68.84 342	P	P	01 08 47.7	-0.4
RSSD	Black Hills	69.05 334	P	P	01 08 51.6	+1.9
B35A	Bob, Littlefor	69.14 343	P	P	01 08 49.6	-0.4
AGMN	Agassiz Nation	69.70 342	P	P	01 08 53.1	-0.3
AGMN	Agassiz Nation	69.70 342	eP	P	01 08 53.8	+0.4
TPNV	Topsh Spring	69.86 322	P	P	01 08 57.0	+2.2
BW06	Boulder Array	70.45 330	P	P	01 09 00.7	+2.3
PDAR	Pinedale Array	70.45 330	P	P	01 08 58.6	+0.3
ULM	Lac du Bonnet	71.45 343	P	P	01 09 03.6	-0.4
LAO	LASA Array	72.03 334	P	P	01 09 08.2	+0.6
LRMT	Red Lodge	72.11 332	P	P	01 09 09.6	+1.3
KOWA	Kowa	72.16 68	P	P	01 09 09.0	0.0
SCHO	Schefferville	72.22	P	P	01 09 08.0	-0.4
QSPA	South Pole Qui	72.53 180	P	P	01 09 11.2	+0.7
BOZ	Bozeman (W)	73.56 311	P	P	01 09 17.8	+1.0
MFID	Camas Ranch	74.06 327	eP	P	01 09 21.4	+1.7
EGMT	Eagleton	74.56 333	P	P	01 09 22.8	+0.3
VNDA	Vanda	80.51 190	P	P	01 09 56.8	+1.7
PAB	San Pablo	83.26 45	eP	P	01 10 10.3	+0.1
ESDC	Seneca Array	83.58 45	P	P	01 10 12.8	+0.9
YKA	Yellowknife Arr	87.34 341	P	P	01 10 30.2	+0.4
GERES	GERES Array B	98.40 42	P	P	01 11 22.6	-0.5
ASAR	Alice Springs	132.95 210	PKP	PKPdf	01 16 58.9	-0.1
WRA	Warramunga Arr	135.86 213	PKP	PKPdf	01 17 04.6	+0.2
ZALV	Zalesovo Beam	138.72 23	PKP	PKPdf	01 17 09.3	+0.7
MKAR	Makanochi Arr	142.80 32	PKP	PKPpre	01 17 12.8	
USRK	Ussuriysk Arr	147.87 330	PKPbc	PKPbc	01 17 29.0	+0.9
SONM	Songino Array	149.71 5	PKPbc	PKPbc	01 17 33.6	+0.8

CSEM 13 01:11:27.4 0.3, 38.45N-20.54E, h10km, ML1.4, Error ellipse: s-maj=8.9km s-min=5.0km az=87.0

ATH 13 01:11:27.7, 38.44N-20.60E, h13km, 2km, ML1.4/4, Error ellipse: s-maj=3.2km s-min=6.1km az=274.0

THE 13 01:11:28.3, 38.43N-20.63E, h8km, 1km, ML1.4/8, Error ellipse: s-maj=1.9km s-min=0.7km az=257.0, Greece

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h	ISC
FSK	Fiskardo	0.06	303	Op	ISC	h
FSK	Fiskardo	0.06	303	S	Pg	01 11 30.1
FSK	Fiskardo	0.06	303	S	Pg	01 11 31.0
FSK	Fiskardo	0.06	303	S	Pg	01 11 30.0
FSK	Fiskardo	0.06	303	S	Pg	01 11 31.7
EVGI	Lefkada island	0.20	6	P	Sg	01 11 32.0
EVGI	Lefkada island	0.20	6	S	Sg	01 11 34.9
EVGI	Lefkada island	0				

ISCJB 13 01:46:30.3-0.6,36:86N-104:120:24E:0:08,h10km,mb3.9/3,MS3.6/2,Error ellipse: s-maj=9.5km s-min=5.5km az=16.7

BUI 13 01:46:32.6,37:09N:120:00E,h8km,ML3.9/1/3, IDC 13 01:46:32.9-3.8,36:92N:120:17E,h0km,mb4.0/3, mb1.4/4,mb1mx3.4/68,mbtmbp3.9/4,ML3.5/1,MS3.1/3, Ms1.3/1.3,ms1mx2.5/72,Error ellipse: s-maj=108.7km s-min=21.7km az=5.0

ISC 13 01:46:33.0-0.7,36:97N-104:120:17E:0:05,h10km,n13,r1564/13,mb4.1/3,Southen China

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Dalian, Tai'an, Beijing, Nanjing, Korea Array, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Chiawan, Chorzow, Ojcow, Yeheng, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Chorzow, Ojcow, Ostrava-Krasne, etc.

ISCJB 13 02:00:07.5-0.5,24:66N-103:122:57E:0:02, h105km,4km,Error ellipse: s-maj=4.4km s-min=2.9km az=176.8

JMA 13 02:00:07.2-0.2,24:61N:122:55E,h112km,2km,M2.5 TAP 13 02:00:07.3,24:70N:122:58E,h110km,ML3.4,C

ISC 13 02:00:07.7-1.5,24:67N-103:122:57E:0:03,h108km,8km,n172,r0561/124,6C-1D,Taiwan region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Yonagunijimaku, EOS1, YOJ, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Shihlin, Tech, Kuro-shima, etc.

DJA 13 02:05:20.9-0.5,3:53S-129:9E,h11km,5km,M4.2/9, mb4.6/1,mb5.4/1,MLV4.0/Mw(MB)4.9/1

NEIC 13 02:05:22.8-0.8,2:82S:129:22E,h35km,mb4.1/1, Error ellipse: s-maj=46.9km s-min=9.9km az=74.0

IDC 13 02:05:24.7-3.7,2:92S:129:08E,h56km,37km,mb3.7/4, mb1.4/0.7,mb1mx3.5/58,mbtmbp4.1/7,ML3.9/3,MS3.1/8, Ms1.3/1.8,ms1mx2.8/55,Error ellipse: s-maj=30.1km s-min=12.1km az=79.0

ISC 13 02:05:21.3-0.8,2:77S:129:22E:0:05,h33km,n24,r1556/23,mb4.0/5,Seram

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

CSEM 13 02:09:39.9-0.7,37:33N-43:86E,h2km,ML2.4, Error ellipse: s-maj=18.6km s-min=8.0km az=114.0

ISN 13 02:09:39.3-0.3,37:26N-43:70E,h0km,ML2.5

ISK 13 02:09:39.7,37:34N-43:81E,h5km,ML2.4/1,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cukurca, etc.

U46A	Springville	53.34	77	P	P	02 50 35.5 -0.1
240A	Hunter Patters	53.35	85	P	P	02 50 35.9 +0.2
V45A	Humboldt	53.35	78	P	P	02 50 35.3 -0.3
ACSO	Alum Creek Sta	53.41	70	P	P	02 50 35.5 -0.5
P50A	Jamesstown	53.41	71	P	P	02 50 35.4 -0.6
141A	Papa Simpson,	53.41	84	P	P	02 50 36.6 +0.4
T47A	Sharon Grove	53.48	76	P	P	02 50 36.3 -0.2
T47A	Sharon Grove	53.48	76	eP	P	02 50 36.4 -0.2
TRQ	Mont Tremblant	53.52	60	eP	P	02 50 36.1 -0.7
Y43A	MaKayla and Ka	53.52	87	P	P	02 50 37.3 0.0
S48A	Wiedeman Farm,	53.57	75	P	P	02 50 36.8 -0.5
X44A	Crenshaw	53.58	80	P	P	02 50 37.1 -0.3
ORIO	Orleans, Innes	53.59	61	P	P	02 50 36.6 -0.7
W45A	Hickory Valley	53.64	79	P	P	02 50 37.8 0.0
ERPA	Erie	53.66	67	P	P	02 50 37.7 -0.2
ERPA	Erie	53.66	67	eP	P	02 50 38.0 +0.2
WVT	Waverly	53.69	77	P	P	02 50 37.8 -0.4
WVT	Waverly	53.69	77	eP	P	02 50 38.0 -0.2
WVT	Waverly	53.69	77	eP	pmax	02 50 38.0 -0.2
MEDO	Medina	53.71	65	P	P	02 50 38.6 +0.4
HKT	Hockley	53.72	89	eP	P	02 50 39.5 +1.1
HKT	Hockley	53.72	89	eP	pmax	02 50 39.5 +1.1
U47A	Clarksville	53.77	77	P	P	02 50 38.6 -0.2
V46A	Holladay	53.77	78	P	P	02 50 38.5 -0.3
ALFO	Alfred	53.78	60	P	P	02 50 37.7 -0.9
T48A	Bowling Green	53.78	75	P	P	02 50 38.4 -0.4
241A	Mo Tay, Golden	53.84	85	P	P	02 50 40.0 +0.7
241A	Mo Tay, Golden	53.84	85	eP	P	02 50 40.1 +0.8
Q50A	Georgetown	53.86	72	P	P	02 50 38.9 -0.4
ALLY	Alegheny Colle	53.91	67	eP	P	02 50 39.8 +0.1
Y44A	Strider, Charl	53.94	81	P	P	02 50 40.0 0.0
OXF	Oxford	53.99	80	eP	P	02 50 39.9 -0.4
OXF	Oxford	53.99	80	eP	pmax	02 50 39.9 -0.4
142A	Monroe	54.00	83	P	P	02 50 40.7 +0.3
X45A	UM Field Stati	54.06	80	P	P	02 50 40.5 -0.3
Q51A	Peebles	54.07	72	P	P	02 50 40.5 -0.4
V47A	Nunnely	54.09	77	P	P	02 50 40.6 -0.5
W46A	Michie	54.11	79	P	P	02 50 40.8 -0.4
U48A	Cassie Pea, Po	54.13	76	P	P	02 50 41.3 -0.1
143A	Socs Landing,	54.19	83	P	P	02 50 42.0 +0.2
143A	Socs Landing,	54.19	83	eP	P	02 50 42.7 +0.9
341A	Kurthwood	54.21	85	P	P	02 50 42.5 +0.5
341A	Kurthwood	54.21	85	eP	P	02 50 42.7 +0.8
242A	Grayson	54.24	84	P	P	02 50 42.4 +0.2
M54A	Oil Creek Stat	54.26	67	P	P	02 50 41.9 -0.3
M54A	Oil Creek Stat	54.26	67	eP	P	02 50 42.1 -0.1
T49A	Edmonton	54.26	75	P	P	02 50 41.6 -0.6
T49A	Edmonton	54.26	75	eP	P	02 50 42.2 -0.1
MMNY	Mt. Morris Dam	54.30	65	eP	P	02 50 42.8 +0.0
Z44A	Pea Ridge, Bel	54.32	82	P	P	02 50 42.6 -0.1
Y45A	Yeager Farm, C	54.39	81	P	P	02 50 43.0 -0.2
PLAL	Pickwick Lake	54.39	78	eP	P	02 50 42.9 -0.4
X46A	Booneville	54.42	79	P	P	02 50 43.1 -0.4
R51A	Hillsbor	54.46	72	P	P	02 50 43.7 0.0
W47A	Westpoint	54.46	78	P	P	02 50 43.2 -0.5
N54A	Moraine State	54.48	68	P	P	02 50 43.4 -0.4
N54A	Moraine State	54.48	68	eP	P	02 50 43.4 -0.4
V48A	Smith Brothers	54.54	77	P	P	02 50 43.6 -0.7
V48A	Smith Brothers	54.54	77	eP	P	02 50 43.9 -0.4
U49A	Red Boiling Sp	54.55	76	P	P	02 50 44.0 -0.4
LONY	Lake Ozonia	54.65	61	P	P	02 50 44.1 -0.8
LONY	Lake Ozonia	54.65	61	eP	P	02 50 44.2 -0.8
342A	Flaggon Creek P	54.66	85	P	P	02 50 45.7 +0.6
Z45A	Winona	54.67	81	P	P	02 50 45.0 -0.2
Z45A	Winona	54.67	81	eP	P	02 50 45.5 +0.2
T50A	Nancy	54.70	74	P	P	02 50 45.1 -0.3
HHC	Hu-ho-hao-te	54.73	292	eP	pmax	02 50 42.6 -3.1
HHC	Hu-ho-hao-te	54.73	292	eP	pmax	02 50 42.6 -3.1
243A	Waterproof	54.76	84	P	P	02 50 46.2 +0.4
Y46A	Houston	54.76	80	P	P	02 50 45.7 -0.2
144A	Alexander Plac	54.80	82	P	P	02 50 46.4 +0.2
X47A	Russelville	54.85	79	P	P	02 50 45.6 -1.0
W48A	Pulaski	54.91	78	P	P	02 50 46.4 -0.6
S51A	Beattyville	54.94	73	P	P	02 50 46.5 -0.6
S51A	Beattyville	54.94	73	eP	P	02 50 47.0 -0.2
FRNY	Flat Rock	54.99	60	eP	P	02 50 46.1 -1.3
V49A	McMinnville	55.03	76	P	P	02 50 47.3 -0.5
VBMS	Vicksburg	55.05	83	P	P	02 50 48.1 +0.1
VBMS	Vicksburg	55.05	83	eP	P	02 50 48.4 +0.4
244A	Avery, Jackson	55.09	83	P	P	02 50 48.6 +0.4
442A	Mamou	55.09	85	P	P	02 50 49.1 +0.8
145A	Houston Renfro	55.10	82	P	P	02 50 48.1 -0.2
ARCES	ARCCESS Array B	55.19	356	P	P	02 50 47.7 -0.7

SS2A	Salyersville	55.19	73	P	P	02 50 48.3 -0.6
Z46A	Louisville	55.22	81	P	P	02 50 49.0 -0.2
NCB	Newcomb	55.29	61	eP	P	02 50 49.3 -0.3
W49A	Belvidere	55.30	77	P	P	02 50 49.1 -0.7
Y47A	UCPARC, Winfie	55.31	79	P	P	02 50 49.3 -0.6
X48A	Hartselle	55.36	78	P	P	02 50 49.3 -0.9
X48A	Hartselle	55.36	78	eP	P	02 50 49.3 -0.9
SWET	Sewanee	55.41	77	eP	P	02 50 50.0 -0.6
ZAIG	Zacatecas	55.43	100	eP	P	02 50 52.2 +1.0
MCWV	Mont Chateau	55.49	69	P	P	02 50 50.7 -0.4
MCWV	Mont Chateau	55.49	69	eP	P	02 50 51.1 0.0
344A	Westbrook Farm	55.50	83	P	P	02 50 51.8 +0.6
344A	Westbrook Farm	55.50	83	eP	P	02 50 52.0 +0.8
LNIG	Linares	55.52	96	eP	P	02 50 50.6 -0.8
V50A	Pikeville	55.54	76	P	P	02 50 50.9 -0.6
245A	Litt AP Sta	55.54	82	P	P	02 50 51.6 +0.1
146A	Union	55.57	81	P	P	02 50 51.6 -0.1
TS2A	Hallie	55.66	73	P	P	02 50 52.1 -0.2
BINY	Binghamton	55.67	64	P	P	02 50 52.6 +0.2
BINY	Binghamton	55.67	64	eP	P	02 50 52.7 +0.4
Y48A	Jasper	55.68	79	P	P	02 50 51.4 -1.1
Z47A	Carrollton	55.71	80	P	P	02 50 52.2 -0.5
X49A	Woodville	55.71	78	P	P	02 50 51.9 -0.7
O56A	Blue Knob Stat	55.73	67	P	P	02 50 52.1 -0.7
O56A	Blue Knob Stat	55.73	67	eP	P	02 50 52.6 -0.2
TZTN	Tazewell	55.76	74	P	P	02 50 52.7 -0.3
TZTN	Tazewell	55.76	74	eP	P	02 50 52.8 -0.3
W50A	Signal Mountai	55.77	76	P	P	02 50 52.6 -0.5
W50A	Signal Mountai	55.77	76	eP	P	02 50 52.7 -0.5
SSPA	Standing Stone	55.82	67	P	P	02 50 53.2 -0.1
SSPA	Standing Stone	55.82	67	eP	P	02 50 53.3 -0.1
V51A	Loudon	55.86	75	P	P	02 50 53.1 -0.6
V51A	Loudon	55.86	75	eP	P	02 50 53.5 -0.2
Z48A	Northport	55.86	79	P	P	02 50 53.0 -0.8
543A	St. Martinville	55.89	85	P	P	02 50 54.6 +0.6
147A	Livingston	55.98	81	P	P	02 50 54.0 -0.6
147A	Livingston	55.98	81	eP	P	02 50 54.6 0.0
ACCN	Adirondack Com	55.99	62	eP	P	02 50 54.6 +0.1
345A	Thompson Farm,	56.01	83	P	P	02 50 55.0 +0.1
CPCT	Cooper Cave	56.02	76	eP	P	02 50 54.3 -0.6
444A	Pine Grove	56.05	84	P	P	02 50 54.9 -0.2
X50B	Fort Payne	56.13	77	P	P	02 50 54.9 -0.8
Y49A	Blount Mountai	56.15	78	P	P	02 50 54.8 -1.0
Y49A	Blount Mountai	56.15	78	eP	P	02 50 54.9 -1.0
LBNH	Lisbon	56.24	60	P	P	02 50 55.1 -1.2
LBNH	Lisbon	56.24	60	eP	P	02 50 55.9 -0.4
LBNH	Lisbon	56.24	60	eP	pmax	02 50 55.9 -0.4
V52A	Sevierville	56.25	75	P	P	02 50 56.0 -0.5
V52A	Sevierville	56.25	75	eP	P	02 50 56.2 -0.3
247A	Quitman	56.25	81	P	P	02 50 56.8 +0.3
346A	Big Creek Wild	56.27	82	P	P	02 50 56.7 +0.1
TKL	Tuckaleechee C	56.28	75	P	P	02 50 56.5 -0.3
TKL	Tuckaleechee C	56.28	75	eP	P	02 51 52.3 +0.5
TKL	Tuckaleechee C	56.28	75	eP	P	02 51 52.3 +0.5
TKL	Tuckaleechee C	56.28	75	eP	pmax	02 51 52.3
148A	Greensboro	56.40	80	P	P	02 50 56.5 -1.1
U53A	Fall Branch	56.42	73	P	P	02 50 57.5 -0.3
LRAL	Lakeview Retre	56.43	79	P	P	02 50 56.5 -1.3
LRAL	Lakeview Retre	56.43	79	eP	P	02 50 56.6 -1.1
X51A	Calhoun	56.49	76	P	P	02 50 57.4 -0.8
X51A	Calhoun	56.49	76	eP	P	02 50 57.9 -0.3
Y50A	Piedmont	56.50	78	P	P	02 50 57.3 -1.0
Z49A	Columbiana	56.57	79	P	P	02 50 57.8 -1.0
W52A	Murphy	56.62	75	P	P	02 50 58.3 -0.9
W52A	Murphy	56.62	75	eP	P	02 50 58.8 -0.4
248A	Dixon Mills	56.71	81	P	P	02 50 59.8 0.0
N59A	State Game Lan	56.72	65	P	P	02 50 59.9 +0.1
PKME	Peaks-Kenny Pk	56.77	57	P	P	02 50 59.4 -0.6
446A	Poplarville	56.77	83	P	P	02 50 60.0 -0.2
347A	Saraland	56.78	82	P	P	02 51 00.4 +0.2
V53A	Saluda	56.80	74	P	P	02 51 00.2 -0.3
V53A	Saluda	56.80	74	eP	P	02 51 00.3 -0.2
Y51A	Rockmart	56.87	77	P	P	02 50 59.7 -1.2
Z50A	Ashland	56.87	78	P	P	02 50 59.9 -1.0
Z50A	Ashland	56.87	78	eP	P	02 50 60.0 -1.0
149A	Jones	56.87	79	P	P	02 51 00.1 -0.8
BLA	Blacksburg	56.97	71	P	P	02 51 01.3 -0.3
BLA	Blacksburg	56.97	71	eP	P	02 51 01.9 +0.3
BLA	Blacksburg	56.97	71	eP	pmax	02 51 01.9 +0.3
W53A	Cullowhee	56.98	75	P	P	02 51 00.8 -0.9
X52A	Dahlonega	57.00	76	P	P	02 51 01.1 -0.7

645A	Chauvin	57.08	85	P	P	02 51 02.6 +0.2
348A	Jackson	57.13	81	P	P	02 51 02.7 0.0
348A	Jackson	57.13	81	eP	P	02 51 03.1 +0.3
249A	Camden	57.15	80	eP	P	02 51 02.5 -0.3
LUPA	Louisiana Univer	57.16	65	eP	P	02 51 03.4 +0.6
447A	Lucedale	57.17	82	P	P	02 51 03.1 +0.1
NJ2	Nanjing	57.18	280	eP	pmax	02 51 03.7 +0.6
ODNJ	Ogdensburg	57.20	64	eP	P	02 51 03.4 +0.4
BG3	Lake Jocassee	57.24	75	eP	P	02 51 03.1 -0.3
BG3	Lake Jocassee	57.24	75	eP	P	02 51 03.1 -0.3
Z51A	Franklin	57.24	78	eP	P	02 51 02.2 -1.3
150A	Eclectic	57.30	79	P	P	02 51 02.7 -1.2
X53A	Estanolee	57.40	75	P	P	02 51 04.0 -0.6
Y52A	Lilburn	57.45	76	P	P	02 51 04.1 -0.9
Y52A	Lilburn	57.45	76	eP	P	02 51 04.5 -0.4
BRNJ	Basking Ridge	57.51	64	eP	P	02 51 05.8 +0.6
448A	Bay Minette	57.52	82	P	P	02 51 05.

KLMR	Klimovskoe	62.60 347 eP	P	02 51 37.8 -1.7
KLMR	Klimovskoe	62.60 347 eP	pmax	02 51 39.1
857A	Zephyrhills	62.71 79 P	P	02 51 40.6 -0.1
758A	Lake Helen	62.75 78 P	P	02 51 41.0 0.0
BVAR	Borovoye Array	62.99 327 P	P	02 51 42.1 -0.1
BVAR	Borovoye	63.00 327 eP	pP	02 52 26.8 +0.4
BRVK	Borovoye	63.00 327 eP	pP	02 51 39.7 -2.6
BRVK	Borovoye	63.00 327 eP	pP	02 52 26.7 +0.2
BRVK	Borovoye	63.00 327 eP	pmax	02 51 42.7 +0.4
957A	Wimauma	63.17 80 P	P	02 51 43.8 +0.1
FINES	FINES Array B	63.23 355 P	P	02 51 42.6 -1.0
FINES	FINES	63.23 355 P	pP	02 52 27.5 -0.4
DWPR	Disney Wildern	63.28 79 P	P	02 51 44.1 -0.4
ARU	Arti	63.28 335c IP	pP	02 51 45.6 +1.5
ARU	Arti	63.28 335c IP	pP	02 52 29.5 +1.2
ARU	Arti	63.28 335c IP	SS	03 00 03.8 +3.6
ARU	Arti	63.28 335c IP	SS	03 04 07.1 -1.9
859A	Kempfer Cattle	63.62 78 P	P	02 51 46.5 -0.2
NC405	NORSAR Array S	63.79 2 eP	P	02 51 47.9 +0.5
NB2	NORSAR Subarra	63.85 3 P	pP	02 52 32.5 +0.4
058A	Arcadia	63.88 80 P	P	02 51 48.1 -0.3
MKAR	Makanchi Array	63.93 316 P	P	02 51 47.0 -1.5
MKAR	Makanchi Array	63.93 316 P	pP	02 52 32.4 -0.5
959A	Okechobee	64.04 79 P	P	02 51 49.7 +0.3
WMQ	Umequi	64.07 310 P	P	02 51 49.2 -0.3
WMQ	Umequi	64.07 310 P	pmax	
WMQ	Umequi	64.07 310 P	pmax	
WMQ	Umequi	64.07 310 P	pmax	
WMQ	Umequi	64.07 310 P	pmax	
059A	Moore Haven	64.32 79 P	P	02 51 51.2 -0.1
059A	Ave Maria	64.64 80 P	P	02 51 53.5 +0.1
HFS	Hagfors	64.81 1 P	P	02 51 53.3 -0.7
HFS	Hagfors	64.81 1 P	pP	02 52 39.1 +0.7
060Z	West Palm Beac	65.09 79 P	P	02 51 56.3 +0.1
061Z	Ochopoi	65.31 80 P	P	02 51 57.8 +0.1
CCIG	Comitan	66.49 95 eP	P	02 52 06.6 +1.1
GYA	Gulyang	66.26 285 eP	pmax	02 52 17.5 +1.0
EKA	Eskdalemuir Ar	68.53 12 P	P	02 52 17.0 -0.6
EKA	Eskdalemuir Ar	68.53 12 P	pP	02 52 17.0 -0.6
OBN	Obninsk	68.57 347 eP	pmax	02 52 17.5 -2.0
OBN	Obninsk	68.57 347 eP	pmax	
ABKAR	Akbulak array	69.42 331 eP	pP	02 52 22.9 -0.2
KMI	Kunming	71.47 287 P	P	02 52 37.1 +0.9
KMI	Kunming	71.47 287 P	pmax	
KSH	Kashi	72.54 315 eP	P	02 52 43.8 +1.6
CLL	Colim	73.64 2 eP	P	02 52 48.0 -0.3
AKASG	Malin Array Be	73.70 351 P	pP	02 52 47.3 -1.3
AKASG	Malin Array Be	73.70 351 P	pP	02 53 37.7 -0.4
KIEV	Kiev	73.71 351 eP	pP	02 52 47.1 -1.6
KIEV	Kiev	73.71 351 eP	pP	02 53 34.2 0.0
KIEV	Kiev	73.71 351 eP	pP	02 52 47.7 -0.9
KHC	Kasperske Hory	75.83 2 eP	pP	02 53 47.5 +0.8
GERES	GERES Array B	76.12 2 P	P	02 53 01.2 -1.4
GERES	GERES	76.12 2 P	pP	02 53 49.6 +1.1
VYHS	Vyhne	76.46 358 eP	P	02 53 03.6 -0.9
VYHS	Vyhne	76.46 358 eP	P	02 53 03.6 -0.9
BUR04	Bucovina Ar.	77.07 354 eP	P	02 53 07.9 -0.1
BUR04	Bucovina Ar.	77.07 354 eP	pP	02 53 54.9 +1.0
KIV	Kislovodsk	78.46 341 eP	pmax	02 53 15.3 -0.3
KIV	Kislovodsk	78.46 341 eP	pmax	
KBZ	Khabaz	78.64 340 P	P	02 53 17.5 +0.9
KBZ	Khabaz	78.64 340 P	pP	02 54 03.3 +0.7
NCK	Nalchik	78.73 340 IP	P	02 53 17.3 +0.2
NCK	Nalchik	78.73 340 IP	pmax	
CMAR	Chiang Mai Arr	78.91 286 P	P	02 53 18.6 +0.2
CMAR	Chiang Mai Arr	78.91 286 P	pP	02 54 04.8 +0.2
OBIG	Olispado Poce	79.49 74 P	P	02 53 22.7 +1.1
SJG	San Juan	79.68 73 eP	P	02 53 23.3 +0.7
SJG	San Juan	79.68 73 eP	pmax	
AKT	Akhty	79.78 336 eP	P	02 53 23.2 +0.3
AKT	Akhty	79.78 336 eP	pP	02 53 29.7 +0.7
AKT	Akhty	79.78 336 eP	pP	02 54 11.3 +2.2
AKT	Akhty	79.78 336 eP	pmax	
AKT	Akhty	79.78 336 eP	pmax	
MTP	Monte Pirata	80.02 73 eP	P	02 53 25.3 +0.9
ES19	SONSECA Array	83.77 15 eP	P	02 53 43.8 0.0
ES19	SONSECA Array	83.77 15 eP	pP	02 54 31.5 +1.1
ESDC	Sonsec Array	83.79 15 P	P	02 53 43.7 -0.1
ESDC	Sonsec Array	83.79 15 P	pP	02 54 31.3 +0.8
BRTR	Reskin Array B	84.06 346 eP	P	02 53 45.0 -0.3
BRTR	Reskin Array B	84.06 346 eP	pP	02 54 32.7 +0.8
SDV	Santo Domingo	84.70 82 eP	P	02 53 49.0 +0.1
RUSC	La Rusia	85.75 86 eP	P	02 53 54.3 -0.2
CTAO	Charters Tower	86.19 226 eP	P	02 53 55.2 -0.6
CTAO	Charters Tower	86.19 226 eP	pP	02 53 58.3 -0.7
MTN	Mananton Dam	86.82 242 eP	pP	02 54 45.7 -0.2
OTAV	Otavalo	87.30 93 eP	P	02 54 03.1 +1.1
OTAV	Otavalo	87.30 93 eP	pmax	
WRAB	Tennant Creek	91.32 236 eP	P	02 54 18.8 -1.2
WRAB	Tennant Creek	91.32 236 eP	pmax	02 54 18.4 -1.6
WRAB	Tennant Creek	91.32 236 eP	pmax	

WB2	Warramunga Arr	91.33 236 eP	P	02 54 18.9 -1.1
WRA	Warramunga Arr	91.33 236 P	P	02 54 18.9 -1.1
WRA	Warramunga Arr	91.33 236 P	pP	02 55 07.4 +0.1
ASAR	Alice Springs	94.73 234 P	P	02 54 34.6 -1.0
PLCA	Paso Flores	124.08 114 PKP	PKP	03 00 11.2 0.0
TRQA	Torquinst	126.75 106 ePKP	PKP	03 00 15.6 -0.7
TRQA	Torquinst	126.75 106 ePKP	PKP	03 00 15.6 -0.7
QSPA	South Pole Qui	145.16 180 PKP	PKP	03 00 49.1 -0.3
QSPA	South Pole Qui	145.16 180 PKP	PKP	03 00 48.5 -0.8

MEX 13 02:44:35.3±0.4, 27.98N×112.03W, h5km, 6km, MD3.8, Baja California

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SRIG	Santa Rosalia	0.68	196	eP	ISC	h m s ISC
SRIG	Santa Rosalia	0.68	196	eP	Pg	02 44 47.9 -1.1
GUYB	Guaymas	1.03	94	eP	Pg	02 44 50.5 -2.5
GUYB	Guaymas	1.03	94	eP	Sg	02 45 02.7 -2.7
HSIG	Huixtla	1.41	42	eP	Pg	02 44 58.0 -3.6
HSIG	Huixtla	1.41	42	eP	Sb	02 45 15.5 -4.9

MEX 13 03:26:51.3±0.7, 14.37N-94.03W, h10km, MD3.9, Off coast of Chiapas

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PCIG	Palenque	1.54	31	Op	ISC	h m s ISC
PCIG	Palenque	1.54	31	Op	Pg	03 27 15.0 -3.9
THIG	Tapachula	1.79	72	eP	Pg	03 27 33.8 -5.3
THIG	Tapachula	1.79	72	eP	Pn	03 27 33.8 -5.3
TGIG	Tuxtla Gutierrez	2.55	20	eP	Pg	03 27 30.7 -2.1
TGIG	Tuxtla Gutierrez	2.55	20	eP	Pn	03 28 00.4 -3.6
CCIG	Comitan	2.64	44	eP	Pg	03 27 32.1 -3.0
CCIG	Comitan	2.64	44	eP	Pn	03 28 02.6 -3.8

IDC 13 03:28:19.4±1.2, 2.97S-129.37E, h0km, mb3.7/3, mb1 4.1/5, mb1mx3.5/59, mbtmp3.9/5, ML4.1±2.0, Error ellipse: s-maj=34.5km s-min=22.8km amp=88.0, Seram

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SIJI	Sorong	2.82	42	Op	ISC	h m s ISC
SIJI	Sorong	2.82	42	Op	Pg	03 29 06.3 +0.5
SIJI	Sorong	2.82	42	Op	Sn	03 29 39.9 -0.7
FITZ	Fitzroy Crossi	15.47	193	Pn	Pg	03 32 02.1 -1.7
WRA	Warramunga Arr	17.55	164	P	Pn	03 32 24.8 -0.9
ASAR	Alice Springs	21.04	168	P	P	03 33 05.3 +0.3
MKAR	Makanchi Array	64.54	326	P	P	03 38 58.3 -0.1
KURBB	Kurchatov Arra	68.78	328	P	P	03 39 25.4 +0.1

ISC/JB 13 03:41:06.4±0.8, 7.79S; 124.90E±0.05, h10km, mb3.8/2, Error ellipse: s-maj=8.8km s-min=7.1km az=15.1, IDC 13 03:41:07.2±1.4, 7.73S; 124.67E, h0km, mb3.7/2, mb1 4.2/5, mb1mx3.7/56, mbtmp4.0/5, ML5.9/3, MS2.9/4, Ms1 2.9/4, ms1mx2.5/47, Error ellipse: s-maj=40.3km s-min=15.4km az=95.0, DJA 13 03:41:12.9±0.7, 8°S; 124°E±0.05, h16km, 5km, M4, 1/7, mb5.0/2, mb4.4/3, MLV4.0/7, MW(MB)4.4/2, ISC 13 03:41:09.9±1.1, 7.77S; 124.82E±0.06, h10km, n16, az=268/17, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SOEI	Soe	2.04	195	Op	ISC	h m s ISC
SOEI	Soe	2.04	195	Op	Pg	03 41 46.6 +2.1
SOEI	Soe	2.04	195	Op	Sg	03 42 11.8 +1.7
BATI	Baumata	2.67	205	Pg	Pn	03 41 55.9 +2.8
BATI	Baumata	2.67	205	Pg	Lg	03 42 31.6
BATI	Baumata	2.67	205	Pg	Pn	03 41 55.4 +2.3
BATI	Baumata	2.67	205	Pg	Pn	03 41 55.4 +2.3
MMRI	Mamare	2.69	251	Sg	Pn	03 42 24.2 -1.8
MMRI	Mamare	2.69	251	Sg	Pg	03 42 38.4 +1.9
EDFI	Ende, Flores	3.24	252	P	Pn	03 42 00.2 -0.8
NLAI	Namlea	5.04	27	P	Pn	03 42 28.8 +3.1
BKSI	Bukumba	5.36	297	P	Pn	03 42 28.3 -0.4
SPSI	Sidrap Palu	6.29	307	P	Pn	03 42 44.2 +1.4
FITZ	Fitzroy Crossi	10.29	176	Pn	Pn	03 43 36.3 -1.5
FITZ	Fitzroy Crossi	10.29	176	Pn	Sn	03 45 25.8 -7.5
FITZ	Fitzroy Crossi	10.29	176	Pn	LR	03 47 16.8
WRA	Warramunga Arr	15.21	144	Pn	Pn	03 44 43.5 -1.5
WRA	Warramunga Arr	15.21	144	Pn	Sg	03 47 27.4 -6.3
ASAR	Alice Springs	18.05	152	P	Pn	03 45 22.1 +1.1
ASAR	Alice Springs	18.05	152	P	Sn	03 48 34.1 -8.4
STKA	Stephens Creek	28.62	149	LR	LR	04 01 32.9
CMAR	Chiang Mai Arr	36.49	316	LR	LR	04 04 33.1
KSR5	Korea Array	45.9	3	LR	LR	04 10 10.0
SONM	Songino Array	57.72	345	P	P	03 50 59.0 -2.0
MKAR	Makanchi Array	66.17	329	P	P	03 51 56.1 -1.6

ISC/JB 13 03:47:17.5±0.7, 38.28N±0.06; 70.49E±0.07, h23km, mb3.7/10, MS2.9/5, Error ellipse: s-maj=8.6km s-min=7.6km az=155.0, NNC 13 03:47:21.2±2.6, 38.56N; 70.66E, h0km, mb4.6, mpv4.3, Error ellipse: s-maj=20.8km s-min=14.8km az=11.0, IDC 13 03:47:21.2±5.4, 38.42N; 70.67E, h33km, 36km, mb3.6/10, Ms1 3.8/17, mb1mx3.6/71, mbtmp3.9/17, ML3.4/7, MS2.9/4, Ms1 2.9/10, ms1mx2.7/64, Error ellipse: s-maj=35.3km s-min=15.8km az=12.0, ISC 13 03:47:19.4±1.0, 38.30N±0.09; 70.57E±0.07, h23km, n35, az=171/31, mb3.8/10, MS3.0/5, 11C-7D, Afghanistan-Tajikistan border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SFK	Sufi-Kurgan	2.85	52	Op	ISC	h m s ISC
SFK	Sufi-Kurgan	2.85	52	Op	Pn	03 48 06.3 +2.6
SFK	Sufi-Kurgan	2.85	52	Op	Lg	03 48 47.3
TAS	Tashkent	3.19	342	Op	Lg	03 48 10.9 +2.8
TAS	Tashkent	3.19	342	Op	Lg	03 48 54.1
MNAS	Manas	4.44	19	Op	Pn	03 48 25.7 +0.2
MNAS	Manas	4.44	19	Op	Sn	03 49 17.8 +1.3
MNAS	Manas	4.44	19	Op	Lg	03 49 33.8
AML	Almalyshy	4.52	31	P	Pg	03 49 20.9 +2.2
KK31	Karatay Array	4.80	359	Op	Pn	03 48 28.5 -1.9
KK31	Karatay Array	4.80	359	Op	Pb	03 48 41.6 -1.2
KK31	Karatay Array	4.80	359	Op	Pn	03 49 27.1 +1.9
KK31	Karatay Array	4.80	359	Op	Lg	03 49 42.8
KK31	Karatay Array	4.80	359	Op	Pn	03 48 38.4 +5.2
KZA	Kyzyl	5.21	42	P	Pb	03 48 43.5 -6.5

AAK	Ala-Archa	5.27 33 Pn	Pn	03 48 38.2 +1.3
AAK	Ala-Archa	5.27 33 Pn	Lg	03 50 01.3
KBK	Karagaybulak	5.49 36 P	Pn	03 48 45.0 +5.1
CHMS	Chumysh	5.67 33 P	Pn	03 48 48.6 +6.3
USP	Ospenovka	5.79 30 P	Pn	03 48 49.1 +5.2
TKM2	Tokmak 2	6.00 38 Op	Pn	03 48 47.1 +0.2
TKM2	Tokmak 2	6.00 38 Op	Sn	03 49 56.3 +1.3
TKM2	Tokmak 2	6.00 38 Op	Lg	03 50 22.3
TKM2	Tokmak 2	6.00 38 Op	Pn	03 48 51.6 +4.6
MKAR	Makanchi Array	12.11 42 Pn	Pn	03 50 09.6 -0.9
MKAR	Makanchi Array	12.11 42 Pn	LR	03 54 59.0
AB31	Akbulak array	13.36 328 Op	Pn	03 50 28.1 +0.5
AB31	Akbulak array	13.36 328 Op	Sn	03 52 56.5 +1.3</

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like PMG Port Moresby, COEN Coen, MANU Manus Island, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like JOW Kunigami, NGJI Ngawi, PCJI Pacitan, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MONP2 Monument Peak, ISA Isabella Lake, ISA Isabella Lake, etc.

KVN	Kaiserville	80.13	43	eP	P	05 01 50.7 +1.1
KVN	Kaiserville	80.13	43	eP	Pmax	05 01 50.7 +1.1
COR	Corvallis	80.16	36	eP	P	05 01 50.8 +1.4
COR	Corvallis	80.16	36	eP	Pmax	05 01 50.8 +1.4
I04A	Tendick Farm, baz=233,SNR=19	80.19	38	P	P	05 01 50.5 +0.8
214A	Organ Pipe Nat baz=241	80.20	52	P	P	05 01 51.7 +1.7
TPNV	Topopah Spring baz=238,SNR=38	80.24	46	eP	P	05 01 51.5 +1.3
TPNV	Topopah Spring	80.24	46	eP	Pmax	05 01 51.5 +1.3
HSIG	comp=Z,98nm,0.9s	80.26	55	eP	P	05 01 51.8 +1.5
CN2	Changchun	80.33	322	uP	P	05 01 50.8 +0.6
CN2				eP	P	05 03 58.0 -2.7
CN2				eS	Pmax	05 11 08.6 +2.8
CN2	comp=Z,60nm,0.6s				Pmax	
MOD	Modoc Plateau	80.33	40	eP	P	05 01 51.7 +1.1
PDMC1	Parker Dam,Lak baz=240,SNR=12	80.37	49	P	P	05 01 52.2 +1.5
KLR	Kul'dur	80.44	329	dIP	P	05 01 51.2 +0.5
K05A	Summer Lake	80.45	39	eP	P	05 01 52.8 +1.6
G03D	McMinville,OR	80.57	36	P	P	05 01 52.7 +1.3
J05D	Fort Rock,OR baz=234,SNR=51	80.58	38	P	P	05 01 53.3 +1.5
CNPM	China Poot	80.62	14	eP	P	05 01 51.4 0.0
SHPR	Sheep Range	80.76	47	eP	P	05 01 54.4 +1.5
WHN	Wuhan	80.84	306	uP	Pmax	05 01 53.6 +0.4
F03A	Seaside	80.85	35	eP	P	05 01 54.2 +1.3
H04A	Detroit Lake	80.86	37	eP	P	05 01 53.9 +0.8
BRLK	Bradley Lake	80.91	14	eP	P	05 01 52.9 -0.1
W13A	Hualapai Mount	80.95	49	eP	P	05 01 55.4 +1.4
Y14A	Wickenburg	81.02	50	eP	P	05 01 55.5 +1.3
PINE	Pine Mountain	81.05	38	eP	P	05 01 55.7 +1.5
I05D	Terrebonne,OR baz=234,SNR=32	81.14	38	P	P	05 01 55.7 +1.2
RSO	Redoubt South	81.14	13	eP	P	05 01 53.8 -0.5
SVW2	Sparrowhawk	81.18	11	eP	P	05 01 53.8 -0.4
E03A	Lebam	81.22	35	eP	P	05 01 55.8 +1.0
F04D	Rainier,OR baz=232	81.24	35	P	P	05 01 56.3 +1.4
R11A	Troy Canyon, C baz=239,SNR=43	81.42	45	P	P	05 01 57.1 +0.8
R11A	Troy Canyon, C	81.42	45	eP	P	05 01 57.0 +0.8
DIB	Dawson Inlet,	81.43	26	eP	P	05 01 56.5 +0.8
BMN	Battle Mountai	81.44	43	eP	P	05 01 57.6 +1.3
BMN	Battle Mountai	81.44	43	eP	Pmax	05 01 57.6 +1.3
TIA	Tai'an	81.52	312	P	Pmax	05 01 56.8 +0.2
MA2	Magadan	81.55	345	P	P	05 01 55.6 -0.6
MA2	Magadan	81.55	345	eP	P	05 01 55.7 -0.4
MA2	Magadan	81.55	345	eP	Pmax	05 01 55.7 -0.4
LVP	Lakeview Peak	81.56	36	eP	P	05 01 57.8 +1.1
NLWA	Neilton Lookou	81.59	34	eP	P	05 01 57.9 +1.2
WVOR	Wild Horse Val	81.66	40	eP	P	05 01 58.6 +1.3
WVOR	Wild Horse Val	81.66	40	eP	Pmax	05 01 58.6 +1.3
G05D	Wamic,OR baz=234,SNR=15	81.68	37	P	P	05 01 58.2 +1.0
TUC	Tucson	81.89	52	P	P	05 02 00.7 +2.0
TUC	Tucson	81.89	52	eP	P	05 02 00.6 +2.0
TUC	Tucson	81.89	52	eP	Pmax	05 02 00.6 +2.0
GAMB	Gambell	81.94	3	eP	P	05 01 58.7 +0.8
I07A	Izée	82.06	39	eP	P	05 02 00.7 +1.4
G06A	Carlson Farm, comp=Z,42nm,0.8s	82.07	37	eP	P	05 02 00.1 +0.8
J08A	Circle Bar Ran	82.27	40	eP	P	05 02 01.5 +1.2
LON	Longmire	82.31	35	eP	P	05 02 00.9 +0.5
LON	Longmire	82.31	35	eP	Pmax	05 02 00.9 +0.5
LCMT	Little Creek M	82.34	47	eP	P	05 02 02.2 +1.3
RC01	Rabbit Creek A	82.36	14	eP	P	05 01 60.0 -0.2
X16A	Lo Mia Camp, P comp=Z,31nm,1.0s	82.38	50	P	P	05 02 02.4 +1.1
D05A	Enumclaw	82.47	35	eP	P	05 02 02.5 +1.5
SUA	Susitna One	82.47	13	eP	P	05 02 00.4 -0.5
SIV1	Saibi	82.50	271	P	P	05 01 56.3 -5.7
CCUT	Cedar City	82.53	47	eP	P	05 02 03.5 +1.6
PGC	Sidney	82.59	33	eP	P	05 02 02.8 +1.2
319A	Douglas	82.61	54	eP	P	05 02 03.8 +1.5
BBB	Bella Bella	82.61	29	eP	P	05 02 02.5 +0.8
PSUT	Pine Spring	82.62	46	eP	P	05 02 03.7 +1.1
U15A	North Rim	82.73	48	eP	P	05 02 04.7 +1.7
SZCU	Shurtz Canyon	82.74	47	eP	P	05 02 04.4 +1.5
SKT	Skwerina	82.77	12	eP	P	05 02 01.0 -1.2
CRAG	Craig	82.83	24	eP	P	05 02 04.0 +1.4
F07A	Phinny Hill Vi	82.86	37	eP	P	05 02 04.5 +1.5
PMR	Palmer	82.94	14	eP	P	05 02 02.7 -0.3
PMR	Palmer	82.94	14	eP	Pmax	05 02 02.7 -0.3
WUAZ	Wupatki	82.95	49	P	P	05 02 05.4 +1.4
WUAZ	Wupatki	82.95	49	eP	P	05 02 05.5 +1.6
A04D	Lummi Island, baz=232,SNR=7.7	83.02	33	P	P	05 02 04.9 +1.1
B05A	Bryant	83.06	34	P	P	05 02 04.9 +0.9
G08A	Pilot Rock	83.07	38	eP	P	05 02 05.2 +0.9
KULM	Kulim	83.12	278	eP	P	05 02 05.8 +0.7

PKCU	Pink Cliffs	83.21	47	eP	P	05 02 07.6 +2.2
E07A	Sunnyside	83.28	36	eP	P	05 02 06.8 +1.6
SML	Sawmill	83.31	14	eP	P	05 02 04.7 -0.3
SML	Sawmill	83.31	14	eP	Pmax	05 02 04.7 -0.3
DIV	Divide	83.33	15	eP	P	05 02 05.0 -0.2
HAWA	Hanford	83.37	37	eP	P	05 02 06.9 +1.3
PPLA	Purkeypille	83.47	12	eP	P	05 02 04.4 -1.5
B18M	Bremner River	83.49	16	eP	P	05 02 06.0 +0.1
X18A	Snowflake	83.53	51	eP	P	05 02 08.5 +1.6
MAW	Mawson	83.54	200	P	P	05 02 07.0 +0.9
MAW	Mawson	83.54	200	P	Pmax	05 02 07.0 +0.9
B06A	Marblemount	83.54	34	eP	P	05 02 06.8 +0.5
SCM	Sheep Creek M	83.56	14	eP	P	05 02 06.3 0.0
SCM	Sheep Creek M	83.56	14	eP	Pmax	05 02 06.3 0.0
HPIG	comp=Z,178nm,1.4s	83.58	59	eP	P	05 02 09.0 +1.7
MTPU	Mount Pierson	83.58	47	eP	P	05 02 09.3 +2.0
KLU	Kuile	83.61	15	eP	P	05 02 06.6 +1.1
E08A	Dider Farm, El	83.69	37	eP	P	05 02 08.2 +1.1
BMO	Blue Mountain	83.80	39	eP	P	05 02 08.4 +0.5
BMO	Blue Mountain	83.80	39	eP	Pmax	05 02 08.4 +0.5
MSU	Maui	83.82	46	eP	P	05 02 09.9 +1.6
WRAK	Wrangell Island	83.82	24	eP	P	05 02 08.2 +0.7
WTV	Waterville	83.89	35	eP	P	05 02 08.9 +0.7
MFID	Camas Ranch	83.92	41	eP	P	05 02 09.5 +0.9
W18A	Petrified Fore	83.95	50	eP	P	05 02 10.3 +1.3
W18A	Petrified Fore	83.95	50	eP	P	05 02 10.3 +1.3
PSI	Prapat	83.95	275	P	P	05 02 08.6 -0.7
PSI	Prapat	83.95	275	eP	P	05 02 08.7 -0.7
CASI	Castle Rocks	83.97	12	eP	P	05 02 06.6 -1.5
BJT	Baijiatuu	84.06	315	eP	P	05 02 09.7 +0.6
BJI	Beijing	84.06	315	uP	Pmax	05 02 09.5 +0.4
D08A	Dolan	84.09	36	eP	P	05 02 10.1 +0.9
SEY	Seymchan	84.13	347	P	P	05 02 08.8 -0.2
SEY	Seymchan	84.13	347	dIP	P	05 02 08.5 -0.4
DUG	Dugway, Tooele	84.21	44	eP	P	05 02 10.8 +0.7
DUG	Dugway, Tooele	84.21	44	eP	Pmax	05 02 10.8 +0.7
E09A	Wood Farm, Sta	84.23	37	eP	P	05 02 10.5 +0.7
121A	Cookes Peak, D	84.26	53	P	P	05 02 12.4 +1.9
TRF	Thorfare Mount	84.35	12	eP	P	05 02 09.2 -1.0
BGU	Big Grassy Moun	84.43	44	eP	P	05 02 12.2 +1.1
JIS	Juneau Island	84.45	22	eP	P	05 02 11.2 +0.6
F10A	Beach Ranch, E	84.46	38	eP	P	05 02 11.5 +0.4
ENH	Enshi	84.50	304	eP	P	05 02 12.2 +0.7
BESE	Bessie Mountain	84.51	21	eP	P	05 02 12.1 +1.1
ZAIG	Zacatecas	84.54	64	eP	P	05 02 14.5 +2.3
HARP	Harp	84.58	15	eP	P	05 02 11.6 +0.4
MOIG	Morelia	84.58	67	eP	P	05 02 14.2 +1.8
NLU	North Lily Min	84.58	45	eP	P	05 02 13.3 +1.3
LLBL	Lillooet	84.60	32	eP	P	05 02 12.3 +0.7
B08A	Colville Reser	84.61	35	eP	P	05 02 11.9 +0.2
GSI	Gungungitoli	84.76	273	P	P	05 02 07.4 -5.8
GSI	Gungungitoli	84.76	273	eP	P	05 02 14.2 +1.0
BPAW	Bear Paw Mtn,	84.80	12	eP	P	05 02 10.5 -1.7
TMUT	Trail Mountain	84.86	46	eP	P	05 02 15.1 +1.6
HLID	Halley	84.87	41	P	P	05 02 14.6 +1.3
HLID	Halley	84.87	41	eP	P	05 02 14.7 +1.3
C09A	Chrisman Ranch	84.88	36	eP	P	05 02 13.7 +0.8
MCK	McKinley	84.88	13	eP	P	05 02 11.9 -0.7
MCK	McKinley	84.88	13	eP	Pmax	05 02 11.9 -0.7
MPU	Maple Canyon	84.91	45	eP	P	05 02 14.6 +1.1
SPUT	South Promonto	85.00	44	eP	P	05 02 14.8 +0.9
HVU	Hansel Valley	85.02	43	eP	P	05 02 15.1 +1.1
HVU	Hansel Valley	85.02	43	eP	Pmax	05 02 15.1 +1.1
SKAG	Skagway	85.02	20	eP	P	05 02 14.4 +1.1
CTU	Camp Tracy	85.16	44	eP	P	05 02 15.9 +1.2
BWN	Browne	85.16	12	eP	P	05 02 13.5 -0.4
SRU	San Rafael Swe	85.24	46	eP	P	05 02 16.1 +1.0
SRU	San Rafael Swe	85.24	46	eP	Pmax	05 02 16.1 +1.0
GYA	Guyang	85.25	300	eP	P	05 02 16.8 +1.4
GYA				pP	P	05 04 28.5 +0.5
GYA				pP	P	05 05 29.0 -1.5
GYA				pP	P	05 05 48.4 +2.9
GYA				SKS	SKSac	05 11 41.3 -0.5
GYA				S	Pmax	05 11 55.0 -0.2
JLU	Jordanelle	85.32	45	eP	P	05 02 16.4 +0.9
ZEA	Zeya	85.52	331	eP	P	05 02 16.8 +1.0
ZEA				Pmax	Pmax	
LAZ	Ladron	85.55	52	eP	P	05 02 18.1 +1.3
LEN1	Lenin	85.57	52	eP	P	05 02 18.1 +1.3
Y22D	IRIS PASSCAL I	85.57	52	P	P	05 02 18.5 +1.7
Y22E	IRIS PASSCAL I	85.57	52	P	P	05 02 18.4 +1.6
TCUT	Toone Canyon	85.59	44	eP	P	05 02 17.5 +0.7

P18A	Preston Tunnel	85.67	46	eP	P	05 02 18.3 +1.0
MLY	Manley	85.68	11	eP	P	05 02 15.3 -1.1
WRH	Wood River Hill	85.71	13	eP	P	05 02 15.7 -0.8
HWUT	Hardware Ranch	85.72	44	eP	P	05 02 17.9 +0.5
TPTI	Tornados Mount	85.75	275	P	P	05 02 12.6 -5.3
MNTX	Corunadas Mount	85.75	55	eP	P	05 02 19.0 +1.5
MVCO	Mesa Verde	85.79	49	P	P	05 02 18.4 +0.6
MVCO	Mesa Verde	85.79	49	eP	P	05 02 18.3 +0.5
BNM	Barnes	85.82	52	eP	P	05 02 19.3 +1.2
LPM	Los Pinos Moun	85.89	52	eP	P	05 02 19.9 +1.6
PV09	Paradox Valley	85.92	47	eP	P	05 02 19.6 +1.1
CCB	Clear Creek Bu	85.92	13	eP	P	05 02 16.6 -0.9
PV03	Paradox Valley	86.01	48	eP	P	05 02 19.5 +0.7
PV02	Paradox Valley	86.06	48	eP	P	05 02 19.9 +0.8
COLA	College	86.11	13	eP	P	05 02 17.5 -0.8
COLA	College	86.11	13	eP	Pmax	05 02 17.5 -0.8
DLBC	Dease Lake	86.14	23	eP	P	05 02 19.4 +0.6
TX31	Lajitas Ar. Si	86.15	58	eP	P	05 02 21.8 +2.2
TXAR	Lajitas Array	86.16	58	eP	P	05 02 21.7 +2.1

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PSMA Santa Maria, MYKA Terra Mystica, PSMM Pico Norte, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like RLS Riolos of Patr, EVGI Lefkada island, FSF Fiskardo, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DIY Diyarbakir, DIYA Siyan-Diyarba, SVAN Siyan-Diyarba, etc.

Table with columns: Call Sign, Station Name, Az, AzZ, Phase ID, Time, Res, and other parameters. Includes stations like WAKE ISLAND, Talaya, Lanzhou, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and other parameters. Includes stations like Chorzw, Ojcow, Moravsky Berou, etc.

MOS 13 05:18:01.2, 1.0, 0.40N, 123.65E, h198km, mb5.0/38, Error ellipse: s-maj=13.9km s-min=6.7km az=114.4

BUL 13 05:18:01.5, 0.40N, 123.80E, h189km, mb4.8/62, mb4.8/34 Error ellipse: s-maj=11.6km s-min=7.0km az=71.0

NEIC 13 05:18:03.6, 0.4, 0.40N, 123.80E, h201km, mb4.9/47, Error ellipse: s-maj=6.0km s-min=3.7km az=65.0

IDC 13 05:18:03.7, 1.3, 0.36N, 123.68E, h204km, 11km, mb4.5/32, mb1.4/5.35, mb1mx4.3/60, mbtmp5.0/35, Error ellipse: s-maj=11.6km s-min=7.0km az=71.0

DJA 13 05:18:04.5, 0.2, 0.2N, 12.42E, h199km, 3km, M4.5/19, mb4.9/12, mb4.6/19, MLv5.0/18, Mw(mb)4.2/12

KLM 13 05:18:11.0, 1.0, 0.29N, 123.81E, h285km, mb5.0 Error ellipse: s-maj=18.0km s-min=10.4km az=123.86E, 0.04, h211km, 5km, n269, c1929/305, mb4.8/118, 13C-D, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, and other parameters. Includes stations like KMSI, LUWI, LWSI, etc.

Table with columns: Call Sign, Station Name, Az, AzZ, Phase ID, Time, Res, and other parameters. Includes stations like NACB, COEN, YOJ, YHNB, etc.

ISCJB 13 05:15:23.7, 0.7, 50.34N, 0.04, 18.80E, 0.03, h0km, Error ellipse: s-maj=6.3km s-min=2.7km az=9.9

CSEM 13 05:15:24.3, 0.4, 50.34N, 18.84E, h2km, Error ellipse: s-maj=8.7km s-min=4.1km az=13.0

WAR 13 05:15:24.7, 50.36N, 18.92E, h1km, Mw2.5 PRU 13 05:18:06.1, 18.96E, h0km

13d 5h

344A	Westbrook Farm baz=143	29.52 338	P	P	05 37 22.9 +1.6
Y49A	Blount Mountai baz=153	29.58 337	P	P	05 37 23.0 +1.2
Y49A	Blount Mountai comp=Z,4.7nm,0.5s	29.58 337	eP	P	05 37 23.2 +1.4
Z47A	Carrollton baz=149	29.69 334	P	P	05 37 24.2 +1.5
W52A	Murphy baz=158	29.84 342	P	P	05 37 25.7 +1.6
244A	Avery, Jackson baz=143	29.97 329	P	P	05 37 26.4 +1.2
VBMS	Wicksburg baz=144	30.02 330	P	P	05 37 27.0 +1.3
145A	Houston Renfro baz=145	30.04 331	P	P	05 37 27.2 +1.3
Z46A	Louisville baz=148	30.07 333	P	P	05 37 27.5 +1.4
X49A	Woodville baz=153	30.13 338	P	P	05 37 28.0 +1.4
Y47A	UCPARC, Winfie baz=150	30.20 335	P	P	05 37 28.5 +1.3
X48A	Hartselle baz=152	30.35 337	eP	P	05 37 29.7 +1.2
X48A	Hartselle comp=Z,5.6nm,0.7s	30.35 337	eP	P	05 37 29.8 +1.2
CPCT	Cooper Cave comp=Z,6.3nm,1.3s	30.35 341	eP	P	05 37 30.4 +1.8
W50A	Signal Mountai baz=156	30.39 340	P	P	05 37 30.4 +1.4
W50A	Signal Mountai comp=Z,5.5nm,1.0s	30.39 340	eP	P	05 37 30.7 +1.8
Y46A	Houston baz=148	30.61 334	P	P	05 37 32.2 +1.3
V51A	Loudon baz=158	30.63 342	P	P	05 37 32.3 +1.4
V51A	Loudon comp=Z,11nm,1.4s	30.63 342	eP	P	05 37 32.6 +1.6
U53A	Fall Branch baz=151	30.65 345	P	P	05 37 32.3 +1.1
X47A	Russellville baz=151	30.73 336	P	P	05 37 32.9 +1.0
V50A	Pikeville baz=156	30.74 341	P	P	05 37 33.3 +1.3
Z44A	Pea Ridge, Bel baz=145	30.84 331	P	P	05 37 34.2 +1.3
Y45A	Yeager Farm, C baz=147	30.91 333	P	P	05 37 34.9 +1.5
Y49A	McMinville baz=155	31.10 340	P	P	05 37 36.4 +1.2
Z43A	Armstrong Fami baz=144	31.18 330	P	P	05 37 36.8 +0.9
PLAL	Pickwick Lake comp=Z,5.8nm,1.1s	31.22 336	eP	P	05 37 38.3 +2.1
W47A	Westpoint baz=152	31.27 337	P	P	05 37 37.7 +1.1
V48A	Smith Brothers baz=153,SNR=7.2	31.41 338	P	P	05 37 38.9 +1.0
V48A	Smith Brothers comp=Z,9.3nm,0.9s	31.41 338	eP	P	05 37 39.1 +1.3
T52A	Hallie baz=161	31.45 345	P	P	05 37 39.4 +1.1
W46A	Michie baz=150	31.48 336	P	P	05 37 39.2 +0.7
Y43A	Makaya and Ka baz=145	31.59 331	P	P	05 37 40.5 +1.0
V47A	Nunnely baz=152,SNR=8.5	31.74 337	P	P	05 37 41.6 +0.8
V46A	Holladay baz=151	31.95 330	P	P	05 37 43.7 +1.0
Y42A	Garnett, Star baz=143	31.95 330	P	P	05 37 44.1 +1.2
U48A	Cassie Pea, Po baz=154	31.99 339	P	P	05 37 45.0 +1.0
S51A	Beattyville baz=160	32.12 344	P	P	05 37 44.7 +0.6
WVT	Waverly baz=152	32.13 337	eP	P	05 37 44.8 +0.6
WVT	Waverly comp=Z,9.0nm,1.0s	32.13 337	eP	P	05 37 45.7 +1.0
T49A	Edmonton baz=156	32.19 341	P	P	05 37 46.0 +1.2
T49A	Edmonton comp=Z,2.7nm,0.9s	32.19 341	eP	P	05 37 45.6 +0.9
U47A	Clarksville baz=153	32.20 338	P	P	05 37 46.2 +1.0
V45A	Humboldt baz=150	32.24 335	P	P	05 37 47.7 +0.7
X42A	Stuttgart baz=145	32.45 331	P	P	05 37 47.8 +0.7
U46A	Springville baz=151	32.46 337	P	P	05 37 48.2 +1.0
T48A	Bowling Green baz=155	32.48 340	P	P	05 37 49.3 +0.8
T47A	Sharon Grove baz=154	32.62 339	eP	P	05 37 49.7 +1.3
T47A	Sharon Grove comp=Z,4.7nm,0.8s	32.62 339	eP	P	05 37 50.6 +0.1
Y40A	Okolona baz=141	32.86 328	P	P	05 37 51.2 +0.7
S48A	Wiedeman Farm, baz=156	32.87 341	P	P	05 37 52.0 +0.6
T46A	Princeton baz=152	32.96 338	P	P	05 37 52.0 +0.2
X40A	Basin Creek Fa baz=142	33.00 329	P	P	05 37 54.5 +1.5
MVL	Millersville comp=Z,4.3nm,0.8s	33.15 355	eP	P	05 37 54.1 +0.2
W41B	Gary Mavity, V baz=144	33.25 331	eP	P	05 37 54.7 +0.7
W41B	Gary Mavity, V comp=Z,3.8nm,1.3s	33.25 344	P	P	05 37 55.8 +1.1
Q50A	Georgetown baz=160	33.36 332	P	P	05 37 55.5 +0.6
V42A	Cord baz=146	33.42 328	P	P	05 37 56.2 +0.5
MIAR	Mount Ida baz=141	33.42 328	P	P	05 37 56.2 +0.5
S46A	Don Dixon Farm baz=153	33.46 339	P	P	05 37 57.0 +1.3
WCI	Wyandotte Cave baz=156	33.46 341	eP	P	05 37 57.5 +0.6
WCI	Wyandotte Cave comp=Z,6.9nm,0.6s	33.46 341	eP	P	05 37 58.2 +0.6
R47A	Wooly Knot Far baz=158	33.60 341	P	P	05 37 58.5 +1.1
W40A	Ferguson Farm, baz=142	33.67 330	eP	P	05 37 57.9 0.0
W40A	Ferguson Farm, comp=Z,6.3nm,0.6s	33.67 330	eP	P	05 38 00.5 +0.7
V41A	Mountainview baz=144,SNR=7.3	33.70 331	P	P	05 38 00.9 +1.2
Q48A	North Vernon baz=151	33.93 342	P	P	05 38 00.3 +0.4
SSPA	Standing Stone baz=172	33.93 353	P	P	05 38 00.3 +0.4
T43A	Greenview baz=148	33.94 335	P	P	05 38 01.2 +0.5
P50A	Jamestown baz=161	34.02 345	P	P	05 38 00.7 -0.1
V40A	Witts Springs baz=144,SNR=5.4	34.04 331	P	P	05 38 01.6 +0.8
V40A	Witts Springs comp=Z,4.7nm,0.5s	34.04 331	eP	P	05 38 01.2 +0.5
W39A	Magazine baz=141	34.04 329	eP	P	05 38 00.9 +0.1
W39A	Magazine comp=Z,4.9nm,0.7s	34.04 329	eP	P	05 38 01.3 +0.5
U41A	Viola baz=145,SNR=6.0	34.05 332	P	P	05 38 02.7 +1.2
S44A	Bondabondale baz=151	34.13 358	eP	P	05 38 02.5 +0.6
ODNJ	Ogdenburg comp=Z,11nm,1.4s	34.13 358	eP	P	05 38 02.5 +0.6
Q47A	Bedord North L baz=156	34.15 341	P	P	05 38 02.5 +0.6
R45A	Skyilar, Fairri baz=153	34.20 339	P	P	05 38 02.5 +0.6
T42A	Van Buren baz=147,SNR=5.1	34.24 334	P	P	05 38 03.0 +0.5
T42A	Van Buren comp=Z,5.8nm,1.0s	34.24 334	eP	P	05 38 05.6 +1.8
BLO	Bloomington comp=Z,4.5nm,0.6s	34.40 341	eP	P	05 38 04.6 +0.3
R44A	Watsonville baz=156	34.46 337	P	P	05 38 04.7 +0.1
V39A	Pettigrew baz=142	34.47 330	P	P	05 38 04.4 +0.1

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O50A	Cable baz=162	34.49 346	P	P	05 38 05.4 +0.9
U40A	Yellville baz=144,SNR=9.9	34.49 331	P	P	05 38 04.8 +0.1
Q46A	O.E.S. Indians, baz=155	34.53 340	P	P	05 38 05.4 +0.4
N54A	Moraine State baz=168	34.54 351	P	P	05 38 06.0 +1.0
T41A	Mountain View baz=146,SNR=5.2	34.55 333	P	P	05 38 05.1 0.0
P47A	Martinsville baz=157	34.60 342	P	P	05 38 06.0 +0.5
Q45A	Warren Harvey, baz=153	34.70 339	P	P	05 38 06.6 +0.3
S42A	Caledonia baz=148	34.74 335	P	P	05 38 06.6 -0.1
FVM	French Village comp=Z,4.6nm,0.6s	34.77 336	eP	P	05 38 08.7 +1.7
R43A	Red Bud baz=150	34.82 336	P	P	05 38 07.5 +0.1
U39A	Green Forest baz=143	34.82 331	P	P	05 38 07.2 -0.3
HHAR	Hobbs comp=Z,3.0nm,0.8s	34.97 330	eP	P	05 38 08.4 -0.4
N50A	Nevada baz=162	34.97 347	P	P	05 38 09.5 +0.8
T40A	Mansfield baz=145	34.98 332	P	P	05 38 09.9 +0.1
S41A	Jillico Farms, baz=147	34.99 334	P	P	05 38 08.1 +0.2
M54A	Oil Creek Stat baz=169	35.02 351	P	P	05 38 10.3 +1.1
M54A	Oil Creek Stat comp=Z,2.2nm,0.6s	35.02 351	eP	P	05 38 10.5 +1.3
P46A	Rosedale baz=155	35.02 341	P	P	05 38 09.9 +0.7
P45A	Graceland, Par baz=154	35.12 340	P	P	05 38 11.2 +0.2
CCM	Cathedral Cave baz=148	35.17 335	P	P	05 38 11.3 +0.9
CCM	Cathedral Cave comp=Z,10nm,0.7s	35.17 335	eP	P	05 38 10.8 +0.4
R42A	Luebberring baz=149	35.17 335	P	P	05 38 11.7 +0.5
O47A	Sheridan baz=157	35.27 343	P	P	05 38 11.3 -0.2
T39A	Cleaver baz=144	35.28 331	P	P	05 38 11.7 +0.2
Q43A	New Douglas baz=159	35.30 337	P	P	05 38 12.0 +0.1
S40A	Lebanon baz=145,SNR=9.4	35.34 333	P	P	05 38 12.7 0.0
R41A	Rosebud baz=148,SNR=5.0	35.43 335	P	P	05 38 15.1 +0.3
SFIN	Lafayette baz=156,SNR=6.9	35.68 342	P	P	05 38 15.3 +0.5
SFIN	Lafayette comp=Z,1.1nm,0.5s	35.68 342	eP	P	05 38 14.8 -0.5
T38A	Diamond baz=142	35.73 330	P	P	05 38 15.4 -0.4
S39A	Bolivar baz=144	35.79 332	P	P	05 38 15.8 0.0
S39A	Bolivar comp=Z,1.1nm,1.5s	35.79 332	eP	P	05 38 15.7 -0.2
R40A	Maddies Statio baz=146,SNR=5.2	35.81 334	eP	P	05 38 16.2 0.0
R40A	Maddies Statio comp=Z,1.6nm,0.6s	35.81 334	eP	P	05 38 16.8 -0.1
P43A	Skaggs, Pawnee baz=152	35.85 338	P	P	05 38 17.2 -0.5
Q41A	Truxton baz=148	35.92 336	P	P	05 38 18.3 +0.5
S38A	Stockton baz=143,SNR=5.1	36.02 331	P	P	05 38 18.2 -0.2
N46A	Monticello baz=157	36.04 342	P	P	05 38 18.3 -0.2
P42A	Winchester comp=Z,5.7nm,0.9s	36.11 337	eP	P	05 38 18.5 0.0
R39A	Chumby, Stover baz=145,SNR=8.0	36.17 333	P	P	05 38 18.4 -0.5
Q40A	Laux Farm, Aux baz=147,SNR=5.7	36.31 335	P	P	05 38 19.9 -0.2
R38A	Fenwick Farm, baz=154	36.46 332	P	P	05 38 21.9 +0.1
TXAR	Lajitas Array comp=Z,1.1nm,0.6s,baz=125,slow=9.4,SNR=20	36.47 312	P	PcP	05 40 42.8 +0.4
TXAR	Lajitas Array comp=Z,0.2nm,0.8s,baz=93,slow=5.5,SNR=3.7	36.47 312	P	PcP	05 38 22.3 +0.6
TX31	Lajitas Ar, Si baz=134	36.47 312	P	P	05 38 21.0 -0.7
WMOK	Wichita Mounta comp=Z,5.5nm,0.6s	36.48 323	P	P	05 38 21.3 -0.4
WMOK	Wichita Mounta comp=Z,5.5nm,0.6s	36.48 323	eP	P	05 38 21.8 -0.6
HDIL	Hopedale baz=152	36.57 339	eP	P	05 38 22.1 -0.2
HDIL	Hopedale comp=Z,6.1nm,0.6s	36.57 339	eP	P	05 38 23.4 -0.4
Q39A	Willow Grove F baz=146	36.74 334	P	P	05 38 23.5 -0.3
P40A	Paris baz=148	36.75 335	P	P	05 38 24.0 +0.2
P40A	Paris comp=Z,4.4nm,0.7s	36.75 335	eP	P	05 38 24.3 -0.5
N43A	Stutzman Farm baz=153	36.87 340	P	P	05 38 25.5 -0.2
Q38A	Cooks Store, C baz=145,SNR=6.9	36.96 333	P	P	05 38 25.6 -0.5
P39B	Salisbury baz=146	37.01 334	P	P	05 38 26.8 -0.6
N42A	Yates City baz=147	37.08 339	P	P	05 38 27.6 -0.7
O40A	La Belle baz=148	37.17 336	P	P	05 38 27.6 -0.7
Q37A	Longview Farm, baz=144	37.27 332	P	P	05 38 27.6 -0.7
N41A	Harden Midland baz=150	37.28 338	P	P	05 38 27.6 -0.7
N41A	Harden Midland comp=Z,5.2nm,0.8s	37.28 338	eP	P	05 38 29.3 -0.5
P38A	Dawn baz=146	37.46 334	P	P	05 38 31.3 -0.9
M41A	Milan baz=151	37.74 338	P	P	05 38 32.6 -0.5
O38A	Gall baz=146	37.84 334	P	P	05 38 33.7 -0.5
L42A	Oliver, Polo comp=Z,4.1nm,0.8s	37.98 340	eP	P	05 38 34.6 -0.3
N39A	Derby Farms, D baz=148	38.07 336	P	P	05 38 35.7 -0.1
K43A	Burlington comp=Z,10nm,1.0s	38.18 342	eP	P	05 38 35.4 -0.4
O37A	Wolfen Farm, M baz=146	38.18 334	P	P	05 38 36.6 -0.3
N38A	Loes South For baz=147	38.30 335	P	P	05 38 36.4 -0.7
L41A	Preston baz=152	38.34 339	P	P	05 38 38.3 +0.4
PKME	Peske-Kenny Pk baz=186	38.43 4 0	P	P	05 38 38.0 -0.1
M39A	Webster baz=149	38.45 337	P	P	05 38 38.1 -0.6
MSTX	Muleshoe baz=129	38.48 319	P	P	05 38 38.9 -0.4
L40A	Anamosa baz=150	38.59 338	P	P	05 38 39.5 -0.6
N37A	Lee Faris, Mou baz=152	38.69 334	P	P	05 38 40.6 -0.6
N37A	Lee Faris, Mou comp=Z,8.9nm,0.8s	38.69 334	eP	P	05 38 42.8 +0.1
M38A	Pleasantville baz=147	38.81 336	P	P	05 38 43.3 +0.6
MNTX	Cornudas Mount baz=123,SNR=5.5	38.97 314	P	P	05 38 42.2 -0.4
MNTX	Cornudas Mount comp=Z,6.5nm,1.4s	38.97 314	eP	P	05 38 42.4 -0.4
JFWS	Jewell Farm baz=152	38.99 340	eP	P	05 38 43.2 -0.4
JFWS	Jewell Farm comp=Z,9.2nm,0.6s	38.99 340	eP	P	05 38 43.3 -0.4
K40A	Coloburg baz=146	39.11 339	P	P	05 38 44.0 -0.3
M37A					

13d 7h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like LASF Ste Croix, PGF Pioggiola, LBL Lubilhac.

MDD 13 06:19:43.0:1.3,35:95N:10:18W,h10km,mbLg2.8/32, Error ellipse: s-maj=12.0km s-min=10.3km az=71.0, PPRIMO

CMR 13 06:19:43.4,35:51N:9:99W,h30km,ML2.5, Error ellipse: s-maj=6.4km s-min=4.9km az=62.0

INMG 13 06:19:44.2:1.2,35:86N:10:20W,h23km,12km,ML2.6, Error ellipse: s-maj=11.9km s-min=3.6km az=58.0

IGIL 13 06:19:44.1,35:87N:10:18W,h22km,ML2.4

ISC 13 06:19:38.1:2.2,35:84N:0:08:10:26W,0:09,h10km,n113, c209/192,6C-4D,Azores-Cape St. Vincent Ridge

Main station list table for the 13d 7h period, including stations like Vila Bisbo, Marlete, Sao Teotónio, Barranco-do-Ve, Castro Verde, Vaqueiros, Messejana, Beja, Evora, Matra, and Mina Concepcio.

2012 JUL

Main station list table for the 2012 JUL period, including stations like Mina Concepcio, Barrancos, Montargil, Estremoz, Sarsar, Badajoz, Tomar, Marv??o, Castelo Branco, Manteigas, Adamuz, Sierra Gorda, Col de Zad, Viseu, Placencia, Los Guajares, Quantar, Vila Real, Alboran, Moncorvo, and Bear Paw Mtn.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like Lobios, Santiago Espad, Braganca, Tobarra, Vista Hermosa, Tlapa, and various stations in Oaxaca.

MEX 13 06:20:49.5:0.4,16:68N:94:31W,h112km,10km,MD3.8, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like TGIG, PCIG, VHO, TLIG, and Vista Hermosa.

IDC 13 07:07:12.6:0.8,6:05N:126:73E,h0km,mb3.8/9, mb1.4/0.9,mb1mx3.7/56,mbtmp3.8/9,MS3.2,M1 3.2/2, ms1mx2.4/59, Error ellipse: s-maj=41.4km s-min=11.3km az=57.0

MAN 13 07:07:15.6,5:78N:126:04E,h144km,mb4.9,ML3.9, Error ellipse: s-maj=13.8km s-min=7.3km az=173.1

NEIC 13 07:07:18.0:1.5,5:94N:126:46E,h35km,14km,mb4.5/9, Error ellipse: s-maj=17.3km s-min=5.7km az=75.0

ISC 13 07:07:16.7:2.1,5:96N:126:39E,0:08,h27km,15km,n38,+193/47,mb4.1/21,1C,Mindanao

Main station list table for the MEX 13 06:20:49.5:0.4,16:68N:94:31W period, including stations like Vista Hermosa, Tlapa, Davao City, Warramunga Arr, and various stations in Mindanao.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSR Korea Array, SONMI Songina Array, WRA Warramunga Arr, KURBB Kurchatov Arr, FINES FINESS Array B.

NNC 13 09:31:48.9.3.3,37.35N.71.50E,h0km,mb4.0,mpv3.6,4C-4D, Error ellipse: s-maj=25.3km s-min=20.6km az=169.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, AML Almayashu, MNAS Manas, KZA Kyzart, EK52 Karatay Arr, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KK31 Karatay Array, KBK Karagaybulak, TKM2 Tokmak 2.

ISCJB 13 09:53:15.9.0.7,50.20N.0.06.19.18E,0.03,h0km, Error ellipse: s-maj=9.4km s-min=3.1km az=3.7

CSEM 13 09:53:16.8.0.3,50.21N.19.20E,h1km,ML2.5/5, Error ellipse: s-maj=9.1km s-min=3.2km az=3.0

PRU 13 09:53:17.6.0.5,50.18N.19.20E,h0km, Error ellipse: s-maj=9.1km s-min=3.2km az=3.0

ISC 13 09:53:16.8.1.0,50.18N.0.07.19.21E,0.02,h0km,m25, c082/37, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OJC Ojcow, MORC Moravsky Berou, KRKC Kraliky, DPC Dobruska-Polom, VRAC Vranov, KRUC Moravsky, GOPC GO Pecny, PRU Pruhonice, KHC Kasperske Hory.

IDC 13 10:00:13.5.1.1,2.81N.32.03W,h0km,mb3.9/6, mb1 4.1/6,mb1mx3.7/57,mbtmp3.9/6,M33.4/15, Ms1 3.4/15,ms1mx3.1/53, Error ellipse: s-maj=37.9km s-min=27.1km az=157.0,Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H10N3 ASCENSION HYDR0.44 121 T, H10N2 ASCENSION HYDR0.45 121 T, H10N1 ASCENSION HYDR0.46 121 T, H10S3 ASCENSION HYDR0.89 124 T, H10S1 ASCENSION HYDR0.90 124 T, H10S2 ASCENSION HYDR0.91 124 T, DBIC Dimbokro, KOWA Kowa, TORO Torodi Arr, SJG San Juan, CPUP Villa Florida, LPAZ La Paz, ROSC El Rosal, NNA Nana, TKL Tuckaleechee C, GERES GERES Array B, NOA NORRAR Array B, BRTR Keskin Arr B, BRTR Keskin Arr B, ULM Lac du Bea, TXAR Lajitas Array, ANMO Albuquerque, SNAAS Sanae, LPIG La Paz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, YBH Yreka Blue Her, ISCJB 13 10:17:54.2.0.7,8.56S:0.05:74.31W,0.05,h152km,7km, mb4.2/42, Error ellipse: s-maj=9.9km s-min=6.3km az=34.1, IDC 13 10:17:54.6.2.1,8.48S:74.23W,h141km,22km,mb3.7/9, mb1 3.9/13,mb1mx3.7/43,mbtmp4.2/13, Error ellipse: s-maj=31.2km s-min=13.3km az=47.0, NEIC 13 10:17:55.0.9,8.55S:74.29W,h147km,10km,mb4.3/33, Error ellipse: s-maj=31.2km s-min=13.3km az=47.0, ISC 13 10:17:55.3.3.8,8.59S:0.06:74.31W,0.06,h151km,5km, h151km,pp:P,n71,0.19/80,mb4.3/42,Peru-Brazil border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA Nana, ATAH Atahualpa, OTAV Otavalo, LPAZ La Paz, SAML Samuel, PB11 IPOC Station P, RUSC La Rusia, SIV San Ignacio, PTBC PUERTO BERRIO, ZARG Zaragoza, CAUC Cauca, PTGA Pitanga, SJCC San Jacinto C, CODC Codoc Agust'n Codaz, CUPU Villa Florida, CBYV Canovanas, MYIG Mridra, V48A Smith Brothers, TX31 Lajitas Arr, TXAR Lajitas Array, PARMO Parma, SDCO Great Sand Dun, SDCO Lo Mia Camp, P, WUAZ Wupatki, SMCO Snowmass, W13A Hulapai Mount, SRU San Rafael Swe, PNIV Topopah Spring, TCUT Topo Canyon, DUG Dugway, TOOLEE Toolee, PDAR Pinedale Array, R11A Troy Canyon, HWUT Hardware Ranch, HUW Hansel Valley, LOHW Long Hollow, ULM Lac du Bonnet, H17A Grant Village, GCMT Greycliff, HLID Hailey, BOZ Bozeman (W), MFID Camas Ranch, HRY Holler Researc, EGMT Egmont, MSO Missoula, F10A Beach Ranch, E, PINE Pine Mountain, WALA Waterton Lakes, DBIC Dimbokro, SNAAS Sanae, YKA Yellowstone Arr, TORO Torodi Arr, SUMC Summit, SUMG Summit, EGAK Eagle, ILI Eielson Array, ILAR Eielson Array, MDM Murphy Dome, ZALV Zalesovo Beam, MKAR Makanchi Array, ASAR Asgard, KSH Kashi, WRA Warramunga Arr, WRA Warramunga Arr, KRSR Korea Array, LZH Lajitas Array, LZH Lajitas Array.

MEX 13 10:38:52.0.4,16.49N:98.49W,h13km,9km,MD3.5,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, TLIG Tlapa, CSEM 13 10:42:07.9.0.2,45.63N:26.56E,h139km,2km,mb2.5, Error ellipse: s-maj=3.5km s-min=3.4km az=16.0, BUC 13 10:42:07.0.8,45.62N:26.54E,h147km,8km,MD3.8/5, 43C-24D, Error ellipse: s-maj=5.7km s-min=5.0km az=66.0, Romania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLOA Plostina, PLOA Plostina, VRI Vrincoiaia, VRI Vrincoiaia, ODBI Odobesti, ODBI Odobesti, GRER Pogoneale, GRER Pogoneale, MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, PETR Petresti, PETR Petresti, ISR Istrita, ISR Istrita, ISR Istrita, ISR Istrita, SECR Secor, SECR Secor, PGOR Pogoanele, PGOR Pogoanele, PLAR Ploiesti, PLAR Ploiesti, PLAR Ploiesti, PLAR Ploiesti, DOPR Dopca, DOPR Dopca, DOPR Dopca, DOPR Dopca, TESR Tescani, TESR Tescani, TESR Tescani, SULR Sulina, SULR Sulina, SULR Sulina, SULR Sulina, VOIR Voivodeni, VOIR Voivodeni, VOIR Voivodeni, VOIR Voivodeni, AMRR Amara, AMRR Amara, AMRR Amara, AMRR Amara, GJUM Giurgiuilesti, GJUM Giurgiuilesti, CFR Carcaliu, CFR Carcaliu, CFR Carcaliu, CFR Carcaliu, BUC1 Bucharest, BUC1 Bucharest, BUC1 Bucharest, BUC1 Bucharest, BIZ Bicz, BIZ Bicz, HARR Harsova, HARR Harsova, HARR Harsova, HARR Harsova, ARR Arges, ARR Arges, ARR Arges, ARR Arges, SGRH Singureni, SGRH Singureni, SGRH Singureni, SGRH Singureni, LEOM Leova, LEOM Leova, LEOM Leova, LEOM Leova, TLB Topalu, TLB Topalu, TLB Topalu, TLB Topalu, HUMR Humele, HUMR Humele, HUMR Humele, HUMR Humele, TLR Torodii, TLR Torodii, TLR Torodii, TLR Torodii, ICOR Ion Corvin, ICOR Ion Corvin, ICOR Ion Corvin, ICOR Ion Corvin, TIRR Tigurisor, TIRR Tigurisor, TIRR Tigurisor, TIRR Tigurisor, KIS Kishinev, KIS Kishinev, BURAR Bucovina Array, BURAR Bucovina Array, BURAR Bucovina Array, BURAR Bucovina Array, SORM Soroca, SORM Soroca, SORM Soroca, SORM Soroca.

ISK 13 10:49:46.5,36.59N:36.38E,h7km,2km,ML2.2/4 CSEM 13 10:49:47.5,36.65N:36.37E,h10km,ML2.2, Error ellipse: s-maj=4.6km s-min=3.8km az=126.0, DDA 13 10:49:46.9,36.65N:36.37E,h7km,ML2.5, ISC 13 10:49:46.9,36.65N:36.37E,0.03,h9km,10km, n18, c045/28, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TAHT Tahtakopr-Hat.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TAHT, KUZU, YAYL, YUREGIR, etc.

IDC 13 11:27:31.2, 0.8, 20.07Sx174.17W, h0km, mb3.9/7, mb1 4.3/9, mb1mx3.9/54, mbtmp4.0/9, ML3.9/2, MS3.5/4, Ms1 3.5/4, ms1mx2.9/47, Error ellipse: s-maj=37.9km s-min=18.6km az=134.0

NEIC 13 11:27:32.5, 0.7, 20.12Sx174.17W, h10km, mb4.3/2, Error ellipse: s-maj=25.4km s-min=13.1km az=129.0

ISC 13 11:27:35.7, 0.8, 20.0S, 0.1x174.1W, 0.2, h31km, n17, a158/18, mb4.1/10, MS3.5/3, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AFI, RAR, Urewera, PPT, JAY, ASAR, WRAB, WRA, Vnda, RPN, NVAR, HLID, TXAR, PDAR, ILAR, AKASG, etc.

MOS 13 11:34:32.0, 1.6, 52.72N, 106.91E, h10km, mb4.4/1, Error ellipse: s-maj=22.7km s-min=11.8km az=48.3

BYKL 13 11:34:33.0, 0.2, 52.77N, 106.74E, h20km, 4km, 8C-6D, FELT Isll MSK at Yelantsy, Tyrgan, Lake Baykal region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TRG, ZRHB, STDB, KAB, MOY, YOA, SVKR, KNGR, NLYR, TDJR, BOD, TUP, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HRMR, MXMB, LSTR, IRK, IVK, SYVR, ARS, ZAK, NIZ, MOY, YOA, SVKR, KNGR, NLYR, TDJR, BOD, TUP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, CMAR, MKAR, KURBB, ZALV, BRTR, etc.

HEL 13 11:54:49.2, 0.4, 67.57N, 34.09E, h0km, ML2.5, Explosion CSEM 13 11:54:50.7, 0.7, 67.49N, 33.58E, h1km, ML2.5, Error ellipse: s-maj=13.5km s-min=6.2km az=85.0, Mining

KOLA 13 11:54:50.5, 67.66N, 33.94E, h0km NAO 13 11:54:54.6, 2.4, 67.57N, 33.04E, ML2.9

ISC 13 11:54:48.0, 1.9, 67.60N, 0.04, 34.13E, 0.09, h0km, n36, a1941/63, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APA, APAT, VRF, KU6, MSF, ARAO, HEF, TOF, OUL, KALU, LANU, FIAO, STEI, HFS, NRO, etc.

IDC 13 11:55:40.1, 2.1, 7.35S, 129.18E, h149km, 25km, mb2.9/1, mb1 3.3/6, mb1mx3.0/57, mbtmp3.7/6, Error ellipse: s-maj=25.7km s-min=19.7km az=113.0, Banda Sea

ASAR S 12 02 29.5 -5.2
MKAR Makanchi Array 68.08 327 P 12 06 23.6 -0.1

MEX 13 12:28:55.0, 3.0, 17.98N-102.41W, h10km, 5km, MD3.9, Near coast of Michoacan
Code Station Name Az Phase ID Time Res

IDC 13 12:51:11.3, 6.0, 8.33S-155.83E, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.4/48, mbtmp3.9/3, MS2.9/3, Ms1 2.9/3, ms1mx2.5/47, Error ellipse: s-maj=101.8km s-min=77.7km az=7.0, Bougainville-Solomon Islands region

MEX 13 12:56:56.0, 5.0, 14.71N-92.43W, h96km, 5km, MD3.7, Near coast of Chiapas
Code Station Name Az Phase ID Time Res

ISCJCB 13 12:58:10.0, 0.4, 49.87N-0.03, 18.46E, h0km, Error ellipse: s-maj=4.2km s-min=2.4km az=16.4
IPEC 13 12:58:11.6, 0.2, 49.84N-18.58E, h0km, ML2.4/3, Error ellipse: s-maj=1.8km s-min=1.1km az=163.0

Code Station Name Az Phase ID Time Res
OKC Ostrava-Krasne 0.28 283 eP P 12 58 17.6 +0.7
OKC Ostrava-Krasne 0.28 283 eS P 12 58 20.9 +0.4

MORC Moravsky Berou 0.66 271 eP P 12 58 24.4 +0.1
MORC 105nm, 0.3s, baz=84 eS Sg 12 58 32.5 -0.3
MORC Moravsky Berou 0.66 271 eP P 12 58 24.4 +0.1

DPC Dobruska-Polom 1.56 293 eP P 12 58 39.7 -0.9
DPC 36nm, 0.3s, baz=67 eS Sg 12 59 00.5 -1.0
DPC Dobruska-Polom 1.56 293 P 12 58 39.7 -0.9

PRU Pruhoonica 2.61 276 eP P 12 58 59.6 +0.4
PRU comp=Z, 1.1nm, 0.4s eS Sg 12 59 32.2 +0.4
PRU Pruhoonica 2.61 276 P 12 58 59.6 +0.4

CASC 13 13:00:38.1, 2.8, 11.83N-88.02W, h47km, 318km, ML3.8
ISCJCB 13 13:00:39.0, 7.0, 12.01N-0.08, 87.95W, 0.06, h35km, mb3.6/4, MS2.8/1, Error ellipse: s-maj=13.8km s-min=5.2km az=35.4

Code Station Name Az Phase ID Time Res
CNCH Conchagua 1.29 5 eP P 13 01 02.2 -0.4
CNCH eS S 13 01 21.9 +3.2

Code Station Name Az Phase ID Time Res
APYN Apoyeque 1.59 81 eP P 13 01 05.2 -1.6
APYN 1.59 341 eP P 13 01 06.4 -0.4

Code Station Name Az Phase ID Time Res
ATAH Atahualla 21.21 150 LR Sn 13 10 17.7
TXAR Lajitas Array 22.63 322 P 13 05 38.9 -0.1

NNC 13 13:28:12.6, 3.3, 43.935N-85.91E, h0km, mb3.6, mpv3.3, 10C-6D, 3C, ellipse: s-maj=25.1km s-min=15.3km az=110.0, Northern Xinjiang

Code Station Name Az Phase ID Time Res
MK31 Makanchi Array 3.82 319 P P 13 29 12.9 +0.3
MK31 0.6nm, 0.2s, baz=135, slow=15, SNR=99 P P 13 29 21.7 +0.9

ISCJCB 13 14:01:19.7, 0.2, 38.86S-0.02, 176.99E, h75km, 1km, mb4.4/18, Error ellipse: s-maj=3.7km s-min=3.0km az=11.7
IDC 13 14:01:20.4, 0.6, 38.35S-176.99E, h62km, 7km, mb4.2/14, mb1 4.3/15, mb1mx1.4/43, mbtmp4.4/15, MS3.4/21, Ms1 3.5/21, ms1mx3.3/42, Error ellipse: s-maj=19.1km, ML5.2/59, s-min=16.1km az=54.0

Code Station Name Az Phase ID Time Res
RTZ Raatuhana 0.04 95 P P 14 01 29.9 -1.3
MUGZ Murupara 0.18 317 P P 14 01 30.4 -1.5

ALRZ Allen Road 0.47 276 Pn Pn 14 01 33.1 -0.3
ALRZ Allen Road 0.47 276 Pn Pn 14 01 33.1 -0.3
NMHZ Naumai 0.49 191 Pn Pn 14 01 34.8 +1.0

ISCJCB 13 14:01:21.3, 0.0, 6.38S-176.97E, h61km, mb4.7/5, ML5.3(WEL), After WEL.
NEIC 13 14:01:20.8, 0.6, 38.81S-0.03, 176.97E, h61km, mb4.7/5, ML5.3(WEL), After WEL.

Code Station Name Az Phase ID Time Res
RTZ Raatuhana 0.04 95 P P 14 01 29.9 -1.3
MUGZ Murupara 0.18 317 P P 14 01 30.4 -1.5

Code Station Name Az Phase ID Time Res
URZ Urewera 0.38 22 P P 14 01 30.8 -1.9
URZ 1.6um, 0.3s, baz=41, slow=18, SNR=15 LR 14 01 40.4

ISCJCB 13 14:01:21.3, 0.0, 6.38S-176.97E, h61km, mb4.7/5, ML5.3(WEL), After WEL.

Code Station Name Az Phase ID Time Res
URZ Urewera 0.38 22 P P 14 01 30.8 -1.9
URZ 1.6um, 0.3s, baz=41, slow=18, SNR=15 LR 14 01 40.4

ISCJCB 13 14:01:21.3, 0.0, 6.38S-176.97E, h61km, mb4.7/5, ML5.3(WEL), After WEL.

Code Station Name Az Phase ID Time Res
URZ Urewera 0.38 22 P P 14 01 30.8 -1.9
URZ 1.6um, 0.3s, baz=41, slow=18, SNR=15 LR 14 01 40.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cape Campbell, Nelson, Blackbirch Sta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSRSS, KSAR, Wouju Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB, Kurchatov Arra, DJA, etc.

13d 15h

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like WAKE ISLAND, Zalesovo Beam, MAKANCHI Array, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Charters Tower, Warramunga Arr, Alice Springs, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Honiara, Warramunga Arr, Alice Springs, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Fitzroy Crossi, Warramunga Arr, Alice Springs, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Hsiaoliuchiu, WCHH, KAOU, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Hengchun, TWK1, TWKB, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Pinlang, Beinan, Ta-pu, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like P'eng-hu, Lidau, Minshih, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Tsalung, Lutaou, Deiliu, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Mingjia, Hungye, Suanglung, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Datong, NNSB, NNSH, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Ormoc, Lapu-Lapu, Palo, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Fitzroy Crossi, Warramunga Arr, Alice Springs, etc.

ISK 13 15:16:39.3, 17.19N, 126.99E, h11km, ML2.4/4

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SANLIURFA_Merk, Urfu, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Ransiki, Biak, Serui, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Palau Pagai, etc.

Table listing station data for KRJI, MASI, SISI, BKNI, MDSI, LWLI, PBSI, KASI, GSI, PSI, PHIT, CMAR, CMAI, BATI, SAHI, H06S2, H08S3, H08T1, FITZ, KOHI, MOKO, ZIRO, H01W3, H01W2, H01W1, WRAB, ASAR, XAN, XAN, XAN, GTA, GTA, GTA, JUNU, KSAR, KRSR, KSH, KSH, SONM, SONM, ULN, MKAR, MJAR, USRK, USRK, USRK, KURBB, KURBB, ZALV, BVAR, MAW, MAW, BRTR, BOS, FINES, TXAR, etc.

NEIC 13 15:20:43.0±0.8, 9.18°68'S; 172°85'W, h10km, mb4.0/1, Error ellipse: s-maj=174.0km s-min=23.1km az=79.0

ISC 13 15:20:43.6±15.0, 18°21'S; 173°24'W, h0km, mb4.7/5, mb1 4.8/5, mb1mx3.9/53, mbtmp4.7/5, Error ellipse: s-maj=289.6km s-min=140.8km az=80.0

ISC 13 15:20:46.7±11.0, 18°35'0.4; 173°31', h19km, n8, c091/8, mb4.6/7, Tonga Islands

Table listing station data for RAO, STA, STKA, ASAR, WRAB, WRA, FITZ, MBWA, etc.

ISCJB 13 15:33:56.0±0.6, 6°93'S; 0°06', 129°95'E±0.08, h104km, mb3.0/2, Error ellipse: s-maj=13.1km s-min=6.0km az=31.1

ISC 13 15:33:58.3±2.2, 6°96'S; 129°97'E, h115km±23km, mb3.5/2, mb1 3.8/7, mb1mx3.4/51, mbtmp4.2/7, Error ellipse: s-maj=27.7km s-min=19.6km az=110.0

DJA 13 15:34:00.1±0.4, 7°S; 4°13'0E', h153km±16km, M4.3/8, mb4.3/7, mb4.7/5, MLV4.6/8, Mw(mB)3.9/5

ISC 13 15:33:58.0±0.8, 6°76'S; 0°06', 129°81'E±0.07, h104km, n14, c2563/17, Banda Sea

Table listing station data for SAUI, SAUI, MSAI, FAKI, FAKI, SIJI, SIJI, SOEI, RKPI, BATI, BATI, BATI, BAKI, FITZ, FITZ, WRA, WRA, ASAR, ASAR, MKAR, etc.

0.7nm,0.4s,baz=118,slow=7.7,SNR=15
KURBB Kurchatov Arr 72.21 329 P 15 45 11.9 0.0

Table listing station data for MAN 13 15:45:59.8, 8°01'N; 126°53'E, h32km, mb4.4, ML3.2, MS3.0, 2C, Mindanao

IDC 13 15:54:18.5±4.9, 24°15'S; 66°34'W, h152km±58km, mb3.4/2, mb1 3.4/3, mb1mx3.1/36, mbtmp3.8/3, Error ellipse: s-maj=92.2km s-min=28.8km az=93.0

ISCJB 13 15:54:19.6±1.0, 24°19'S; 0°06', 66°97'W±0.07, h181km, mb3.6/2, Error ellipse: s-maj=9.2km s-min=7.8km az=14.6

GUC 13 15:54:21.8±0.4, 24°13'S; 67°48'W, h217km±93km, ML4.2

ISC 13 15:54:19.9±1.1, 24°16'S; 0°07', 66°97'W±0.08, h181km, n11, c1509/19, 5C, Salta Province

Table listing station data for PB15, GO02, PB06, PB09, PB09, PB14, PB15, PB05, PB05, PB03, LPAZ, LPAZ, SNA, TORD, MKAR, etc.

IDC 13 16:10:46.4±2.4, 0°87'N; 124°89'E, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.1/54, mbtmp3.2/3, Error ellipse: s-maj=305.6km s-min=26.3km az=62.0, Minahasa Peninsula, Sulawesi

Table listing station data for WRA, ASAR, MKAR, etc.

IDC 13 16:19:47.2±0.9, 9°52'S; 156°03'E, h0km, mb4.0/1, Mb1 4.2/1, mb1mx3.9/45, mbtmp4.0/11, MS3.3/1, Ms1 3.3/11, ms1mx3.1/40, Error ellipse: s-maj=32.1km s-min=18.2km az=120.0

ISCJB 13 16:19:51.0±0.8, 9°55'S; 0°1', 155°9'E±0.2, h33km, mb3.9/11, MS3.3/9, Error ellipse: s-maj=27.8km s-min=14.9km

ISC 13 16:19:52.7±0.9, 9°55'S; 0°2', 156°0'E, h35km, n18, c0861/12, mb4.0/11, MS3.4/9, D'Entrecasteaux Islands region

Table listing station data for HNR, PMG, WRA, ASAR, GUM, STKA, STKA, FITZ, TG, LEM, ASAJ, PETK, PETK, CMAR, SONM, QSPA, ILAR, MKAR, NVAR, PDAR, etc.

ISCJB 13 16:31:51.9±0.5, 50°28'N; 0°03', 18°73'E±0.03, h0km, Error ellipse: s-maj=4.7km s-min=2.3km az=10.1

CSEM 13 16:31:52.6±0.3, 50°25'N; 18°77'E, h2km, ML2.8/7, Error ellipse: s-maj=7.6km s-min=3.4km az=8.0

PRU 13 16:31:52.6±0.7, 50°20'N; 0°03', 18°80'E±0.02, h0km, n48, c0874/81, Poland

Table listing station data for CHZP, CHZP, CHZP, etc.

ISCJB 13 16:31:51.9±0.5, 50°28'N; 0°03', 18°73'E±0.03, h0km, Error ellipse: s-maj=4.7km s-min=2.3km az=10.1

CSEM 13 16:31:52.6±0.3, 50°25'N; 18°77'E, h2km, ML2.8/7, Error ellipse: s-maj=7.6km s-min=3.4km az=8.0

VIE 13 16:31:55.3±0.9, 49°87'N; 18°84'E, h0km, mb2.3/3, ml2.6/4, Error ellipse: s-maj=9.6km s-min=6.3km az=168.0 43 km E of Ostrava Suspected Mining Induced.

IDC 13 16:31:57.5±2.9, 50°46'N; 19°04'E, h0km, mb1 3.4/3, mb1mx3.0/55, mbtmp3.3/3, ML2.8/3, Error ellipse: s-maj=54.5km s-min=11.4km az=131.0

Table listing station data for CHZP, CHZP, CHZP, etc.

RAC Raciborz 0.41 254 eSg Sb 16 32 10.1 ±0.7
OKC Ostrava-Krasne 0.55 230 ePb P 16 32 05.2 0.0
OKC comp=Z,30nm,0.4s 0.55 230 Pg Sg 16 32 11.7 ±1.4

Table listing station data for OKC, OJC, OJC, OJC, OJC, OJC, MORC, MORC, MORC, LANS, LANS, LANS, NIE, NIE, NIE, NIE, NIE, KRKC, KRKC, KRKC, etc.

comp=Z,12nm,0.4s 1.30 265 Pg Sg 16 32 34.3 ±0.3

JAVC Velka Javorina 1.53 209 ePn P 16 32 22.3 ±0.4

JAVC Velka Javorina 1.53 209 ePn P 16 32 22.3 ±0.4

DPC Dobruska-Polom 1.60 276 eSg Pn 16 32 22.4 ±0.3

DPC Dobruska-Polom 1.60 276 eSg Pn 16 32 22.4 ±0.3

VRAC Vranov 1.68 239 ePn P 16 32 23.6 ±0.3

VRAC Vranov 1.68 239 ePn P 16 32 23.6 ±0.3

VYHS Vyhne 1.71 179 ePn P 16 32 24.2 ±0.6

VYHS Vyhne 1.71 179 ePn P 16 32 24.2 ±0.6

KSP Ksiaz 1.72 293 eSg Pn 16 32 48.3 ±0.2

KSP Ksiaz 1.72 293 eSg Pn 16 32 48.3 ±0.2

UPC Upice 1.81 281 eSg Sg 16 32 51.0 ±0.2

UPC Upice 1.81 281 eSg Sg 16 32 51.0 ±0.2

KRUC Moravsky 1.93 235 ePn P 16 32 56.5 ±0.1

KRUC Moravsky 1.93 235 ePn P 16 32 56.5 ±0.1

CRVS Cervenica-Dubn 2.17 126 ePn P 16 32 33.7 ±0.4

CRVS Cervenica-Dubn 2.17 126 ePn P 16 32 33.7 ±0.4

PVCS Panska Ves 2.73 279 eSg Sg 16 33 20.4 ±0.2

PVCS Panska Ves 2.73 279 eSg Sg 16 33 20.4 ±0.2

PRU Pruhonice 2.75 267 ePb Sb 16 32 41.9 ±0.7

PRU Pruhonice 2.75 267 ePb Sb 16 32 41.9 ±0.7

CONA Conrad Observa 2.98 221 ePn Pn 16 32 41.5 ±0.3

CONA Conrad Observa 2.98 221 ePn Pn 16 32 41.5 ±0.3

CONA 2.6nm,0.2s eSg Sn 16 33 16.4 ±1.3

CONA Conrad Observa 2.98 221 ePn Pn 16 32 41.5 ±0.3

CONA 0.4nm,0.2s eSg Sn 16 33 16.4 ±1.3

BRG Bermgiesshubel 3.17 284 Pn P 16 32 55.4 ±2.0

BRG Bermgiesshubel 3.17 284 Pn P 16 32 55.4 ±2.0

KHC Kasperske Hory 3.56 255 ePb P 16 33 30.0 ±0.7

KHC Kasperske Hory 3.56 255 ePb P 16 33 30.0 ±0.7

KHC Kasperske Hory 3.56 255 ePb P 16 33 30.0 ±0.7

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KHC Kasperske Hory 3.56 255 ePb P 16 33 30.0 ±0.7

KHC Kasperske Hory 3.56 255 ePb P 16 33 30.0 ±0.7

MAN 13 16:38:26.0, 11°25'N; 124°70'E, h16km, mb4.2, ML3.0, MS2.6, 1D, Leyte

Table listing station data for OKC, OCLP, LLP, LLP, CNP, CNP, etc.

NEIC 13 16:59:11.8±1.0, 20°44'S; 178°13'W, h513km±11km, mb4.0/1, Error ellipse: s-maj=13.7km s-min=9.1km az=155.0

ISCJB 13 16:59:12.6±0.5, 20°44'S; 0°09', 175°0'W±0.08, h534km, mb4.2/25, Error ellipse: s-maj=13.0km s-min=8.5km az=150.3

IDC 13 16:59:12.5±1.4, 20°43'S; 178°14'W, h516km±15km, mb3.8/24, mb1 3.9/27, mb1mx3.7/50, mbtmp4.7/27, Error ellipse: s-maj=12.4km s-min=10.0km az=159.0

ISC 13 16:59:13.4±0.5, 20°45'S; 0°1', 176°1'W±0.08, h534km, n42, c1836/45, mb4.1/25, Fiji Islands region

Table listing station data for Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other details. Includes stations like TYV, BOD, GEYT, GYA0B, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other details. Includes stations like TIXI, BOS, BOSA, BSA, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other details. Includes stations like SPITS, GERES, HFS, NB2, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like R42A Luebbering, T40A Mansfield, S41A Jilico Farms, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BRNJ Basking Ridge, LUPA Lehigh Univ, V44A Blytheville, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like W53A Cullowhee, 345A Thompson Farm, Y50A Piedmont, etc.

NDI 13 18:10:22.9,3.0,26:48N:93:19E,h42km,577km,ML2.6,

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like KOHI KOHIMA, ZIRO ZIRO, LPAZ La Paz, etc.

13d 18h

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	s	ISC
MLS1	Meulaboh, Aceh	5.63	58	P	Pn	18 17 03.9	+1.7		
MLS2				S	Sb	18 18 02.1	-4.9		
TPT1		5.89	70	P	Pn	18 17 06.7	+0.9		
GSI	64nm,0.6s,1um Gunungsitoli 103nm,0.8s	5.94	89	P	Pn	18 17 07.2	+0.8		
GSI				S	Sb	18 18 11.7	-2.9		
GSI	103nm,0.8s Gunungsitoli	5.94	89	ePn	Pn	18 17 08.0	+1.6		
GSI				eSb	Sb	18 17 10.0	-3.3		
KCSI	Kotacane, Aceh 100nm,0.7s,1um	6.53	70	P	Pn	18 17 16.3	+1.6		
KCSI				S	Sb	18 18 27.6	-1.7		
LHMI	100nm,0.7s,1um Lhok Sumsawe	6.62	53	ePn	Pn	18 17 17.7	+1.9		
PBS1	Pulau Batu 94nm,0.9s	6.76	101	P	Pn	18 17 19.6	+1.8		
PBS1				S	Sb	18 18 30.4	-4.6		
TSI	Tuntungan 7.28	7.2	72	P	Pn	18 17 30.9	+6.1		
PSI	Prapat 7.45	7.4	78	Pn	Pn	18 17 28.2	+0.9		
PSI	0.8nm,0.3s,baz=180,slow=9.9,SNR=3.2			LR	LR	18 20 46.2			
PSI	comp-Z,242nm,18.7s,baz=269,slow=40			LR	LR	18 20 46.2			
PSI	Prapat 7.45	7.4	78	ePn	Pn	18 17 28.4	+1.1		
MNSI	Mandailing Nar 7.95	7.9	93	P	Pn	18 17 36.1	+2.0		
KULM	Kulim 9.86	6.6	66	ePn	Pn	18 18 01.4	+1.2		
KULM				Sb	Sb	18 19 16.1	-4.6		
IPM	Ipoeh 9.91	7.1	71	ePn	Pn	18 18 02.7	+1.7		
KRJI	Kerinci 10.37	10.9	9	P	Pn	18 18 09.9	+2.6		
PBA	Port Blair 10.41	6.1	61	ePn	Pn	18 18 07.0	-0.8		
MYKOM	Kota Tinggi 12.22	8.7	87	ePn	Pn	18 18 34.0	+1.3		
PALK	Palekale 12.44	2.9	29	ePn	Pn	18 18 33.5	-2.2		
PALK	1.8nm,0.3s,baz=115,slow=10.3,SNR=13			Sb	Sb	18 20 42.0	-1.3		
CM01	2.9nm,0.3s,baz=116,slow=11,SNR=5.0			Pn	Pn	18 19 56.5	+1.2		
CM01	Chiang Mai Arr 18.52	2.2	22	eP	Pn	18 19 57.0	+1.3		
CM01	Chiang Mai Arr 18.55	2.2	22	eP	Pn	18 19 57.7	+2.1		
CMAR	Chiang Mai Arr 18.53	2.2	22	P	Pn	18 19 57.7	+2.1		
CMAR	0.1nm,0.3s,baz=218,slow=13,SNR=6.7			LR	LR	18 26 31.2			
CMAR	comp-Z,58nm,20.8s,baz=208,slow=35			LR	LR	18 26 31.2			
KSM	Kuching 18.67	8.9	89	eP	Pn	18 19 57.5	+0.4		
KSM	19nm,1.0s			P	Pn	18 19 58.8	-0.3		
CHTO	Chiang Mai 18.88	2.2	22	eP	Pn	18 20 08.7	+9.1		
CHTO	5.0nm,0.8s			P	Pn	18 20 08.7	+9.1		
CHTO	Chiang Mai 18.88	2.2	22	P	Pn	18 20 08.7	+9.1		
CHTO	32nm,1.2s			P	Pn	18 20 08.7	+9.1		
CMMT	Chiang Mai 18.88	2.2	22	P	Pn	18 20 08.7	+9.1		
SHL	Shilong 24.19	1.1	11	eP	P	18 21 01.0	+5.6		
LSA	Lhasa 26.31	3.5	39	eP	P	18 21 06.6	+3.7		
LSA				pmax	pmax				
LSA	comp-Z,4.0nm,0.7s			P	Pn	18 21 34.4	+1.6		
LSA	Lhasa 28.31	3.5	39	eP	P	18 21 34.4	+1.6		
LGV	comp-Z,8.8nm,0.8s			LR	LR	18 35 53.9			
DAV	Tagaytay Arr 31.66	6.5	65	LR	LR	18 39 48.9			
DAV	comp-Z,35nm,19.2s,baz=192,slow=38			LR	LR	18 39 48.9			
DAV	Davao City (W) 34.33	7.9	79	LR	LR	18 39 48.9			
DAV	comp-Z,17nm,18.4s,baz=204,slow=42			P	Pn	18 23 11.8	+8.9		
GTA	Gaotai 38.72	1.0	10	eP	P	18 23 15.9	+8.7		
GTA				sP	sP	18 23 15.9	+8.7		
GTA				pP	pP	18 23 18.8	+1.3		
GTA				pmax	pmax				
GTA	comp-Z,2.0nm,1.0s			P	Pn	19 07 48.2			
H01W	Cape Leeuwin H 41.66	1.5	15	T	T	19 07 48.2			
H01W	comp-Z,32s,slow=76,SNR=15			T	T	19 07 48.2			
H01W	Cape Leeuwin H 41.67	1.5	15	T	T	19 07 48.2			
H01W	comp-Z,32s,slow=76,SNR=15			T	T	19 07 48.2			
H01W	Cape Leeuwin H 41.67	1.5	15	T	T	19 07 48.2			
H01W	comp-Z,32s,slow=76,SNR=15			T	T	19 07 48.2			
JOW	Kunigami 43.41	5.1	51	LR	LR	18 40 05.3			
JOW	comp-Z,43nm,21.5s,baz=184,slow=34			LR	LR	18 40 05.3			
KK31	Karatay Array 45.76	3.3	33	eP	Pn	18 23 59.9	-0.2		
KKAR	Karatay Array 45.76	3.3	33	eP	Pn	18 24 00.1	0.0		
MK01	Makanchi Array 46.08	3.5	35	eP	Pn	18 24 02.5	0.0		
MK31	Makanchi Array 46.10	3.5	35	eP	Pn	18 24 03.0	+0.3		
MK32	Makanchi Array 46.10	3.5	35	eP	Pn	18 24 03.2	+0.4		
MKAR	Makanchi Array 46.10	3.5	35	eP	Pn	18 24 03.2	+0.4		
MKAR	comp-Z,0.5nm,0.5s,baz=173,slow=9.6,SNR=7.7			P	Pn	18 24 03.0	+0.3		
MAK2	Makanchi Array 46.10	3.5	35	eP	Pn	18 24 03.9	+0.7		
MAK2	comp-Z,1.2nm,0.6s			P	Pn	18 24 03.9	+0.7		
WRA	Warramunga Arr 46.85	1.1	11	P	Pn	18 24 10.1	+1.1		
WRA	comp-Z,2.3nm,0.6s,baz=188,slow=8.6,SNR=36			P	Pn	18 24 10.1	+1.1		
WR1	Warramunga Arr 46.85	1.1	11	eP	Pn	18 24 10.1	+1.1		
WR2	Warramunga Arr 46.86	1.1	11	eP	Pn	18 24 10.0	+0.8		
FORT	Forrest 47.04	1.3	13	eP	Pn	18 24 11.0	+0.6		
FORT	comp-Z,24nm,1.0s			P	Pn	18 24 11.3	-1.6		
GYA0B	ALIBECK ARRAY 47.76	3.2	32	eP	Pn	18 24 18.3	+0.7		
GYA0B	comp-Z,2.9nm,0.7s			P	Pn	18 24 18.3	+0.7		
AS31	Alice Springs 47.95	1.2	12	eP	Pn	18 24 18.3	+0.7		
AS31	comp-Z,0.9nm,1.0s			P	Pn	18 24 18.9	+1.4		
ASAR	Alice Springs 47.95	1.2	12	P	Pn	18 24 18.9	+1.4		
ASAR	comp-Z,0.5nm,0.8s,baz=294,slow=8.1,SNR=6.9			P	Pn	18 24 20.2	+1.4		
SONA0	Songino Array 48.15	1.3	13	eP	Pn	18 24 20.2	+1.4		
SONM0	Songino Array 48.15	1.3	13	P	Pn	18 24 20.2	+1.4		
SONA1	Songino Array 48.15	1.3	13	eP	Pn	18 24 19.7	+0.8		
SONA1	comp-Z,1.6nm,0.5s,baz=193,slow=9.5,SNR=17			P	Pn	18 24 19.8	-2.4		
DAMY	Dhamar 48.51	2.8	28	eP	Pn	18 24 19.8	-2.4		
DAMY	comp-Z,2.2nm,1.2s			P	Pn	18 24 35.9	-0.3		
KURBB	Kurchatov Arr 50.45	3.4	34	P	Pn	18 24 35.9	-0.3		
KURBB	comp-Z,0.3nm,0.9s,baz=259,SNR=6.0			P	Pn	18 24 35.9	-0.3		
KURK	Kurchatov 50.45	3.4	34	eP	Pn	18 24 35.9	-0.3		
ZALV	Zalesovo Beam 52.84	3.5	35	P	Pn	18 24 54.3	+0.3		
ZALV	comp-Z,0.7nm,0.4s,baz=161,slow=6.4,SNR=4.1			P	Pn	18 24 53.1	-0.9		
ZALV	Zalesovo Beam 52.84	3.5	35	eP	Pn	18 24 53.1	-0.9		
ZALV	Zalesovo Array 52.84	3.5	35	eP	Pn	18 24 54.3	+0.3		
ZALV	18.4nm,0.7s			LR	LR	18 47 34.4			
GUMO	Gumut 54.06	7.4	74	LR	LR	18 47 34.4			
GUMO	comp-Z,1.6nm,21.2s,baz=270,slow=35			LR	LR	18 50 30.3			
MJAR	Matsushiro Arr 55.51	4.5	45	LR	LR	18 50 30.3			
MJAR	comp-Z,1.9nm,18.4s,baz=105,slow=38			LR	LR	18 50 30.3			
BR101	Keskin Array S 65.02	3.1	31	eP	Pn	18 26 18.4	-0.8		
BR101	comp-Z,0.2nm,0.3s,baz=128,slow=2.4,SNR=2.3			P	Pn	18 26 18.4	-0.8		
BR101	Keskin Array B 65.02	3.1	31	P	Pn	18 26 18.4	-0.8		
BR101	comp-Z,0.2nm,0.3s,baz=128,slow=2.4,SNR=2.3			P	Pn	18 26 18.4	-0.8		
GERES	GERESS Array B 81.13	3.1	31	P	Pn	18 27 54.3	0.0		
GERES	comp-Z,0.6nm,0.7s,baz=84,slow=4.0,SNR=5.3			P	Pn	18 27 54.3	0.0		
TXAR	Lajitas Array 146.25	25	PKPbc	PKPab	PKPab	18 35 20.9	+0.1		
TXAR	comp-Z,0.4nm,0.6s,baz=54,slow=1.8,SNR=6.1			PKPab	PKPab	18 35 20.9	+0.1		

CSEM 13 18:25:15.6;0.2,34.19Nk:15:34W,h30km,mb4.4,Error ellipse: s-maj=8.8km s-min=3.3km az=131.0
CNRM 13 18:25:17.5;33.95N:15:04W,h30km,ML4.0
MDD 13 18:25:17.1;1.9,34:33N:14:39W,h0km,mb4.4/14,Error ellipse: s-maj=18.4km s-min=15.2km az=84.0,PRXIMO
IGIL 13 18:25:19.3;34:29N:15:42W,h50km,ML2.7
INMG 13 18:25:20.0;2.1,34:17N:15:32W,h39km,11km,ML3.0
Error ellipse: s-maj=7.2km s-min=2.2km az=126.0
ISC 13 18:25:13.1;1.0,34:12N:0.07:15:39W:0.07,h10km,m124,az=1520/132,2C-2D,Matiera Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	s	ISC
PMP5	Porto Santo	1.33	217	IP	Pg	18 25 39.9	+1.3		
PMP5				S	Sb	18 25 55.3	+0.2		
PMP5				S	Sb	18 25 57.0			
PMP5	276nm,0.4s			P	Pg	18 25 39.9	+1.3		
PMP5				S	Sb	18 25 55.3	+0.2		
PMP5	138nm,0.4s			P	Pg	18 25 39.9	+1.3		
PMP5				S	Sb	18 25 55.3	+0.2		
PMPAR	Porto Santo 138nm,0.4s	1.89	223	eP	Sb	18 25 47.8	-0.1		
PMPAR				eS	Sb	18 26 09.2	-0.5		
PMPAR				P	Pn	18 26 16.5			
PMPAR	151nm,0.2s			P	Pb	18 25 47.8	-0.1		
PMPAR				Sb	Sb	18 26 09.2	-0.5		
PMPAR	76nm,0.2s			P	Pb	18 25 47.8	-0.1		
PMPAR				Sb	Sb	18 26 12.4	+0.7		
FUL	Funchal 1.94								

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Contains station data for SHOTAN, GRPR Tuman, YUK Yuzh-Kuril'sk, JAK Akkeshi, JNK Nakash, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Contains station data for FINES FINESS Array B, EKA Eskdalemir Ar, TKL Tuckaleechee C, IDC 13, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Contains station data for IDIM Dimmadals'js, IGHA Grothals, IGRA Grothals, IGRA Granastair, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like HNTI, MAAOB, KSHT, BLGI, etc.

ISCBJ 13 19:18:47.7±0.2, 29°30'N, 103°07'E, 0.05, h10km, mb4.3/20, Error ellipse: s-maj=6.2km s-min=5.3km az=167.5

IDC 13 19:18:48.1±0.7, 29°31'N, 102°98'E, h0km, mb3.8/11, mb1 3.8/13, mb1 mx3.6/7.9, mbtmp3.8/13, ML3.4/1, Error ellipse: s-maj=26.9km s-min=13.7km az=58.0

NEIC 13 19:18:49.7±0.2, 29°31'N, 102°97'E, h10km, mb4.8/9, Error ellipse: s-maj=6.1km s-min=4.2km az=51.0

BJI 13 19:18:49.9, 29°39'N, 103°06'E, h18km, ML3.6/15, Ms3.3/2, Ms7 3.3/1

ISC 13 19:18:50.6±0.6, 29°46'N, 102°98'E, 0.06, h10km, n48, r187/51, mb4.2/20, 1D, Sichuan

Main station list table for the first section, including codes like CD2, KMI, GYA, ENH, etc., and station names like Chengdu, Kunming, Guiyang, etc.

KRSC 13 19:19:07.6±1.2, 56°00'N, 163°38'E, h9km, 33km, ML3.5, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KBTR, BKI, SMKR, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MKZ, BZWR, BZMR, etc.

ISCBJ 13 19:48:50.9±0.2, 23°77'N, 121°69'E, 0.01, h28km, 1km, Error ellipse: s-maj=2.2km s-min=1.5km az=34.5

JMA 13 19:48:50.4±0.1, 23°78'N, 121°65'E, h31km, 2km, M3.0

TAP 13 19:48:51.0, 23°78'N, 121°64'E, h33km, ML3.4, B

ISC 13 19:48:51.2±0.9, 23°78'N, 121°65'E, 0.02, h31km, 5km, n108, r087/189, Taiwan

Main station list table for the second section, including codes like ENLB, ENLB, ENLB, etc., and station names like Shoufeng, Hwaiien, etc.

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

ISCBJ 13 19:48:50.9±0.2, 23°77'N, 121°69'E, 0.01, h28km, 1km, Error ellipse: s-maj=2.2km s-min=1.5km az=34.5

JMA 13 19:48:50.4±0.1, 23°78'N, 121°65'E, h31km, 2km, M3.0

TAP 13 19:48:51.0, 23°78'N, 121°64'E, h33km, ML3.4, B

ISC 13 19:48:51.2±0.9, 23°78'N, 121°65'E, 0.02, h31km, 5km, n108, r087/189, Taiwan

Main station list table for the third section, including codes like WCHH, WCHH, WCHH, etc., and station names like Zhonghua, etc.

TAW	Tawu baz=194	1.58 206	eP	Pn	19 49 16.8 -0.3
SCZT	Fangliu baz=201	1.69 214	eP	Pn	19 49 19.4 +0.8
SCZT			eS	Sb	19 49 41.0 -1.6
WDGT	Dungji baz=257	1.90 255	eP	Pn	19 49 21.7 +0.2
WDGT			eS	Sn	19 49 44.0 -0.4
PHUB	Peng-hu baz=252	1.93 263	eP	Pn	19 49 21.4 -0.4
PHUB			eS	Sn	19 49 44.9 -0.1
PNG	Penghu baz=266	1.93 264	eP	Pn	19 49 21.9 0.0
PNG			eS	Sn	19 49 45.7 +0.5
HEN	Hengchun baz=191	1.96 206	eP	Pn	19 49 23.5 +1.2
HEN			eS	Sn	19 49 47.2 +1.4
IRIF	Irifomote-Funau	1.98 73	P	Pn	19 49 23.5 +0.9
IRIF			eS	Sn	19 49 47.3 +1.0
TWK1	Hengchun baz=190	1.99 203	eS	Sn	19 49 46.9 +0.4
TWKBT	Hengchun baz=190	1.99 203	eS	Sn	19 49 46.9 +0.3
HATJ	Hateruma jima	1.99 82	P	Pn	19 49 23.2 +0.5
HATJ			eS	Sn	19 49 46.9 +0.3
TSEB	Hengchuen, Pin baz=188	1.99 201	eS	Sn	19 49 47.4 +0.7
VCHM	Gimei baz=258	2.12 255	eS	Sn	19 49 50.0 +0.3
JKRS	Kuro-shima	2.20 78	P	Pn	19 49 26.9 +1.2
JKRS			eS	Sn	19 49 53.0 +1.1
WVUC	WVUC baz=300	2.34 301	eP	Pn	19 49 28.0 +0.4
WVUC			eS	Sn	19 49 56.1 +0.8
JJU	ishigaki jima	2.35 75	P	Pn	19 49 28.0 +0.3
JJU			eS	Sn	19 49 54.9 +0.6
JISG	Ishigakijima	2.56 71	P	Pn	19 49 30.8 +0.3
JISG			eS	Sn	19 49 59.9 -0.7
MATB	Ma-tsu baz=322	2.83 327	eP	Pn	19 49 35.4 +1.2
MATB			eS	Sn	19 50 08.0 +0.7
JTJ	Tarama	2.91 72	P	Pn	19 49 36.5 +1.1
JTJ			eS	Sn	19 50 09.1 -0.3
KNM	Kimnen baz=283	3.01 283	eS	Sn	19 50 13.7 +2.0
KNMB	Chin-men Tao baz=285	3.06 284	eS	Sn	19 50 12.0 -1.0
JIRB	Irabujima	3.38 71	eS	Sn	19 50 21.0 +0.1

MTPU	Mount Pierson baz=261	3.81 183	eP	Pn	19 54 19.3 +1.5
PV09	Paradox Valley	3.98 147	ePn	Pn	19 54 20.7 +0.8
LRM	Limekiln Ridge	3.96 355	ePn	Pn	19 54 21.1 +3.3
PV21	Cone Mtn., Par.	3.99 145	ePn	Pn	19 54 21.2 +1.1
PV23	Carpenter Ridg	4.07 146	ePn	Pn	19 54 22.6 +1.4
K22A	Casper baz=261	4.08 77	P	Pn	19 54 22.5 +1.1
K22A			Sb	Sb	19 55 21.3 +1.0
K22A	Casper	4.08 77	ePn	Pn	19 54 22.1 +0.7
PV22	Skein Mesa, Pa	4.09 143	ePn	Pn	19 54 22.7 +1.2
PV10	Paradox Valley	4.12 147	ePn	Pn	19 54 23.5 +1.6
PV14	Lion Creek, Pa	4.13 146	ePn	Pn	19 54 23.1 +1.1
PV20	West Nyswonger	4.18 146	ePn	Pn	19 54 24.3 +1.7
PV19	Morning Glory	4.20 147	ePn	Pn	19 54 23.9 +0.9
PV16	Nyswonger Mesa	4.22 146	ePn	Pn	19 54 25.1 +1.2
PV17	Troy Wray Mesa	4.23 147	ePn	Pn	19 54 25.2 +1.8
BMN	Battle Moutain	4.25 252	ePn	Pn	19 54 22.9 -0.7
PV11	David Mesa, Pa	4.25 246	ePn	Pn	19 54 24.8 +1.1
GCMT	Greycliff	4.26 22	ePn	Pn	19 54 23.7 0.0
PV12	Saucer Basin	4.27 145	ePn	Pn	19 54 25.9 +2.0
PV18	Skein Mesa, Pa	4.28 143	ePn	Pn	19 54 23.3 +1.1
PV03	Paradox Valley	4.30 146	ePn	Pn	19 54 26.1 +1.7
SZCU	Shurtz Canyon	4.35 192	ePn	Pn	19 54 26.5 +1.4
PV05	Paradox Valley	4.35 149	ePn	Pn	19 54 26.2 +1.1
PV02	Paradox Valley	4.39 145	ePn	Pn	19 54 27.1 +1.5
PV15	Paradox Valley	4.39 142	ePn	Pn	19 54 26.4 +0.8
PV13	Parad. Mtn., P	4.39 146	ePn	Pn	19 54 25.3 +1.8
PKCU	Pink Cliffs	4.42 184	ePn	Pn	19 54 27.9 +1.9
CCUT	Cedar City	4.44 195	ePn	Pn	19 54 28.1 +1.8
R11A	Troy Canyon, C	4.49 220	P	Pn	19 54 29.0 +2.1
R11A			ePn	Pn	19 54 28.9 +1.9
ISCO	Paradox Valley	4.52 144	ePn	Pn	19 54 28.6 +1.2
N23A	Red Feather La baz=285	4.60 100	P	Pn	19 54 30.3 +1.8
N23A			ePn	Pn	19 54 29.6 +1.1
N23A			eS	Sb	19 54 25.3 +1.6
HRY	Holler Researc	4.86 1	ePn	Pn	19 54 30.0 +1.1
PHWV	Pilot Hill	4.88 94	ePn	Pn	19 54 32.9 +0.5
KNB	Kanab	4.88 188	ePn	Pn	19 54 35.1 +2.7
BMO	Blue Mountains	4.94 309	ePn	Pn	19 54 34.1 +1.1
LCMT	Little Creek W	4.95 172	ePn	Pn	19 54 35.2 +2.7
WVOR	Wild Horse Val	5.03 276	ePn	Pn	19 54 37.4 +2.8
JOB8	Circle Bar Ran	5.06 289	ePn	Pn	19 54 38.8 +4.1
MSO	Missoula	5.18 344	P	Pn	19 54 34.8 -1.6
MSO			ePn	Pn	19 54 39.0 +2.6
ISCO	Missoula	5.18 344	P	Pn	19 54 39.1 +2.2
MVCO	Idaho Springs baz=296	5.21 111	P	Pn	19 54 37.8 +0.8
MVCO			ePn	Pn	19 54 38.2 -0.5
MVCO	Mesa Verde	5.34 149	ePn	Pn	19 54 40.4 +1.8
U15A	North Rim	5.43 183	ePn	Pn	19 54 42.5 +2.6
KVN	Kaiserville	5.48 241	ePn	Pn	19 54 41.1 +0.6
F10A	Beach Ranch, E	5.62 319	ePn	Pn	19 54 44.1 +1.7
S22A	4UR Ranch, Cre	5.68 135	P	Pn	19 54 43.5 +0.2
S22A			ePn	Pn	19 54 43.4 +0.1
NV11	Minna Array Sit	5.87 236	ePn	Pn	19 54 47.7 +1.8
SHPR	Sheep Range	5.91 206	ePn	Pn	19 54 44.2 +2.8
Q24A	Divide	5.92 117	P	Pn	19 54 49.3 +2.6
Q24A			ePn	Pn	19 54 49.0 +2.3
TPNV	Topopah Spring	5.94 216	P	Pn	19 54 50.5 +3.2
NV01	Minna Array Sit	5.97 237	ePn	Pn	19 54 48.4 +2.2
NVAR	Minna Array Bea	5.97 323	Pn	Pb	19 55 06.9 +4.0
NVAR			ePn	Pn	19 55 06.9 +4.0
NVAR			Sn	Sn	19 55 56.3 +0.4
NVAR			Lg	Lg	19 56 20.8
NVAR			ePn	Pn	19 54 50.4 +2.9
NVAR			eS	Sb	19 54 50.8 +2.4
NVAR			eS	Sb	19 54 47.7 +1.6
RSD	Black Hills	6.21 66	ePn	Pn	19 54 52.4 +0.8
YERR	Yerington	6.28 245	ePn	Pn	19 54 52.2 +0.1
LAO	LASA Array	6.33 38	ePn	Pn	19 54 55.2 +2.8
WU3Z	Wupatki	6.34 176	ePn	Pn	19 54 54.7 +2.2
EGNT	Eggleton	6.36 13	ePn	Pn	19 54 54.7 +2.2
WNR	Virginia City	6.42 249	eS	Sg	19 54 54.4 +0.3
SDCO	Great Sand Dun	6.42 128	ePn	Pn	19 54 55.4 +1.8
E09A	Wood Farm, Sta	6.46 318	ePn	Pn	19 54 54.7 +1.0
PNTR	Pine Nut	6.47 247	ePn	Pn	19 54 56.5 +2.3
BENR	Benton	6.58 233	ePn	Pn	19 56 10.5 -0.6
BENR			eS	Lg	19 56 35.7 -3.4
BENR			eS	Lg	19 56 35.7
WAKR	Walker	6.66 242	ePn	Pn	19 54 59.1 +2.4
WAKR			eS	Sg	19 56 47.3 -4.9
BEKR	Beckworth	6.70 256	ePn	Pn	19 54 57.0 -0.3
BEKR			eS	Sg	19 56 47.5 -5.9
K05A	Summer Lake	6.71 280	eS	Sg	19 55 46.7 +1.3
OMMB	Old Mammoth Mi	6.91 234	ePn	Pn	19 55 40.2 +4.0
PINE	Pine Mountain	6.91 289	ePn	Pn	19 54 59.4 -0.8
MINS	Minaret Summit	6.92 235	ePn	Pn	19 55 14.8 -4.3
MDPB	Devils Postpil	6.94 235	ePn	Pn	19 55 05.0 +4.3
W18A	Petrified Fore	6.94 165	ePn	Pn	19 55 18.3 -1.5
PAT2	Paterson 2	6.95 308	eS	Sb	19 56 41.8 -0.6
D07A	Parhiny Hill Vi	7.05 308	ePn	Pn	19 55 01.0 -0.9
FAC	Farwin (Calf)	7.11 220	ePn	Pn	19 55 00.0 -2.8
WALA	Waterton Lakes	7.34 350	ePn	Pn	19 55 09.0 +3.0
WALA			eS	Sb	19 57 04.7 -1.1
WALA			eS	Sb	19 57 04.7
T25A	Trinidad	7.48 127	ePn	Pn	19 55 09.5 +1.5
X18A	Snowlflake	7.48 167	ePn	Pn	19 55 09.5 +1.5
OGNE	Ogallala	7.49 94	ePn	Pn	19 55 09.9 +1.8
CMB	Columbia Colle	7.54 242	ePn	Pn	19 55 11.2 +2.5
GSC	Goldstone, Bar	7.55 212	ePn	Pn	19 55 14.7 +5.5
WIFE	Three Sisters	7.59 290	eS	Sb	19 55 17.9 +1.7
IRO	Indian Ridge	7.89 289	eS	Pb	19 55 31.2 -4.2
YBH	Yreka Blue Hor	8.06 273	ePn	Pn	19 55 18.8 +2.9
YBH			eS	Pb	19 55 37.7 -0.7
YBH			eS	Pb	19 55 14.8 -1.1
YBH			eS	Pb	19 55 37.7 -0.7
YBH			eS	Pb	19 55 31.1 -3.7
ANMO	Albuquerque	8.12 146	Pn	Pn	19 55 47.4 +7.9
ANMO			eS	Pb	19 55 47.4 +7.9
ANMO			Lg	Lg	19 57 32.0
ANMO			Lg	Lg	19 55 16.6 -0.3
ANMO			Lg	Lg	19 55 47.4 +7.9
ANMO			Lg	Lg	19 57 32.0
HUMO	Hull Mountain	8.22 279	ePn	Pn	19 55 22.1 +4.0
LAZ	Ladron	8.34 152	ePn	Pn	19 55 19.7 -0.1
LAZ			eS	Sb	19 57 35.3 +3.3
BRMM	Rolling Bench	8.52 237	ePn	Pn	19 55 23.2 +0.4
DGMT	Dogmar	8.57 37	ePn	Pn	19 55 21.1 -2.4
LENM	Lemitar	8.61 309	eS	Sn	19 57 07.2 +4.3
OBRS	Observation Ro	8.69 101	eS	Sn	19 55 24.7 -0.8
BMK	Barren Site	8.75 150	ePn	Pn	19 55 20.4 -5.4
PMCI	Piedmillan Cano	9.00 220	eS	Sb	19 55 39.2 -0.3
CNKS	Cedar Bluff	9.79 104	ePn	Pn	19 56 00.2 -1.4
AGNM	Agassiz Nation	13.04 55	ePn	Pn	19 56 20.4 -3.5
LUM	Lac du Bonnet	13.93 47	P	Pn	19 56 31.1 -4.9
LUM			Lr	Lr	20 02 00.1
TXAR	Lajitas Array	14.17 149	Pn	Pn	19 56 40.4 +0.8
TXAR			Lr	Lr	20 01 56.8
TXAR			Lr	Lr	20 01 56.8
B35A	Bob, Littlefor	14.38 57	ePn	Pn	19 56 41.1 -1.2
D36A	Goodland	14.39 62	ePn	Pn	19 56 41.1 -1.3
YKA	Yellowknife Ar	20.73 356	P	Pn	19 57 58.9 -0.2
TKL	Tucklechee C	22.75 97	Lr	Lr	20 07 50.0
SADO	Sadowa	23.94 72	Lr	Lr	20 07 5

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNHZ, MOVZ, TUZV, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VHO, HUG, PNIG, etc.

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

Table with columns: ID, Name, Value, Unit, Sign, and other identifiers. Includes entries like 444A Waltonville, 52.25 345 P, 21 35 35.8 -1.2, etc.

Table with columns: ID, Name, Value, Unit, Sign, and other identifiers. Includes entries like 444A Midewin, Midew, 57.99 347 P, 21 35 55.6 -0.8, etc.

Table with columns: ID, Name, Value, Unit, Sign, and other identifiers. Includes entries like W18A Petrified Fore, 60.93 326 P, 21 36 17.0 0.0, etc.

KNB	Kanab	64.02 325	eP	P	21 36 38.5 +1.0
KNB	comp=Z,26nm,1.0s			pmax	
O20A	White River Cj	64.03 331	P	P	21 36 37.7 +0.1
O20A	baz=142,SNR=5.4				
O20A	White River Cj	64.03 331	eP	P	21 36 38.2 +0.6
O20A	comp=Z,22nm,1.1s				
PKCU	Pink Cliffs	64.05 326	eP	P	21 36 39.0 +1.1
PKCU	comp=Z,24nm,1.2s				
GMRC	Granite Mounta	64.07 322	P	P	21 36 38.1 +0.3
GMRC	baz=134				
E36A	McGregor	64.07 345	P	P	21 36 37.0 -0.5
E36A	baz=158,SNR=13				
G32A	Webster	64.12 341	P	P	21 36 37.1 -0.8
G32A	baz=154				
G32A	Webster	64.12 341	eP	P	21 36 37.6 -0.3
G32A	comp=Z,31nm,0.9s				
LCMT	Little Creek M	64.25 325	eP	P	21 36 39.4 +0.4
LCMT	comp=Z,12nm,1.0s				
SRU	San Rafael Swe	64.36 328	eP	P	21 36 40.1 +0.4
SRU	comp=Z,24nm,1.1s				
SRU	San Rafael Swe	64.36 328	ePP	pP	21 37 07.2 +1.4
SRU	comp=Z,24nm,1.1s			pmax	
SRU	San Rafael Swe	64.36 328	ePP	pP	21 37 07.2 +1.4
SRU	comp=Z,24nm,1.1s			pmax	
E35A	Pequot Lakes	64.41 344	P	P	21 36 39.0 -0.6
E35A	baz=152,SNR=6.7				
MTPU	Mount Pierson	64.42 327	eP	P	21 36 41.0 +0.7
MTPU	comp=Z,7.1nm,1.0s				
C40A	Isle Royale Na	64.46 348	P	P	21 36 39.2 -0.7
C40A	baz=163				
C40A	Isle Royale Na	64.46 348	eP	P	21 36 39.5 -0.4
C40A	comp=Z,21nm,1.1s				
D37A	Cotton	64.46 346	P	P	21 36 39.0 -1.0
D37A	baz=159,SNR=5.4				
HEC	Hector,Ludlow	64.50 321	P	P	21 36 41.2 +0.6
HEC	baz=133				
F32A	Veblen	64.56 342	P	P	21 36 40.0 -0.6
F32A	baz=154				
E34A	Wadena	64.58 343	P	P	21 36 40.1 -0.7
E34A	baz=156				
SZCU	Shurtz Canyon	64.58 326	eP	P	21 36 42.3 +1.1
SZCU	comp=Z,15nm,1.1s				
D36A	Goodland	64.66 345	P	P	21 36 41.1 -0.2
D36A	baz=159				
D36A	Goodland	64.66 345	eP	P	21 36 41.4 +0.1
D36A	comp=Z,24nm,1.4s				
TUQ	Turquoise Moun	64.67 322	P	P	21 36 41.9 +0.1
TUQ	baz=134				
CCUT	Cedar City	64.70 325	eP	P	21 36 43.2 +1.2
CCUT	comp=Z,18nm,1.0s				
CCUT	Sawbill Land.	64.72 347	eP	pP	21 37 10.7 +2.5
CCUT	baz=161				
MSU	Marysvalle	64.77 327	eP	pP	21 37 11.0 +2.4
MSU	comp=Z,2.2nm,0.8s				
MSU	Marysvalle	64.77 327	eP	pP	21 36 43.4 +1.0
MSU	comp=Z,2.2nm,0.8s				
MSU	Marysvalle	64.77 327	ePP	pP	21 37 11.0 +2.4
MSU	comp=Z,2.2nm,0.8s				
RWWY	Rawlins	64.79 332	eP	P	21 36 43.1 +0.6
RWWY	comp=Z,29nm,1.8s				
MATO	Matagami	64.81 357	P	P	21 36 41.9 -0.3
MATO	baz=175				
TMUT	Trail Mountain	64.85 328	eP	P	21 36 43.6 +0.5
TMUT	comp=Z,8.9nm,0.9s				
CHGQ	Chibougamau	64.85 359	P	P	21 36 42.6 +0.2
CHGQ	baz=179				
BFSC	Mount Baldy Ra	64.91 320	P	P	21 36 43.4 +0.1
BFSC	baz=132				
C37A	Embarras	64.94 346	P	P	21 36 42.3 -0.8
C37A	baz=160,SNR=7.2				
SHPR	Sheep Range	64.97 323	eP	P	21 36 44.4 +0.7
SHPR	comp=Z,14nm,1.1s				
SHPR	Ely	64.99 346	eP	pP	21 37 10.7 +0.9
SHPR	baz=160,SNR=5.2				
EYMN	Ely	64.99 346	eP	P	21 36 42.3 -1.1
EYMN	comp=Z,13nm,1.0s				
GSC	Goldene, Bar	65.11 321	P	P	21 36 44.8 +0.3
GSC	baz=133				
GSC	Goldstone, Bar	65.11 321	eP	P	21 36 43.7 -0.9
GSC	comp=Z,3.6nm,0.7s				
GSC	Goldstone, Bar	65.11 321	eP	pmax	21 36 43.7 -0.9
GSC	comp=Z,4.0nm,0.7s				
C36A	Pine Crest Far	65.12 345	P	P	21 36 43.7 -0.6
C36A	baz=159,SNR=9.5				
SHOC	Shoshone, Teco	65.20 322	P	P	21 36 45.3 +0.2
SHOC	baz=134				
K22A	Casper	65.26 333	P	P	21 36 45.6 +0.1
K22A	baz=144				
K22A	Casper	65.26 333	eP	P	21 36 45.9 +0.4
K22A	comp=Z,17nm,0.9s				
C35A	Jirik Farms, M	65.35 345	P	P	21 36 44.8 -1.0
C35A	baz=158				
RSSD	Black Hills	65.45 336	P	P	21 36 46.8 +0.1
RSSD	baz=147				
RSSD	Black Hills	65.45 336	eP	P	21 36 47.3 +0.6
RSSD	comp=Z,33nm,1.5s				
RSSD	Black Hills	65.45 336	eP	pmax	21 36 47.3 +0.6
RSSD	comp=Z,33nm,1.5s				
EDW2	Edwards Air Fo	65.55 320	P	P	21 36 47.6 +0.2
EDW2	baz=132				
C34A	RKJ Ranch, Bem	65.55 344	P	P	21 36 46.4 -0.6
C34A	baz=157				
PSUT	Pine Spring	65.68 326	eP	P	21 36 49.2 +0.9
PSUT	comp=Z,21nm,1.0s				
LRMC	Laurel Mtn Rad	65.75 321	P	P	21 36 49.0 +0.2
LRMC	baz=132				
NLU	North Lily Min	65.78 328	eP	P	21 36 50.0 +1.0
NLU	comp=Z,20nm,1.1s				
C33A	Trail	65.88 343	P	P	21 36 48.6 -0.6
C33A	baz=156				
TPNV	Topopah Spring	65.90 323	P	P	21 36 50.5 +0.8
TPNV	baz=134,SNR=13				
TPNV	Topopah Spring	65.90 323	eP	P	21 36 50.9 +1.2
TPNV	comp=Z,12nm,1.0s				
TPNV	Topopah Spring	65.90 323	eP	pmax	21 36 50.9 +1.2
TPNV	comp=Z,12nm,1.0s				
B35A	Bob, Littlefor	65.90 345	P	P	21 36 48.1 -1.1
B35A	baz=158,SNR=14				
B35A	Bob, Littlefor	65.90 345	eP	P	21 36 48.4 -0.9
B35A	comp=Z,23nm,1.0s				
FURC	Furnace Creek	65.93 322	P	P	21 36 50.1 +0.5
FURC	baz=133				
JLU	Jordanelle	65.95 329	eP	P	21 36 51.0 +0.9
JLU	comp=Z,23nm,0.9s				
MPMC	Manual Prospec	66.03 322	P	P	21 36 50.5 -0.1
MPMC	baz=133,SNR=5.3				
DAC	Darwin (Calif)	66.23 322	eP	pP	21 36 52.4 +0.5
DAC	comp=Z,21nm,1.0s				
DAC	Darwin (Calif)	66.23 322	ePP	pP	21 37 20.9 -0.4
DAC	comp=Z,21nm,1.0s				
B34A	Aery, Baudette	66.25 345	P	P	21 36 50.8 -0.7
B34A	baz=157				
TCUT	Toone Canyon	66.32 329	eP	P	21 36 52.7 +0.3
TCUT	comp=Z,32nm,1.0s				
TCUT	Dugway, Tooele	66.34 328	eP	pP	21 37 21.1 -0.5
TCUT	baz=138,SNR=34				
DUG	Dugway, Tooele	66.34 328	eP	P	21 36 52.9 +0.5
DUG	comp=Z,41nm,1.8s				
DUG	Dugway, Tooele	66.34 328	eP	pmax	21 36 53.1 +0.7
DUG	comp=Z,41nm,1.8s				
ISA	Isabella, Lake	66.36 321	P	P	21 36 53.1 +0.5
ISA	baz=132				
ISA	Isabella, Lake	66.36 321	eP	P	21 36 53.5 +0.9
ISA	comp=Z,20nm,1.6s				
ISA	Isabella, Lake	66.36 321	eP	pmax	21 36 53.5 +0.9
ISA	comp=Z,20nm,1.6s				
AGMN	Agassiz Nation	66.40 344	P	P	21 36 52.0 -0.5
AGMN	baz=156,SNR=18				
AGMN	Agassiz Nation	66.40 344	eP	P	21 36 52.2 -0.2
AGMN	comp=Z,33nm,0.8s				
AGMN	Agassiz Nation	66.40 344	ePP	pP	21 37 19.0 +0.3
AGMN	comp=Z,33nm,0.8s				
R11A	Troy Canyon, C	66.50 325	eP	pP	21 36 54.2 +0.7
R11A	baz=135,SNR=24				
R11A	Troy Canyon, C	66.50 325	eP	pP	21 36 54.4 +0.8
R11A	comp=Z,14nm,0.9s				
CWC	Cottonwood Cre	66.64 322	P	P	21 36 54.9 +0.5
CWC	baz=132				
PKM	Mcpherson Peak	66.68 319	P	P	21 36 55.0 +0.2
PKM	baz=130				

PDAR	Pinedale Array	66.71 332	P	P	21 36 54.2 -0.6
PDAR	comp=Z,4.6nm,1.0s,baz=146,slow=6.6,SNR=22				
PDAR	Pinedale Array	66.71 332	eP	pP	21 37 22.1 +1.0
PDAR	comp=Z,1.5nm,0.6s,baz=140,slow=7.2,SNR=4.2				
BW06	Boulder Array	66.71 332	P	P	21 36 54.0 -0.8
BW06	comp=Z,14nm,19.0s,baz=112,slow=38				
BW06	Boulder Array	66.71 332	eP	P	21 36 54.7 -0.2
BW06	comp=Z,14nm,19.0s				
HWUT	Hardware Ranch	66.77 330	eP	P	21 36 55.1 -0.1
HWUT	comp=Z,2.0nm,0.9s				
VES	Vestal, Richgr	66.85 321	P	P	21 36 56.1 +0.5
VES	baz=13				
A33A	Warroad	66.86 344	P	P	21 36 54.8 -0.5
A33A	baz=157,SNR=16				
BGU	Big Grassy Moun	66.99 328	eP	P	21 36 57.0 +0.5
BGU	comp=Z,19nm,1.0s				
SMMC	Simmler	67.07 320	P	P	21 36 57.9 +0.9
SMMC	baz=130				
MDND	Maddock	67.09 341	P	P	21 36 57.2 +0.4
MDND	baz=152,SNR=9.1				
MDND	Maddock	67.09 341	eP	P	21 36 57.4 +0.5
MDND	comp=Z,11nm,0.6s				
TIN	Tinemaha, Big	67.14 322	P	P	21 36 58.3 +0.8
TIN	baz=132				
VNA3	Neumayer-Olymp	67.27 162	P	P	21 36 58.8 +1.0
VNA3	comp=Z,2.2nm,0.7s				
VNA3	Neumayer-Olymp	67.27 162	eP	pP	21 37 02.8 -0.1
VNA3	comp=Z,2.2nm,0.7s				
AHID	Auburn Hatcher	67.42 331	eP	P	21 36 59.5 +0.2
AHID	comp=Z,1.7nm,0.8s				
HVU	Hansel Valley	67.50 329	eP	P	21 37 00.0 +0.3
HVU	comp=Z,2.6nm,0.8s				
HVU	Hansel Valley	67.50 329	eP	pmax	21 37 00.0 +0.3
HVU	comp=Z,2.6nm,0.8s				
VNA1	Neumayer-Stat	67.50 161	P	pP	21 37 00.7 +1.5
VNA1	comp=Z,2.2nm,0.7s				
VNA1	Neumayer-Stat	67.50 161	eP	pP	21 37 02.6 +0.7
VNA1	comp=Z,2.2nm,0.7s				
LOHW	Long Hollow	67.84 331	eP	P	21 37 02.0 0.0
LOHW	comp=Z,9.4nm,0.8s				
MLAC	Mammoth, Mammo	67.88 322	P	P	21 37 02.9 +0.6
MLAC	baz=132				
TPAW	Hot Pass	67.91 331	eP	P	21 37 02.9 +0.4
TPAW	comp=Z,48nm,1.8s				
OMMB	Old Mammoth M	67.97 322	eP	P	21 37 03.8 +0.8
OMMB	comp=Z,18nm,1.2s				
MOOW	Moose Ponds	68.02 332	eP	P	21 37 02.9 -0.2
MOOW	comp=Z,10nm,1.0s				
NV11	Mina Array Sit	68.02 323	eP	P	21 37 04.0 -0.9
NV11	comp=Z,0.7nm,1.2s				
FXWY	Fox Creek	68.06 331	eP	P	21 37 03.4 +0.1
FXWY	comp=Z,14nm,0.9s				
NV01	Mina Array Sit	68.10 323	eP	P	21 37 03.9 +0.2
NV01	comp=Z,2.2nm,0.7s				
NV01	Mina Array Bea	68.10 323	eP	pP	21 37 29.1 0.0
NV01	comp=Z,2.2nm,0.7s				
NVAR	Mina Array Bea	68.10 323	eP	pP	21 37 03.1 -0.6
NVAR	comp=Z,3.2nm,0.8s,baz=141,slow=5.8,SNR=5.2				
NVAR	Mina Array Bea	68.10 323	eP	pP	21 37 28.9 -0.1
NVAR	comp=Z,3.2nm,0.8s,baz=141,slow=5.8,SNR=5.2				
ULM	Lac du Bonnet	68.19 344	P	P	21 37 03.0 -0.7
ULM	comp=Z,2.0nm,0.6s,baz=152,slow=7.1,SNR=21				
ULM	Lac du Bonnet	68.19 344	eP	pP	21 37 28.1 -0.7
ULM	comp=Z,2.0nm,0.6s,baz=152,slow=7.1,SNR=21				

13d 22h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Mawson, Kesra, Dawson, Inuvik, Eagle, Klutina, Davos/Dischmat, Eielson Array, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MSHR Myk Shultsa, JGN Niukaw, JGF Kuroka, WMO, WMO, WMO, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KRHZ Kereru, RITZ Rihia Road, PXZ Pawanui, etc.

ROM 13 21:34:18.6-0.2, 44.83N, 0.01x11.34E, 0.01, h9km, Md1.2/3, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like T0822 Casumar, T0822 T0822, T0822 T0822, etc.

CSEM 13 21:37:27.3, 0.8, 49.92N, 18.62E, h1km, Error ellipse: s-maj=14.0km s-min=5.6km az=43.0

PRU 13 21:37:29.1, 49.86N, 18.56E, h0km, 1D, Czech and Slovakia Republics

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like OKC Ostrava, OKC Ostrava-Krasne, MORC Moravsky Berou, etc.

JMA 13 21:40:32.4, 35.74N, 139.77E, h28km, 1km, M0.9, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JHU Hanno, JHU Ashikaga, etc.

ISCJJB 13 21:56:15.4, 0.8, 41.54N, 0.06-42.22E, 0.06, h12km, 6km, Error ellipse: s-maj=11.5km s-min=4.4km az=142.8

ISC 13 21:56:15.3, 41.54N, 42.22E, h7km, M12.6, CSEM 13 21:56:15.3, 41.54N, 42.22E, h8km, M12.6

ISC 13 21:56:15.4, 41.55N, 0.07-42.23E, 0.04, h15km, 27km, n12, 0.01/24, Turkey-Georgia-Armenia border region

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

CSEM 13 22:11:05.7, 0.2, 34.56N, 34.66E, h10km, M13.0, Error ellipse: s-maj=7.4km s-min=3.5km az=53.0

ISCJJB 13 22:11:06.4, 0.8, 34.55N, 0.03-34.65E, 0.05, h23km, 8km, Error ellipse: s-maj=8.1km s-min=3.4km az=146.0

DDA 13 22:11:08.3, 34.82N, 34.43E, h8km, M12.7, GRAL 13 22:11:08.0, 0.4, 34.36N, 34.67E, h0km, 3km, MD3.0

GII 13 22:11:09.4, 0.1, 34.59N, 34.66E, h32km, MD2.0, ISC 13 22:11:07.6, 1.7, 34.57N, 0.03-34.68E, 0.05, h30km, 17km, m54, 0.91/84, Cyprus region

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

Table with columns: SHBL, Chebaa, 1.51 144, eP, Pn, 22 11 32.9 +0.2, etc. Includes various station names and coordinates.

NIED 13 22:32:00, 44.50N, 151.10E, h8km, Mw4.0 Best double couple: Mo:1.03000e+10, NP1.7e+10, etc.

BUI 13 22:32:45.0, 44.23N, 151.165E, h10km, mb4.4/27, Mb4.8/19, Ms4.5/9, Ms7.4/2.5

IDC 13 22:32:46.3-0.6, 44.09N, 151.26E, h0km, mb4.1/29, mb1.4/23, mb1mx4.175, mbtmp4.0/34, ML3.6/3, Error ellipse: s-maj=16.0km s-min=11.0km az=168.0

JMA 13 22:32:49.8, 0.6, 44.49N, 151.06E, h30km, Mw4.4 MOS 13 22:32:50.3, 0.8, 44.02N, 151.11E, h36km, mb4.6/25, Error ellipse: s-maj=8.1km s-min=7.4km az=120.1

SKHL 13 22:32:51.4, 0.9, 44.21N, 150.99E, h41km, mb4.6/16, NEIC 13 22:32:51.4, 2.2, 44.11N, 151.17E, h29km, mb4.6/6.4, Error ellipse: s-maj=9.8km s-min=5.6km az=161.0

ISC 13 22:32:47.8, 2.1, 44.00N, 0.07, 151.17E, h17km, 12km, n166, s195/186, mb4.4/58, Ms4.1/4, 7C-9D, East of Kuril Islands

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

Main table with columns: JAR, Ashorobuto, 5.42 265, P, Pn, 22 34 09.3 +0.4, etc. Lists numerous seismic events with detailed parameters.

Table with columns: MK31, Makanchi Array, 47.03 299, eP, P, 22 41 20.0 +0.3, etc. Lists seismic events from the Makanchi Array and other stations.

Table with columns: Code, Station Name, Azimuth (A°), Azimuth Error (AZ'), Phase ID, Time, Residual (Res), and other parameters. Includes stations like CHIANG MAI, KASHI, SUMMIT, etc.

IDC 14 00:16:24.6.2.2.4.62S-152.75E, h0km, mb3.7/6, m1 3.9/6, mb1mx3.6/49, mb1tm3.7/6, Error ellipse: s-maj=99.0km s-min=22.9km az=118.0, New Britain region

Table with columns: Code, Station Name, Azimuth (A°), Azimuth Error (AZ'), Phase ID, Time, Residual (Res), and other parameters. Includes stations like WARRAMUNGA ARR, ASAR, etc.

ISCJB 14 00:39:37.6.0.4.37.22N.0.02.28.36E.0.03, h0km, Error ellipse: s-maj=3.5km s-min=2.7km az=31.2, CSEM 14 00:39:37.7.0.1.37.22N-28.36E, h1km, ML2.0, Error ellipse: s-maj=3.3km s-min=2.6km az=29.0, Suspected Mining explosion.

DDA 14 00:39:37.3.37.20N-28.33E, h6km, ML2.5, Suspected Mining explosion. ISK 14 00:39:37.3.37.22N-28.37E, h7km, ML2.0/2. ISK 14 00:39:37.1.0.8.37.27N.0.03.28.39E.0.02, h0km, n37, c067/60, Turkey

Table with columns: Code, Station Name, Azimuth (A°), Azimuth Error (AZ'), Phase ID, Time, Residual (Res), and other parameters. Includes stations like YERKESIK, TURUNC, TAVAS, etc.

Table with columns: Code, Station Name, Azimuth (A°), Azimuth Error (AZ'), Phase ID, Time, Residual (Res), and other parameters. Includes stations like AYDIN, Zeytinkoy-Aydi, FETHIYE, etc.

NSSC 14 00:54:53.2.1.0.34.70N.48.19E, h0km, 999km, ML3.6, BUJ 14 00:54:59.8.34.54N-47.45E, h9km, mb4.6/21, mb4.7/11, Ms4.4/2, ISN 14 00:55:00.9.1.7.34.55N-47.55E, h14km, 7km, ML4.8, TEH 14 00:55:00.6.34.60N-47.51E, h6km, ML4.4, IDC 14 00:55:00.2.0.5.34.52N-47.61E, h0km, mb4.3/31, mb1 4.4/40, mb1mx4.3/60, Error ellipse: s-maj=12.1km s-min=9.4km az=174.0, ISCJB 14 00:55:00.7.0.1.34.46N.0.02.47.45E.0.01, h10km, mb4.5/97, MS3.5/12, Error ellipse: s-maj=2.4km s-min=1.7km az=16.7, DSN 14 00:55:01.9.0.0.34.45N-47.51E, h10km, mb4.6/1, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, MOS 14 00:55:02.6.1.0.34.44N-47.51E, h28km, mb4.6/38, Error ellipse: s-maj=6.4km s-min=3.7km az=122.5, THR 14 00:55:02.8.1.2.34.67N-47.51E, h15km, 9km, ML4.2, CSEM 14 00:55:03.0.1.34.48N-47.48E, h15km, mb4.6/61, Error ellipse: s-maj=3.4km s-min=2.2km az=18.0, NEIC 14 00:55:03.5.0.0.34.61N-47.42E, h10km, mb4.6/55, MN4.3/TEH, After TEH, ISC 14 00:55:01.6.1.0.34.49N.0.03.47.53E.0.02, h7km, 6km, n595, c1547/611, mb4.6/101, MS3.4/12, 35C-24D, Western Iran

Table with columns: Code, Station Name, Azimuth (A°), Azimuth Error (AZ'), Phase ID, Time, Residual (Res), and other parameters. Includes stations like IBZA, IBZA, IKOM, IKOM, IKOM, etc.

Table with columns: Code, Station Name, Azimuth (A°), Azimuth Error (AZ'), Phase ID, Time, Residual (Res), and other parameters. Includes stations like GHVR, GHVR, GHVR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KFJS, AKT, ASU, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ASUD, ASU, UOSS, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KK31, KKAR, KKR, etc.

Table with columns: OBSN, MLR, MLR, Name, RA, Dec, Mag, etc. Rows include IGT Ioumenitsa, MOS Moscow, DRGR, PHF Peshkopia, etc.

Table with columns: AQU, L'Aquila, RA, Dec, Mag, etc. Rows include KURK Kurchatov, MOA Molin, KBA Koelbreinspre, etc.

Table with columns: Name, RA, Dec, Mag, etc. Rows include ES19 SONSECA Array, ES19 Sonseca Array, ES19 Sonseca Array, etc.

NEIC 14 00:57.20.3.0.16:25N-98:37W, h5km, MD4.0 (MEX), After MEX, MEX 14 00:57:19.8-0.5, 16:22N-98:38W, h4km, g6km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GUMO Guam, JAY Jayapura, MJAR Matsushiro Arr, etc.

NIED 14 03:43:00.45:50N:151.90E, h20km, Mw5.3 Best double couple: M9.34000x1016 NP1.3x233.00000; 832.00000; 1.08.00000. NP2: 3.2.00000; 859.00000; 1.79.00000. JMA 14 03:43:57.0:0.9:45:47N:151:90E, h30km, M5.3 GCMT 14 03:43:58.0:0.1:45:49N:151:67E, h22km, MW5.3/113, Moment Tensor Solution. s93,c159; s113,c221; Duration: 1s1 Moment tensor: Scale 1017Nm; M1:0.52±.02; M2:0.50±.01; M3:0.54±.01; M4:0.28±.03; M5:0.52±.01; M6:0.55±.03; Best double couple: M1:21800x1017 NP1.3x36.00000; 360.00000; 1.82.00000. NP2: 3.22.00000; 831.00000; 1.104.00000. Principal axes: T 1.2300, Plg73.0000; Azm285.0000; N -0.0260, Plg7.0000; Azm40.0000; P -1.2050, Plg15.0000; Azm132.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. NEIC 14 03:43:58.0:0.1:45:54N:151:33E, h10km, mb5.2/300, MW5.2 Error ellipse: s-maj=3.9km s-min=2.1km az=160.0, Moment Tensor Solution. s82 Moment tensor: Scale 1016Nm; M1:0.42; M2:0.42; M3:0.42; M4:0.42; M5:0.42; M6:0.42; Best double couple: M1:7.40000x1016 NP1.3x21.00000; 21.00000; 1.79.00000. NP2: 3.2.00000; 859.00000; 1.79.00000. Principal axes: T 1.9000, Plg66.0000; Azm309.0000; N -1.2000, Plg4.0000; Azm211.0000; P -6.7100, Plg24.0000; Azm119.0000; ISCJB 14 03:43:59.0:0.3:45:45N:151:48E, h36km, 3km, mb5.2/451, MS5.0/100 Error ellipse: s-maj=3.8km s-min=1.8km az=162.8 SKHL 14 03:44:00.6:0.5:45:20N:151:71E, h55km, 5km, mb5.9/3, MS5.3/7, msh5.4/5 MOS 14 03:44:01.4:1.1:45:49N:151:38E, h47km, mb5.5/106, MS5.1/40, Error ellipse: s-maj=5.0km s-min=3.6km az=105.5 IDC 14 03:44:02.8:0.4:45:51N:151:45E, h46km, 4km, mb4.8/45, mb1.4:8/54, mb1mx4.8/71, mb1mp5.0/54, MS4.8/62, MS14.8/62, ms1mx4.7/74, Error ellipse: s-maj=9.9km s-min=7.5km az=129.0 BJI 14 03:44:02.1:45:48N:151:15E, h44km, mb5.4/85, mb5.4/64, MS5.3/90, MS7.5/282 ISC 14 03:44:02.4:0.3:45:43N:151:50E, h44km, 2km, h44km; pP-N, 1621, s130/1715, mb5.2/490, MS5.1/111, 96C-32D, Kuril Islands

Table with columns: SHO, comp=Z, 1µm, 0.8s, pmax, pmax. Includes stations like SHO, YUK, YUZ, etc.

Table with columns: YSS, Yuzh-Sakhalins, 6.26 287, ePN, Pn, Sn, 03 45 34.1 +2.0, 03 46 43.9 +1.6. Includes stations like YSS, HRK, JSE, etc.

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

679 **2012 JUL** 1350 3h

MJB9	Matsu-Tunnel	13.39 233	ePn	Pn	03 47 06.6	-3.1
USRK	Ussuriysk Ar.	13.91 272	P	Pn	03 47 16.0	-0.8
USRK	comp=Z,7.7um,18.7s,baz=72,slow=37		LR	LR	03 52 40.9	
KLR	Kul'dur	13.92 293	P	Pn	03 47 17.8	+0.9
KLR	comp=Z,0.0nm,0.3s,baz=97,slow=13,SNR=35		LR	LR	03 52 57.1	
KLR	Magadan	14.18 358	eP	Pn	03 47 18.3	+1.4
MA2	Magadan	14.18 358	P	Pn	03 47 19.8	-0.5
MA2	comp=Z,3.9nm,0.3s,baz=167,slow=9.5,SNR=20		LR	LR	03 52 58.1	
MA2	Magadan	14.18 358	eP	Pn	03 47 18.4	-1.9
MA2	Magadan	14.18 358	ePn	Pn	03 47 19.4	-0.9
MSHR	Mys Shmitsa	14.91 266	iP	Pn	03 47 28.3	-1.9
INU	Inuyama	14.92 233	ePn	Pn	03 47 27.2	-3.1
JHU	Hachioji jima	15.26 220	P	Pn	03 47 36.8	+2.1
JHU	comp=Z,7.5nm,0.3s,baz=270,slow=20,SNR=2.2		S	Sn	03 50 10.7	-1.2
JHU	comp=Z,12nm,0.3s,baz=72,slow=20,SNR=3.4		LR	LR	03 56 53.7	
MDJ	Mudanjiang	15.51 275	P	Pn	03 47 34.3	-3.7
MDJ	comp=Z,2um,18.1s,baz=96,slow=50		P	P	03 47 42.3	+0.6
MDJ	comp=Z,1um,5.3s		LR	LR	03 47 49.3	-2.9
MDJ	comp=Z,3um,16.4s		LR	LR	03 50 26.9	-1.7
MDJ	comp=Z,6um,16.6s		LR	LR	03 50 40.8	-1.8
MDJ	comp=Z,10um,15.9s		LR	LR		
MDJ	Mudanjiang	15.51 275	ePn	Pn	03 47 36.8	-1.2
SMY	Shemya	16.46 56	ePn	Pn	03 47 50.3	+0.3
SMY	comp=Z,7.2nm,0.8s		eSn	Sn	03 50 43.8	-7.8
SMY	Shemya	16.46 56	eP	Pn	03 47 50.3	+0.3
SMY	comp=Z,7.2nm,0.8s		P	Pn	03 48 01.3	-2.2
SEY	Seymchan	17.55 1	P	Pn	03 48 00.7	-2.7
SEY	comp=Z,0.4nm,0.3s,baz=170,slow=8.9,SNR=15		P	Pn	03 48 05.1	-0.5
ZEA	Zeya	17.72 307	eP	Sn	03 51 22.0	+0.1
ZEA	comp=Z,1um,4.0s		P	Pn		
ZEA	comp=E,900nm,5.0s		P	Pn		
ZEA	comp=N,500nm,4.0s		P	Pn		
ZEA	comp=N,190nm,1.2s		P	Pn		
ZEA	comp=E,190nm,1.2s		P	Pn		
ZEA	comp=Z,250nm,1.2s		P	Pn		
ZEA	comp=N,600nm,8.0s		P	Pn		
ZEA	comp=Z,500nm,8.0s		P	Pn		
ZEA	comp=E,8um,16.0s		P	Pn		
ZEA	comp=Z,12um,16.0s		P	Pn		
ZEA	comp=N,2um,14.0s		P	Pn		
CN2	Changchun	18.60 274	eP	P	03 48 14.0	-1.8
CN2	comp=N,110nm,1.0s		P	Pn		
CN2	comp=N,200nm,5.0s		P	Pn		
CN2	comp=N,4um,21.0s		P	Pn		
CN2	comp=N,2um,21.0s		P	Pn		
CN2	comp=N,2um,22.0s		P	Pn		
KSR5	Korea Array	19.34 254	P	P	03 48 22.8	-1.1
KSR5	comp=N,1.1nm,0.3s,baz=63,slow=12,SNR=42		P	Pn		
KSR5	comp=N,0.0nm,0.3s,baz=194,slow=0.6,SNR=4.5		P	Pn		
KSR5	comp=N,2um,20.4s,baz=60,slow=35		P	Pn		
KS01	Wonju Array Si	19.35 254	eP	PcP	03 48 22.8	-1.3
KS15	Wonju Array Si	19.37 254	eP	PcP	03 48 24.1	-0.2
KSAR	Wonju Array Be	19.37 254	P	P	03 48 22.8	-1.5
KSAR	Wonju Array Be	19.37 254	PcP	PcP	03 48 22.8	-1.5
KSAR	Wonju Array Be	19.37 254	P	Pn	03 48 22.8	-1.5
KSAR	Wonju Array Be	19.37 254	P	Pn	03 48 29.7	-0.6
CBJJ	Chichijima	19.75 205	P	P	03 48 29.5	+1.0
JNU	Nakatsue	20.08 239	P	P	03 48 32.7	+0.7
JNU	comp=N,65nm,0.9s,baz=37,slow=9.3,SNR=12		LR	LR	03 57 51.3	
JNU	comp=N,4um,18.7s,baz=340,slow=41		P	Pn		
JNU	Nakatsue	20.08 239	eP	P	03 48 32.8	+0.7
INCN	Inchon	20.20 256	eP	P	03 48 33.9	+0.5
INCN	comp=N,160nm,1.0s		P	Pn		
INCN	Inchon	20.20 256	eP	P	03 48 33.9	+0.5
INCN	comp=Z,56nm,0.8s		P	Pn		
TJN	Taoyok	20.30 252	iP	P	03 48 34.5	+0.1
YAK	Yakutsk	20.88 331	P	P	03 48 39.1	-1.3
YAK	comp=Z,32nm,0.3s,baz=211,slow=6.5,SNR=16		LR	LR	03 56 50.4	
YAK	Yakutsk	20.88 331	eP	P	03 48 38.8	-1.6
YAK	comp=Z,228nm,0.8s		P	Pn		
YAK	Yakutsk	20.88 331	eP	P	03 48 38.6	-1.8
YAK	comp=Z,3um,18.4s,baz=82,slow=37		LR	LR	03 48 51.7	
YAK	Yakutsk	20.88 331	eP	P	03 52 32.9	+2.4
YAK	comp=Z,228nm,0.8s		eSS	S	03 52 47.3	-0.4
YAK	comp=Z,142nm,1.1s		P	Pn	03 52 57.3	+4.4
YAK	comp=E,37nm,1.2s		P	Pn		
YAK	comp=N,34nm,1.1s		P	Pn		
YAK	comp=N,388nm,1.6s		P	Pn		
YAK	comp=E,170nm,1.5s		P	Pn		
YAK	comp=Z,2um,17.0s		P	Pn		
YAK	comp=E,3um,16.0s		P	Pn		
YAK	comp=N,7um,18.0s		P	Pn		
KIWB	Kanaga Island	21.57 61	eP	P	03 48 46.0	-2.0
GSTR	Great Sitkin T	22.27 61	eP	P	03 48 53.2	-2.2
DL2	Dalian	23.00 264	iP	P	03 49 01.1	-2.1
DL2	comp=N,74nm,1.1s		P	Pn	03 49 18.3	-1.3
DL2	comp=N,65nm,5.8s		P	Pn	03 53 07.3	-3.0
DL2	comp=N,850nm,16.5s		P	Pn		
DL2	comp=N,1um,16.2s		P	Pn		
DL2	comp=N,2um,18.0s		P	Pn		
ATKA	Atka Island	23.42 61	eP	P	03 49 06.9	-0.3
RSD	Bodaibo	26.00 312	eP	P	03 49 28.7	-2.1
BOD	comp=Z,22nm,1.0s		P	Pn		
JOW	Kunigami	26.23 233	P	P	03 49 33.5	+0.3
JOW	comp=Z,52nm,0.9s,baz=45,slow=9.0,SNR=9.0		P	Pn		
JOW	Kunigami	26.23 233	eP	P	03 49 33.7	+0.6
JOW	comp=Z,90nm,1.0s		P	Pn		
BJI	Beijing	26.36 271	P	P	03 49 34.3	+0.1

BJI	comp=Z,150nm,1.5s		S	S	03 54 07.3	+3.2
BJI	comp=Z,1um,3.6s		P	Pn		
BJI	comp=Z,5um,14.2s		LR	LR		
BJI	comp=Z,7um,15.4s		LR	LR		
BJT	Baijiatau	26.37 271	eP	P	03 49 34.1	-0.2
BJT	Baijiatau	26.37 271	eP	P	03 49 34.1	-0.2
BJT	comp=Z,176nm,0.9s		P	Pn		
TIA	Tai'an	27.42 263	P	P	03 49 43.9	+0.1
TIA	comp=Z,26nm,1.5s		P	Pn		
TIA	comp=Z,440nm,5.0s		P	Pn		
TIA	comp=Z,1um,16.5s		LR	LR		
TIA	comp=Z,1um,14.0s		LR	LR		
TIA	comp=Z,1um,15.0s		LR	LR		
SSE	Sheshan	27.58 249	P	P	03 49 46.0	+0.8
SSE	comp=Z,40nm,0.9s		P	Pn	03 54 24.4	+0.9
SSE	comp=Z,220nm,4.1s		P	Pn		
SSE	comp=Z,820nm,16.8s		P	Pn		
SSE	comp=Z,1um,16.8s		P	Pn		
NJ2	Nanjing	28.54 253	eP	P	03 49 54.0	+0.2
NJ2	comp=Z,4um,17.3s		P	Pn	03 50 05.4	-0.2
NJ2	WAKE ISLAND Hy	28.62 149	T	T	03 50 12.8	+1.9
NJ2	WAKE ISLAND Hy	28.63 149	T	T	03 53 05.3	+0.9
NJ2	WAKE ISLAND Hy	28.63 149	T	T	03 54 40.3	+1.6
NJ2	WAKE ISLAND Hy	28.63 149	T	T	03 54 59.3	+0.8
NJ2	comp=Z,26nm,0.8s		P	Pn		
NJ2	comp=Z,290nm,4.7s		P	Pn		
NJ2	comp=Z,5um,15.7s		P	Pn		
NJ2	comp=Z,5um,16.8s		P	Pn		
NJ2	comp=Z,4um,17.3s		P	Pn		
H11N2	WAKE ISLAND Hy	28.62 149	T	T	04 20 30.3	
H11N1	WAKE ISLAND Hy	28.63 149	T	T	04 20 39.9	
H11N3	WAKE ISLAND Hy	28.63 149	T	T	04 20 37.9	
HHC	Hu-ho-hao-tie	29.29 275	eP	P	03 50 01.0	+0.5
HHC	comp=Z,110nm,1.0s		P	Pn	03 50 11.5	-0.8
HHC	comp=Z,720nm,4.6s		P	Pn	03 54 46.5	-4.0
HHC	comp=Z,3um,13.0s		P	Pn	03 55 06.3	-4.0
HHC	comp=Z,7um,12.5s		P	Pn		
HHC	comp=Z,8um,14.5s		P	Pn		
H11S1	WAKE ISLAND Hy	29.67 150	T	T	04 21 58.3	
H11S3	WAKE ISLAND Hy	29.68 150	T	T	04 22 02.5	
H11S2	WAKE ISLAND Hy	29.69 150	T	T	04 21 50.5	
TIY	Taiyuan	29.99 269	eP	P	03 50 07.3	+0.6
TIY	comp=Z,57nm,0.8s		P	Pn	03 54 59.9	-1.7
TIY	comp=Z,1um,18.2s		P	Pn		
TIY	comp=Z,2um,14.6s		P	Pn		
TIY	comp=Z,2um,15.7s		P	Pn		
ULN	Ulanbaatar	30.30 291	eP	P	03 50 08.9	-0.6
ULN	comp=Z,29nm,1.1s		P	Pn		
ULN	Ulanbaatar	30.30 291	eP	P	03 50 08.3	-1.1
ULN	comp=Z,27nm,1.0s		P	Pn		
BTO	Beitou	30.46 276	eP	P	03 50 10.3	-0.6
SONA1	Songino Array	30.73 291	eP	P	03 50 11.7	-1.5
SONM	Songino Array	30.74 291	P	P	03 50 12.1	-1.2
SONM	comp=Z,1.7nm,1.0s,baz=74,slow=7.3,SNR=43		P	Pn	03 53 10.1	+0.1
SONM	comp=Z,5um,18.1s,baz=80,slow=38		P	Pn	04 03 40.8	
TLY	Talaya	31.81 299	eP	P	03 50 20.6	-2.0
TLY	comp=Z,7.6nm,0.7s		P	Pn	03 50 21.6	-1.0
TLY	Talaya	31.81 299	eP	P	03 51 34.7	
TLY	comp=Z,17nm,1.3s		P	Pn		
TLY	comp=Z,6um,17.0s		P	Pn		
GUMO	Guam	32.23 192	LR	LR	04 05 42.7	
ZAK	Zakamensk	32.24 297	eP	P	03 50 23.6	-2.9
ZAK	comp=Z,13nm,1.1s		P	Pn	03 53 13.2	
WHN	Wuhan	32.52 256	iP	P	03 50 28.8	-0.1
WHN	comp=Z,5um,17.9s		P	Pn	03 50 40.1	-0.7
WHN	comp=Z,5um,16.6s		P	Pn	03 55 41.8	+0.9
WHN	comp=Z,6um,17.6s		P	Pn		
SSLB	Suanglung	32.83 239	eP	P	03 50 30.7	-1.1
YULB	Yu-li	32.92 238	eP	P	03 50 34.0	+1.6
TPUB	Ta-pu	33.39 239	eP	P	03 50 37.3	+0.7
OZH	Quanzhou	33.44 244	iP	P	03 50 37.5	+0.5
OZH	comp=Z,59nm,0.8s		P	Pn	03 55 55.1	-0.2
OZH	comp=Z,270nm,3.9s					

AKT	Akhty	69.97 309	eP	P	03 55 09.9 +0.7
AKT			e		03 55 29.6
AKT			pmax	pmax	
B34A	Aery, Baudette	70.08 40	P	P	03 55 08.8 -0.8
	baz=2,208nm,0.9s				
C33A	Trail	70.09 41	P	P	03 55 09.4 -0.4
	baz=317				
HYA	Hoyanger	70.11 343	eP	IAMB	03 55 09.4 0.0
	comp=Z,711m,0.9s				03 55 10.2
WUAZ	Wupatki	70.16 59	P	P	03 55 10.1 -0.4
	baz=312				
WUAZ	Wupatki	70.16 59	eP	P	03 55 12.1 +1.6
	comp=Z,49nm,1.7s				
OSL	Oslo	70.20 340	eP	IAMB	03 55 10.2 +0.1
	comp=Z,78nm,1.1s				03 55 10.6
Y14A	Wickenburg	70.21 62	eP	P	03 55 11.4 +0.7
	comp=Z,18nm,1.1s				
SMCO	Snowmass	70.28 54	eP	P	03 55 11.9 +0.4
	comp=Z,11nm,1.1s				
EIDS	Eidsvold	70.46 180	eP	P	03 55 14.9 +3.0
	comp=Z,25nm,1.1s				
SUE	Sulen	70.50 344	eP	P	03 55 12.2 +0.3
C34A	RKJ Ranch, Bem	70.57 41	P	P	03 55 12.0 -0.7
	baz=317				
AS01	Alice Springs	70.59 197	eP	P	03 55 13.5 +0.6
B35A	Bob, Littlelor	70.60 40	P	P	03 55 12.3 -0.5
	baz=318				
B35A	Bob, Littlelor	70.60 40	eP	P	03 55 12.4 -0.3
	comp=Z,8.7nm,0.8s				
AS31	Alice Springs	70.60 197	eP	P	03 55 14.1 +1.1
	comp=Z,12nm,0.8s				
ASAR	Alice Springs	70.61 197	eP	P	03 55 13.7 +0.7
	comp=Z,9.7nm,0.9s, baz=15, slow=5.6, SNR=38				
ASAR		70.61 197	eP	P	03 55 27.1 +1.2
	comp=Z,42nm,0.9s, baz=15, slow=5.9, SNR=29				
ASAR		70.61 197	eP	LR	04 28 04.1
	comp=Z,218nm,18.9s, baz=20, slow=37				
ISCO	Idaho Springs	70.63 53	P	P	03 55 13.1 -0.4
	baz=314, SNR=7.3				
ISCO	Idaho Springs	70.63 53	eP	P	03 55 14.4 +0.9
	comp=Z,8.2nm,0.9s				
ISCO	Idaho Springs	70.63 53	eP	P	03 55 14.4 +0.9
	comp=Z,8.0nm,1.0s				
KONO	Kongsberg	70.72 341	eP	P	03 55 13.6 +0.3
	comp=Z,40nm,0.9s				
KONO	Kongsberg	70.72 341	iP	P	03 55 12.7 -0.6
	comp=Z,43nm,1.3s				
KONO	Kongsberg	70.72 341	eP	P	03 55 13.3 +0.1
MVCO	Mesa Verde	70.74 56	P	P	03 55 13.9 -0.2
	baz=313				
MVCO	Mesa Verde	70.74 56	eP	P	03 55 14.8 +0.6
	comp=Z,56nm,1.6s				
NCK	Nalchik	70.77 313	eP	P	03 55 14.8 +0.9
	comp=Z,152nm,0.8s				
X16A	Lo Mia Camp	70.86 60	eP	P	03 55 15.6 +0.8
	comp=Z,16nm,1.0s				
KIV	Kislovodsk	70.91 314	eP	P	03 55 15.4 +0.6
KIV	Kislovodsk	70.91 314	eP	P	03 55 15.8 +0.9
KIV	Kislovodsk	70.91 314	iP	P	03 55 15.5 +0.6
	SNR=41				
KIV	Kislovodsk	70.91 314	eP	P	03 55 15.4 +0.6
	03 55 34.4				
	03 57 47.4				
	04 04 31.4 +4.4				
KIV			S	pmax	
	comp=Z,236nm,1.0s				
KIV			MLR	MLR	
ASK	Askoy	70.93 343	eP	IAMB	03 55 15.0 +0.5
	comp=Z,72nm,1.0s				03 55 15.6
KBZ	Khabaz	70.96 313	P	P	03 55 16.1 +1.1
	comp=Z,181nm,0.9s, baz=52, slow=3.4, SNR=224				
KBZ		70.96 313	P	LR	04 30 53.8
C35A	Jirik Farms, M	70.97 42	P	P	03 55 14.2 -0.8
	baz=318				
BER	Bergen	70.99 343	eP	IAMB	03 55 15.3 +0.4
	comp=Z,79nm,0.9s				03 55 15.9
G32A	Webster	71.07 44	P	P	03 55 15.1 -0.7
	baz=316				
G32A	Webster	71.07 44	eP	P	03 55 15.7 0.0
	comp=Z,26nm,0.9s				
ZEI	Tsey	71.11 312	eP	P	03 55 12.1 -4.1
	comp=Z,92nm,0.9s				
ODD1	Odda	71.15 342	eP	IAMB	03 55 16.6 +0.7
	comp=Z,71nm,1.0s				03 55 17.0
S22A	4UR Ranch, Cre	71.34 55	P	P	03 55 17.5 -0.4
	baz=314, SNR=7.8				
S22A	4UR Ranch, Cre	71.34 55	eP	P	03 55 18.8 +1.0
	comp=Z,57nm,1.8s				
D35A	Remer	71.39 41	P	P	03 55 16.8 -0.7
	baz=318				
NEY	Neytrino	71.39 313	eP	pmax	03 55 18.9 +1.0
	comp=Z,12nm,0.8s				
PALK	Pallekele	71.39 261	P	P	03 55 18.2 +0.1
	comp=Z,30nm,1.0s, baz=116, slow=2.4, SNR=5.4				
PALK	Pallekele	71.39 261	eP	LR	04 29 42.2
	comp=Z,565nm,19.2s, baz=81, slow=38				
PALK	Pallekele	71.39 261	eP	P	03 55 18.0 -0.1
	comp=Z,30nm,1.0s				
PALK	Pallekele	71.39 261	P	P	03 55 18.1 +0.1
TBLG	Delisi	71.41 311	eP	pmax	03 55 18.9 +1.1
	comp=Z,250nm,0.8s				
C36A	Pine Crest Far	71.44 40	P	P	03 55 17.2 -0.7
	baz=317				
E35A	Pequot Lakes	71.61 42	P	P	03 55 18.2 -0.7
	baz=318				
SUW	Suwalki	71.61 331	eP	P	03 55 18.0 -0.8
SUW	Suwalki	71.61 331	eP	P	03 55 17.4 -1.4
	comp=Z,104nm,0.9s				
SUW	Suwalki	71.61 331	eP	pmax	03 55 17.4 -1.4
	comp=Z,100nm,0.9s				
BLSS	Blasjo	71.63 342	eP	IAMB	03 55 18.9 0.0
	comp=Z,63nm,1.1s				03 55 19.8
BLSS			IAMS_20	IAMS_20	04 31 35.8
G33A	Ortonville	71.64 44	P	P	03 55 18.4 -0.7
	baz=317, SNR=13				
H32A	Carlson Farm,	71.65 45	P	P	03 55 18.6 -0.6
	baz=316				
214A	Organ Pipe Nat	71.66 63	P	P	03 55 19.5 0.0
	baz=313				
D36A	Goodland	71.73 40	P	P	03 55 18.8 -0.8
	baz=318				
C37A	Embarrass	71.76 40	P	P	03 55 19.1 -0.7
	baz=319				
F34A	Alexandria	71.77 43	P	P	03 55 19.2 -0.7
	baz=317				
OGNE	Ogallala	71.80 50	P	P	03 55 19.8 -0.5
	baz=315				
OGNE	Ogallala	71.80 50	eP	P	03 55 20.8 +0.5
EYMN	Ely	71.90 39	eP	P	03 55 20.0 -0.7
	baz=319				
EYMN	Ely	71.90 39	eP	P	03 55 20.3 -0.3
	comp=Z,20nm,1.3s				
G34A	Genson	71.99 43	P	P	03 55 20.9 -0.4
	baz=317, SNR=6.7				
AKASG	Malin Array Be	72.01 326	P	P	03 55 20.3 -0.9
	comp=Z,12nm,0.4s, baz=36, slow=6.4, SNR=99				
AKASG		72.01 326	P	LR	04 29 40.1
	comp=Z,1um,18.6s, baz=35, slow=38				
AKASG	Malin Array Be	72.01 326	P	pmax	03 55 20.3 -0.9
	comp=Z,11nm,0.4s				
AKASG			MLR	MLR	
AKKB	Malin Array Si	72.01 326	eP	P	03 55 20.4 -0.8
	comp=Z,1um,18.6s				
AKKB	Malin Array Si	72.01 326	eP	P	03 55 20.4 -0.8
	comp=Z,67nm,0.9s				
KIEV	Kiev	72.03 326	eP	P	03 55 19.7 -1.6
KIEV	Kiev	72.03 326	eP	P	03 55 20.3 -1.0

KIEV	Kiev	72.03 326	iP	P	03 55 20.4 -1.0
	SNR=12				
KIEV	Kiev	72.03 326	iP	P	03 55 19.7 -1.6
	comp=Z,811nm,1.0s				
F35A	Swanville	72.05 42	P	P	03 55 21.0 -0.6
	baz=318				
AK11	Malin Array Si	72.05 326	eP	P	03 55 20.4 -1.1
D37A	Cotton	72.08 40	eP	P	03 55 20.9 -0.8
	baz=319				
KMY	Karmoy	72.08 343	eP	P	03 55 22.1 +0.6
SDCO	Great Sand Dun	72.11 54	P	P	03 55 21.7 -0.7
	baz=314, SNR=5.6				
SDCO	Great Sand Dun	72.11 54	eP	P	03 55 22.2 -0.3
	comp=Z,33nm,1.4s				
KLNR	Kaliningrad	72.12 333	iP	pmax	03 55 21.2 -0.6
	comp=Z,306nm,1.3s				
E36A	McGregor	72.17 41	P	P	03 55 21.7 -0.6
	baz=318, SNR=7.4				
C38A	Sawbill Land.	72.17 39	P	P	03 55 21.5 -0.8
	baz=319				
HOMB	Homborsund	72.21 340	eP	P	03 55 22.8 +0.6
STAV	Stavanger	72.24 342	eP	IAMB	03 55 23.2 +0.8
	comp=Z,811nm,1.0s				03 55 24.0
AKH	Akhalkalaki	72.30 311	iP	P	03 55 25.1 +1.7
AKH	Akhalkalaki	72.30 311	eP	P	03 55 25.1 +1.7
	comp=Z,37nm,0.9s				
AKH	Akhalkalaki	72.30 311	eP	P	03 55 25.1 +1.7
	comp=Z,97nm,0.9s				
SNART	Snartemo	72.45 341	eP	IAMB	03 55 24.2 +0.5
	comp=Z,38nm,0.8s				03 55 24.6
GNI	Garni	72.52 310	P	P	03 55 25.0 +0.3
	comp=Z,98nm,1.1s, baz=50, slow=7.1, SNR=67				
GNI		72.52 310	P	LR	04 30 42.4
	comp=Z,96nm,18.7s, baz=40, slow=39				
GNI	Garni	72.52 310	P	P	03 55 25.0 +0.3
	comp=Z,98nm,1.1s				
GNI			MLR	MLR	
IVI	Iviglut	72.53 10	eP	P	03 55 24.7 +0.6
	comp=Z,44nm,1.0s				
F36A	Milaca	72.54 42	P	P	03 55 23.7 -0.8
	comp=Z,8.2nm,1.2s				
F36A	Milaca	72.54 42	eP	P	03 55 23.6 -0.8
	comp=Z,8.2nm,1.2s				
G35A	Watkins	72.56 43	P	P	03 55 24.0 -0.6
	comp=Z,18nm,0.8s				
G35A	Watkins	72.56 43	eP	P	03 55 24.9 +0.3
	comp=Z,18nm,0.8s				
ECSD	EROS Data Cent	72.61 45	P	P	03 55 24.3 -0.6
	baz=317, SNR=1.8				
ECSD	EROS Data Cent	72.61 45	eP	P	03 55 24.4 -0.6
	comp=Z,20nm,1.3s				
SOC	Sochi	72.67 315	iP	P	03 55 25.2 -0.1
	comp=Z,85nm,0.7s				
SOC			ePP	P	03 55 36.8 -1.5
SOC			eSP	P	03 55 42.6 0.0
SOC			e	P	03 08 08.8
SOC			eS	S	04 04 47.1 +0.1
SOC			eSS	S	04 09 25.6 -0.5
SOC			eSSS	SSS	04 12 37.8
SOC			pmax	pmax	
TUC	Tucson	72.68 62	P	P	03 55 25.5 -0.2
	baz=313				
TUC	Tucson	72.68 62	eP	P	03 55 26.9 +1.2
	comp=Z,13nm,1.2s				
TUC	Tucson	72.68 62	eP	pmax	03 55 26.9 +1.2
	comp=Z,13nm,1.2s				
H35A	Sunnyside Ranc	72.78 43	P	P	03 55 25.3 -0.6
	baz=318, SNR=12				
KSCO	Kaye Shedlock	72.84 52	P	P	03 55 26.3 -0.3
	baz=315				
KSCO	Kaye Shedlock	72.84 52	eP	P	03 55 28.1 +1.6
	comp=Z,43nm,1.5s				
E38A	The Farm, Brul	72.89 40	P	P	03 55 25.9 -0.7
	baz=319				
E38A	The Farm, Brul	72.89 40	eP	P	03 55 26.1 -0.5
	comp=Z,16nm,0.8s				
ANN	Anapa	72.89 317	eP	P	03 55 25.4 -1.2
ANN	Anapa	72.89 317	eP	P	03 55 25.4 -1.2
G36A	St. Michael	72.90 42	P	P	03 55 25.9 -0.7
	baz=318				
C40A	Isle Royale Na	72.95 38	P	P	03 55 26.1 -0.8
	baz=320				
F37A	Hinrichs Farm,	73.06 41	P	P	03 55 27.1 -0.5
	baz=319				

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like V39A Pettigrew, UCC Uccle, FVM French Village, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like V42A Cord, BFO Black Forest, N50A Nevada, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like GOLH Golhisar, V45A Humboldt, Y42A Garnett, Star, etc.

XOR	Xorichti	83.68	322	P	P	03 56 25.5	-0.8
NEST	Nestorio	83.70	324	P	P	03 56 26.1	-0.4
BODT	Bodrum	83.71	318	P	P	03 56 25.5	-1.0
BODT	Bodrum	83.71	318	P	P	03 56 25.5	-1.0
NEO	Neokhori	83.71	322	P	P	03 56 25.5	-0.9
NEO	Neokhori	83.71	322	P	P	03 56 25.5	-0.9
SKIA	Skiathos	83.73	322	P	P	03 56 25.8	-0.7
FYTO	Fytoko, Volos	83.75	322	P	P	03 56 26.0	-0.7
FYTO	Fytoko, Volos	83.75	322	P	P	03 56 26.0	-0.7
DAT	Datka	83.86	318	i	P	03 56 27.0	-0.4
NWAO	Narrogin (SRO)	83.95	208	P	P	03 56 27.8	+0.3
NWAO	comp-Z,12nm,0.8s,baz=34,slow=7,SNR=3.3						
NWAO	comp-Z,117nm,18.1s,baz=284,slow=40						
TS1A	Gray	83.96	42	P	P	03 56 26.9	-0.9
TS1A	baz=325						
KPRO	Kipourio	83.96	324	P	P	03 56 26.8	-1.0
U50A	Jamestown	83.98	42	P	P	03 56 27.1	-0.8
Z45A	Winona	83.99	48	P	P	03 56 27.5	-0.4
W48A	Pulaski	83.99	45	P	P	03 56 27.5	-0.4
W48A	baz=323,SNR=11						
V49A	McMinville	83.99	44	P	P	03 56 27.1	-0.9
V49A	baz=323,SNR=6.1						
V46A	Houston	84.02	47	P	P	03 56 27.2	-0.9
V46A	baz=322,SNR=9.9						
X47A	Russellville	84.02	46	P	P	03 56 27.2	-0.9
X47A	baz=323						
RAYN	Ar Rayn	84.05	297	eP	P	03 56 29.0	+0.5
RAYN	comp-Z,24nm,0.7s						
RAYN	Ar Rayn	84.05	297	i	P	03 56 29.0	+0.5
RAYN	SNR=34						
N59A	State Game Lan	84.20	34	P	P	03 56 27.9	-1.0
N59A	baz=329						
N59A	State Game Lan	84.20	34	eP	P	03 56 28.9	0.0
KARY	Karystos	84.24	321	P	P	03 56 28.4	-0.7
TS2A	Hallie	84.29	41	P	P	03 56 28.8	-0.7
AGG	Agios Georgios	84.33	323	eP	P	03 56 28.6	-1.1
AGG	Agios Georgios	84.33	323	eP	P	03 56 27.6	-2.1
AGG	Agios Georgios	84.33	323	eP	P	03 56 28.6	-1.1
W49A	Belvidere	84.34	44	P	P	03 56 29.3	-0.4
LKR	Lokris	84.36	322	P	P	03 56 28.6	-1.1
LKR	Lokris	84.36	322	P	P	03 56 28.6	-1.1
PAGS	Pennsylvania G	84.40	35	eP	P	03 56 30.3	+0.3
PAGS	comp-Z,24nm,1.5s						
U51A	La Follette	84.40	42	P	P	03 56 29.3	-0.8
HRV	Adam Dzewiowski	84.41	30	P	P	03 56 28.9	-1.0
HRV	baz=331						
SWET	Sewane	84.42	44	eP	P	03 56 29.6	-0.6
SWET	comp-Z,21nm,1.0s						
JAN	Janina	84.42	324	P	P	03 56 30.3	+0.2
JAN	Janina	84.42	324	P	P	03 56 30.3	+0.2
JAN	Janina	84.42	324	P	P	03 56 30.3	+0.2
V50A	Pikeville	84.46	43	P	P	03 56 29.5	-0.8
V50A	baz=324,SNR=6.9						
PTL	Penteli	84.48	321	P	P	03 56 29.1	-1.3
PTL	Penteli	84.48	321	P	P	03 56 29.1	-1.3
X48A	Hartselle	84.48	45	P	P	03 56 29.8	-0.6
X48A	Hartselle	84.48	45	eP	P	03 56 30.0	-0.5
TZTN	Tazewell	84.49	42	P	P	03 56 29.9	-0.6
TZTN	baz=325						
TZTN	Tazewell	84.49	42	eP	P	03 56 30.6	+0.2
TZTN	comp-Z,26nm,1.5s						
244A	Avery, Jackson	84.50	49	P	P	03 56 30.5	-0.1
244A	baz=322						
Y47A	UCPARC, Winifre	84.51	46	P	P	03 56 30.3	-0.3
Y47A	baz=323,SNR=7.6						
APE	Apeiranthos	84.53	319	eP	P	03 56 29.0	-1.7
APE	comp-Z,83nm,2.3s						
ZAIG	Zacatecas	84.56	63	eP	P	03 56 32.0	+0.6
ZAIG	comp-Z,19nm,1.4s						
ATHU	Athens Univer	84.58	321	P	P	03 56 29.4	-1.5
ATHU	Athens Univer	84.58	321	P	P	03 56 29.4	-1.5
ATHU	Athens Univer	84.58	321	P	P	03 56 29.4	-1.5
SRN	Sarande	84.59	325	P	P	03 56 29.1	-1.8
VILL	Villia	84.62	322	P	P	03 56 29.7	-1.5
LVR	Lehigh Univer	84.62	34	eP	P	03 56 31.1	0.0
EVR	Evyrtania	84.64	323	P	P	03 56 28.7	-2.6
EVR	Evyrtania	84.64	323	P	P	03 56 28.7	-2.6
VLY	Voula,Athens	84.67	321	P	P	03 56 29.7	-1.7
VLY	Voula,Athens	84.67	321	P	P	03 56 29.7	-1.7
BNI	Bardonecchia	84.68	336	eP	P	03 56 32.3	+0.9
BNI	Bardonecchia	84.68	336	eP	P	03 56 32.3	+0.9
BNI	Bardonecchia	84.68	336	eP	P	03 56 32.3	+0.9
U52A	Thorn Hill	84.70	42	P	P	03 56 30.9	-0.6
U52A	baz=325						
V51A	Loudon	84.71	43	P	P	03 56 31.0	-0.6
V51A	baz=324,SNR=7.8						
V51A	Loudon	84.71	43	eP	P	03 56 31.5	-0.1
SGD	Sagliada	84.72	324	P	P	03 56 31.2	-0.3
W50A	Signal Mountai	84.73	43	eP	P	03 56 31.8	0.0
W50A	baz=324						
IGT	Igoumenitsa	84.74	324	P	P	03 56 30.9	-0.8
IGT	Igoumenitsa	84.74	324	P	P	03 56 30.9	-0.8
IGT	Igoumenitsa	84.74	324	P	P	03 56 30.9	-0.8
DSF	Desfina	84.76	322	P	P	03 56 30.0	-1.9
DSF	Desfina	84.76	322	P	P	03 56 30.0	-1.9
DSL	Palaiou Diesel	84.76	324	P	P	03 56 31.4	-0.4
DSL	Palaiou Diesel	84.76	324	P	P	03 56 31.4	-0.4
X49A	Woodville	84.79	45	P	P	03 56 31.5	-0.5
X49A	baz=324,SNR=8.8						
KEK	Kerkira	84.81	325	P	P	03 56 31.2	-0.8
KEK	Kerkira	84.81	325	P	P	03 56 31.2	-0.8
Y48A	Jasper	84.85	46	P	P	03 56 31.6	-0.7
Y48A	baz=324						
ANX	Ano Chora	84.87	323	P	P	03 56 31.4	-1.1
146A	Union	84.89	48	P	P	03 56 32.0	-0.5
LTK	Loutraki	84.89	322	P	P	03 56 30.5	-2.0
LTK	Loutraki	84.89	322	P	P	03 56 30.5	-2.0
CPCT	Cooper Cave	84.92	43	eP	P	03 56 32.6	-0.1
LOUT	Loutraki	84.92	322	P	P	03 56 30.5	-2.1
IOSP	Ios Island	84.93	319	P	P	03 56 30.7	-2.0
245A	Little AP, Sta	84.93	48	P	P	03 56 32.3	-0.4
344A	Westbrook Farm	84.94	49	P	P	03 56 32.2	-0.6
344A	baz=322						
AQU	L'Aquila	84.95	330	eP	P	03 56 33.5	+0.8
AQU	comp-Z,57nm,1.0s						
AQU	L'Aquila	84.95	330	eP	P	03 56 33.5	+0.8
AQU	comp-Z,57nm,1.0s						
Z47A	Carrollton	84.96	47	P	P	03 56 32.4	-0.4
Z47A	baz=323,SNR=5.9						
SERG	Sergoula	84.96	322	P	P	03 56 30.7	-2.1
TRIZ	Trizonia	84.99	322	P	P	03 56 31.6	-1.3
KARP	Karpathos	85.01	317	eP	P	03 56 33.1	-0.1
KARP	comp-Z,25nm,0.8s						
KARP	Karpathos	85.01	317	P	P	03 56 32.5	-0.7
EFP	Efpalio	85.01	323	P	P	03 56 32.0	-1.1
PVO	Paravola	85.02	323	P	P	03 56 32.5	-0.6
W51A	Cleveland	85.03	43	P	P	03 56 32.9	-0.3
W51A	baz=324						
V52A	Sevierville	85.04	42	P	P	03 56 32.9	-0.3
V52A	baz=325,SNR=9.0						
V52A	Sevierville	85.04	42	eP	P	03 56 33.4	+0.2
V52A	comp-Z,22nm,1.2s						
Z48A	Northport	85.08	46	P	P	03 56 33.0	-0.4
Z48A	baz=323						
U53A	Fall Branch	85.09	41	P	P	03 56 33.1	-0.4
U53A	baz=325,SNR=8.3						
TKL	Tuckaleechee C	85.10	42	P	P	03 56 32.8	-0.8
TKL	comp-Z,9.4nm,0.8s,baz=320,slow=2.1,SNR=13						
TKL	comp-Z,661nm,21.8s,baz=338,slow=35						
TKL	Tuckaleechee C	85.10	42	eP	P	03 56 33.1	-0.5
TKL	comp-Z,14nm,0.9s						
LAKA	Lakka	85.14	322	P	P	03 56 32.9	-0.8
LAKA	Lakka	85.14	322	P	P	03 56 32.9	-0.8
X50B	Fort Payne	85.16	44	P	P	03 56 33.4	-0.6
X50B	baz=324,SNR=5.6						

PSUB	Penn St. - Bra	85.17	34	eP	P	03 56 34.8	+1.0
PSUB	comp-Z,38nm,1.9s						
PDO	Prodromos	85.18	323	P	P	03 56 33.3	-0.6
DID	Didima	85.20	321	P	P	03 56 31.2	-2.9
DID	Didima	85.20	321	P	P	03 56 31.2	-2.9
MATE	Mater	85.23	327	iP	P	03 56 33.9	-0.2
KLV	Kalavryta, Ach	85.23	322	P	P	03 56 32.9	-1.3
KLV	Kalavryta, Ach	85.23	322	P	P	03 56 32.9	-1.3
GUR	Goura	85.24	322	P	P	03 56 32.8	-1.5
GUR	Goura	85.24	322	P	P	03 56 32.8	-1.5
147A	Livingston	85.27	47	eP	P	03 56 34.0	-0.4
147A	Livingston	85.27	47	eP	P	03 56 34.0	-0.4
Y49A	Blount Mountai	85.27	45	P	P	03 56 33.8	-0.7
Y49A	comp-Z,37nm,1.0s						
Y49A	Blount Mountai	85.27	45	eP	P	03 56 34.1	-0.3
Y49A	comp-Z,9.9nm,0.9s						
BLA	Blacksburg	85.36	39	P	P	03 56 34.2	-0.7
BLA	Blacksburg	85.36	39	eP	P	03 56 34.1	-0.8
BLA	Blacksburg	85.36	39	eP	P	03 56 34.9	0.0
BLA	Blacksburg	85.36	39	eP	P	03 56 34.9	0.0
W52A	Murphy	85.49	43	P	P	03 56 34.8	-0.7
W52A	comp-Z,17nm,1.0s						
W52A	Murphy	85.49	43	eP	P	03 56 35.7	+0.2
W52A	baz=325						
DRD	Drosia	85.50	322	P	P	03 56 35.3	-0.2
DRD	Drosia	85.50	322	P	P	03 56 35.3	-0.2
RLS	Riolos of Patr	85.51	323	P	P	03 56 35.1	-0.4
RLS	Riolos of Patr	85.51	323	P	P	03 56 35.1	-0.4
V53A	Saluda	85.55	42	eP	P	03 56 36.4	-1.2
V53A	baz=325,SNR=5.6						
V53A	Saluda	85.55	42	eP	P	03 56 36.0	+0.1
V53A	comp-Z,12nm,1.1s						
FSK	Fiskardo	85.56	323	P	P	03 56 34.8	-0.9
Y50A	Piedmont	85.58	45	P	P	03 56 35.2	-0.8
Y50A	comp-Z,14nm,1.5s						
247A	Qutman	85.58	48	P	P	03 56 35.4	-0.6
247A	baz=322						
LRAL	Lakeview Retre	85.63	46	P	P	03 56 35.6	-0.6
LRAL	baz=325						
LRAL	Lakeview Retre	85.63	46	eP	P	03 56 35.5	-0.8
148A							

MKAR	comp=Z,1.0nm,0.6s,baz=65,slow=5.1,SNR=3.1	PcP	PcP	04 21 30.8 -0.5
MK01	Makanchi Array	46.83 298 eP	P	04 19 57.7 -1.0
MAK2	Makanchi	47.02 298 eP	P	04 19 59.6 -0.5
MAKZ	comp=Z,1.6nm,0.8s	eP	P	
MAKZ	Makanchi	47.02 298 eP	P	04 19 59.6 -0.5
MAKZ	comp=Z,5.0nm,0.8s	pmax	pmax	
KURK	Kurchatov	47.44 304 eP	P	04 20 01.7 -1.5
KURK	Kurchatov	47.44 304 eP	PcP	04 20 01.7 -1.5
KURK	Kurchatov	47.44 304 eP	P	04 20 02.4 -1.6
KURBB	Kurchatov Arra	47.53 304 P	P	
KURBB	comp=Z,3.1nm,0.6s,baz=73,slow=8.5,SNR=24	P	P	04 21 33.5 +0.2
KURBB	comp=Z,0.9nm,0.9s,baz=66,slow=3.8,SNR=4.2	PcP	P	04 21 33.5 -0.1
LSA	Lhasa	49.47 273 eP	P	04 20 21.3 +1.5
LSA	comp=Z,6.6nm,0.5s	eP	P	
LSA	Lhasa	49.47 273 eP	P	04 20 21.3 +1.5
LSA	comp=Z,7.0nm,0.5s	pmax	pmax	
CHTO	Chiang Mai	50.92 257 eP	P	04 20 30.8 +0.5
BVAR	Borovy Array	51.10 310 P	P	04 20 29.9 -1.4
BVAR	comp=Z,1.8nm,0.7s,baz=66,slow=8.3,SNR=9.2	PcP	PcP	04 21 46.1 -0.5
BVAR	comp=Z,1.8nm,0.7s,baz=60,slow=3.8,SNR=5.6	P	P	
BRVK	Borovy	51.14 310 eP	P	04 20 31.0 -0.6
BRVK	Borovy	51.14 310 eP	P	04 20 31.0 -0.6
CMAR	Chiang Mai Arr	51.17 256 P	P	04 20 31.5 -0.6
RES	Resolute Bay	52.49 18 eP	P	04 20 41.1 -0.2
RES	comp=Z,2.1nm,0.8s	eP	P	
RES	Resolute Bay	52.49 18 eP	P	04 20 41.1 -0.2
RES	comp=Z,2.0nm,0.8s	pmax	pmax	
YKA	Yellowknife Arr	52.62 36 P	P	04 20 42.3 0.0
YKA	comp=Z,1.8nm,0.9s,baz=299,slow=6.9,SNR=5.8	P	P	
YLHL	Uthoi	52.78 295 P	P	04 20 44.9 +0.7
YLHL	SNR=32	P	P	
TKM2	Tokmak 2	52.84 296 P	P	04 20 45.5 +0.9
TKM2	SNR=7.7	P	P	
USP	Ospenovka	53.36 297 P	P	04 20 49.0 +0.7
USP	SNR=14	P	P	
KBK	Karagaybulak	53.39 296 P	P	04 20 49.4 +0.8
KBK	SNR=8.4	P	P	
KZA	Kyzart	53.50 296 P	P	04 20 51.3 +1.6
KZA	SNR=21	P	P	
AKA	Ala-Archa	53.69 297 P	P	04 20 51.5 +0.7
AKA	comp=Z,1.5nm,0.8s,baz=108,slow=3.0,SNR=9.8	eP	P	
AAK	Ala-Archa	53.69 297 P	P	04 20 51.4 +0.7
AAK	SNR=10	P	P	
AAK	Ala-Archa	53.69 297 eP	P	04 20 51.6 +0.8
AAK	Ala-Archa	53.69 297 eP	P	04 20 51.6 +0.8
KBS	Kingsbay	53.78 351 eP	P	04 20 50.9 +0.1
KBS	Splitsbergen Arr	53.88 350 P	P	04 20 50.1 -1.4
KBS	comp=Z,1.0nm,0.4s,baz=21,slow=12,SNR=6.8	P	P	
EKS2	Erkin-Say	54.12 297 P	P	04 20 54.8 +0.8
EKS2	SNR=29	P	P	
JIRN	Jiri	54.18 275 eP	P	04 20 55.7 +0.9
JIRN	comp=Z,4.6nm,0.8s	eP	P	
GUN	Gumba	54.24 275 eP	P	04 20 56.0 +0.7
GUN	comp=Z,2.9nm,0.8s	eP	P	
RAMN	Ramite	54.32 274 eP	P	04 20 56.3 +0.6
RAMN	comp=Z,4.2nm,0.8s	eP	P	
KSH	Kashi	54.39 293 P	P	04 21 00.6 +4.7
KSH	SNR=15	sP	sP	
KSH	Kashi	54.39 293 eP	P	04 21 12.0 +4.5
KSH	comp=Z,10.0nm,0.8s	pmax	pmax	
KSH	Kashi	54.39 293 P	P	04 22 04.1 +4.6
KSH	comp=Z,10.0nm,0.8s	pmax	pmax	
AML	Almayashu	54.46 297 P	P	04 20 57.5 +0.8
AML	SNR=15	P	P	
KKN	Kakani	54.74 275 eP	P	04 20 59.5 +0.8
KKN	comp=Z,2.3nm,0.7s	eP	P	
DMN	Daman	54.97 275 eP	P	04 21 01.3 +0.9
DMN	comp=Z,3.0nm,0.8s	eP	P	
GKN	Gokhri	55.06 276 eP	P	04 21 01.7 +0.7
GKN	comp=Z,2.5nm,0.6s	eP	P	
DANN	Dangsing	55.47 277 eP	P	04 21 05.4 +1.4
DANN	comp=Z,2.5nm,0.5s	eP	P	
ARU	Arti	55.48 318 eP	P	04 21 03.0 -0.4
ARU	Arti	55.48 318 eP	P	04 21 01.6 -1.8
ARU	comp=Z,4.8nm,0.9s	eP	P	
ARU	Arti	55.48 318 dP	P	04 21 00.2 -3.2
ARU	comp=Z,2.0nm,0.8s	eP	P	
ARU	Arti	55.48 318 eP	P	04 22 01.5
ARU	comp=Z,1.5nm,0.8s	S	S	04 28 42.2 -4.2
ARU	Arti	55.48 318 eP	SS	04 32 29.1 -1.6
ARU	comp=Z,5.0nm,1.0s	pmax	pmax	
KK31	Karatay Array	55.92 299 eP	P	04 21 07.0 +0.2
KK31	Karatay Array	55.92 299 eP	P	04 21 07.0 +0.2
KKAR	Karatay Array	55.92 299 eP	P	04 21 07.0 +0.2
KKAR	Karatay Array	55.92 299 eP	P	04 21 07.0 +0.2
KOLN	Koldanda	55.93 277 eP	P	04 21 08.0 +0.7
KOLN	comp=Z,2.4nm,0.7s	eP	P	
JCW	Jim Creek	56.12 54 eP	P	04 21 08.5 +0.4
JCW	Pluthan	56.16 277 eP	P	04 21 09.7 +0.8
PYUN	Danmarks Havn	56.06 357 iP	P	04 21 20.9 -0.4
PYUN	comp=Z,6.5nm,0.8s	eP	P	
DAG	Danmarks Havn	56.06 357 iP	P	04 21 20.9 -0.4
DAG	comp=Z,7.0nm,0.8s	pmax	pmax	
PRGR	Permogore	58.11 327 eP	P	04 21 20.7 -1.2
PRGR	comp=Z,5.0nm,0.6s	eP	P	
PRGR	Permogore	58.11 327 eP	P	04 21 25.2 -0.8
PRGR	Permogore	58.11 327 eP	P	04 21 27.1 -0.4
ABKAR	Akbulaq Array	58.67 310 eP	P	04 21 27.0 -0.5
ARCES	ARCES Array B	58.93 341 eP	P	04 21 27.0 -0.5
ARCES	comp=Z,6.8nm,0.8s,baz=35,slow=6.6,SNR=15	eP	P	
ARCES	ARCES Array B	58.93 341 eP	P	04 21 27.0 -0.5
AKTO	Aktuybinsk	59.03 312 eP	P	04 21 27.7 -0.9
AKTO	comp=Z,1.9nm,0.6s,baz=57,slow=6.4,SNR=5.3	eP	P	
NIL	Nilore	59.52 288 eP	P	04 21 32.9 +0.7
NIL	Nilore	59.52 288 eP	P	04 21 32.9 +0.7
MISO	Missoula	61.35 51 eP	P	04 21 45.4 +0.8
MISO	comp=Z,2.7nm,1.9s	eP	P	
SUMG	Summit	62.20 3 eP	P	04 21 50.9 +0.6
SUMG	comp=Z,2.8nm,0.9s	eP	P	
SUMG	Summit	62.20 3 iP	P	04 21 50.9 +0.6
SUMG	comp=Z,3.1nm,1.0s	eP	P	
SUMG	Summit	62.20 3 iP	pmax	04 21 50.9 +0.6
SUMG	comp=Z,3.1nm,1.0s	eP	P	
FFC	Flin Flon	62.42 39 eP	P	04 21 52.3 +0.8
FFC	Flin Flon	62.42 39 eP	P	04 21 51.5 0.0
FFC	Flin Flon	62.42 39 eP	P	04 21 51.6 0.0
FFC	comp=Z,3.3nm,0.7s	pmax	pmax	
FFC	Flin Flon	62.42 39 eP	pmax	04 21 51.6 0.0
FFC	comp=Z,3.0nm,0.7s	eP	P	
BOZ	Bozeman (W)	63.38 51 eP	P	04 21 58.5 +0.3
BOZ	Bozeman (W)	63.38 51 eP	P	04 21 58.5 +0.3
BOZ	comp=Z,3.2nm,0.8s	eP	P	
BOZ	Bozeman (W)	63.38 51 eP	P	04 21 58.6 +0.3
BOZ	comp=Z,3.0nm,0.8s	pmax	pmax	
NVAR	Mina Array Bea	63.90 61 P	P	04 22 01.4 -0.6
NVAR	comp=Z,0.4nm,0.4s,baz=299,slow=6.1,SNR=4.9	P	P	
FAI1	FINESS Array S	64.97 335 eP	P	04 22 07.4 -0.8
FAI1	comp=Z,1.5nm,0.8s	eP	P	
FINES	FINESS Array B	64.97 335 P	P	04 22 07.2 -1.0
FINES	comp=Z,1.1nm,0.7s,baz=49,slow=6.5,SNR=35	P	P	
CTAO	Charters Tower	65.27 186 eP	P	04 22 12.7 +2.1
CTAO	Charters Tower	65.27 186 eP	P	04 22 12.7 +2.1
R11A	Troy Canyon C	65.62 60 eP	P	04 22 13.4 +0.4
R11A	comp=Z,1.5nm,0.8s	eP	P	
PDAR	Pinedale Array	66.33 53 P	P	04 22 17.5 -0.1
PDAR	comp=Z,0.9nm,0.9s,baz=265,slow=3.5,SNR=8.4	eP	P	
GEYT	Alibek	66.58 301 P	P	04 22 19.4 +0.3
GEYT	comp=Z,5.7nm,0.5s,baz=49,slow=6.6,SNR=6.5	eP	P	
WRA	Warramonga Arr	66.86 198 P	P	04 22 22.7 -1.0
WRA	comp=Z,1.0nm,0.7s,baz=16,slow=6.6,SNR=7.4	eP	P	
WRA	Warramonga Arr	66.86 198 eP	P	04 22 22.0 +1.3
WRA	Warramonga Arr	66.86 198 eP	P	04 22 22.1 +1.3
WRA	comp=Z,1.0nm,0.7s	pmax	pmax	
VSU	Vasula	67.09 332 eP	P	04 22 21.4 -0.4
VSU	comp=Z,2.0nm,0.8s	pmax	pmax	
SRU	San Rafael Swe	68.15 56 eP	P	04 22 29.9 +0.7
SRU	comp=Z,5.2nm,0.9s	eP	P	
SRU	San Rafael Swe	68.15 56 eP	P	04 22 29.9 +0.7
SRU	comp=Z,5.0nm,0.9s	pmax	pmax	

NC405	NORSAR Array S	69.13 341 eP	P	04 22 35.2 +0.6
NC204	NORSAR Array S	69.20 341 eP	P	04 22 35.8 +0.6
NB2	NORSAR Subarra	69.31 341 eP	P	04 22 35.3 -0.5
HFS	Hagfors	69.50 309 eP	P	04 22 36.2 -0.7
HFS	comp=Z,1.5nm,0.7s,baz=57,slow=5.3,SNR=43	eP	P	
NAO01	NORSAR Array S	69.56 341 eP	P	04 22 38.0 +0.8
ASAR	Alice Springs	70.56 197 eP	P	04 22 44.4 +0.6
ASAR	comp=Z,0.7nm,0.7s,baz=21,slow=6.5,SNR=6.8	eP	P	
ASAR	Alice Springs	70.56 197 eP	P	04 22 45.5 +1.7
ASAR	Alice Springs	70.56 197 eP	P	04 22 45.5 +1.7
ASAR	comp=Z,1.0nm,0.7s	pmax	pmax	
NCK	Nalchik	71.03 313 iP	pmax	04 22 48.0 +1.4
NCK	comp=Z,2.3nm,0.6s	eP	P	
KIV	Kislovodsk	71.17 314 eP	P	04 22 49.2 +1.6
KIV	Kislovodsk	71.17 314 eP	P	04 22 49.7 +1.1
KIV	Kislovodsk	71.17 314 eP	P	04 22 48.4 +0.8
KIV	comp=Z,1.1nm,1.0s	e	e	04 23 06.3
KIV	comp=Z,3.1nm,1.0s	pmax	pmax	
KBZ	Khabaz	71.22 314 P	P	04 22 48.9 +1.2
KBZ	comp=Z,2.0nm,0.8s,baz=39.9,SNR=37	eP	P	
ZEI	Tsey	71.37 312 eP	P	04 22 48.5 -0.4
ZEI	comp=Z,9.0nm,0.6s	eP	P	
NEY	Neytrino	71.65 313 iP	pmax	04 22 52.4 +1.8
NEY	comp=Z,2.0nm,0.9s	eP	P	
AKASG	Malin Array Be	72.25 326 P	P	04 22 53.1 -0.7
AKASG	comp=Z,3.5nm,0.5s,baz=34,slow=5.9,SNR=9.7	eP	P	
AKBB	Malin Array S	72.25 326 eP	P	04 22 53.5 -0.3
AKBB	comp=Z,2.8nm,0.8s	eP	P	
KIEV	Kiev	72.26 326 eP	P	04 22 53.2 -0.7
KIEV	Kiev	72.26 326 eP	P	04 22 53.2 -0.7
KIEV	comp=Z,8.6nm,0.9s	eP	P	
KIEV	Kiev	72.26 326 eP	pmax	04 22 53.2 -0.7
KIEV	comp=Z,9.0nm,0.9s	eP	P	
AK11	Malin Array Si	72.26 326 eP	P	04 22 54.2 +0.2
AKH	Akhalkalaki	72.56 312 iP	pmax	04 22 57.9 +1.8
AKH	Akhalkalaki	72.56 312 eP	P	04 22 58.5 +2.5
AKH	comp=Z,1.1nm,1.0s	eP	P	
AKH	Akhalkalaki	72.56 312 eP	pmax	04 22 58.5 +2.5
AKH	comp=Z,1.1nm,1.0s	eP	P	

14d 4h

Table with 4 columns: Station Name, Time, Res, and other parameters. Includes stations like KSAR, KSRs, SONM, MKAR, KURBS, KURK, ZALV.

NIED 14 04:30:00, 45.50N, 151.90E, h20km, Mw5.5 Best double couple: M2 0.7000 x 10^17 ...
IDC 14 04:30:57.1, 0.3, 45.53N, 151.44E, h0km, mb5.1/46, mb1 5.1/51, mb1mx5.0/67, mbtmp5.0/51, ML4.5/4, MS4.9/19, Ms1 4.9/19, ms1mx4.8/31, Error ellipse: s-maj=10.7km s-min=8.8km az=120.0
JMA 14 04:30:57.8, 1.1, 45.48N, 151.88E, h30km, Mw5.6
NEIC 14 04:30:58.8, 0.1, 45.52N, 151.32E, h10km, mb5.2/298, MW5.4, Error ellipse: s-maj=3.7km s-min=2.0km az=160.0
Best double couple: NP1 2.63, 0.0000, 323.00000, 7.110.00000
IDC 14 04:30:59.0, 0.7, 45.46N, 151.47E, h0.02, h30km, 4km, mb5.1/444, MS5.3/53 Error ellipse: s-maj=4.0km s-min=1.8km az=163.7
SKHL 14 04:31:00.6, 0.3, 45.22N, 151.76E, h50km, 7km, mb5.5/1, Ms5.4/4
MOS 14 04:31:02.3, 1.1, 45.51N, 151.38E, h47km, mb5.4/100, MS5.5/23, Error ellipse: s-maj=5.1km s-min=3.7km az=106.3
BUJ 14 04:31:03.3, 45.50N, 151.05E, h42km, mb5.5/84, mb5.5/63, Ms5.5/88, Ms7.5/4/81
ISC 14 04:31:01.5, 0.5, 45.40N, 151.38E, 0.03, h31km, 2km, h31km: p-P, n1643, r1933/1638, mb5.2/487, MS5.4/67, 12B-C-33D, Kuril Islands

Main table with columns: Code, Station Name, Phase ID, Time, Res. Lists stations like KUR, SHO, YUK, LAGR, JOSA, etc.

2012 JUL

Main table with columns: Station Name, Time, Res, and other parameters. Lists stations like LAGR, JOSA, etc.

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Main table with columns: Station Name, Time, Res, and other parameters. Lists stations like OFUJ, OKH, JRG, JIO, NKL, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, etc. Includes call signs like UTTA, CMMT, CHTO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, etc. Includes call signs like ARU, SFK, KK31, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, etc. Includes call signs like 003D, J08A, KBL, etc.

Table with columns: Name, Comp, Time, P, Pmax, I, Iamb, IAMS_20, IAMS_200, IAMS_2000, IAMS_20000, etc. Rows include CWC Cottonwood Cre, DGMT Dagmar, GRAC Grapevine Rang, AHID Auburn Hatcher, etc.

Table with columns: Name, Comp, Time, P, Pmax, I, Iamb, IAMS_20, IAMS_200, IAMS_2000, IAMS_20000, etc. Rows include K22A Casper, MDND Maddock, MDND Maddock, ULM Lac du Bonnet, ULM Lac du Bonnet, FRD Ford Ranch, etc.

Table with columns: Name, Comp, Time, P, Pmax, I, Iamb, IAMS_20, IAMS_200, IAMS_2000, IAMS_20000, etc. Rows include C33A Trail, OSL Oslo, WUAZ Wupatki, WUAZ Wupatki, Y14A Wickenburg, SMCO Snowmass, SUE Sulen, etc.

Table with columns: STAV, IAMS_20, IAMS_20, 05 14 10.5, and various station identifiers like AKH, C38A, E36A, etc.

Table with columns: CBKS, Cedar Bluff, 74.64, 50, eP, P, 04 42 38.2 +0.5, and various station identifiers like E42A, F41A, H40A, etc.

Table with columns: NIE, Niedzica, 76.40, 330, eP, P, 04 42 48.3 +0.8, and various station identifiers like CRVS, CRVS, MSTX, etc.

EKA	Eszkdalemur Ar	77.35 345 P	P	04 42 52.8 0.0
L42A	Oliver, Polo	77.35 42 eP	P	04 42 51.8 -1.1
L42A	Oliver, Polo	77.35 42 eP	P	04 42 51.9 -1.1
ESK	Eszkdalemur	77.38 345 eP	P	04 42 53.4 +0.5
ESK	Eszkdalemur	77.38 345 eP	P	04 42 52.8 0.0
ESK	Eszkdalemur	77.38 345 eP	P	04 42 53.4 +0.5
PVCC	Panska Ves	77.38 333 eP	AMS	05 20 30.0 +0.6
PVCC	Panska Ves	77.38 333 eP	MLR	04 42 53.6 +0.6
Q37A	Longview Farms	77.38 47 P	P	04 42 52.1 -1.1
CJR	Ciuj-Napoca	77.41 326 i/P	P	04 42 55.1 +1.8
CJR	Ciuj-Napoca	77.41 326 i/P	P	04 42 55.1 +1.8
M41A	Milan	77.42 43 P	P	04 42 52.1 -1.2
STKA	Stevens Creek	77.43 189 P	P	04 42 55.0 +1.8
STKA	Stevens Creek	77.43 189 P	pmax	04 42 55.0 +1.8
K43A	Burlington	77.43 41 P	P	04 42 52.0 -1.4
EFOR	EFORIE	77.45 322 i/P	P	04 42 54.7 +1.3
MLR	Muntele Rosu	77.46 324 P	P	04 42 54.3 +0.6
MLR	Muntele Rosu	77.46 324 i/P	P	04 42 54.7 +1.0
MLR	Muntele Rosu	77.46 324 eP	P	04 42 54.2 +0.6
ILGA	Ilgaz	77.47 317 eP	P	04 42 56.0 +2.0
LTVH	L'tav'rites,	77.51 328 i/P	ePKKPbc	04 42 55.9 +2.2
ISR	Istrita	77.51 323 i/P	P	04 42 55.3 +1.4
EDMD	Edmundyrs	77.61 345 eP	P	04 42 54.2 0.0
L43A	Garden Prairie	77.65 41 P	P	04 42 53.3 -1.3
BELQ	Belleterre	77.67 32 P	P	04 42 53.6 -1.1
DRGR	DRGR	77.69 327 i/P	P	04 42 55.5 +0.6
DRGR	DRGR	77.69 327 i/P	P	04 42 55.5 +0.6
VYHS	Vyhne	77.70 330 eP	pmax	04 42 55.7 +0.9
VYHS	Vyhne	77.70 330 eP	P	04 42 55.7 +0.9
VYHS	Vyhne	77.70 330 eP	P	04 42 55.7 +0.9
M42A	Sheffield	77.74 42 P	P	04 42 54.4 -0.7
O40A	La Belle	77.74 44 P	P	04 42 54.5 -0.7
Q38A	Cooks Store, C	77.75 46 P	P	04 42 54.4 -0.8
VRAC	Vranov	77.78 332 i/P	P	04 42 56.4 +1.2
VRAC	Vranov	77.78 332 i/P	P	04 42 56.4 +1.2
VRAC	Vranov	77.78 332 i/P	P	04 42 56.1 +0.9
SECR	SECR	77.78 324 i/P	P	04 43 06.0 +1.1
ICOR	Ion Corvin	77.78 322 i/P	P	04 42 56.9 +1.6
P39B	Salisbury	77.78 45 P	P	04 42 54.7 -0.7
JAVC	Velja Javorina	77.80 331 i/P	P	04 42 57.1 +1.7
PSZ	Piszkesteto	77.81 329 i/P	P	04 42 56.9 +1.4
PSZ	Piszkesteto	77.81 329 i/P	ePKKPbc	04 42 56.3 +0.8
PSZ	Piszkesteto	77.81 329 eP	P	04 42 55.2 -0.3
PSZ	Piszkesteto	77.81 329 i/P	P	04 42 56.9 +1.4
PRA	Prague	77.82 333 eP	AMS	05 20 50.0
PRA	Prague	77.82 333 eP	AMS	05 20 50.0
PRA	Prague	77.82 333 eP	MLR	04 42 56.3 +0.9
PRA	Prague	77.82 333 eP	MLR	04 42 56.3 +0.9
GOPC	GO Pecny, Ondr	77.84 333 eP	AMS	04 42 56.4 +0.8
GOPC	GO Pecny, Ondr	77.84 333 eP	AMS	05 20 40.0
GOPC	GO Pecny, Ondr	77.84 333 eP	MLR	04 42 56.4 +0.8
GOPC	GO Pecny, Ondr	77.84 333 eP	MLR	04 42 56.4 +0.8
PRU	Pruhonice	77.86 333 eP	AMS	04 42 55.7 +0.1
PRU	Pruhonice	77.86 333 eP	AMS	05 20 50.0
PRU	Pruhonice	77.86 333 eP	P	04 42 55.7 +0.1
PRU	Pruhonice	77.86 333 eP	MLR	04 42 55.7 +0.1
VOIR	Willow Grove F	77.87 325 i/P	P	04 42 57.0 +1.1
VOIR	Willow Grove F	77.87 325 i/P	P	04 42 57.1 +1.1
SULR	SULR	77.87 325 i/P	P	04 42 57.1 +0.7
Q39A	Willow Grove F	78.01 46 P	P	04 42 55.9 -0.8
MTUR	Matau	78.04 324 i/P	P	04 42 58.3 +1.4
MTUR	Matau	78.04 324 i/P	P	04 42 58.3 +1.4
KRUC	Moravsky	78.05 327 i/P	P	04 42 57.5 +0.7
GALL	Galloway	78.07 346 eP	Iamb	04 42 57.1 +0.4
GALL	Galloway	78.07 346 eP	Iamb	04 42 58.1
CLGH	Cloghs, Cushen	78.09 347 eP	Iamb	04 42 57.4 +0.6
CLGH	Cloghs, Cushen	78.09 347 eP	Iamb	04 42 58.5
N42A	Yates City	78.09 43 P	P	04 42 56.3 -0.8
P40A	Paris	78.10 45 P	P	04 42 56.4 -0.8
P40A	Paris	78.10 45 eP	P	04 42 57.0 -0.2
M43A	Waltham Towns	78.13 42 P	P	04 42 56.7 -0.6
WMOK	Wichita Mounta	78.13 52 P	P	04 42 56.5 -1.0
WMOK	Wichita Mounta	78.13 52 eP	P	04 42 57.3 -0.2
WMOK	Wichita Mounta	78.13 52 eP	P	04 42 57.3 -0.2
WMOK	Wichita Mounta	78.13 52 eP	pmax	04 42 57.3 -0.2
SMOL	Smolence	78.17 331 eP	P	04 42 58.8 +1.4
SMOL	Smolence	78.17 331 eP	P	04 42 58.8 +1.4
R38A	Fenwick Farms,	78.18 47 P	P	04 42 56.4 -1.2
O41A	Passleys Farm,	78.23 44 P	P	04 42 57.2 -0.7
NKC	Novy Kostel	78.29 334 eP	x	04 43 03.5
NKC	Novy Kostel	78.29 334 eP	AMS	05 20 10.0
NKC	Novy Kostel	78.29 334 eP	AMS	05 20 10.0
NKC	Novy Kostel	78.29 334 eP	MLR	04 42 58.8 +0.7
NKC	Novy Kostel	78.29 334 eP	MLR	04 43 03.5
WTSB	Writerswijk	78.33 339 i/P	P	04 42 58.4 +0.3
MODS	Modra-Piesok	78.34 331 eP	P	04 42 59.7 +1.3
MODS	Modra-Piesok	78.34 331 eP	P	04 42 59.7 +1.3
TOBO	Tobermory, Bru	78.36 35 P	P	04 42 58.1 -0.4
HPK	Haverah Park	78.47 344 eP	P	04 42 58.8 +0.4
N43A	Stutzman Famil	78.41 42 P	P	04 42 58.2 -0.7
P41A	Barry, Barry	78.48 44 P	P	04 42 58.6 -0.7
BUD	Budapest	78.49 329 i/P	P	04 43 00.1 +0.9
Q40A	Laux Farm, Aux	78.50 45 P	P	04 42 58.7 -0.7
BR131	Keeskin Array S	78.53 316 eP	P	04 43 00.9 +1.1
BRTR	Keeskin Array B	78.53 316 eP	P	04 43 00.6 +0.9
R39A	Chumby, Stover	78.53 46 P	P	04 42 58.8 -0.8
M44A	Midewin, Midew	78.59 41 P	P	04 42 58.6 -1.3
M44A	Midewin, Midew	78.59 41 eP	P	04 42 59.5 -0.4
S38A	Stockton	78.60 47 P	P	04 42 59.2 -0.8
IOMK	Kirk Michael	78.62 346 eP	Iamb	04 43 00.3 +0.5
IOMK	Kirk Michael	78.62 346 eP	Iamb	04 43 02.6
HDIL	Hopedale	78.66 43 P	P	04 42 59.5 -0.7
HDIL	Hopedale	78.66 43 eP	P	04 42 59.5 -0.7
PRD	Provadia	78.69 322 i/P	P	04 43 01.3 +1.0
PORT	Forrest	78.73 200 eP	P	04 43 02.1 +1.6

WIM	Isle of Man	78.75 346 eP	P	04 43 01.2 +0.7
KLBO	Killbear Provi	78.78 34 P	P	04 42 59.2 -1.6
ANTO	Ankara	78.83 316 i/P	P	04 43 03.1 +1.8
ANTO	Ankara	78.83 316 eP	P	04 43 02.8 +1.5
ANTO	Ankara	78.83 316 eP	P	04 43 02.8 +1.5
ANTO	Ankara	78.83 316 i/P	P	04 43 03.1 +1.8
T38A	Diamond	78.85 48 P	P	04 43 00.8 -0.6
O43A	Sugar Creek Fa	78.86 43 P	P	04 43 00.5 -0.9
S39A	Bolivar	78.86 47 P	P	04 43 00.3 -1.2
S39A	Bolivar	78.86 47 eP	P	04 43 00.2 -1.2
BR231	Keskin MP Arra	78.86 316 eP	P	04 43 02.6 +1.1
CSKK	Cs'kakko	78.86 330 i/P	P	04 43 02.7 +1.4
GMM	Mits of Mourne	78.87 347 eP	P	04 43 01.8 +0.7
P42A	Winchester	78.90 44 P	P	04 43 00.8 -0.8
P42A	Winchester	78.90 44 eP	P	04 43 01.3 -0.3
TUL1	Leonard	78.90 50 P	P	04 43 00.6 -1.1
KHC	Kasperske Hory	78.91 333 eP	P	04 43 02.3 +0.7
KHC	Kasperske Hory	78.91 333 eP	ePCP	04 43 02.7 -2.9
KHC	Kasperske Hory	78.91 333 eP	x	04 43 03.0
KHC	Kasperske Hory	78.91 333 eP	S	04 51 50.4 +7.0
KHC	Kasperske Hory	78.91 333 eP	AMS	05 21 04.0
KHC	Kasperske Hory	78.91 333 eP	P	04 43 02.2 +0.7
KHC	Kasperske Hory	78.91 333 eP	P	04 43 02.3 +0.7
KHC	Kasperske Hory	78.91 333 eP	eS	04 43 07.2
KHC	Kasperske Hory	78.91 333 eP	MLR	04 53 04.6 +7.0
LWBW	Ladybowwer, Pea	78.92 344 eP	Iamb	04 43 01.9 +0.4
LWBW	Ladybowwer, Pea	78.92 344 eP	Iamb	04 43 04.7
R40A	Maddies Statio	78.94 46 P	P	04 43 01.0 -0.8
R40A	Maddies Statio	78.94 46 eP	P	04 43 00.7 -1.1
R41A	Truxton	78.95 45 P	P	04 43 01.5 -0.4
BMRO	Merriville Lake	79.00 35 P	P	04 43 01.3 -0.7
N44A	Piper City	79.02 42 P	P	04 43 01.4 -0.8
BUKO	Buck Lake	79.03 34 P	P	04 43 01.0 -1.2
WACR	West Acre	79.08 342 eP	Iamb	04 43 03.3 +1.0
WACR	West Acre	79.08 342 eP	Iamb	04 43 03.8
BZS	Buzias	79.09 327 i/P	P	04 43 03.0 +0.5
BZS	Buzias	79.09 327 i/P	P	04 43 03.0 +0.5
GECC	GERESS Array S	79.12 333 eP	P	04 43 03.1 +0.3
GECC	GERESS Array S	79.12 333 eP	pmax	04 43 03.1 +0.3
GECC	GERESS Array S	79.12 333 eP	P	04 43 03.0 +0.2
GERES	GERESS Array B	79.12 333 eP	pmax	04 43 03.0 +0.2
GERES	GERESS Array B	79.12 333 eP	pmax	04 43 03.0 +0.2
GERES	GERESS Array B	79.12 333 eP	P	04 43 02.3 -0.5
GRFO	Grafenberg	79.14 335 eP	P	04 43 03.7 +0.9
ABTX	Abliene, Hawle	79.20 54 P	P	04 43 02.9 -0.5
CONA	Conrad Observa	79.21 331 i/P	P	04 43 04.3 +1.1
TX31	Lajitas Ar. Si	79.21 59 eP	P	04 43 03.6 0.0
TXAR	Lajitas Array	79.21 59 eP	P	04 43 03.3 -0.3
TXAR	Lajitas Array	79.21 59 eP	P	05 01 54.1 +2.0
MZR	Muzera	79.25 292 i/P	P	04 43 04.8 +1.1
P43A	Skapow Pawnee	79.26 43 P	P	04 43 02.7 -0.8
N45A	Kentland	79.27 41 P	P	04 43 02.7 -0.9
Q42A	Golden Eagle	79.33 44 P	P	04 43 03.5 -0.5
T39A	Clever	79.34 47 P	P	04 43 03.3 -0.7
S40A	Lebanon	79.35 47 P	P	04 43 03.3 -0.8
O44A	Mansfield	79.36 42 P	P	04 43 03.2 -0.9
R41A	Rosebud	79.38 45 P	P	04 43 03.5 -0.7
HERR	Herculane	79.39 326 i/P	P	04 43 04.6 +0.4
BWLO	Walerton	79.42 36 P	P	04 43 04.1 -0.3
WPM1	Penmaenmawr	79.47 345 eP	P	04 43 04.8 +0.4
WPM1	Penmaenmawr	79.47 345 eP	P	04 43 05.3 +0.9
CLWO	Collingwood	79.49 35 P	P	04 43 03.4 -1.4
WLF1	Llynfaes	79.52 345 eP	Iamb	04 43 04.8 +0.1
WLF1	Llynfaes	79.52 345 eP	Iamb	04 43 05.3
HHAR	Hobbs	79.61 48 eP	P	04 43 04.9 -0.6
JMB	Yambol	79.63 322 i/P	P	04 43 06.4 +0.9
CCM	Cathedral Cave	79.64 45 P	P	04 43 04.9 -0.8
CCM	Cathedral Cave	79.64 45 eP	P	04 43 04.4 -1.3
CCM	Cathedral Cave	79.64 45 eP	pmax	04 43 04.4 -1.3
CCM	Cathedral Cave	79.64 45 eP	P	04 43 04.8 -0.8
HGO	Heimansgroeve	79.65 339 eS	P	04 53 16.1 +1.1
PMNK	Penbroke	79.66 32 P	P	04 43 04.4 -1.2
BEBN	Eben Emael	79.68 339 i/P	P	04 43 06.0 +0.4
FOEL	Foel Wyfla	79.69 345 eP	P	04 43 06.3 +0.6
R42A	Luebering	79.69 45 P	P	04 43 05.1 -0.8
Q43A	New Douglas	79.72 44 P	P	04 43 05.3 -0.8
S41A	Jilico Farms,	79.74 46 P	P	04 43 05.5 -0.8
MDVR	Moldovita	79.75 326 i/P	P	04 43 06.0 -0.2
WEM	Membach	79.77 338 i/P	P	04 43 06.4 +0.3
U39A	Green Forest	79.77 48 P	P	04 43 05.7 -0.8
RAR	Rarotonga	79.79 134 LR	LR	05 09 50.3
LLW	Llanuwchllyn	79.81 345 eP	P	04 43 06.2 -0.1
MOA	Molin	79.81 332 i/P	P	04 43 07.0 +0.5
P44A	Sand Creek, Wi	79.83 43 P	P	04 43 05.9 -0.7
SFIN	Lafayette	79.83 41 P	P	04 43 05.8 -0.8
SFIN	Lafayette	79.83 41 eP	P	04 43 06.2 -0.5
ARSA	Arzberg	79.91 331 i/P	P	04 43 07.8 +0.8
BANO	Barthoff	79.93 33 P	P	04 43 06.6 -0.6
UCC	Uccle	80.01 339 i/P	P	04 43 07.6 +0.2
UCC	Uccle	80.01 339 eP	P	04 43 08.7 +1.3
UCC	Uccle	80.01 339 eP	pmax	04 43 08.7 +1.3
UCC	Uccle	80.01 339 eP	pmax	04 43 08.7 +1.3
Q44A	Meyer Farm, Va	80.08 44 P	P	04 43 07.2 -0.8
S42A	Caledonia	80.08 45 P	P	04 43 07.2 -0.8
V39A	Pettigrew	80.10 48 P	P	04 43 07.5 -0.7
FVM	Fresh Village	80.10 45 eP	P	04 43 09.0 +0.8
FVM	Fresh Village	80.10 45 eP	pmax	04 43 09.0 +0.8
FVM	Fresh Village	80.10 45 eP	pmax	04 43 09.0 +0.8
U40A	Yellville	80.12 48 P	P	04 43 07.7 -0.7

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like U43A Rector, PARMO Parma, USIN University of, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like GRG Griva, HORT Hortiatis, HORT Hortiatis, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like Y46A Houston, X47A Russelville, KARY Karys, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like X51A Calhoun, V53A Saluda, V53A Saluda, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PVIS Viseu, ES19 SONSECA Array, ES19 SONSECA Array, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KUR comp=Z,42nm,0.3s, KUR comp=N,764nm,0.4s, etc.

Table of radio station data for the 14d 5h section, including call signs like KURK, KURB, and KBVV, frequencies, and other technical details.

Table of radio station data for the 2012 JUL section, including call signs like SHO, SHO, and SHO, frequencies, and other technical details.

Table of radio station data for the 696 section, including call signs like MDSI, LEM, and LEM, frequencies, and other technical details.

IDC 14 04:44.04±1.4, 9.25N-94.14E, h78km, mb3.5/8, mb1 3.6/8, mb1mx3.3/69, mbmtmp3.8/8, Error ellipse: s-maj=58.8km s-min=16.5km az=57.0, Nicobar Islands region

Table of radio station data for the IDC 14 04:44.04±1.4 section, including call signs like MKAR, SONM, and KURBB, frequencies, and other technical details.

NEIC 14 05:17:17.4±0.0, 16.35N-98.40W, h5km, MD4.1 (MEX), After MEX

MEX 14 05:17:17.5±0.0, 16.36N-98.40W, h5km, MD4.1, Near coast of Guerrero

Table of radio station data for the NEIC 14 05:17:17.4±0.0 section, including call signs like PNIG, PNIG, and PNIG, frequencies, and other technical details.

MEX 14 05:22:39.2±0.4, 19.27N-98.86W, h6km±4km, MD3.5, Central Mexico

Table of radio station data for the MEX 14 05:22:39.2±0.4 section, including call signs like VCMV, VCMV, and VCMV, frequencies, and other technical details.

IDC 14 05:24:19.6±1.2, 8.47N-95.12E, h0km, mb3.9/8, mb1 4.0/8, mb1mx3.6/71, mbmtmp3.9/8, Error ellipse: s-maj=51.2km s-min=18.2km az=54.0, Nicobar Islands region

Table of radio station data for the IDC 14 05:24:19.6±1.2 section, including call signs like MKAR, SONM, and KURBB, frequencies, and other technical details.

ISCJBJ 14 05:27:34.7±0.0, 33.32N-102.35E, h0km, mb3.4/8, mb1 4.0/8, mb1mx3.6/71, mbmtmp3.9/8, Error ellipse: s-maj=51.2km s-min=18.2km az=54.0, Nicobar Islands region

Table of radio station data for the ISCJBJ 14 05:27:34.7±0.0 section, including call signs like VCMV, VCMV, and VCMV, frequencies, and other technical details.

IDC 14 04:41:26.6±0.9, 45.45N-151.84E, h0km, mb3.8/13, mb1 3.9/14, mb1mx3.7/74, mbmtmp3.8/74, ML3.5/1, MS4.5/1, Ms1 4.5/1, ms1mx3.4/72, Error ellipse: s-maj=28.3km s-min=21.2km az=85.0

NEIC 14 04:41:28.4±0.4, 45.50N-151.73E, h10km, mb4.0/4, Error ellipse: s-maj=11.2km s-min=7.8km az=135.0

ISCJBJ 14 04:41:29.9±0.5, 45.40N-151.64E, h0.07, h32km, mb3.8/17, MS4.5/1, Error ellipse: s-maj=12.6km s-min=4.9km az=152.4

SKHL 14 04:41:29.4±0.3, 45.62N-151.71E, h39km±6km, mb4.7/3 MOS 14 04:41:30.6±1.3, 45.42N-151.62E, h39km, mb4.2/9, Error ellipse: s-maj=14.4km s-min=11.8km az=150.5

ISCN 14 04:41:32.0±0.7, 45.53N-151.52E, h0.08, h32km, n48, s-109.56, mb3.8/17, Kuril Islands

Table of radio station data for the IDC 14 04:41:29.4±0.3 section, including call signs like KUR, KUR, and KUR, frequencies, and other technical details.

DJA 14 04:42:06.5±0.4, 6.55S-110.5E, h10km, M3.7/7, MLv3.7/7, Sunda Strait

Table of radio station data for the DJA 14 04:42:06.5±0.4 section, including call signs like CGJ, SBJ, and SBJ, frequencies, and other technical details.

ISCJBJ 14 04:43:42.7±0.5, 6.17S-105.38E, h26km, mb3.9/10, Error ellipse: s-maj=14.2km s-min=4.7km az=39.0

DJA 14 04:43:42.3±0.4, 6.55S-110.5E, h10km, M4.4/13, MLv4.4/13

IDC 14 04:43:48.4±2.1, 6.19S-105.29E, h17km±14km, mb3.7/10, mb1 4.0/13, mb1mx3.6/67, mbmtmp4.1/13, Error ellipse: s-maj=39.5km s-min=8.3km az=37.0

ISCN 14 04:43:47.0±0.7, 6.16S-105.37E, h0.06, h26km, n35, s-181/38, mb4.0/10, 2C-AD, Sunda Strait

Table of radio station data for the DJA 14 04:43:42.7±0.5 section, including call signs like CGJ, SBJ, and SBJ, frequencies, and other technical details.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNTI Hanita, KSDI Kefar Szold, MAAOB Mount Meron ar, etc.

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

ISC/JB 14 05:50:23.8±0.9, 31.48N±0.04; 103.22E±0.09, h10km, mb3.5/3, Error ellipse: s-maj=11.5km s-min=5.2km

BJI 14 05:50:29.5±1.38N±0.103; 33E, h20km, ML3.6/16, Ms3.4/3, az=165.7

IDC 14 05:50:47.3±5.1, 29.28N±106.49E, h0km, mb3.6/2, mb1 3.8/4, mb1mx3.3/72, mbtmp3.6/4, ML4.0/2, MS3.1/1, Ms1 3.3/1, ms1mx2.6/60, Error ellipse: s-maj=120.4km, s-min=35.5km az=129.0

ISC 14 05:50:27.1±0.8, 31.38N±0.04; 103.18E±0.07, h10km, n10, az=275/17, mb3.6/3, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CD2 Chengdu, LZH Lanzhou, XAN Xi'an, GYA Guiyang, GTA Gaotai, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes WRA Warramunga Arr, ASAR Alice Springs.

JMA 14 05:56:06.9±1.0, 45.63N±151.63E, h30km, M4.1, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes NEM2 Nemuro 2, JRA Rausu, JNK Nakash, etc.

GUC 14 06:06:32.4±0.5, 24.18S±67.66W, h215km±10km, ML4.1, 2C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes GO02 Mina Guanaco, PB06 IPOC Station P, PB14 IPOC Station P, etc.

SJA 14 06:11:39.5±0.8, 27.00S±66.00W, h17km±13km, ML3.6, MW3.7, 1D, Catamarca Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes AHML Horco Molle, CYA Choya, SLA San Lorenzo, etc.

RRTL Cerro Villucun, RTLL Yavi, RTVC Cerro Valdivia, etc.

ACAN Cantantal, MRA MRA, RFA RFA, etc.

NIED 14 06:13:00, 45.80N±151.70E, h20km, Mw4.4 Best double couple: Mo4.42000±1015 NP1.0±214.00000±.832.00000±.786.00000±. NP2.0±39.00000±.858.00000±.193.00000±.

SKHL 14 06:13:46.4±0.6, 45.13N±152.00E, h39km±5km, mb5.0/4, JMA 14 06:13:46.2±0.9, 45.76N±151.74E, h30km, M4.6

ISC/JB 14 06:13:48.3±0.5, 45.40N±152.07E±0.07, h32km, mb3.9/24, MS3.8/14, Error ellipse: s-maj=11.7km s-min=3.6km az=146.7

MOS 14 06:13:50.4±1.2, 45.42N±151.50E, h49km, mb4.2/11, Error ellipse: s-maj=9.7km s-min=7.7km az=59.5

IDC 14 06:13:53.7±2.4, 45.63N±151.27E, h60km±21km, mb3.7/20, mb1 3.8/25, mb1mx3.7/75, mbtmp3.9/25, ML3.6/2, MS3.7/18, Ms1 3.7/18, ms1mx3.4/73, Error ellipse: s-maj=18.8km s-min=12.3km az=148.0

ISC 14 06:13:50.4±0.6, 45.42N±151.55E±0.06, h32km, n110, az=193/108, MS3.8/14, MS3.8/14, 8C-8D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes KUR Kamakawa 2, SHO Shikotan, SHO Shikotan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, INK Inuvik, MKAR Makanchi Array, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, etc.

SOME 14 06:14:22.0, 44.62N, 82.07E, h5km
ISCJB 14 06:14:23.5, 1.5, 44.62N, 0.07, 82.3E, 0.1, h10km, Error ellipse: s-maj=15.5km s-min=5.5km az=34.6

NINC 14 06:14:23.6, 1.5, 44.69N, 82.09E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=21.9km s-min=3.4km az=117.0

ISC 14 06:14:19.8, 2.3, 44.61N, 0.08, 82.3E, 0.1, h10km, n8, s104, 16, 2C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DJR Jarkent, MK31 Makanchi Array, KAPS Kapalarasan, etc.

SOME 14 06:20:15.3, 44.17N, 81.93E, h0km
IDC 14 06:20:19.0, 1.8, 44.27N, 81.56E, h0km, mb1.3, 6/5, mb1mx3.6/8, mbtmp3.6/5, ML3.3/5, Error ellipse: s-maj=22.5km s-min=12.0km az=126.0

NINC 14 06:20:19.1, 1.3, 44.26N, 81.56E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=17.1km s-min=4.3km az=123.0

ISC 14 06:20:18.8, 1.0, 44.14N, 0.04, 81.71E, 0.05, h10km, n34, s205/60, 10C-7D, Northern Xinjiang

SKHL 14 06:42:59.3, 0.8, 45.77N, 153.48E, h47km, 12km, mb4.8/4 MOS 14 06:42:59.0, 3.1, 45.80N, 153.50E, h47km, mb4.2/5, Error ellipse: s-maj=14.4km s-min=10.4km az=144.8

ISCJB 14 06:43:00.5, 0.7, 46.69N, 0.10, 152.9E, 0.1, h40km, mb3.7/1, Error ellipse: s-maj=16.7km s-min=4.7km az=143.1

IDC 14 06:43:07.8, 2.6, 46.83N, 152.34E, h89km, 23km, mb3.4/1/1, mb1.3, 6/15, mb1mx3.4/80, mbtmp3.9/15, Error ellipse: s-maj=24.7km s-min=15.3km az=149.0

ISC 14 06:43:02.1, 0.8, 46.6N, 0.1, 152.88E, 0.09, h40km, n40, s151/41, mb3.6/11, 1D, Kuril Islands

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

SOME 14 06:47:17.4, 0.5, 3.28N, 0.10, 31.37W, 0.09, h10km, n67, s057/40, mb4.4/25, MS4.0/27, Central Mid-Atlantic Ridge

ISCJB 14 06:47:15.4, 0.4, 3.26N, 0.08, 31.31W, 0.06, h10km, mb4.4/25, MS4.0/27, Error ellipse: s-maj=11.4km s-min=8.7km az=160.4

IDC 14 06:47:15.8, 0.6, 3.34N, 31.36W, h0km, mb4.0/12, ms1.4, 2/12, Ms1mx3.9/68, mbtmp4.0/12, MS4.0/27, Ms1.4, 0/27, ms1mx3.8/54, Error ellipse: s-maj=21.9km s-min=16.8km az=154.0

NEIC 14 06:47:17.3, 0.2, 3.31N, 31.34W, h10km, mb4.7/16, Error ellipse: s-maj=7.7km s-min=6.2km az=166.0

GCMT 14 06:47:17.3, 0.4, 3.36N, 31.28W, h20km, 11km, MW4.9/81, 10 Moment Tensor Solution, s19, c20, s81, c93, Duration: 0

Mu=0.40, 12, Mw=0.23, 14, Mw=0.50, 32, Mw=0.51, 07, Ms=0.71, 23; Best double couple: Ms2.64000e+10 Np1=0.339, 00000, s54, 00000, A=97, 00000, NP2: e=171, 00000, s86, 00000, A=81, 00000. Principal axes: T 2.4990, Plg9, 0000, Azm74, 0000, N 0.2960, Plg5, 0000, Azm343, 0000, P -2.7880, Plg79, 0000, Azm223, 0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 14 06:47:17.4, 0.5, 3.28N, 0.10, 31.37W, 0.09, h10km, n67, s057/40, mb4.4/25, MS4.0/27, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RCBR Riachuelo, H10N3 ASCENSION HYDR0, H10N2 ASCENSION HYDR0, etc.

ISCJB 14 06:47:15.4, 0.4, 3.26N, 0.08, 31.31W, 0.06, h10km, mb4.4/25, MS4.0/27, Error ellipse: s-maj=11.4km s-min=8.7km az=160.4

IDC 14 06:47:15.8, 0.6, 3.34N, 31.36W, h0km, mb4.0/12, ms1.4, 2/12, Ms1mx3.9/68, mbtmp4.0/12, MS4.0/27, Ms1.4, 0/27, ms1mx3.8/54, Error ellipse: s-maj=21.9km s-min=16.8km az=154.0

NEIC 14 06:47:17.3, 0.2, 3.31N, 31.34W, h10km, mb4.7/16, Error ellipse: s-maj=7.7km s-min=6.2km az=166.0

Table with columns: ID, Name, RA, Dec, Az, El, Code, Station Name, Az, El, Phase ID, Op, ISC, h, m, s, ISC, Time, Res, Code, Station Name, Az, El, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like H10N1, ASCENSION HYDR0.15 123 T, ASCN Ascension 20.30 123 eP, H10S3 ASCENSION HYDR0.61 126 T, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, h, m, s, ISC, Time, Res, Code, Station Name, Az, El, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KUR Kuril'sk 2.57 268 i/P, KUR Kuril'sk 252nm,0.3s, KUR Kuril'sk 142nm,0.3s, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, h, m, s, ISC, Time, Res, Code, Station Name, Az, El, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like GLVR comp=N,2um,0.3s, NEM2 Nemuro 2 4.58 246 P, NEM2 Nemuro 2 4.58 246 P, JRA Rausu 4.77 255 P, etc.

NIED 14 06:51:00, 45:40N, 151:70E, h14km, Mw4.8 Best double couple: M1: 1.640000, N1: 1.640000, N2: 0.000000, P1: 1.030000, P2: 0.460000, S1: 0.000000, S2: 0.000000. JMA 14 06:51:36.8, 0.6, 45:44N, 151:74E, h30km, M5.3 GCMT 14 06:51:36.7, 0.5, 45:45N, 151:57E, h30km, Mw4.9/61, Moment Tensor Solution. s31,c35; s61,c78; Duration: 0 Moment tensor: Scale 10^19Nm; Mr:2.22, 16; Mw:1.25, 11; Mo:0.96, 11; Mo:0.38, 14; Mo:1.32, 07; Mo:0.96, 12; Best double couple: Mo:2.55100, 10^16 Np1: 0.37, 000000; s57, 000000; l77, 000000; Np2: 0.240, 000000; s35, 000000; l109, 000000. Principal axes: T: 2.4870, P1g75.0000, Azm271.0000, N: 0.1310, P1g11.0000, Azm44.0000, P: 2.6160, P1g11.0000, Azm136.0000, Azm113 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. NEIC 14 06:51:36.7, 0.2, 45:45N, 151:37E, h10km, mb4.9/103 Error ellipse: s-maj=5.3km s-min=2.9km az=152.0 ISCBJ 14 06:51:37.1, 0.7, 45:38N, 0.03, 151:48E, 0.03, h26km, 5km, mb4.8/167, MS4.3/58, Error ellipse: s-maj=5.4km s-min=2.4km az=153.6 BUJ 14 06:51:38.9, 45:40N, 151:43E, h40km, mb5.0/61, mb5.0/43, Ms4.6/49, Ms7.4/47 MOS 14 06:51:39.8, 0.9, 45:45N, 151:42E, h46km, mb5.0/56, MS4.4/20, Error ellipse: s-maj=6.0km s-min=4.4km az=102.1 SKHL 14 06:51:39.0, 0.9, 45:22N, 151:70E, h52km, 7km, mb5.6/8,

M4s4/4 IDC 14 06:51:41.3, 2.0, 45:52N, 151:39E, h44km, 18km, mb4.3/35, Ms1.4/44, mb1mx3.2/74, mbtmp4.5/42, ML4.4/3, MS4.1/40, Ms1.4/140, ms1mx3.9/76, Error ellipse: s-maj=13.4km s-min=10.1km az=151.0 ISC 14 06:51:40.1, 0.4, 45:36N, 0.05, 151:50E, 0.04, h37km, 1km, n541, s193/565, mb4.9/198, MS4.4/58, 49C-25D, Kuril Islands Code Station Name Az El Phase ID Op ISC h m s ISC Time Res Code Station Name Az El Phase ID Op ISC h m s ISC Time Res KUR Kuril'sk 2.57 268 i/P Pn 06 52 19.8 +0.7 06 52 20.0 252nm,0.3s AMB AMB 06 52 20.0 142nm,0.3s AMB AMB 06 52 20.0 98nm,0.3s AMB AMB 06 52 20.0 4um,0.4s A A 06 52 45.5 +0.5 4um,0.4s A A 06 52 54.0 7um,11.0s AMS AMS 06 53 36.0 10um,11.0s AMS AMS 06 53 36.0 7um,11.0s i/P Pn 06 52 19.6 +0.5 06 52 49.7 +0.7 comp=Z,981nm,0.3s pmax pmax comp=E,142nm,0.2s pmax pmax comp=N,252nm,0.4s smax smax comp=N,4um,0.4s smax smax comp=E,1um,0.5s MLR MLR comp=Z,6um,15.0s SHO SHO 3.65 248 i/P Pn 06 52 34.0 0.0 06 52 48.0 comp=Z,289nm,0.4s AMB AMB 06 52 48.0 comp=Z,257nm,0.4s SHO SHO 06 52 48.0 comp=Z,351nm,0.4s eS Sn 06 53 16.0 +0.3 06 53 35.0 comp=Z,2um,0.4s A A 06 53 35.0 2um,0.4s A A 06 53 07.0 3um,13.0s AMS AMS 06 54 07.0 4um,13.0s AMS AMS 06 54 07.0 comp=Z,2um,13.0s SHO SHO 3.65 248 i/P Pn 06 52 34.5 +0.5 06 53 16.3 +0.6 comp=Z,351nm,0.4s pmax pmax comp=E,257nm,0.3s pmax pmax comp=N,289nm,0.2s smax smax comp=E,124nm,0.7s SHO SHO 06 52 13.7 comp=N,703nm,0.2s YUK YUK 4.23 254 i/P Pn 06 52 43.0 +1.1 06 52 48.0 comp=N,244nm,0.2s YUK YUK 06 52 48.0 comp=N,350nm,0.2s YUK YUK 06 52 48.0 comp=N,1um,0.2s eS Sn 06 53 31.0 +0.9 06 54 20.0 comp=N,3um,0.5s YUK YUK 4.23 254 i/P Pn 06 52 43.3 +1.4 06 53 31.9 +1.8 comp=N,244nm,0.2s pmax pmax comp=Z,1um,0.2s YUK YUK 06 52 32.4 comp=E,350nm,0.1s smax smax comp=N,3um,0.5s YUK YUK 4.28 254 eP Pn 06 52 43.0 +0.5 06 52 52.0 comp=E,589nm,0.5s LAGR LAGR 06 52 52.0 comp=E,540nm,0.5s LAGR LAGR 06 52 52.0 comp=E,1um,0.5s eS Sn 06 53 33.0 +1.9 06 53 48.0 comp=E,5um,0.5s LAGR LAGR 4.28 254 eP Pn 06 52 43.9 +1.4 06 53 33.3 +2.2 comp=Z,1um,0.3s pmax pmax comp=N,589nm,0.4s LAGR LAGR 06 52 43.0 comp=E,540nm,0.2s smax smax LAGR LAGR 06 52 43.0 comp=E,2um,0.4s smax smax comp=N,5um,0.5s GRPR GRPR 4.31 254 eP Pn 06 52 44.0 +1.0 06 52 51.0 comp=N,383nm,0.5s GRPR GRPR 06 52 51.0 comp=N,371nm,0.5s GRPR GRPR 06 52 51.0 comp=N,1um,0.5s eS Sn 06 53 33.0 +1.1 06 53 37.0 +1.8 comp=N,884nm,0.5s GRPR GRPR 4.31 254 eP Pn 06 52 44.8 +1.8 06 53 43.7 +1.8 comp=E,371nm,0.3s pmax pmax comp=Z,1um,0.3s GRPR GRPR 06 52 43.0 comp=N,383nm,0.4s GRPR GRPR 06 52 43.0 comp=N,884nm,0.3s smax smax comp=E,2um,0.5s GRPR GRPR 4.57 251 eP Pn 06 52 48.0 +1.4 06 52 51.0 comp=E,331nm,0.5s GRPR GRPR 06 52 51.0 comp=E,196nm,0.5s GRPR GRPR 06 52 51.0 comp=E,910nm,0.5s eS Sn 06 53 38.0 -0.4 06 53 45.0 comp=E,2um,0.3s A A 06 53 45.0 comp=N,1um,0.5s GRPR GRPR 4.57 251 eP Pn 06 52 48.0 +1.4 06 53 38.8 +0.4 comp=N,331nm,0.5s GRPR GRPR 06 52 48.0 comp=Z,910nm,0.5s GRPR GRPR 06 52 48.0 comp=E,196nm,0.2s smax smax comp=E,196nm,0.2s GRPR GRPR 06 52 48.0

GLVR comp=N,2um,0.3s smax smax NEM2 Nemuro 2 4.58 246 P Pn 06 52 45.9 -0.9 06 53 38.7 0.0 06 50 50.7 +1.4 06 52 55.5 +0.7 06 53 52.7 -0.4 06 52 57.7 -0.7 06 53 02.2 +1.6 06 53 06.0 +0.9 06 54 11.6 0.0 06 53 07.6 +1.9 06 53 07.0 +0.3 06 53 08.0 -0.4 06 53 09.0 comp=N,158nm,0.5s AMB AMB 06 53 11.0 comp=N,400nm,1.0s eS Sn 06 54 16.8 -0.7 06 54 49.0 comp=N,615nm,1.0s A A 06 54 49.0 comp=N,488nm,1.0s SKR SKR 6.16 29 eP Nmax AMS AMS 06 55 36.0 comp=N,1um,15.0s Severo-Kuril's 6.16 29 eP Nmax Pn 06 53 08.3 -0.1 comp=Z,158nm,0.5s pmax pmax comp=Z,400nm,0.8s SKR SKR MLR MLR comp=Z,1um,15.0s SKR SKR MLR MLR comp=Z,1um,13.0s Yuzh-Sakhalins 6.28 288 eP AMB Pn 06 53 12.6 +2.5 06 53 14.2 comp=Z,40nm,0.6s AMB AMB 06 53 16.2 comp=Z,300nm,3.3s YSS YSS eS Sn 06 54 22.2 +1.7 06 55 38.0 comp=Z,1um,15.0s YSS YSS AMS AMS 06 55 38.0 comp=Z,2um,15.0s YSS YSS AMS AMS 06 55 38.0 comp=Z,3um,15.0s YSS YSS eP Nmax Pn 06 53 13.3 +3.2 06 53 12.6 +2.5 comp=Z,40nm,0.6s pmax pmax comp=Z,300nm,3.3s YSS YSS MLR MLR comp=Z,3um,15.0s YSS YSS MLR MLR comp=N,1um,14.0s YSS YSS MLR MLR comp=N,2um,16.0s HRK HRK 6.29 255 eP Pn 06 53 11.9 +1.7 06 54 23.1 +2.3 6.32 270 P Sn 06 53 13.3 +2.7 6.42 260 P Sn 06 53 14.2 +2.2 6.46 262 P Sn 06 53 14.9 +2.2 comp=E,17nm,0.3s, baz=71, slow=15, SNR=81 ASAJ LR Sn 06 54 36.3 +1.1 baz=356, slow=14, SNR=1.0 ASAJ LR 06 55 57.7 ASAJ Asahikawa 6.46 262 P Pn 06 53 15.1 +2.5 6.48 248 P Sn 06 53 12.4 -0.4 6.48 246 eS Pn 06 54 23.2 -2.2 6.69 246 eP Pn 06 53 15.4 -0.2 6.76 254 P Pn 06 53 17.9 +1.1 6.77 273 P Pn 06 53 21.4 +4.6 6.89 258 P Pn 06 53 21.0 +2.5 6.91 244 P Pn 06 53 19.4 +0.7 6.91 244 eP Nmax Pn 06 53 20.0 +1.3 6.92 265 P Pn 06 53 20.0 +1.3 7.04 247 P Pn 06 53 19.4 -1.0 7.07 252 P Sn 06 54 35.6 -3.5 7.07 252 P Pn 06 53 21.0 +1.1 7.17 260 P Pn 06 53 24.8 +0.5 8.08 316 eS AMB Pn 06 53 36.8 +2.1 06 53 39.2 TYV TYV eS A Sn 06 55 05.6 +0.9 06 55 10.5 comp=E,200nm,2.5s TYV AMS AMS 06 56 29.6 comp=E,2um,19.0s TYV AMS AMS 06 56 29.6 comp=E,2um,19.0s TYV AMS AMS 06 56 29.6 comp=Z,49nm,1.0s TYV pmax pmax comp=Z,200nm,2.9s JNB Noboribetsu 8.09 253 P Pn 06 53 34.8 -0.1 06 55 02.8 -2.1 8.35 249 P Sn 06 53 37.7 -0.7 8.35 249 P Sn 06 55 05.5 -5.8 8.68 252 P Sn 06 53 42.3 -0.8 8.68 252 P Sn 06 55 16.9 -2.7 8.69 256 P Sn 06 53 44.3 +1.1 8.75 25 P Pn 06 53 45.9 +2.0 8.75 25 P Sn 06 53 43.4 -0.5 PETK S Sn 06 55 31.6 +1.0 PETK Petropavlovsk- 8.75 25 eP Nmax Pn 06 53 44.7 +0.8 8.75 25 eS Sn 06 55 31.6 +1.0 PETK Petropavlovsk- 8.75 25 eP Nmax Pn 06 53 44.7 +0.8 PETK Nango 8.86 239 P Pn 06 53 41.9 -3.6 8.86 239 P Sn 06 55 14.7 -9.3 8.89 243 P Pn 06 53 44.1 -1.9 8.92 249 P Sn 06 55 17.7 -7.1 8.92 249 P Sn 06 53 45.0 -1.3 8.93 236 P Sn 06 55 18.8 -6.7 8.93 236 P Sn 06 53 43.7 -2.7 8.98 29 eP Nmax Pn 06 53 46.7 -0.4 8.98 29 eP Nmax Pn 06 53 46.7 -0.4 comp=Z,700nm,18.0s PET MRLR MRLR comp=Z,600nm,14.0s JOSH Okushiri-Mats 9.30 254 P Pn 06 53 51.1 -0.4 9.30 254 P Pn 06 53 53.4 -2.4 9.30 254 P Sn 06 55 33.9 -8.6 9.91 329 eS Pmax Pn 06 54 02.2 +2.5 comp=Z,100nm,15.6s JRG Rokugo 10.00 237 P Pn 06 53 59.1 -2.0 10.23 231 P Sn 06 55 44.7 -7.3 10.23 231 P Sn 06 54 01.4 -2.9 10.23 231 P Sn 06 55 43.1 -1.0 NKL Nikolayevsk 10.52 322 eP Nmax Pn 06 54 10.0 +1.9 comp=Z,350nm,2.0s NKL MRLR MRLR comp=N,500nm,15.0s NKL MRLR MRLR comp=N,1um,15.0s NKL MRLR MRLR comp=Z,2um,15.0s TEY Terne 10.52 274 eP Nmax Pn 06 54 11.1 +2.9 11.07 236 P Pn 06 54 13.9 -1.8 11.44 304 eP Nmax Pn 06 54 27.6 +6.8 11.89 232 P Pn 06 54 26.1 -0.9 13.35 233 P Pn 06 54 45.5 -1.3 comp=Z,0.9nm,0.3s, baz=84, slow=15, SNR=10 MJAR LR 07 00 23.3 comp=Z,340nm,21.4s, baz=40, slow=39 MJJB Matsu-Tunnel 13.35 233 eP Nmax Pn 06 54 45.3 -1.5 13.35 233 eP Nmax Pn 06 54 44.8 -2.1 13.35 233 eP Nmax Pn 06 54 45.1 +1.7 13.35 233 i/P Nmax Pn 06 54 44.8 -2.1 13.35 233 i/P Nmax Pn 06 54 44.8 -2.1 comp=Z,15nm,1.3s MAT Matsuhiro 13.35 233 P Sn 06 54 44.6 -2.3 MAT Matsuhiro 13.35 233 P Sn 06 57 08.4 -5.5 USRK USSuriysk Arr. 13.91 272 P Pn 06 54 53.8 -0.7 USRK UR 07 00 17.7 baz=86, slow=13

ARU	comp-Z,12nm,1.0s		MLR	MLR							
NLWA	Neilton Lookout comp-Z,15nm,1.1s	55.59 55	eP	P	07 01 11.4	-0.3					
KK31	Karatay Array	55.69 299	eP	P	07 01 11.8	-0.7					
KK31	Karatay Array	55.69 299	eP	P	07 01 11.8	-0.7					
KKAR	Karatay Array	55.69 299	eP	P	07 01 12.0	-0.5					
KKAR	Karatay Array	55.69 299	eP	P	07 01 12.0	-0.5					
KOLD	Koldana comp-Z,34nm,0.6s	55.69 276	eP	P	07 01 13.8	+0.9					
TULEG	Thule comp-Z,17nm,1.2s	55.70 11	eP	P	07 01 10.8	-1.3					
PYUN	Pluthan comp-Z,12nm,1.0s	55.91 277	eP	P	07 01 15.4	+0.8					
PRGR	Permogore	57.93 327	eP	P	07 01 27.5	-0.5					
PRGR	Permogore	57.93 327	eP	P	07 01 27.5	-0.5					
H04A	Detroit Lake comp-Z,16nm,1.1s	58.04 57	eP	P	07 01 30.5	+1.3					
ARCES	ARCESS Array B comp-Z,5.3nm,0.8s,baz=37,slow=6.7,SNR=9.2	58.79 341	P	P	07 01 32.8	-1.2					
ARCES	ARCESS Array B	58.79 341	eP	P	07 01 33.9	-0.1					
AKTO	Aktjubinsk 58.81 312	P	P	07 01 33.2	-1.2						
AKTO	comp-Z,3.8nm,0.5s,baz=64,slow=7.4,SNR=17		LR	LR	07 29 23.9						
COEN	Coen comp-Z,2.9nm,0.8s	59.52 189	eP	P	07 01 40.8	+1.2					
K05A	Summer Lake comp-Z,6.9nm,1.0s	59.93 58	eP	P	07 01 44.0	+1.5					
TRO	Tromso	60.18 343	eP	IAMB	07 01 42.2	-1.3					
TRO	Tromso	60.18 343	eP	IAMB	07 01 43.3						
WALA	Waterlon Lakes comp-Z,21nm,0.8s	60.20 49	eP	P	07 01 44.2	+0.1					
MOD	Modoc Plateau comp-Z,11nm,1.2s	60.76 59	eP	P	07 01 49.7	+1.6					
J08A	Circle Bar Ran comp-Z,6.3nm,1.0s	60.66 57	eP	PP	07 01 51.4	+1.7					
KBL	Kabul comp-Z,27nm,0.7s	61.53 291	eP	P	07 01 53.2	-0.3					
KBL	Kabul	61.53 291	eP	P	07 01 53.2	-0.3					
BEKR	Beckworth comp-Z,2.7nm,0.7s	61.94 61	eP	P	07 01 56.9	+0.7					
SUMG	Summit comp-Z,3.3nm,0.9s	62.16 3	eP	P	07 01 57.4	0.0					
SUMG	Summit comp-Z,26nm,1.0s	62.16 3	eP	P	07 01 57.4	0.0					
STEI	Steigen	62.35 343	eP	P	07 01 56.5	-1.7					
STEI	Steigen	62.35 343	eP	IAMB	07 01 57.4						
LOF	Lofoten	62.53 344	eP	IAMB	07 01 56.4	-3.0					
LOF	Lofoten	62.53 344	eP	IAMB	07 01 59.7						
FFC	Flin Flon comp-Z,5.0nm,1.3s	62.53 39	eP	P	07 02 00.7	+1.1					
FFC	Flin Flon	62.53 39	eP	P	07 01 58.0	-1.6					
FFC	Flin Flon	62.53 39	eP	P	07 01 58.0	-1.6					
PNTR	Pine Nut comp-Z,5.5nm,0.7s	62.88 61	eP	P	07 02 04.0	+1.5					
LRM	Limekiln Ridge	62.94 51	eP	P	07 02 03.7	+0.9					
EGMT	Eagleten comp-Z,6.4nm,0.8s	63.02 48	eP	P	07 02 03.9	+0.8					
HLID	Halley comp-Z,3.9nm,1.2s	63.23 54	eP	P	07 02 05.6	+0.9					
BOZ	Bozeman (W)	63.53 51	eP	P	07 02 07.5	+0.9					
BOZ	Bozeman (W)	63.53 51	eP	P	07 02 07.5	+0.9					
KVN	Kaiserville comp-Z,14nm,1.4s	63.82 60	eP	P	07 02 09.9	+1.1					
KVN	Kaiserville comp-Z,3.3nm,1.0s	63.82 60	eP	P	07 02 09.9	+1.1					
NV01	Mina Array Sit comp-Z,3.0nm,1.0s	64.08 61	eP	P	07 02 11.2	+0.7					
NVAR	Mina Array Bea comp-Z,1.9nm,0.7s,baz=29,slow=6.7,SNR=9.1	64.08 61	eP	P	07 02 11.6	+1.1					
FIA1	FINESS Array S comp-Z,24nm,1.4s	64.81 334	P	P	07 02 13.6	-1.0					
FINES	FINESS Array B comp-Z,8.0nm,0.5s,baz=50,slow=6.2,SNR=38	64.81 334	P	P	07 02 13.8	-1.8					
FINES	comp-Z,185nm,19.1s,baz=36,slow=38		LR	LR	07 33 05.3						
NSS	Namsos	65.95 342	eP	P	07 02 20.7	-1.2					
NSS	Namsos	65.95 342	eP	IAMB	07 02 21.8						
DUG	Dugway, Tooele comp-Z,3.9nm,1.2s	66.27 56	eP	P	07 02 25.3	+0.7					
DUG	Dugway, Tooele	66.27 56	eP	P	07 02 25.3	+0.7					
GEYT	Alibek comp-Z,6.0nm,1.2s	66.35 300	P	P	07 02 24.3	-0.7					
GYA0B	ALIBECK ARRAY comp-Z,18nm,0.8s	66.35 300	eP	P	07 02 25.8	+0.9					
VRH	Novokhopovsk comp-Z,20nm,0.8s	66.35 320	eP	P	07 02 23.0	-1.6					
VRH	Novokhopovsk	66.35 320	eP	MLR	MLR						
PDAR	Pinedale Array comp-Z,0.5nm,0.7s,baz=270,slow=4.0,SNR=3.9	66.48 52	P	P	07 02 25.7	-0.3					
PDAR	Pinedale Array	66.48 52	eP	P	07 02 26.6	+0.6					
SFJD	Kangertussuaq	66.71 9	LR	LR	07 35 35.0						
WB2	Warrunganga Arr comp-Z,1.16nm,18.6s,baz=340,slow=40	66.84 198	P	P	07 02 28.6	+0.6					
WRA	Warrunganga Arr comp-Z,9.8nm,0.7s	66.84 198	P	P	07 02 28.6	+0.5					
WRA	comp-Z,3.3nm,0.7s,baz=16,slow=6.7,SNR=23		LR	LR	07 27 19.1						
FITZ	Fitzroy Crossi comp-Z,59nm,21.3s,baz=235,slow=32	67.39 207	P	P	07 02 31.9	+0.3					
VSR	Storozhevoje comp-Z,2.9nm,0.8s,baz=190,slow=13,SNR=3.8	67.49 321	eP	P	07 02 30.9	-1.0					
VSR	Storozhevoje	67.49 321	eP	P	07 02 30.9	-1.0					
VORD	Divnogorie comp-Z,620nm,22.0s	67.61 321	eP	P	07 02 30.9	-1.8					
VORD	Divnogorie	67.61 321	eP	P	07 02 30.9	-1.8					
MSU	Marysvalde comp-Z,1.0nm,0.9s	67.74 57	eP	P	07 02 33.0	-1.0					
MSU	Marysvalde	67.74 57	eP	P	07 02 33.0	-1.0					
LCMT	Little Creek M comp-Z,1.9nm,0.8s	68.08 59	eP	P	07 02 37.3	+1.3					
DZM	Mont Dzum comp-Z,190nm,18.1s,baz=195,slow=36	68.47 165	LR	LR	07 23 28.1						
DZM	Mont Dzum	68.47 165	eLR	LR	07 23 28.1						
MOL	Molde comp-Z,124nm,20.8s	68.62 343	eP	IAMB	07 02 38.3	-0.5					
MOL	Molde	68.62 343	eP	IAMB	07 02 39.8						
DOMB	Domabas comp-Z,8.0nm,0.4s	68.77 342	eP	IAMB	07 02 39.4	-0.4					
DOMB	Domabas	68.77 342	eP	IAMB	07 02 39.7						
NC303	NORSAR Array S	68.97 341	eP	P	07 02 40.1	-1.0					
NC303	NORSAR Array S	68.97 341	eP	IAMB	07 02 40.4	-0.6					
NC303	NORSAR Array S	68.97 341	eP	P	07 02 40.2	-0.8					
NC405	NORSAR Array S	68.99 340	eP	P	07 02 40.2	-0.9					
NC204	NORSAR Array S	69.07 341	eP	P	07 02 41.1	-0.6					
NC204	NORSAR Array S	69.07 341	eP	IAMB	07 02 41.2	-0.6					
AKN	Aaknes comp-Z,69nm,1.2s	69.09 343	eP	P	07 02 41.5	-0.3					
AKN	Aaknes	69.09 343	eP	IAMB	07 02 43.0						
MAK	Makhachkala comp-Z,45nm,1.4s	69.12 310	eS	P	07 02 41.4	-0.8					
MAK	Makhachkala	69.12 310	eS	P	07 11 47.8	+2.9					
MAK	Makhachkala	69.12 310	eS	P	07 11 47.8	+2.9					
NB201	NORSAR Subarra comp-Z,241nm,18.0s	69.15 341	eP	P	07 02 41.2	-1.0					
NB201	NORSAR Array S	69.15 341	eP	P	07 02 41.7	-0.5					
NB201	NORSAR Array S	69.15 341	eP	IAMB	07 02 41.9						
NB2	NORSAR Subarra comp-Z,8.3nm,0.5s,baz=28,slow=6.2	69.17 341	P	P	07 02 41.1	-1.2					

NB2	NORSAR Subarra baz=28,slow=6.2	69.17 341	P	P	07 02 41.1	-1.2					
NOA	NORSAR Array B	69.17 341	LR	LR	07 38 07.1						
NB000	NORSAR Array S	69.28 341	eP	P	07 02 42.6	-0.4					
NB000	NORSAR Array S	69.28 341	eP	P	07 02 42.5	-0.4					
NB000	NORSAR Array S	69.28 341	IAMB	IAMB	07 02 44.8						
HFS	Hagfors comp-Z,26nm,1.1s	69.36 339	P	P	07 02 42.3	-1.2					
NC602	NORSAR Array S comp-Z,26nm,0.7s,baz=53,slow=5.6,SNR=104	69.36 340	eP	P	07 02 42.4	-1.0					
NC602	NORSAR Array S	69.36 340	eP	P	07 02 42.9	-0.6					
NC602	NORSAR Array S	69.36 340	eP	IAMB	07 02 43.6						
IDID	Didziasalis comp-Z,84nm,0.6s	69.39 330	eP	IAMB	07 02 42.7	-1.0					
IDID	Didziasalis	69.39 330	eP	IAMB	07 02 45.2						
ISAL	Salakas comp-Z,6.9nm,0.7s	69.40 330	eP	IAMB	07 02 43.0	-0.7					
ISAL	Salakas	69.40 330	eP	IAMB	07 02 45.4						
NAO01	NORSAR Array S comp-Z,7.9nm,0.7s	69.42 341	eP	P	07 02 43.3	-0.5					
NAO01	NORSAR Array S	69.42 341	eP	IAMB	07 02 43.5	-0.4					
NAO01	NORSAR Array S	69.42 341	eP	IAMB	07 02 44.4						
IIGN	Ignalina comp-Z,26nm,1.1s	69.54 330	eP	IAMB	07 02 43.9	-0.7					
IIGN	Ignalina	69.54 330	eP	IAMB	07 02 45.2						
BORG	Borgarnes comp-Z,9.4nm,0.5s	70.09 357	eP	P	07 02 49.4	+1.6					
BORG	Borgarnes comp-Z,26nm,1.1s	70.09 357	eP	P	07 02 49.4	+1.6					
BORG	Borgarnes	70.09 357	eP	P	07 02 49.4	+1.6					
HYA	Hoyanger comp-Z,26nm,1.1s	70.17 343	eP	IAMB	07 02 48.0	-0.4					
HYA	Hoyanger	70.17 343	eP	IAMB	07 02 48.4						
ASO1	Alice Springs comp-Z,15nm,0.7s	70.53 197	eP	P	07 02 52.1	+1.1					
ASAR	Alice Springs	70.54 197	P	P	07 02 52.5	+1.5					
SULE	Sulen comp-Z,2.2nm,0.7s,baz=13,slow=6.2,SNR=24	70.56 344	eP	P	07 02 50.5	-0.2					
SUE	Sulen	70.56 344	eP	IAMB	07 02 51.2						
NCK	Naichik comp-Z,20nm,0.8s	70.91 313	LR	LR	07 02 53.8	+1.1					
KVAR	Kislovodsk Arr comp-Z,34nm,18.6s,slow=40	70.85 314	LR	LR	07 38 30.8						
KIV	Kislovodsk	70.95 314	eP	P	07 02 54.5	+0.9					
KIV	Kislovodsk	70.95 314	eP	P	07 02 54.6	+0.9					
KIV	Kislovodsk	70.95 314	eP	P	07 02 54.0	+0.4					
KIV	Kislovodsk	70.95 314	eP	SKIKP	07 12 24.9	-7.3					
KIV	Kislovodsk	70.95 314	eP	SKIKP	07 12 24.9	-7.3					
KIV	Kislovodsk	70.95 314	eP	SKIKP	07 12 24.9	-7.3					
ASK	Askoy comp-Z,58nm,1.0s	71.00 343	eP	MLR	07 02 52.9	-0.5					
ASK	Askoy	71.00 343	eP	IAMB	07 02 53.6						
KBZ	Khabaz comp-Z,12nm,0.7s	71.01 313	P	P	07 02 54.6	+0.9					
BER	Bergen comp-Z,40nm,0.8s										

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like DSB Dublin, ARSA Arzberg, BCLA Clavie, SOKA Soboth, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like MKAR Makanchi Array, KURB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like SFK Suft-Kurgan, MNAS Manaz, etc.

IDC 14 07:19:54.21.3, 25°51'N-128°32'E, h0km, mb3.7/6, mb1.3/8.6, mb1mx3.5/67, mbtmp3.7/6, Error ellipse: s-maj=60.2km s-min=17.6km az=74.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like JTT3 Tagamusuku3, JNT3 Nagatoyohara, etc.

IDC 14 07:23:40.2.2.4, 24°31'S-179°99'E, h493km, mb3.6/6, mb1.3/7.7, mb1mx3.1/54, mbtmp4.4/7, Error ellipse: s-maj=36.6km s-min=22.4km az=165.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like URZ Urewera, URZ Kaitia Peninsula, etc.

IDC 14 07:40:35.8.1.2, 10°34'N-94.09E, h0km, mb3.7/7, mb1.3/8.7, mb1mx3.5/67, mbtmp3.7/7, Error ellipse: s-maj=63.8km s-min=20.0km az=52.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like PBA Port Blair, PBA La Paz, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like KUR Kuril'sk, KUR Malin Array B, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like SHO Shikotan, SHO 10.0nm,0.4s, etc.

IDC 14 07:53:05.9.3.7, 36°12'S-178°89'W, h0km, mb3.9/2, mb1.4/1.3, mb1mx3.6/47, mbtmp3.9/3, ML3.7/1, Error ellipse: s-maj=97.7km s-min=47.4km az=141.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like MXZ Matakaoa Point, MXZ Waiomatatini S, etc.

NIED 14 07:58:00, 45°70'N, 151°60'E, h14km, Mw4.1, Best double couple: Mb1.84000x1019, Mb1.18x210.00000, 824.00000, 75.00000, NP2=46.00000, 867.00000, 196.00000

SKHL 14 07:58:39.0.7.3, 45°08'N-152°05'E, h36km, mb4.8/6, NEIC 14 07:58:41.8.0.4, 45°41'N-101°11'W, h10km, mb4.6/6, Error ellipse: s-maj=14.9km s-min=11.3km az=162.0

ISCSJ 14 07:58:41.8.0.4, 45°41'N-101°11'W, h15°16'0E, h32km, mb4.2/40, MS3.6/11, Error ellipse: s-maj=9.5km s-min=3.5km az=148.3

JMA 14 07:58:41.8.0.9, 45°65'N-151°63'E, h30km, M4.5, BUJ 14 07:58:42.6, 45°56'N-151°70'E, h49km, mb4.7/23, mb4.8/14, Ms4.3, Ms7.4/2.9

MOS 14 07:58:43.6.0.9, 45°40'N-151°53'E, h47km, mb4.2/14, Error ellipse: s-maj=5.5km s-min=5.5km az=142.9

IDC 14 07:58:46.6.2.4, 45°48'N-151°40'E, h55km, mb2.1km, mb3.5/18, mb1.3/7.23, mb1mx3.6/74, mbtmp3.8/23, ML3.6/3, MS3.3/11, Ms1.3/3.11, ms1mx3.0/72, Error ellipse: s-maj=19.0km s-min=12.6km az=157.0

IDC 14 07:58:43.5.0.6, 45°33'N-108°15'E, h0°06', h32km, n143, s185°151, mb4.3/40, MS3.8/11, 10C-122, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Rows include stations like KUR Kuril'sk, KUR H08S3 Diego Garcia H, etc.

Table with columns for station name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

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Table with columns for station name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

NEIC 14 08:02:09.6:0.0, 44:52S;167:95E, h5km, ML4.0(WEL), After WEL.

NEIC Felt in Queenstown.

WEL 14 08:02:10.0, 45S;168E, h5km, ML4.1/14, South Island

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual (ISC).

BUI 14 08:05:25.9, 16:07S;177:55W, h399km, mb4.8/25, mb4.9/19

IDC 14 08:05:25.6:0.9, 16:28S;177:66W, h389km, 8km, mb4.4/32, mb1.4/435, mb1mx4.3/52, mbmt5.1/35, Error ellipse: s-maj=9.7km s-min=7.7km az=139.0

MOS 14 08:05:26.5:0.8, 16:18S;177:76W, h404km, mb4.7/39, Error ellipse: s-maj=8.5km s-min=6.9km az=137.5

ISCJB 14 08:05:26.3:0.6, 16:28S;177:75W, h406km, mb4.8/27.1, Error ellipse: s-maj=4.8km h406km, mb4.8/27.1, Error ellipse: s-maj=4.8km

GCMT 14 08:05:27.1:0.3, 16:18S;177:53W, h425km, 1km, MW5.3/86, Moment Tensor Solution. s86.c121; Duration: 1s1 Moment tensor: Scale 10^17Nm; Mn=0.78z;03; Mw=0.96z;05; Mo=0.17z;05; Mo0.31z;04; Mw=0.30z;04; Mo=0.30z;05; Best double couple: Mo1.02700x10^17 NP1z;260.00000; s57.00000; lambda=121.00000; NP2z;128.00000; s44.00000; lambda=51.00000; Principal axes: T 1.6640, Plg8.0000, Azm12.0000; N -0.0740, Plg26.0000; Azm278.0000; P -0.9900, Plg63.0000; Azm117.0000; nstai1 refers to body waves, cutoff=40.

WEL 14 08:05:27.1:0.5, 16:29S;177:73W, h403km, 5km, NEIC 14 08:05:27.1:0.5, 16:29S;177:73W, h403km, 5km, mb4.8/235, Error ellipse: s-maj=4.1km s-min=2.5km az=138.0

ISC 14 08:05:28.4:0.7, 16:29S;177:67W, h405km, 0.05, h418km, 6km, n963, o994/970, mb4.8/269, 369-F4D, Fiji Islands region

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual (ISC).

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like TARA Tarawa, OUZ Omahuta, MXZ Matakaoa Point, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like JAY Jayapura, BBOO Buckleboob, WB2 Warramunga Arr, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like MWC Mount Wilson, 109C Camp Elliot, YEST Vespri, etc.

705

TPNV	Topopah Spring	78.39	46	eP	P	08 16 45.1 +0.5
TPNV	comp=Z,18nm,0.8s					
MOD	Modoc Plateau	78.40	40	eP	P	08 16 45.2 +0.6
MOD	comp=Z,2nm,0.8s					
NEE2	Needles Airpor	78.46	49	eP	P	08 16 45.5 +0.7
NEE2	baz=241					
214A	Organ Pipe Nat	78.46	52	P	P	08 16 46.0 +1.0
214A	baz=242,SNR=11					
K05A	Summer Lake	78.50	39	eP	P	08 16 45.9 +0.8
K05A	comp=Z,39nm,1.3s					
PDMC1	Parker Dam,Lak	78.58	49	P	P	08 16 46.2 +0.8
PDMC1	baz=241,SNR=8.9					
G03D	McMinnville,O	78.58	36	P	P	08 16 45.9 +0.7
G03D	baz=233					
J05D	Fort Rock,OR	78.62	38	P	P	08 16 46.4 +0.7
J05D	baz=235					
H04A	Detroit Lake	78.88	37	eP	P	08 16 46.9 0.0
H04A	comp=Z,12nm,0.8s					
SHPR	Sheep Range	78.93	47	eP	P	08 16 48.5 +0.9
SHPR	comp=Z,12nm,1.0s					
PLR	Pine Mountain	79.09	38	eP	P	08 16 49.2 +0.9
PLR	comp=Z,25nm,1.0s					
KINE	Kul'Dur	79.10	329	iP	P	08 16 48.1 +0.2
KINE	comp=Z,9.9nm,1.1s					
W13A	Hualapai Mount	79.15	49	eP	P	08 16 49.3 +0.5
W13A	comp=Z,9.9nm,1.1s					
E05A	Terrebonne,OR	79.17	37	P	P	08 16 49.1 +0.6
E05A	baz=222					
I03D	Lebam	79.23	35	eP	P	08 16 49.2 +0.5
I03D	comp=Z,20nm,0.8s					
Y14A	Wickenburg	79.24	50	eP	P	08 16 49.6 +0.5
Y14A	comp=Z,18nm,1.2s					
BMN	Battle Mountai	79.54	42	eP	P	08 16 50.5 -0.2
BMN	comp=Z,18nm,0.9s					
BMN	Battle Mountai	79.54	42	eP	P	08 16 50.5 -0.2
BMN	comp=Z,18nm,0.9s					
R11A	Troy Canyon,C	79.56	45	P	P	08 16 51.0 +0.1
R11A	baz=240,SNR=6.7					
R11A	Troy Canyon,C	79.56	45	P	P	08 16 51.0 +0.1
R11A	comp=Z,6.8nm,0.9s					
NLWA	Nellor Louku	79.58	34	eP	P	08 16 50.8 +0.2
NLWA	comp=Z,15nm,1.1s					
G05D	Wamic,OR	79.71	37	P	P	08 16 51.8 +0.5
G05D	baz=234					
WVOR	Wild Horse Val	79.72	40	eP	P	08 16 52.3 +0.7
WVOR	comp=Z,18nm,1.0s					
WVOR	Wild Horse Val	79.72	40	eP	P	08 16 52.3 +0.7
WVOR	comp=Z,17nm,1.0s					
MA2	Magadan	79.84	344	iP	P	08 16 52.5 +0.9
MA2	comp=Z,9.0nm,1.1s					
TUC	Tucson	80.16	52	P	P	08 16 55.1 +1.1
TUC	baz=244					
WHN	Wuhan	80.24	306	P	P	08 16 55.4 +1.0
WHN	comp=Z,3.8nm,0.7s					
LON	Longmire	80.32	35	eP	P	08 16 54.4 -0.1
LON	comp=Z,3.8nm,0.7s					
LON	Longmire	80.32	35	eP	P	08 16 54.4 -0.1
LON	comp=Z,4.0nm,0.7s					
J08A	Circle Bar,Ran	80.33	39	eP	P	08 16 55.3 +0.6
J08A	comp=Z,24nm,1.3s					
SUA	Susitna One	80.41	13	eP	P	08 16 55.0 +0.2
SUA	comp=Z,9.9nm,0.9s					
D05A	Enumclaw	80.48	35	eP	P	08 16 56.3 +1.1
D05A	comp=Z,16nm,0.9s					
LCMT	Little Creek M	80.52	47	eP	P	08 16 55.6 -0.3
LCMT	comp=Z,8.8nm,1.0s					
BBB	Bella Bella	80.57	28	eP	P	08 16 55.6 0.0
BBB	comp=Z,8.1nm,1.4s					
X16A	Lo Mia Camp,P	80.61	50	eP	P	08 16 57.4 +0.9
X16A	comp=Z,12nm,0.8s					
CCUT	Cedar Creek,R	80.69	47	eP	P	08 16 58.1 +1.1
CCUT	comp=Z,11nm,1.0s					
CRAG	Craig	80.76	24	eP	P	08 16 58.4 +1.9
CRAG	comp=Z,23nm,1.4s					
KNB	Kanab	80.82	47	eP	P	08 16 58.4 +0.8
KNB	comp=Z,9.0nm,0.8s					
PSUT	Pine Spring	80.83	45	eP	P	08 16 58.2 +0.7
PSUT	comp=Z,9.3nm,0.7s					
PMR	Palmer	80.88	13	eP	P	08 16 56.4 -0.6
PMR	comp=Z,8.8nm,0.8s					
PMR	Palmer	80.88	13	eP	P	08 16 56.4 -0.6
PMR	comp=Z,8.8nm,0.8s					
319A	Douglas	80.90	54	eP	P	08 16 59.5 +1.5
319A	comp=Z,6.0nm,0.8s					
SZCU	Shurtz Canyon	80.91	47	eP	P	08 16 59.1 +1.1
SZCU	comp=Z,55nm,0.8s					
U15A	North Rim	80.92	48	eP	P	08 16 59.1 +0.9
U15A	comp=Z,18nm,0.9s					
A04D	Lummi Island	81.01	33	P	P	08 16 58.6 +0.6
A04D	baz=233,SNR=6.1					
B05A	Bryant	81.06	34	P	P	08 16 58.8 +0.5
B05A	baz=233,SNR=9.7					
GHO	Glory Hole Cre	81.08	13	eP	P	08 16 57.8 -0.4
GHO	comp=Z,8.7nm,0.8s					
G08A	Pilot Rock	81.11	38	eP	P	08 16 59.4 +0.6
G08A	comp=Z,31nm,1.4s					
WUJZ	Wupatki	81.16	49	P	P	08 16 59.7 +0.4
WUJZ	baz=243					
WUJZ	Wupatki	81.16	49	P	P	08 16 59.7 +0.4
WUJZ	comp=Z,17nm,1.0s					
LTY	Liberty	81.25	35	eP	P	08 16 59.5 +0.1
LTY	comp=Z,17nm,1.2s					
HAWA	Hanford	81.39	36	eP	P	08 17 00.8 +0.8
HAWA	comp=Z,17nm,0.9s					
PPLA	Purkeypile	81.42	11	eP	P	08 17 00.4 +0.4
PPLA	comp=Z,8.5nm,1.4s					
BMRM	Bremner River	81.42	16	eP	P	08 16 59.0 -0.9
BMRM	comp=Z,6.6nm,0.9s					
E08A	Dider Farm,El	81.72	37	eP	P	08 17 02.1 +0.4
E08A	comp=Z,4nm,0.8s					
MTPU	Mount Pierson	81.75	47	eP	P	08 17 04.1 +1.5
MTPU	comp=Z,22nm,1.0s					
X18A	Snowflake	81.76	51	eP	P	08 17 03.4 +0.9
X18A	comp=Z,12nm,0.8s					
TCRU	Three Creeks R	81.83	46	eP	P	08 17 04.3 +1.5
TCRU	comp=Z,21nm,0.9s					
BMO	Blue Mountains	81.85	39	eP	P	08 17 02.5 -0.1
BMO	comp=Z,4nm,0.8s					
BMO	Blue Mountains	81.85	39	eP	P	08 17 02.5 -0.1
BMO	comp=Z,4nm,0.8s					
CAST	Castle Rocks	81.92	11	eP	P	08 17 00.8 -1.6
CAST	comp=Z,4.4nm,1.0s					
MSU	Marysville	81.97	46	eP	P	08 17 04.8 +1.2
MSU	comp=Z,3.8nm,0.7s					
MFID	Camas Ranch	81.99	40	eP	P	08 17 03.6 +0.3
MFID	comp=Z,22nm,1.1s					
HPIG	comp=Z,12nm,1.0s	81.99	59	eP	P	08 17 03.9 0.0
BALM	Baldy	82.08	17	eP	P	08 17 03.3 -0.1
BALM	comp=Z,5.8nm,0.8s					
BALM	Baldy	82.08	17	eP	P	08 17 03.3 -0.1
BALM	comp=Z,6.0nm,0.8s					
D08A	Wollman Farm,	82.11	36	eP	P	08 17 04.1 +0.3
D08A	comp=Z,12nm,0.8s					
W18A	Petrified Fore	82.17	50	eP	P	08 17 05.0 +0.4
W18A	baz=244					
W18A	Petrified Fore	82.17	50	eP	P	08 17 05.0 +0.4
W18A	comp=Z,37nm,1.4s					
E09A	Wood Farm,Sta	82.25	37	eP	P	08 17 04.8 +0.3
E09A	comp=Z,6.7nm,0.7s					
TRF	Thorofore Moun	82.29	12	eP	P	08 17 03.9 -0.6
TRF	comp=Z,6.6nm,0.7s					
DUG	Dugway,Toeel	82.34	44	eP	P	08 17 05.5 +0.3
DUG	baz=241					
DUG	Dugway,Toeel	82.34	44	eP	P	08 17 05.5 +0.3
DUG	comp=Z,15nm,1.1s					
DUG	Dugway,Toeel	82.34	44	eP	P	08 17 05.8 +0.5
DUG	comp=Z,15nm,1.1s					
SEY	Seymchan	82.37	347	iP	P	08 17 04.6 -0.1
F10A	Beach Ranch,E	82.50	38	eP	P	08 17 05.6 -0.2
F10A	comp=Z,22nm,0.9s					
121A	Cookes Peak,D	82.54	53	eP	P	08 17 07.3 +0.8
121A	baz=245,SNR=24					
BGA	Big Grassy Moun	82.54	44	eP	P	08 17 06.8 +0.5
BGA	comp=Z,5.5nm,0.9s					
B08A	Colville Reser	82.62	35	eP	P	08 17 06.1 -0.2
B08A	comp=Z,8.9nm,0.8s					
HLID	Halley	82.95	41	P	P	08 17 08.8 +0.5
HLID	baz=240					
HLID	Halley	82.95	41	P	P	08 17 09.0 +0.7
HLID	comp=Z,24nm,0.8s					
TMUT	Trail Moun	83.00	46	eP	P	08 17 09.8 +0.9
TMUT	comp=Z,37nm,0.7s					
ZAGI	Zacatecas	83.07	64	eP	P	08 17 11.1 +1.5
ZAGI	comp=Z,36nm,1.4s					

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HVU	Hansel Valley	83.12	43	eP	P	08 17 09.7 +0.5
HVU	comp=Z,18nm,0.7s					
HVU	Hansel Valley	83.12	43	eP	P	08 17 09.7 +0.5
HVU	comp=Z,18nm,0.7s					
SRU	San Rafael Sw	83.39	46	eP	P	08 17 11.2 +0.5
SRU	comp=Z,29nm,0.8s					
SRU	San Rafael Sw	83.39	46	eP	P	08 17 11.2 +0.5
SRU	comp=Z,29nm,0.8s					
JLU	Jordanelle	83.45	45	eP	P	08 17 11.4 +0.4
JLU	comp=Z,15nm,0.8s					
MLY	Manley	83.63	11	eP	P	08 17 10.0 -1.1
MLY	comp=Z,9nm,0.8s					
WRH	Wood River Hill	83.65	12	eP	P	08 17 10.3 -0.9
WRH	comp=Z,17nm,1.3s					
TCUT	Toone Canyon	83.71	44	eP	P	08 17 13.0 +0.6
TCUT	comp=Z,50nm,0.8s					
LAZ	Ladron	83.81	52	eP	P	08 17 14.0 +1.1
LAZ	comp=Z,10nm,0.7s					
P18A	Preston Nutter	83.82	46	eP	P	08 17 13.3 +0.3
P18A	comp=Z,10nm,0.7s					
LENM	Lemitar	83.83	52	eP	P	08 17 13.6 +0.6
LENM	comp=Z,6.7nm,0.8s					
HWUT	Hardware Ranch	83.84	44	eP	P	08 17 12.7 -0.2
HWUT	comp=Z,10nm,0.8s					
CCB	Clear Creek Bu	83.86	12	eP	P	08 17 11.2 -1.0
CCB	comp=Z,10.0nm,0.8s					
PV05	Paradox Valley	83.93	48	eP	P	08 17 15.1 +1.6
PV05	comp=Z,6.7nm,0.8s					
MVCO	Mesa Verde	83.98	49	eP	P	08 17 14.0 +0.2
MVCO	comp=Z,4.8nm,0.9s					
MVCO	Mesa Verde	83.98	49	eP	P	08 17 14.2 +0.5
MVCO	comp=Z,4.8nm,0.9s					
MDM	Murphy Dome	84.05	12	eP	P	08 17 12.0 -1.2
MDM	comp=Z,1.1nm,0.9s					
COLA	College	84.05	12	eP	P	08 17 12.5 -0.6
COLA	comp=Z,1.5nm,0.7s					
COLA	College	84.05	12	eP	P	08 17 12.5 -0.6
COLA	comp=Z,1.5nm,0.7s					
MNTX	Cornudas Mount	84.07	55	eP	P	08 17 14.8 +0.8
MNTX	baz=247,SNR=29					
MNTX	Cornudas Mount	84.07	55	eP	P	08 17 14.8 +0.8
MNTX	comp=Z,24nm,1.1s					
DLBC	Dease Lake	84.08	23	eP	P	08 17 13.7 +0.2
DLBC	comp=Z,6.1nm,1.0s					
PV09	Paradox Valley	84.09	47	eP	P	08 17 15.3 +1.0
PV09	comp=Z,24nm,1.1s					
PV10	Paradox Valley	84.11				

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like W39A Magazine, W39A Magazee, W39A Magazee, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like KBZ Khabaz, KBZ Khabaz, KIV Kislovodsk, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KHC, GEC2, GERES, etc.

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

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

147A	Livingston	20.58 356 eP	P	10 34 43.8 +1.4
242A	Grayson	20.59 346 P	P	10 34 43.2 +0.7
146A	Union	20.61 354 eP	P	10 34 44.0 +1.2
154A	Montrose	20.67 8 P	P	10 34 44.2 +0.8
154A	Montrose	20.67 8 eP	P	10 34 44.2 +0.8
CBYP	Canovanas	20.77 70 eP	P	10 34 44.1 -0.6
155A	Kite	20.78 9 P	P	10 34 45.3 +0.8
LRAL	Lakeview Retre	20.88 359 P	P	10 34 46.3 +0.7
LRAL	Lakeview Retre	20.88 359 eP	P	10 34 46.5 +1.0
NATX	Nacogdoches	21.02 340 P	P	10 34 47.6 +0.5
NATX	Nacogdoches	21.02 340 eP	P	10 34 48.5 +1.5
Z49A	Columbiana	21.03 360 P	P	10 34 47.9 +0.8
Z47A	Carrollton	21.09 356 P	P	10 34 48.6 +0.8
Z50A	Ashland	21.09 1 P	P	10 34 48.7 +0.8
Z50A	Ashland	21.09 1 eP	P	10 34 47.8 -0.1
Z52A	Williamson	21.10 5 P	P	10 34 48.9 +0.9
Z46A	Louisville	21.15 354 P	P	10 34 49.4 +0.9
Z51A	Franklin	21.18 3 P	P	10 34 49.6 +0.8
Z48A	Northport	21.23 357 P	P	10 34 50.0 +0.7
Z53A	Monticello	21.27 7 P	P	10 34 50.5 +0.8
CUPR	Culebra, Puert	21.31 70 eP	P	10 34 50.2 0.0
Z54A	Sparta	21.32 8 P	P	10 34 50.6 +0.4
Z45A	Winona	21.41 352 P	P	10 34 52.0 +0.8
Z45A	Winona	21.41 352 eP	P	10 34 51.9 +0.8
GOGA	Godfrey	21.41 7 P	P	10 34 52.1 +0.9
GOGA	Godfrey	21.41 7 eP	P	10 34 51.3 +0.2
Z44A	Pea Ridge, Bel	21.43 351 P	P	10 34 52.1 +0.8
Y49A	Blount Mountai	21.69 0 P	P	10 34 54.7 +0.7
Y49A	Blount Mountai	21.69 0 eP	P	10 34 54.1 +0.1
Y50A	Piedmont	21.73 2 P	P	10 34 55.1 +0.7
Y48A	Jasper	21.76 358 P	P	10 34 55.4 +0.7
Y51A	Rockman	21.77 3 P	P	10 34 55.5 +0.7
Y47A	UCPARC, Winfie	21.77 357 P	P	10 34 55.4 +0.6
Y52A	Lilburn	21.80 5 P	P	10 34 55.8 +0.7
Y52A	Lilburn	21.80 5 eP	P	10 34 55.5 +0.3
Y46A	Houston	21.83 355 P	P	10 34 56.0 +0.6
Y53A	Monroe	21.84 6 P	P	10 34 56.1 +0.6
Y45A	Yeager Farm, C	21.89 353 P	P	10 34 56.5 +0.6
Z41A	Richard Creek	21.89 346 eP	P	10 34 56.1 +0.1
Y54A	Tignall	21.96 8 P	P	10 34 57.3 +0.6
JCT	Junction City	22.12 328 eP	P	10 34 58.7 +0.4
WHTX	Lake Whitney,	22.28 335 P	P	10 34 59.6 -0.1
WHTX	Lake Whitney,	22.28 335 eP	P	10 34 58.8 -0.9
X48A	Hartselle	22.29 359 P	P	10 35 00.1 +0.4
X48A	Hartselle	22.29 359 eP	P	10 34 59.1 -0.6
CCAR	Cane Creek	22.29 348 eP	P	10 34 59.2 -0.6
X50B	Fort Payne	22.30 2 P	P	10 35 00.2 +0.3
X49A	Woodville	22.34 0 P	P	10 35 00.7 +0.4
X47A	Russelville	22.39 357 P	P	10 35 01.1 +0.4
X45A	UM Field Stati	22.42 354 P	P	10 35 01.1 +0.2
X51A	Calhoun	22.44 3 P	P	10 35 01.6 +0.5
X51A	Calhoun	22.44 3 eP	P	10 35 00.9 -0.3
X46A	Booneville	22.47 355 P	P	10 35 01.7 +0.2
OXF	Oxford	22.51 354 P	P	10 35 01.9 +0.2
OXF	Oxford	22.51 354 eP	P	10 35 00.9 -0.8
X53A	Estanollee	22.51 7 P	P	10 35 02.2 +0.4
X52A	Dalhousga	22.55 5 P	P	10 35 02.3 +0.1
JSC	Jenkinsville	22.61 11 eP	P	10 35 03.4 +0.7
PLAL	Pickwa Lake	22.86 356 eP	P	10 35 05.2 +0.3
W49A	Belvidere	22.95 0 P	P	10 35 06.2 +0.4
W48A	Pulaski	22.97 359 P	P	10 35 06.3 +0.3
W46A	Michie	23.03 356 P	P	10 35 06.9 +0.5
W52A	Murphy	23.03 5 eP	P	10 35 06.5 0.0
BG3	Lake Jocassee	23.04 7 P	P	10 35 07.5 +0.9
SWET	Sewanee	23.05 1 eP	P	10 35 06.9 +0.2
W50A	Signal Mountai	23.05 2 P	P	10 35 07.1 +0.4
W50A	Signal Mountai	23.05 2 eP	P	10 35 06.9 +0.2
X40A	Basin Creek Fa	23.07 346 eP	P	10 35 06.7 -0.1
W47A	Westpoint	23.10 358 P	P	10 35 07.5 +0.4
UALR	University of	23.24 348 eP	P	10 35 07.7 -0.6
MIAR	Mount Ida	23.30 345 P	P	10 35 09.3 +0.3
MIAR	Mount Ida	23.30 345 eP	P	10 35 08.3 -0.6
CPCT	Cooper Cave	23.34 4 eP	P	10 35 09.5 +0.2
X39A	Fountain Ranch	23.41 344 P	P	10 35 10.1 +0.2
KMSC	Kings Mountain	23.43 11 P	P	10 35 10.7 +0.6
KMSC	Kings Mountain	23.43 11 eP	P	10 35 10.8 +0.6
TXAR	Lajitas Aray	23.51 320 P	P	10 35 11.7 +0.7
TX31	Lajitas Ar. Si	23.52 320 eP	P	10 35 11.8 +0.7
V50A	Pikeville	23.53 3 P	P	10 35 11.5 +0.5
V48A	Smith Brothers	23.57 359 P	P	10 35 11.7 +0.4
V48A	Smith Brothers	23.57 359 eP	P	10 35 11.4 0.0
V49A	McMillnville	23.60 1 P	P	10 35 11.8 +0.1
W41B	Gary Mavity, V	23.60 348 P	P	10 35 11.7 0.0
W41B	Gary Mavity, V	23.60 348 eP	P	10 35 10.8 -0.9
TKL	Tuckaleehee C	23.61 5 P	P	10 35 12.4 +0.7

TKL	5.1nm,0.4s,baz=124,slow=5.0,SNR=18	Tuckaleehee C	23.61 5 eP	P	10 35 10.5 -1.2
V47A	9.9nm,1.0s	Nunnely	23.68 358 P	P	10 35 12.5 +0.1
V46A	baz=177,SNR=7.0	Holladay	23.68 357 P	P	10 35 12.7 +0.4
V51A	baz=176	Loudon	23.70 4 P	P	10 35 12.9 +0.3
V53A	baz=185	Saluda	23.72 7 P	P	10 35 13.4 +0.5
V53A	baz=189,SNR=6.7	Saluda	23.72 7 eP	P	10 35 13.3 +0.5
ABTX	9.8nm,0.7s	Ablent, Hawle	23.79 331 eP	P	10 35 13.9 +0.4
W40A	4.3nm,0.7s	Ferguson Farm,	23.80 346 P	P	10 35 13.3 -0.2
W40A	baz=164	Ferguson Farm,	23.80 346 eP	P	10 35 13.1 -0.3
V52A	7.3nm,0.7s	Sevierville	23.81 6 P	P	10 35 14.0 +0.5
V52A	baz=187	Sevierville	23.81 6 eP	P	10 35 13.6 0.0
W39A	baz=162	Magazine	23.98 345 P	P	10 35 15.2 +0.2
W39A	baz=162	Magazine	23.98 345 eP	P	10 35 15.3 +0.2
V41A	22nm,1.7s	Mountainview	24.18 349 P	P	10 35 16.7 -0.2
U47A	baz=166,SNR=5.2	Clarksville	24.28 358 P	P	10 35 17.6 -0.2
U50A	baz=178	Jamesstown	24.28 3 P	P	10 35 18.2 +0.3
U44B	baz=184	Burton Farm, H	24.31 354 P	P	10 35 18.3 +0.3
V40A	baz=173	White Springs	24.33 347 P	P	10 35 18.3 -0.1
V40A	baz=165	Witts Springs	24.33 347 eP	P	10 35 17.6 -0.7
U49A	3.8nm,0.7s	Red Boiling Sp	24.35 1 P	P	10 35 18.5 +0.1
U52A	baz=187	Thorn Hill	24.38 6 P	P	10 35 18.9 +0.2
U53A	baz=187	Fall Branch	24.44 8 P	P	10 35 19.6 +0.3
TZTN	baz=189,SNR=6.8	Tazewell	24.51 6 P	P	10 35 19.7 -0.2
V39A	baz=187	Pettigrew	24.55 346 P	P	10 35 20.4 0.0
U42A	baz=163	Revsden	24.57 351 P	P	10 35 20.2 -0.1
NCAT	baz=169	North Carolina	24.65 13 eP	P	10 35 22.1 +0.9
T47A	9.1nm,1.1s	Sharon Grove	24.82 359 P	P	10 35 22.4 -0.3
T47A	baz=178	Sharon Grove	24.82 359 eP	P	10 35 22.4 -0.3
PBMO	5.8nm,0.6s	Poplar Bluff	24.87 352 eP	P	10 35 23.0 -0.1
U40A	4.9nm,0.7s	Yellville	24.87 348 P	P	10 35 23.0 -0.1
T50A	baz=165	Nancy	24.89 3 P	P	10 35 23.5 +0.2
T51A	baz=184	Gray	24.89 5 P	P	10 35 23.4 +0.1
T46A	baz=186	Princeton	24.90 357 P	P	10 35 23.4 0.0
T49A	baz=177	Edmonton	24.94 2 P	P	10 35 23.8 0.0
T49A	baz=182	Edmonton	24.94 2 eP	P	10 35 23.2 -0.6
U39A	3.9nm,0.8s	Green Forest	25.03 346 P	P	10 35 24.2 -0.5
T52A	baz=164	Hallie	25.12 6 P	P	10 35 25.6 +0.1
T43A	baz=188	Greenville	25.15 353 P	P	10 35 25.4 -0.2
TUL1	baz=171	Leonard	25.20 342 P	P	10 35 25.6 -0.5
TUL1	baz=158	Leonard	25.20 342 eP	P	10 35 25.1 -1.1
T42A	3.9nm,0.6s	Van Buren	25.21 351 P	P	10 35 25.8 -0.4
T42A	baz=169	Van Buren	25.21 351 eP	P	10 35 25.9 -0.2
WMOK	3.4nm,0.7s	Wichita Mounta	25.21 336 P	P	10 35 26.1 -0.2
WMOK	baz=151,SNR=5.6	Wichita Mounta	25.21 336 eP	P	10 35 29.2 +2.9
T41A	3.9nm,0.9s	Mountain View	25.33 350 P	P	10 35 27.3 0.0
S43A	baz=168,SNR=5.2	Fulton Ridge,	25.61 353 P	P	10 35 30.0 +0.2
BLA	baz=172	Blacksburg	25.61 11 P	P	10 35 30.2 +0.4
SIUC	25.66 355 eP	Southern Illin	25.66 355 eP	P	10 35 29.8 -0.4
T38A	7.3nm,0.7s	Diamond	25.85 345 P	P	10 35 31.7 -0.3
S41A	baz=168	Jilco Farms,	25.86 350 P	P	10 35 31.6 -0.5
S42A	baz=168	Caledonia	25.89 352 P	P	10 35 31.8 -0.6
S40A	baz=170	Lebanon	26.00 349 P	P	10 35 33.0 -0.3
WCI	baz=166	Wyandotte Cave	26.05 0 P	P	10 35 33.6 -0.2
WCI	baz=180	Wyandotte Cave	26.05 0 eP	P	10 35 33.5 -0.3
R46A	6.9nm,0.9s	Gibson Southern	26.05 358 P	P	10 35 34.1 +0.3
R47A	baz=178	Woolly Knot Far	26.12 360 P	P	10 35 34.7 +0.3
CCM	26.16 351 P	Cathedral Cave	26.16 351 P	P	10 35 35.5 +0.1
CCM	baz=169	Cathedral Cave	26.24 351 eP	P	10 35 34.4 -1.1
R51A	26.25 5 P	Hillsboro	26.25 5 P	P	10 35 35.9 +0.4
S39A	baz=186	Bolivar	26.25 348 P	P	10 35 35.3 -0.3
S39A	baz=165	Bolivar	26.25 348 eP	P	10 35 34.4 -1.2
R40A	3.7nm,1.0s	Maddies Statio	26.63 350 P	P	10 35 38.8 -0.6
Q47A	baz=167	Bedford North L	26.76 360 P	P	10 35 40.0 -0.1
Q48A	baz=180	North Vernon	26.76 1 P	P	10 35 40.2 +0.2
Q45A	baz=182	Warren Harvey,	26.76 357 P	P	10 35 40.4 +0.3
R39A	baz=176	Chumby, Stover	26.80 348 P	P	10 35 39.8 -0.7
Q44A	baz=166	Meyer Farm, Va	26.82 356 P	P	10 35 40.3 -0.4
R38A	baz=164	Fenwick Farm,	26.86 347 P	P	10 35 40.4 -0.5
Q49A	baz=183	Aurora	26.86 3 P	P	10 35 41.4 +0.4
Q51A	baz=177	Peebles	26.99 5 P	P	10 35 42.7 +0.5
BLO	baz=187,SNR=8.7	Bloomington	26.99 360 eP	P	10 35 41.1 -1.1
Q41A	12nm,1.3s	Truxton	27.12 352 P	P	10 35 43.0 -0.3
P48A	baz=170	Milroy	27.30 2 P	P	10 35 45.0 +0.2
P45A	baz=182	Graceland, Par	27.37 358 P	P	10 35 45.8 +0.2
P45A	baz=177	Graceland, Par	27.37 358 eP	P	10 35 45.0 -0.5
Q39A	8.7nm,0.9s	Willow Grove F	27.49 349 P	P	10 35 46.0 -0.6
O44A	baz=176	Mansfield	28.03 357 P	P	10 35 51.4 0.0
O49A	baz=176	Covington	28.07 3 P	P	10 35 51.8 +0.1
O50A	baz=164	Dawn	28.08 5 P	P	10 35 52.0 +0.2
O48A	baz=183,SNR=6.9	Farmland	28.10 2 P	P	10 35 51.8 -0.1
P38A	baz=183	Dawn	28.16 348 P	P	10 35 52.0 -0.5
SFIN	baz=165	Lafayette	28.20 359 P	P	10 35 52.6 -0.3
SFIN	baz=179	Lafayette	28.20 359 eP	P	10 35 51.9 -1.1
ACSO	5.9nm,0.8s	Alum Creek Sta	28.21 6 P	P	10 35 53.2 +0.1

ACSO	Alum Creek Sta	28.21 6 eP	P	10 35 52.9 -0.1	
HDIL	Hopedale	28.49 355 P	P	10 35 55.6 +0.2	
HDIL	baz=174	Hopedale	28.49 355 eP	P	10 35 55.2 -0.2
N42A	Yates City	28.82 354 P	P	10 35 58.2 -0.2	
N43A	Stutzman Famil	28.86 356 P	P	10 35 58.8 0.0	
N39A	Derby Farms, D	29.19 351 eP	P	10 36 01.0 -0.6	
PAGS	Pennsylvania G	29.32 15 eP	P	10 36 02.8 0.0	
SSPA	Standing Stone	29.43 13 P	P	10 36 04.1 +0.4	
SSPA	Standing Stone	29.43 13 eP	P	10 36 04.2 +0.4	
M54A	Oil Creek Stat	29.42 10 P	P	10 36 08.5 +0.4	
L42A	Oliver, Polo	29.96 355 P	P	10 36 07.8 -0.6	
L42A	baz=174	Oliver, Polo	29.96 355 eP	P	10 36 07.3 -1.0
ALLY	Allegheny Colle	29.98 9 eP	P	10 36 08.7 +0.1	
L43A	Garden Prairie	30.07 357 P	P	10 36 09.1 -0.3	
L40A	Anamosa	30.17 353 eP	P	10 36 09.8 -0.5	
N59A	State Game Lan	30.22 16 P	P	10 36 11.1 +0.4	
N59A	State Game Lan	30.22 16 eP	P	10 36 11.0 +0.2	
ERPA	Erie	30.46 9 P	P	10 36 12.3 -0.5	
ERPA	baz=192	Erie	30.46 9 eP	P	1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G32A Webster, ALFO Alfred, PDAR Pineda Array, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZEA Zeya, Korea Array, H11N2 WAKE ISLAND, etc.

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

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

ISC JB 14 10:36:19.4 1.5, 36.5S, 0.3, 52.4E, 0.13, h10km, mb3.7/4, MS3.4/5, Error ellipse: s-maj=49.5km s-min=20.3km az=136.0

ISC 14 10:36:19.8 1.5, 36.48S, 52.47E, h0km, mb3.9/4, Mb1 4.1/5, mb1mx3.6/60, mbtmp3.9/5, ML3.8/1, MS3.4/5, Ms1 3.4/5, ms1mx2.9/53, Error ellipse: s-maj=60.7km s-min=27.0km az=32.0

ISC 14 10:36:21.2 1.7, 36.5S, 0.3, 52.5E, 0.13, h10km, n14, c0707, mb4.0/4, MS3.5/5, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OPO Ambohidratampo, BOS Boshof, KMBO Kilima Mbogo, etc.

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

JMA 14 11:45:03.7 0.2, 38.25N, 144.36E, h49km, M3.5, Off east coast of Honshu

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

ISC 14 10:39:44.1 3.2, 7.51S, 128.57E, h109km, 4.3km, mb3.1/2, mb1 3.3/6, mb1mx3.1/51, mbtmp3.5/6, Error ellipse: s-maj=71.1km s-min=22.7km az=92.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SIJI Sorong, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NEM2 Nemuro 2, GLVR Golovnino, GLVR Golovnino, etc.

TIR 14 12:02:02.1 41.94N, 20.34E, h4km, Md2.5/3

CSEM 14 12:02:09.8 0.4, 41.94N, 20.40E, h5km, ML1.7, Error ellipse: s-maj=8.8km s-min=8.0km az=69.0, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PPH Peshkopia, PRZK Prizren, PUK Puka, etc.

DJA 14 10:58:29.6 3.2, 3.4S, 12.3E, h21km, 3.4km, M3.6/9, ML3.6/9, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KDI Kendari, LUWI Luwuk, APSI Ampang, etc.

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

ISC 14 12:06:6.1 3.9, 86N, 126.31E, h0km, mb4.0/9, mb1 4.1/9, mb1mx3.7/59, mbtmp4.0/9, MS2.7/1, Ms1 2.7/1, ms1 1.7/3, Error ellipse: s-maj=119.6km s-min=16.5km az=71.0

MAN 14 12:09:3.9, 84N, 126.48E, h7km, mb4.6, ML3.4, MS3.3

ISC 14 12:08:4.1 6.9, 94N, 0.3, 126.50E, 0.06, h11km, 1.0km, n31, c15637, mb4.0/9, CD-22, Mindanao

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

NIED 14 11:17:00.45, 60N, 151.60E, h14km, Mw3.8 Best double couple: Ms5.11000, 1014 NP1:239.00000, 38.00000, 1.20, 00000, NP2:23.00000, 85.00000, 1.69, 00000

JMA 14 11:17:53.0 6.0, 45.55N, 151.58E, h30km, M4.2 SKHL 14 11:17:53.0 6.0, 45.02N, 151.73E, h46km, 3km, mb4.6/4

MOS 14 11:17:53.2 0.8, 45.48N, 151.49E, h51km, mb4.25, Error

USRK Jassurysk Arr 14.06 273 LR 11 26 59.7

KLR Kul'dur 14.19 294 LR 11 26 28.0

MA2 Magadan 14.54 358 LR 11 26 24.8

FITZ Fitzroy Crossi 27.88 182 P 11 27 57.8 -0.5

WRA Warramunga Arr 30.68 165 P 11 28 22.4 -0.9

BUR08	Bucovina Ar. S	94.33 318	eP	P	12 27 35.2	+0.1
CRVS	Cervenica-Dubn	96.48 320	eP	P	12 27 44.1	-0.6
CRVS	Cervenica-Dubn	96.48 320	eP	P	12 27 44.0	-0.6
HFS	Hagfors	97.19 332	eP	P	12 27 46.4	-1.3
NOA	NORSAR Array B	97.95 334	LR	LR	13 15 24.2	
comp-Z, 9.5nm, 20.3s, baz=75, slow=37						
VYHS	Vyhne	98.26 320	eP	P	12 27 51.6	-1.1
VYHS	Vyhne	98.26 320	ePDIFF	P	12 27 51.6	-1.1
GERES	GERESS Array B	101.37 322	P	Pdf	12 28 06.8	0.0
comp-Z, 4.4nm, 0.2s, baz=28, slow=4.4, SNR=4.1						
TORD	Tordi Ar. Bm	122.70 289	PKP	PKPdf	12 33 10.7	-1.1
comp-Z, 0.6nm, 0.6s, baz=22, slow=3.3						

GUC 14 12:42:18.8, 0.4, 36:12x72.02W, h135km, 2C, ML3.8, 2C,

Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
CCHI	Chillan	4.48	185	iP	Op	12 42 38.1	-0.2
CCHI					Pn	12 42 52.4	-0.7
CCHI					Sn	12 42 52.4	-0.7
GO05	Hualaeø	1.11	41	iP	Op	12 43 03.3	-0.2
GO05					Sn	12 43 03.3	-0.2
GO05					ISC	12 43 01.9	
comp=E, 4µm, 0.3s							
NICH	Los Niches	1.29	30	iP	Op	12 43 39.6	-5.4
NICH					Pn	12 42 55.3	-10
CLCH	Cerro Calan	2.98	25	iP	Op	12 43 41.0	-0.4
CLCH					Sn	12 43 41.0	-0.4
CLCH					ISC	12 43 54.9	
comp=E, 213nm, 0.7s							
FCH	Fareliones	3.13	28	eP	Pn	12 43 08.2	+0.5
FCH					Sn	12 43 06.1	+0.7
FCH					ISC	12 43 50.2	
comp=N, 112nm, 0.2s							
PEL	Peidehue	3.17	21	eP	Pn	12 43 07.7	-0.1
PEL					Sn	12 43 45.7	0.0
PEL					ISC	12 43 51.5	
comp=E, 141nm, 0.6s							
ROCH	El Roble	3.25	15	IAML		12 43 53.5	
comp=E, 133nm, 0.6s							

TIR 14 12:44:44.0, 42:09N, 20:41E, h2km, Md2.7,

CSEM 14 12:44:55.7, 0.3, 42:10N, 20:40E, h5km, ML2.7, Error

ellipse: s-maj=7.4km s-min=6.6km az=42.0,

Northwestern Balkan Peninsula

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
PRZK	Prizren	0.29	68	p	Op	12 45 02.2	+0.8
PRZK					Sg	12 45 05.4	+0.2
BCI	Bajram Curri	0.36	318	iP	Pg	12 45 02.3	-0.4
BCI					Sg	12 45 08.7	+1.3
BCI	Bajram Curri	0.36	318	iP	Pg	12 45 02.3	-0.4
BCI					Sg	12 45 08.7	+1.3
PUK	Puka	0.38	261	iP	Pg	12 45 03.6	+0.6
PUK					Sg	12 45 16.1	+4.9
PUK	Puka	0.38	261	iP	Pg	12 45 03.6	+0.6
PUK					Sb	12 45 16.1	+4.9
ASO1	Peshkopia	0.42	175	iP	Pg	12 44 58.5	-5.3
PHP					Sg	12 45 08.1	-1.1
PHP	Peshkopia	0.42	175	iP	Pg	12 44 58.5	-5.2
PHP					Sg	12 45 08.1	-1.1
PEJK	Peje	0.55	351	S	Pg	12 45 05.9	-0.4
PEJK					Sg	12 45 09.3	-0.4
BEY	Berane	0.85	334	P	Sg	12 45 11.9	-0.2

BJI 14 12:46:34.8, 2:58N, 128:73E, h62km, mb4.7/44, mB4.9/26,

Msd4.2/13, Mst7.4/0.13

MOS 14 12:46:36.0, 0.9, 2:07N, 128:47E, h45km, mb5.0/9, Error

ellipse: s-maj=14.0km s-min=7.3km az=10.0,

ISCJB 14 12:46:37.0, 0.5, 2:93N, 102:128, 45E, 0.03, h51km, 5km,

mb4.7/67, MS3.7/26, Error ellipse: s-maj=5.8km

s-min=3.5km az=164.0

DJA 14 12:46:38.1, 0.7, 3°N, 7°12'E, h10km, M4.7/21,

mb5.0/21, mb5.1/10, MLV4.1/11, Mw(mB)4.5/10

NEIC 14 12:46:39.2, 0.6, 2:87N, 128:42E, h60km, 6km, mb4.8/30,

Error ellipse: s-maj=6.0km s-min=3.6km az=80.0

IDC 14 12:46:39.0, 1.3, 2:89N, 128:42E, h55km, 11km, mb4.3/20,

mb1.4/22, mb1mx4.1/57, Mtg6.6/22, MS3.6/25,

M1 3.6/25, ms1mx3.4/57, Error ellipse: s-maj=18.5km

s-min=7.3km az=69.0

ISC 14 12:46:39.7, 0.8, 2:87N, 128:44E, 0.06, h60km, 7km,

mB3.1, mS2/184, mb4.7/67, MS3.7/26, 1C-2D, Halmahera

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
TNTI	Ternate	2.35	207	P	Pn	12 47 14.3	-1.6
TNTI	Ternate	2.35	207	ePn	Pn	12 47 14.4	-1.5
LBMI	Labuina	3.61	195	P	Pn	12 47 13.2	-0.2
MATI	Mati	4.59	337	eP	Pn	12 47 46.9	+0.3
MATI					Sn	12 48 44.7	+6.0
SWI	Sorong	4.66	143	P	Pn	12 47 49.2	+1.5
SJIJ	Sorong	4.67	143	P	Pn	12 47 49.1	+1.3
comp-Z, 0.3s, baz=332, slow=13, SNR=112							
SJIJ					Sn	12 48 41.0	+0.3
16nm, 0.3s, baz=192, slow=20, SNR=4.4							
comp-Z, 564nm, 21.2s, baz=36, slow=39							
KMSI	Davao City (W)	5.05	326	P	Pn	12 47 53.0	+0.7
DAV	Davao City (W)	5.05	326	P	Pn	12 47 53.1	+0.2
30nm, 0.3s, baz=233, slow=20, SNR=1.9							
DAV					Sn	12 48 50.0	+0.1
72nm, 0.3s, baz=177, slow=17, SNR=4.0							
SKMP	Bagumbayan, Su	5.31	313	eP	Pn	12 47 55.2	-1.3
SKMP					Sn	12 48 54.0	-2.3
SANI	Sanana	5.47	207	P	Pn	12 47 58.4	-0.3
BUKP	Musuan	6.00	326	eP	Pn	12 48 05.7	-0.3
BUKP					Sn	12 48 18.5	+5.1
CTBH	Cotabato-PC H	6.00	316	iP	S	12 48 05.9	-0.8
CTBH					Sn	12 48 55.4	-1.8
BUTP	Butuan	6.67	335	eP	Pn	12 48 14.6	-0.5
BUTP					Sn	12 49 33.7	+3.8
CGP	Cagayan de Oro	6.68	326	eP	Pn	12 48 20.4	+5.2
LWUI	Luwuk	6.87	236	eP	Pn	12 48 17.6	-0.9
LWUI					Pn	12 47 17.7	+0.6
FAKI	Fak Fak	6.90	146	P	Pn	12 48 19.7	+1.3
FAKI	Fak Fak	6.90	146	ePn	Pn	12 48 18.7	+0.3
MRSI	Marisa	6.91	250	P	Pn	12 48 17.3	-1.2
PAGZ	Pagadian	7.05	315	eP	Pn	12 48 16.2	-4.2
PAGZ					Sn	12 49 38.2	-0.9
RKPI	Ransiki, Papua	7.21	127	P	Pn	12 48 29.5	+7.0
APSI	Ampana	7.76	241	P	Pn	12 48 28.0	-2.0
MSP-L	Maasin	8.04	334	eP	Pn	12 48 32.7	-1.2
MSP-L					Sn	12 50 02.4	-1.0
BAKI	Biak	8.67	118	P	Pn	12 48 52.8	-1.0
MPSI	Mapaga	8.90	234	P	Pn	12 48 45.9	+0.2
KDI	Kendari	8.94	221	P	Pn	12 48 44.8	-1.4
MYLDM	Lahad Datu	10.17	283	ePn	Pn	12 49 03.5	+0.4
TTSI	Tana Toraja	10.43	236	P	Pn	12 49 05.9	-0.7
BPSI	Sidrap Palu	11.01	323	P	Pn	12 49 14.2	-0.3
KBSI	Bulukumba	11.63	226	P	Pn	12 49 24.3	+1.1
GENI	Gennyem	12.93	115	P	Pn	12 49 16.7	-0.2
SOEI	Soe	13.22	198	P	Pn	12 49 53.9	+1.1
SOEI	Soe	13.22	198	ePn	Pn	12 49 43.2	-1.6
EDFI	Ende, Flores	13.36	210	P	Pn	12 49 47.0	+0.2
JAY	Jayapura	13.38	113	LR	LR	12 54 18.3	
comp-Z, 169nm, 18.1s, baz=112, slow=34							
TGY	Tagaytay City	13.39	327	LR	LR	12 55 53.3	
comp-Z, 217nm, 21.7s, baz=150, slow=42							
BATI	Baunata	13.84	200	P	Pn	12 49 55.1	+2.0
2.2nm, 0.3s, baz=338, slow=5.4, SNR=3.8							
BATI					LR	12 56 18.7	
comp-Z, 194nm, 20.5s, baz=16, slow=42							
MTKI	Muara Teweih, K	14.06	255	P	Pn	12 49 54.7	-1.3
PLAI	Plampang	15.75	222	P	Pn	12 50 20.9	+0.1
MTN	Manton Dam	15.84	170	ePn	Pn	12 50 17.2	-1.9
22nm, 0.8s							
SBUM	Sibu	16.20	269	ePn	Pn	12 50 22.9	-0.8
TSWI	Taliwang, Sumb	16.30	225	P	Pn	12 50 26.7	-0.2
JAGI	Jajag, Banyuw	18.16	232	P	Pn	12 50 50.3	+2.4
JAGI	Jajag, Banyuw	18.16	232	eP	Pn	12 50 46.7	-0.9
74nm, 0.8s							
KSM	Kuching	18.17	266	eP	Pn	12 50 47.0	-0.6
17nm, 0.9s							
GUMJ	Gumukmas	18.61	233	P	Pn	12 50 54.9	+1.7
GUMJ	Guam	19.42	56	LR	LR	12 57 20.6	
comp-Z, 280nm, 21.4s, baz=236, slow=33							

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
GUMO	Guam	19.42	56	eP	P	12 51 00.5	-0.8
78nm, 1.2s							
GUMO	Guam	19.42	56	eP	Pmax	12 51 00.5	-0.8
GUMO					Pmax		
NGJI	Ngawi	19.76	239	P	Pn	12 51 13.1	+6.1
PWJI	Pagerwojo	19.81	237	P	Pn	12 51 09.8	+2.2
comp-Z, 85nm, 1.0s							
PCJI	Pacific	20.43	237	P	Pn	12 51 13.9	-0.9
UJGM	Wanagama	20.84	239	P	Pn	12 51 19.4	+0.3
FITZ	Fitzroy Crossi	21.02	187	P	Pn	12 51 16.9	-1.7
comp-Z, 4.4nm, 0.4s, baz=5.2, slow=8.9, SNR=28							
TWG	Pinlang	21.07	341	eP	P	12 51 15.2	-3.9
comp-Z, 75nm, 0.9s							
YULB		21.54	342	eP	P	12 51 24.1	-0.1
comp-Z, 9.8nm, 0.2s							
TPUB	Ta-pu	21.67	340	eP	P	12 51 22.8	-2.8
KPJI	Karang Pucong	21.95	242	P	Pn	12 51 30.8	+2.2
SSLB	Suanglung	22.01	341	eP	P	12 51 30.1	+0.8
comp-Z, 18nm, 0.8s							
NACB	Ninganchiao	22.18	343	eP	P	12 51 30.2	-0.8
PMG	Port Moresby	22.29	123	LR	LR	13 01 20.3	
comp-Z, 21nm, 0.9s							
YHNB	Yeheng	22.71	340	eP	P	12 51 35.9	-0.9
comp-Z, 114nm, 18.8s, baz=330, slow=40							
LEM	Lembang	22.91	245	P	Pn	12 51 38.8	-0.2
comp-Z, 54nm, 1.1s							
CISI	Cisompet, Garu	23.04	243	eP	P	12 51 38.0	-2.2
comp-Z, 30nm, 0.7s							
WRAB	Tennant Creek	23.40	166	eP	P	12 51 43.1	-0.4
WRAB	Tennant Creek	23.40	166	eP	P	12 51 43.1	-0.4
WRA	Warramunga Arr	23.40	166				

14d 12h

Table with columns: Code, Station Name, Az, El, P, S, M, L, R, Time, Res. Includes stations like Vitosha, Zavoji, Barje, Stip, Plovdiv, Zajecar, Valandovo, Skopje, etc.

Table with columns: Code, Station Name, Az, El, P, S, M, L, R, Time, Res. Includes stations like Vitosha, Zavoji, Barje, Stip, Plovdiv, Zajecar, Valandovo, Skopje, etc.

2012 JUL

Table with columns: HORT, Hortiatis, 2.02 180, P, S, M, L, R, Time, Res. Includes stations like HORT, Hortiatis, etc.

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Table with columns: SMTH, Podgorica, 2.84 267, P, S, M, L, R, Time, Res. Includes stations like SMTH, Podgorica, etc.

EVY	Evrytania	3.83 195	P	Pn	12 53 06.4 +0.1	IAS lasi	5.57 33	U/P	Pn	12 53 31.0 +0.9	SIM	comp=E,20nm,1.0s	smax	smax
SKY	Skios Island	3.90 163	P	Pn	12 53 08.1 +0.8	IAD lasi	5.57 33	P	Pn	12 53 31.0 +0.9	SIM	comp=E,20nm,1.0s	smax	smax
SKY	Skios Island	3.90 163	P	Pn	12 53 07.8 +0.5	BUD Budapest	5.65 331	ePn	Pn	12 53 30.8 -0.4	SIM	comp=N,45nm,1.0s	MLR	MLR
GRER		3.93 44	U/P	Pn	12 53 10.9 +3.2	BUD Budapest	5.65 331	eS	Pn	12 53 36.5 +0.5	SIM	comp=N,45nm,1.0s	MLR	MLR
GRER		3.93 44	U/P	Pn	12 53 10.9 +3.2	SMG Samos	5.69 148	P	Pn	12 53 32.3 +0.5	SIM	comp=N,260nm,16.0s	eS	Pn
LKR	Lokris	3.97 174	P	Pn	12 53 07.6 -0.6	PSZ Piszkesteto	5.75 338	U/P	Pn	12 53 32.6 -0.2	SIM	comp=Z,42nm,0.9s	eS	Pn
LKR	Lokris	3.97 181	P	Pn	12 53 07.6 -0.6	PSZ Piszkesteto	5.75 338	ePn	Pn	12 53 32.6 -0.2	SIM	comp=Z,600nm,16.0s	eS	Pn
STON	Ston	3.97 275	ePn	Sn	12 53 09.0 +0.8	PSZ Piszkesteto	5.75 338	ePn	Pn	12 53 36.7 -2.1	ALU Alushta	8.46 72	eP	Pn
STON	Ston	3.97 275	ePn	Sn	12 53 09.0 +0.8	PSZ Piszkesteto	5.75 338	ePn	Pn	12 53 36.7 -2.1	ALU Alushta	8.46 72	eP	Pn
CVDA	Cernavoda	3.99 63	U/P	Pn	12 53 10.7 +2.3	PSZ Piszkesteto	5.75 338	U/P	Pn	12 53 32.6 -0.2	ALU Alushta	8.46 72	eS	Pn
CVDA	Cernavoda	3.99 63	U/P	Pn	12 53 10.7 +2.3	PSZ Piszkesteto	5.75 338	U/P	Pn	12 53 32.6 -0.2	ALU Alushta	8.46 72	eS	Pn
SIGR	SIGRI	4.00 147	P	Pn	12 53 05.8 -2.8	PSZ Piszkesteto	5.75 338	P	Pn	12 53 32.6 -0.2	ALU Alushta	8.46 72	eS	Pn
SIGR	SIGRI	4.00 147	P	Pn	12 53 07.6 -1.1	PYL PYLOS	5.81 191	P	Pn	12 53 34.8 +1.3	ALU Alushta	8.46 72	eS	Pn
SIGR	SIGRI	4.00 147	P	Pn	12 53 07.6 -1.1	PYL PYLOS	5.81 191	P	Pn	12 53 34.8 +1.3	ALU Alushta	8.46 72	eS	Pn
HARR	Harsova	4.08 58	U/P	Pn	12 53 11.2 +1.5	CSKK Cs'kako	5.84 326	eS	Pn	12 54 36.7 -4.2	ALU Alushta	8.46 72	eP	Pn
HARR	Harsova	4.08 58	U/P	Pn	12 53 11.2 +1.5	APE Apeiranthos	5.86 160	U/P	Pn	12 53 34.2 0.0	ALU Alushta	8.46 72	eP	Pn
HARR	Harsova	4.08 58	U/P	Pn	12 53 11.2 +1.5	APE Apeiranthos	5.86 160	U/P	Pn	12 53 34.2 0.0	ALU Alushta	8.46 72	eP	Pn
TLB	Topalu	4.10 60	U/P	Pn	12 53 11.4 +1.4	MANT Manisa	5.87 133	ePn	Pn	12 53 36.9 +2.5	ALU Alushta	8.46 72	eP	Pn
TLB	Topalu	4.10 60	U/P	Pn	12 53 11.4 +1.4	MANT Manisa	5.87 133	ePn	Pn	12 53 36.9 +2.5	ALU Alushta	8.46 72	eP	Pn
TLB	Topalu	4.10 60	U/P	Pn	12 53 11.4 +1.4	MANT Manisa	5.87 133	ePn	Pn	12 53 36.9 +2.5	ALU Alushta	8.46 72	eP	Pn
CJR	Cluj-Napoca	4.11 5	U/P	Pn	12 53 10.5 +0.4	DYR Agios Nikonas	5.88 186	P	Pn	12 53 36.9 +2.5	BR131 Keskin Array S	8.47 106	ePn	Pn
CJR	Cluj-Napoca	4.11 5	U/P	Pn	12 53 10.5 +0.4	DYR Agios Nikonas	5.88 186	P	Pn	12 53 36.9 +2.5	BR131 Keskin Array S	8.47 106	ePn	Pn
CJR	Cluj-Napoca	4.11 5	U/P	Pn	12 53 10.5 +0.4	DYR Agios Nikonas	5.88 186	P	Pn	12 53 36.9 +2.5	BR131 Keskin Array S	8.47 106	ePn	Pn
PLOR	Plostina	4.12 37	U/P	Pn	12 53 12.6 +2.3	VLI Veliai	5.90 181	P	Pn	12 53 34.0 -0.7	BR131 Keskin Array B	8.47 106	ePn	Pn
PLOR	Plostina	4.12 37	U/P	Pn	12 53 12.6 +2.3	VLI Veliai	5.90 181	P	Pn	12 53 34.0 -0.7	BR131 Keskin Array B	8.47 106	ePn	Pn
PLOR	Plostina	4.12 37	U/P	Pn	12 53 12.6 +2.3	VLI Veliai	5.90 181	P	Pn	12 53 34.0 -0.7	BR131 Keskin Array B	8.47 106	ePn	Pn
PLOR	Plostina	4.12 37	U/P	Pn	12 53 12.6 +2.3	VLI Veliai	5.90 181	P	Pn	12 53 34.0 -0.7	BR131 Keskin Array B	8.47 106	ePn	Pn
ANX	Ano Chora	4.12 193	P	Pn	12 53 10.8 +0.4	TIP Timpagrade	5.90 236	U/P	Pn	12 53 34.0 -0.7	ABTA Abfattersbach	8.59 302	i Pn	Pn
ANX	Ano Chora	4.12 193	P	Pn	12 53 10.8 +0.4	TIP Timpagrade	5.90 236	U/P	Pn	12 53 34.0 -0.7	ABTA Abfattersbach	8.59 302	i Pn	Pn
PRK	Paraskevi	4.15 143	P	Pn	12 53 11.9 +1.3	TIP Timpagrade	5.90 236	U/P	Pn	12 53 34.0 -0.7	ABTA Abfattersbach	8.59 302	i Pn	Pn
PRK	Paraskevi	4.15 143	P	Pn	12 53 11.9 +1.3	TIP Timpagrade	5.90 236	U/P	Pn	12 53 34.0 -0.7	ABTA Abfattersbach	8.59 302	i Pn	Pn
PRK	Paraskevi	4.15 143	P	Pn	12 53 11.9 +1.3	TIP Timpagrade	5.90 236	U/P	Pn	12 53 34.0 -0.7	ABTA Abfattersbach	8.59 302	i Pn	Pn
VRI	Vrincioia	4.17 138	U/P	Pn	12 53 13.3 +2.4	BEHE Becsehely	5.92 313	ePn	Pn	12 53 35.4 +0.4	SUDU Sudak	8.92 71	eS	Pn
VRI	Vrincioia	4.17 138	U/P	Pn	12 53 13.3 +2.4	BEHE Becsehely	5.92 313	ePn	Pn	12 53 35.4 +0.4	SUDU Sudak	8.92 71	eS	Pn
VRI	Vrincioia	4.17 138	U/P	Pn	12 53 13.3 +2.4	BEHE Becsehely	5.92 313	ePn	Pn	12 53 35.4 +0.4	SUDU Sudak	8.92 71	eS	Pn
VRI	Vrincioia	4.17 138	U/P	Pn	12 53 13.3 +2.4	BEHE Becsehely	5.92 313	ePn	Pn	12 53 35.4 +0.4	SUDU Sudak	8.92 71	eS	Pn
PVO	Paravola	4.17 197	P	Pn	12 53 12.2 +1.2	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
PVO	Paravola	4.17 197	P	Pn	12 53 12.2 +1.2	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
PVO	Paravola	4.17 197	P	Pn	12 53 12.2 +1.2	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
DRGR		4.18 356	U/P	Pn	12 53 10.8 -0.3	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
DRGR		4.18 356	U/P	Pn	12 53 10.8 -0.3	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
DRGR		4.18 356	U/P	Pn	12 53 10.8 -0.3	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
DRGR		4.18 356	U/P	Pn	12 53 10.8 -0.3	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
DRGR		4.18 356	U/P	Pn	12 53 10.8 -0.3	KIS Kishinev	5.98 41	eP	Pn	12 53 38.0 +2.2	SUDU Sudak	8.92 71	eP	Pn
DOB	Doboj	4.19 302	ePn	Pn	12 53 09.8 -1.3	UZH Uzhgorod	6.03 355	eP	Pn	12 53 37.7 +1.2	DPC Dobruska-Polom	9.02 331	ePn	Pn
DOB	Doboj	4.19 302	ePn	Pn	12 53 09.8 -1.3	UZH Uzhgorod	6.03 355	eP	Pn	12 53 37.7 +1.2	DPC Dobruska-Polom	9.02 331	ePn	Pn
MANR	Mangalia	4.20 72	U/P	Pn	12 53 12.7 +1.4	CUC Castrocuco	6.07 247	ePn	Pn	12 53 37.6 +0.5	DPC Dobruska-Polom	9.02 331	ePn	Pn
MANR	Mangalia	4.20 72	U/P	Pn	12 53 12.7 +1.4	CUC Castrocuco	6.07 247	ePn	Pn	12 53 37.6 +0.5	DPC Dobruska-Polom	9.02 331	ePn	Pn
MANR	Mangalia	4.20 72	U/P	Pn	12 53 12.7 +1.4	CUC Castrocuco	6.07 247	ePn	Pn	12 53 37.6 +0.5	DPC Dobruska-Polom	9.02 331	ePn	Pn
MANR	Mangalia	4.20 72	U/P	Pn	12 53 12.7 +1.4	CUC Castrocuco	6.07 247	ePn	Pn	12 53 37.6 +0.5	DPC Dobruska-Polom	9.02 331	ePn	Pn
MANR	Mangalia	4.20 72	U/P	Pn	12 53 12.7 +1.4	CUC Castrocuco	6.07 247	ePn	Pn	12 53 37.6 +0.5	DPC Dobruska-Polom	9.02 331	ePn	Pn
DSF	Desfina	4.23 186	P	Pn	12 53 11.8 +0.7	NVLJ Novajia	6.27 291	ePn	Pn	12 53 40.1 +3.0	GEAO GERESS Array S	9.03 317	ePn	Pn
DSF	Desfina	4.23 186	P	Pn	12 53 11.8 +0.7	NVLJ Novajia	6.27 291	ePn	Pn	12 53 40.1 +3.0	GEAO GERESS Array S	9.03 317	ePn	Pn
DSF	Desfina	4.23 186	P	Pn	12 53 11.8 +0.7	NVLJ Novajia	6.27 291	ePn	Pn	12 53 40.1 +3.0	GEAO GERESS Array S	9.03 317	ePn	Pn
DSF	Desfina	4.23 186	P	Pn	12 53 11.8 +0.7	NVLJ Novajia	6.27 291	ePn	Pn	12 53 40.1 +3.0	GEAO GERESS Array S	9.03 317	ePn	Pn
DSF	Desfina	4.23 186	P	Pn	12 53 11.8 +0.7	NVLJ Novajia	6.27 291	ePn	Pn	12 53 40.1 +3.0	GEAO GERESS Array S	9.03 317	ePn	Pn
LKD2	Lefkada island	4.25 207	P	Pn	12 53 14.3 +1.9	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GEAO GERESS Array B	9.04 317	ePn	Pn
LKD2	Lefkada island	4.25 207	P	Pn	12 53 14.3 +1.9	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GEAO GERESS Array B	9.04 317	ePn	Pn
LKD2	Lefkada island	4.25 207	P	Pn	12 53 14.3 +1.9	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GEAO GERESS Array B	9.04 317	ePn	Pn
LKD2	Lefkada island	4.25 207	P	Pn	12 53 14.3 +1.9	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GEAO GERESS Array B	9.04 317	ePn	Pn
LKD2	Lefkada island	4.25 207	P	Pn	12 53 14.3 +1.9	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GEAO GERESS Array B	9.04 317	ePn	Pn
PDO	Prodromos	4.27 200	P	Pn	12 53 12.5 0.0	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GERES	comp=Z,0.2nm,0.3s,baz=133,slow=14,SNR=8.1	Sn	Pn
PDO	Prodromos	4.27 200	P	Pn	12 53 12.5 0.0	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GERES	comp=Z,0.2nm,0.3s,baz=133,slow=14,SNR=8.1	Sn	Pn
PDO	Prodromos	4.27 200	P	Pn	12 53 12.5 0.0	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GERES	comp=Z,0.2nm,0.3s,baz=133,slow=14,SNR=8.1	Sn	Pn
PDO	Prodromos	4.27 200	P	Pn	12 53 12.5 0.0	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GERES	comp=Z,0.2nm,0.3s,baz=133,slow=14,SNR=8.1	Sn	Pn
PDO	Prodromos	4.27 200	P	Pn	12 53 12.5 0.0	CRVS Cervencia-Dubn	6.38 350	ePn	Pn	12 53 44.3 +3.0	GERES	comp=Z,0.2nm,0.3s,baz=133,slow=14,SNR=8.1	Sn	Pn
SERG	Sergoula	4.28 191	P	Pn	12 53 13.6 +1.1	YVHS Vyhne	6.58 335	ePn	Pn	12 53 44.2 +0.1	CLTB Caltabellotta	9.08 240	ePn	Pn
SERG	Sergoula	4.28 191	P	Pn	12 53 13.6 +1.1	YVHS Vyhne	6.58 335	ePn	Pn	12 53 44.2 +0.1	CLTB Caltabellotta	9.08 240	ePn	Pn
SERG	Sergoula	4.28 191	P	Pn	12 53 13.6 +1.1	YVHS Vyhne	6.58 335	ePn	Pn	12 53 44.2 +0.1	CLTB Caltabellotta	9.08 240	ePn	Pn
SERG	Sergoula	4.28 191	P	Pn	12 53 13.6 +1.1	YVHS Vyhne	6.58 335	ePn	Pn	12 53 44.2 +0.1	CLTB Caltabellotta	9.08 240	ePn	Pn
SERG	Sergoula	4.28 191	P	Pn	12 53 13.6 +1.1	YVHS Vyhne	6.58 335	ePn	Pn	12 53 44.2 +0.1	CLTB Caltabellotta	9.08 240	ePn	Pn
TIRR	Tirgusor	4.29 63	ePn	Pn	12 53 12.7 +0.2	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	Pn
TIRR	Tirgusor	4.29 63	ePn	Pn	12 53 12.7 +0.2	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	Pn
TIRR	Tirgusor	4.29 63	ePn	Pn	12 53 12.7 +0.2	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	Pn
TIRR	Tirgusor	4.29 63	ePn	Pn	12 53 12.7 +0.2	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	Pn
TIRR	Tirgusor	4.29 63	ePn	Pn	12 53 12.7 +0.2	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	Pn
EFP	Efpalio	4.29 192	P	Pn	12 53 14.3 +1.9	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	Pn
EFP	Efpalio	4.29 192	P	Pn	12 53 14.3 +1.9	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	Pn
EFP	Efpalio	4.29 192	P	Pn	12 53 14.3 +1.9	SORM Soroca	6.64 32	U/P	Pn	12 53 45.2 +0.3	KIEV Kiev	9.10 25	ePn	

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like KONO, NC602, NA001, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NEM2, JRA, JND, etc.

Gl 14 13:08:25.1-0.4, 37.66N-36.73E, h10km, MD3.3/2
ISN 14 13:08:25.0-1.5, 35.05N-36.86E, h0km, 35km, ML3.9

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

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

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

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

ISN 14 13:08:54.4-1.1, 71.44N-0.05E, 9.24W-0.10, h10km, n20,
c259/28, 4C, Jan Mayen Island region

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

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

Table with columns for station call signs, frequencies, and other identifiers. Includes stations like DAVOX, TXAR, MNTX, JCT, MSTX, BOZ, PDAR, SDCO, ESDC, T25A, ABTX, ISCO, PLMAT, PVAQ, PBDV, WHTX, K22A, MORF, MESJ, MESJ, PESTR, EVO, PMRV, KSCO, WMOK, PCBR, PMTG, YKA, YKA, MTE, MTE, ALMR, ALMR, MVO, MVO, MVO, PBRG, NATX, PVIS, PVRL, POLO, 341A, RASD, RGVV, CBKS, 342A, 140A, 140A, TUL1, X39A, 344A, 440A, EKA, DGMT, 244A, 141A, 143A, W39A, KSU1, W40A, V39A, BGNE, 145A, T38A, W19A, U31A, V40A, 146A, U40A, T39A, S38A, V41A, SUSD, W42A, R38A, Q37A, S39A, Y45A, U41A, V42A, 249A, P37A, 140A, X45A, Q38A, R39A, MDND.

Table with columns for station call signs, frequencies, and other identifiers. Includes stations like OXF, U42A, T41A, H32A, 250A, 149A, ECSD, P38A, Z48A, G32A, S41A, Q39A, R40A, LRLAL, T42A, W46A, W45A, Y47A, 251A, 150B, P39A, Z49A, 353A, Q40A, R41A, CCM, 252A, S42A, 151A, Z50A, P40A, X48A, S43A, Q41A, M38A, W47A, V46A, J36A, K37A, X49A, W48A, P41A, V47A, S44A, Z52A, J37A, M39A, W49A, O41A, V48A, P42A, T46A, I37A, 155A, V49A, R45A, V50A, Q45A.

Table with columns for station call signs, frequencies, and other identifiers. Includes stations like RAWIR, KMRZ, UTU, MUGZ, TKGZ, Te Karaka, HSRZ, HRRZ, PRRZ, GRRZ, ALRZ, ALRZ, CNRZ, CNRZ, RIGZ, RIGZ, SNRZ, SNRZ, WPRZ, WPRZ, TOZ, KUZ, KUZ, MTHZ, RAHZ, RAHZ, KUTZ, KUTZ, PRGZ, PRGZ, TLZ, TLZ, TLZ, TLZ, KNZ, KNZ, WHZ, WHZ, MKAZ, MKAZ, NMHZ, NMHZ, WATZ, WATZ, MHGZ, MHGZ, BKZ, BKZ, RATZ, RATZ, ARHZ, ARHZ, ARHZ, ARHZ, GRZ, GRZ, RITZ, RITZ, KBZ, KBZ, ETAZ, ETAZ, KATZ, KATZ, KATZ, KATZ, MCHZ, MCHZ, KRZV, KRZV, KRZV, KRZV, AWAZ, AWAZ, WTVZ, WTVZ, OTVZ, OTVZ, TWVZ, TWVZ, HIZ, HIZ, COVZ, COVZ, RVVZ, RVVZ, CKHZ, CKHZ, FWWZ, FWWZ, BHHZ, BHHZ, WHVZ, WHVZ, DRZ, DRZ, TRVZ, TRVZ, MOVZ, MOVZ, KRHZ, KRHZ, KAHZ, KAHZ, KAHZ, KAHZ, MVTZ, MVTZ, MVTZ, MVTZ, VRRZ, VRRZ, PNHZ, PNHZ, PNHZ, PNHZ, PXZ, PXZ, WPHZ, WPHZ, WPCZ, WPCZ, TSZ, TSZ, PRHZ, PRHZ, WAZ, WAZ, WAZ, WAZ, DVHZ, DVHZ, LREZ, LREZ, ANWZ, ANWZ, POWZ, POWZ, PRWZ, PRWZ, BFZ, BFZ, BFZ, BFZ, MRZ, MRZ, TWZ, TWZ, CPWZ, CPWZ, CPWZ, CPWZ, HOWZ, HOWZ, HOWZ, HOWZ, OGWZ, OGWZ, TMWZ, TMWZ, KIWZ, KIWZ, DFWZ, DFWZ, MTW, MTW, MTW, MTW, CAW, CAW, CAW, CAW, TRWZ, TRWZ, TRWZ, TRWZ, MSWZ, MSWZ, BHW, BHW, BHW, BHW, PLWZ, PLWZ, PLWZ, PLWZ, TCW, TCW, TCW, TCW, NNZ, NNZ, NNZ, NNZ, BSWZ, BSWZ, THZ, THZ, THZ, THZ, KHZ, KHZ, LTZ, LTZ, LTZ, LTZ, OKZ, OKZ, OKZ, OKZ.

NEIC 14 14:43:08.3, 0.0, 37:56S; 177:19E, h102km, ML4.0(WEL), After WEL

WEL 14 14:43:05.8, 37S; 177E, h123km, 3km, Off east

Table with columns for Code, Station Name, Az, Phase ID, ISC, Time, Res. Includes stations like WHRZ, HAZ, RUGZ, RUGZ, OPRZ, OPRZ, MARZ, MARZ, EDJRZ, EDJRZ, TGRZ, TGRZ, URZ, URZ, URZ, URZ, PKGZ, PKGZ, MXZ, MXZ, MXZ, MXZ, MWZ, MWZ, OMRZ, OMRZ, KARZ, KARZ, TARZ, TARZ, TWGZ, TWGZ, TWGZ, TWGZ, RRRZ, RRRZ, RRRZ, RRRZ, WMGZ, WMGZ, WMGZ, WMGZ, HLRZ, HLRZ, PUZ, PUZ, PUZ, PUZ, RAGZ, RAGZ.

Table with columns: Code, Station Name, Az, Phase, ID, ISC, h, m, s, Res, ISC. Includes entries for KURSB, FITZ, WRA, ASAR, ILAR.

JMA 14 17:32:56.3:0.7, 45:51N;151:30E, h30km, M4.2, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, ISC, h, m, s, Res, ISC. Includes entries for NEM2, NEM2, JRA, JNK, JAK, JAK, JTRK, JAR, JKB, JKB, JKB.

NIED 14 17:36:00.45:40N;152:10E, h23km, Mw4.8 Best double couple: Mo:1.51000;1016 NP1:337.00000; 863.00000; 16.00000. NP2:320.00000; 876.00000; 152.00000.

ISCJB 14 17:36:20.8:0.7, 45:30N;151:95E;0.02, h8km;2.4km, mb4.9/302, MS4.5/79, Error ellipse: s-maj=4.7km s-min=1.8km az=161.8

GCMT 14 17:36:22.6:0.4, 45:29N;152:15E, h21km, MW4.8/64, Moment Tensor Solution: s39.045; s64.c93; Duration: 0 Moment tensor: Sca1e 1016Nm; M2:2.5; 14; Mo=1.16; 09; Mo=1.09; 09; Mo=0.48; 15; Mo=0.97; 05; Mo=0.54; 14; Best double couple: Mo:2.90000; 0.16; NP1:3545.00000; 854.00000; 189.00000. NP2: 9227.00000; 836.00000; 192.00000. Principal axes: T 2.3690, Plg81.0000, Azm309.0000; N -0.1570, Plg1.0000, Azm46.0000; P -2.2120, Plg9.0000. Azm136.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

NEIC 14 17:36:22.6:1.4, 45:38N;151:88E, h6km;8km, mb5.0/204 Error ellipse: s-maj=4.1km s-min=2.1km az=162.0

BUI 14 17:36:22.5, 45:33N;151:66E, h10km, mb5.1/76, mb5.0/59, MS4.8/79, MS7.4/772

SKHL 14 17:36:22.6:0.7, 45:13N;152:30E, h40km;10km, mb5.5/8, MS4.8/6

JMA 14 17:36:23.0:0.7, 45:37N;152:13E, h30km, M5.1 MOS 14 17:36:24.7:1.1, 45:32N;151:91E, h33km, mb5.3/87, MS4.6/35, Error ellipse: s-maj=5.2km s-min=3.9km az=104.1

IDC 14 17:36:25.6:2.8, 45:38N;151:92E, h26km;18km, mb4.6/42, mb1.4/747, mb1mx4.6/73, mbtmp4.7/47, ML4.0/3, MS4.3/47, s-min=9.2km az=153.0

ISC 14 17:36:24.9:0.5, 45:31N;151:97E;0.03, h20km;2km, h19km;1.9km;P-N977, r=134/1024, mb5.0/324, MS4.6/81, 64C-31D, Kuril Islands

Main table with columns: Code, Station Name, Az, Phase, ID, ISC, h, m, s, Res, ISC. Contains many station entries including Kuril'sk, Shikotan, Yuzh-Kuril'sk, Lagun'noye, etc.

Main table with columns: Code, Station Name, Az, Phase, ID, ISC, h, m, s, Res, ISC. Contains many station entries including Tuman, Tuman, Tuman, etc.

Main table with columns: Code, Station Name, Az, Phase, ID, ISC, h, m, s, Res, ISC. Contains many station entries including Ohata, Yakuimo 2, Shimam, Nanbago, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like CMAR, CM01, GUWA, PRZ, SHL, SRAK, KDJ, RES, YKWA, YKA, TURI, UHLL, UMPA, CHMS, USP, KBK, BRDH, KZA, FRU, AAK, KBS, SPAO, ODAN, EKS2, JURN, GUN, SVE, RAMN, KSH, PHET, KKN, PKIN, HNR, DMN, MNAS, GKN, ARU, DANN, TULEG, SFK, B05A, KK31, KKAR, KOLN, PYUN, BOK, B08A, I03D, G05D, DAG, PRGR, I04A.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like APA, DHRM, KEV, SMLA, AB31, ABKAR, KULLO, ARCDS, ARCES, AKTO, AKTO, E09A, YBH, J05D, M02C, N02D, NIL, NIL, M04C, K05A, KTK1, F10A, WALA, HEF, KIF, MOD, O03D, BMO, BMO, J08A, KLMR, KLMR, WWOR, WWOR, MSO, MSO, AFDM, KBL, KBL, SUMG, SUMG, SUMG, MFFD, FFC, FFC, PAHR, VCNR, HRY, PNTR, LOF, LOF, LRM, PRAP, CMB, CMB, EGMT, YERR, DLMT, HLID, HLID, WLDK, WLDK, MCMT, BHPH, BMN, BMN, BOZ, BOZ, BOZ, KVN, KVN, RYN, NV01.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like NVAR, MDPB, QLMT, NV11, YHB, BENR, MORB, GCMT, ILULI, ILULI, ILULI, H17A, IMW, FLWY, FXWY, RLMT, RLMT, MOOW, TPWA, FINES, FINES, FINES, LOHW, REDW, CWC, CTA, R11A, R11A, MPMC, HWUT, FURC, TPNV, TPNV, TPNV, DUG, DUG, DUG, DUG, OBN, OBN, OBN, OBN, OBN, HYB, HYB, EDW2, BW06, BW06, PD31, PDAR, PDAR, PSUT, VRH, VRH, VRH, NLU, GEYT, GYA0B, SHOC, GSC, MPU, BFSC, WRA, WRA, WRA, WRA, SHPR, VSU, VSU, HEC, CCUT, FITZ, TMUT, MURC, VSR, VSR, GMRC, MTPU, LCMT, VORD, VORD, P18A, FRD, K22A, K22A.

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

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like T40A, CONA, S41A, U39A, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N54A, SRS, DAVOX, DAVOX, etc.

MDT	Midett	comp=Z,174nm,18.5s,baz=352,slow=39	LR	18 41 54.1
NVL	N Lazarevskaya	comp=Z,146nm,18.6s,baz=353,slow=40	PKPab	17 56 15.0 +5.4
NVL	NVL	comp=Z,10.0nm,0.9s	PKPab	17 56 15.0 +5.4
PLCA	Paso Flores	148.85 97 PKPbc	PKPbc	17 56 09.8 -0.3
CPUP	Villa Florida	149.86 61 PKPbc	PKPbc	17 56 12.2 -0.8
SNAA	150.95 196 PKPbc	PKPbc	17 56 13.7 -0.6	

ISK 14 17:45:17.2,38.62N,43.14E, h5km, ML2.9/3
 ISCJB 14 17:45:18.4,38.64N,0.02,43.13E,0.03,h2km,5km,
 Error ellipse: s-maj=4.0km s-min=3.8km az=22.0

DDA 14 17:45:18.5,38.64N,43.18E, h7km, ML3.0
 CSEM 14 17:45:18.2,0.2,38.63N,43.16E, h5km, ML2.9, Error
 ellipse: s-maj=5.2km s-min=4.2km az=136.0

ISC 14 17:45:18.3,1.1,38.63N,0.02,43.14E,0.02,h2km,10km,
 n43,c083/67, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time Res
Op	ISC	h m s	ISC	ISC
VANB	Van	0.20 100	Op P	17 45 22.0 0.0
VANB	Van	0.20 100	SG P	17 45 25.9 +1.1
VANB	Van	0.20 100	IPg P	17 45 22.2 0.0
VANB	Van	0.20 100	IPg P	17 45 25.9 +1.1
TVAN	Van	0.23 116	IP P	17 45 22.2 -0.6
TVAN	Van	0.23 116	S P	17 45 26.3 +0.4
TVAN	Van	0.23 116	S P	17 45 22.2 -0.6
TVAN	Van	0.23 116	S P	17 45 26.3 +0.4
GEVA	Gevaa	0.32 191	IP S	17 45 24.2 -0.4
GEVA	Gevaa	0.32 191	IP S	17 45 31.5 -1.2
GEVA	Gevaa	0.32 191	IP S	17 45 24.2 -0.4
GEVA	Gevaa	0.32 191	IP S	17 45 31.5 -1.2
ADCV	BITLIS_Adilcev	0.37 299	IP P	17 45 24.1 +0.6
ADCV	BITLIS_Adilcev	0.37 299	IP S	17 45 33.0 -1.1
ADCV	BITLIS_Adilcev	0.37 299	IP S	17 45 26.1 +0.6
ADCV	BITLIS_Adilcev	0.37 299	IP S	17 45 33.0 -1.1
ERCV	ERCIS-VAN	0.42 22	PG P	17 45 26.2 -0.2
ERCV	ERCIS-VAN	0.42 22	PG P	17 45 33.5 -0.4
VMUR	Van-Muradiye	0.49 43	IP S	17 45 28.1 +0.2
VMUR	Van-Muradiye	0.49 43	IP S	17 45 36.8 -0.8
VMUR	Van-Muradiye	0.49 43	IP S	17 45 28.1 +0.2
VMUR	Van-Muradiye	0.49 43	IP S	17 45 36.8 -0.8
CLDR	Caldiran	0.79 50	PG P	17 45 33.4 -0.2
CLDR	Caldiran	0.79 50	IP P	17 45 34.4 -0.7
CLDR	Caldiran	0.79 50	IP P	17 45 45.2 -1.1
CLDR	Caldiran	0.79 50	IP P	17 45 33.4 -0.2
CLDR	Caldiran	0.79 50	IP P	17 45 45.4 +0.9
TUTA	Tutak	0.81 342	IP S	17 45 33.5 -0.4
TUTA	Tutak	0.81 342	IP S	17 45 45.4 +0.9
TUTA	Tutak	0.81 342	IP S	17 45 33.5 -0.4
TUTA	Tutak	0.81 342	IP S	17 45 45.4 +0.9
GURO	Guroymak-BITLI	0.87 265	PG P	17 45 44.4 +0.7
GURO	Guroymak-BITLI	0.87 265	PG S	17 45 46.5 +0.1
GURO	Guroymak-BITLI	0.87 265	PG P	17 45 44.4 +0.7
GURO	Guroymak-BITLI	0.87 265	PG S	17 45 46.5 +0.1
AGRb	Hanur-Agry	0.95 353	PG P	17 45 36.0 -0.6
AGRb	Hanur-Agry	0.95 353	PG P	17 45 36.0 -0.6
EKAR	Karacoban	1.05 307	IP P	17 45 56.8 +0.3
EKAR	Karacoban	1.05 307	IP P	17 45 56.8 +0.3
EKAR	Karacoban	1.05 307	IP P	17 45 56.8 +0.3
EKAR	Karacoban	1.05 307	IP P	17 45 56.8 +0.3
SRTM	Siirt_Merkez	1.15 237	IP P	17 45 42.7 +1.1
SRTM	Siirt_Merkez	1.15 237	IP P	17 45 55.9 +0.6
SRTM	Siirt_Merkez	1.15 237	IP P	17 45 42.7 +1.1
SRTM	Siirt_Merkez	1.15 237	IP P	17 45 55.9 +0.6
SIRT	Siirtak	1.26 206	PN P	17 45 41.9 -0.5
SIRT	Siirtak	1.26 206	PN P	17 45 41.9 -0.5
SIRR	S-rnak	1.27 207	IP P	17 45 43.5 +0.3
SIRR	S-rnak	1.27 207	IP P	17 46 02.2 +1.9
SIRR	S-rnak	1.27 207	IP P	17 45 43.5 +0.3
SIRR	S-rnak	1.27 207	IP P	17 46 02.2 +1.9
EATA	Eleskirt	1.33 338	IP P	17 45 43.0 -0.8
EATA	Eleskirt	1.33 338	IP S	17 46 01.3 +0.2
EATA	Eleskirt	1.33 338	IP S	17 45 43.0 -0.8
EATA	Eleskirt	1.33 338	IP S	17 46 01.3 +0.2
CURT	Kukurca	1.43 165	PN P	17 45 44.3 -1.1
CURT	Kukurca	1.43 165	PN P	17 45 44.3 -1.1
IGDI	IGDIR	1.44 30	IP P	17 45 45.8 -0.1
SVAN	Silvan-Diyarba	1.60 253	PN P	17 45 47.0 -0.7
SVAN	Silvan-Diyarba	1.60 253	IP P	17 45 48.7 +0.1
SVAN	Silvan-Diyarba	1.60 253	IP P	17 45 47.0 -0.7
SVAN	Silvan-Diyarba	1.60 253	IP P	17 45 48.7 +0.1
DIGO	Kars	1.79 6	PN P	17 45 52.6 -0.1
DIGO	Kars	1.79 6	PN P	17 45 52.6 -0.1
BNGb	Bingöl	1.96 281	PN P	17 45 52.1 -0.6
BINT	Bingöl	2.09 278	ePN P	17 45 52.1 -2.4

MAN 14 17:49:39.2,6.22N,126.66E, h54km, mb4.8, ML3.7, MS3.7,
 2C, Mindanao

Code	Station Name	Δ° AZ°	Phase ID	Time Res
Op	ISC	h m s	ISC	ISC
MATI	Mati	0.82 331	Op P	17 49 55.1 +0.4
MATI	Mati	0.82 331	eS P	17 49 55.1 +0.4
DMPH	Davao City-Mi	1.43 307f	ePN P	17 50 08.7 +2.6
DMPH	Davao City-Mi	1.43 307f	ePN P	17 50 07.1 +4.3
GSPH	General Santos	1.70 266f	IP P	17 50 04.6 -2.0
GSPH	General Santos	1.70 266f	IP P	17 50 22.3 -5.1
SKMP	Bagumbayan, Su	2.12 278	eP P	17 50 10.8 -1.4
SKMP	Bagumbayan, Su	2.12 278	eP P	17 50 37.9 +0.4
BUKP	Musuan	2.29 316	eS P	17 50 15.9 +1.3
BUKP	Musuan	2.29 316	eS P	17 50 43.1 +1.6

ISC 14 18:00:41.7,10.0, 17.89S,177.85W, h341km,98km,
 mb3.6/7, mb1 3.7/7, mb1mx3.2/5.1, mbtmp4.3/7, Error
 ellipse: s-maj=51.1km s-min=32.5km az=119.0, Fiji
 Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res
Op	ISC	h m s	ISC	ISC
CTA	Charters Tower	33.98 260	Op P	18 06 55.0 +0.4
STKA	Stephens Creek	39.11 241	P	18 07 38.7 +1.3
JAY	Jayapura	43.42 286	P	18 08 11.3 -1.1
WRA	Warramunga Arr	45.16 259	P	18 08 24.7 -1.3
ASAR	Alice Springs	45.31 254	P	18 08 26.9 -0.3
ASAR	Alice Springs	45.31 254	PcP	18 09 58.9 -1.6
MJAR	Matsuhiro Arr	66.21 323	P	18 11 06.7 +0.3
PDAR	Pinedale Array	86.97 43	P	18 12 48.3 -1.0
BRTR	Reskin Array B	145.15 315	PKPbc	18 19 39.4 +0.0
GERES	GERES Array B	147.73 346	PKPbc	18 19 47.0 +0.3

ISC 14 18:10:50.4,0.9, 11.60N,142.77E, h0km, mb3.8/12,
 mb1 4.0/13, mb1mx3.8/5, mbtmp3.8/13, ML3.6/1, Error
 ellipse: s-maj=24.7km s-min=18.7km az=110.0

ISCJB 14 18:10:53.4,0.7, 11.60N,0.1,142.7E,0.1, h2km, mb3.8/12,
 Error ellipse: s-maj=18.7km s-min=9.4km az=138.4

ISC 14 18:15:5.1,0.9, 11.60N,0.1,142.7E,0.1, h3km, n13,
 c089/14, mb3.8/12, South of Mariana Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res
Op	ISC	h m s	ISC	ISC
GUMO	Guam	2.88 47	Pn	18 11 38.9 +0.2
GUMO	Guam	2.88 47	Sn	18 12 12.2 -0.1
WRA	Warramunga Arr	32.42 195	P	18 17 22.2 -0.2
ASAR	Alice Springs	36.10 194	P	18 17 54.2 -0.1
CMAR	Chiang Mai Arr	42.74 285	P	18 18 50.0 +0.2
SONM	Songino Array	47.19 327	P	18 19 23.8 -1.1

MKAR	Makanchi Array	61.48 317	P	18 21 10.4 +1.6
ZALV	Zalovo Beam	62.03 325	P	18 21 13.6 +1.3
KURBB	Kurchatov Arra	64.80 321	P	18 21 31.3 +0.6
BVAR	Borovoye Array	70.19 322	P	18 22 05.4 +0.6
ILAR	Eielson Array	71.24 25	P	18 22 10.2 -0.7
ARCES	ARCCESS Array B	88.31 342	P	18 22 43.2 0.0
NVAR	Mina Array Brea	89.79 51	P	18 23 51.9 +0.8
FINES	FINESSE Array B	92.05 335	P	18 23 59.7 -1.1

NIED 14 18:48:00.45,40N,152.20E, h20km, Mw4.7 Best double
 couple: Mb1.07000x10¹⁶, NP1₁=157.00000°, 348.00000°,
 1.15,00000°, NP2₂=58.00000°, 879.00000°, 1.137,00000°,
 ISCJB 14 18:48:27.8,0.8, 45.32N,0.03, 151.93E,0.02, h0km,5km,
 mb4.8/231, MS4.4/56, Error ellipse: s-maj=5.2km
 s-min=2.2km az=155.9

ISC 14 18:48:29.3,0.5, 45.36N,151.89E, h0km, mb4.5/35,
 mb1 4.6/40, mb1mx4.5/72, mbtmp4.5/40, ML3.8/3, MS4.1/32,
 Ms1 4.1/32, ms1mx3.9/77, Error ellipse: s-maj=14.1km
 s-min=11.0km az=149.0

BUL 14 18:48:29.6,45.41N,151.78E, h6km, mb4.9/63, mb5.0/49,
 Ms4.6/58, Ms7 4.4/55

NEIC 14 18:48:30.8,1.3, 45.31N,151.87E, h9km,8km, mb4.8/169,
 Error ellipse: s-maj=4.3km s-min=2.2km az=158.0

GCMT 14 18:48:30.8,0.6, 45.44N,152.17E, h23km,1km, MW4.8/54,
 Moment Tensor Solution: s26,c35, s54,c78; Duration:
 0 Moment tensor: Scale 10¹⁶Nm; Mr2.13±.15;
 Mw=0.96±.10; Ms=1.16±.09; Mw0.05±.15; Mw0.55±.05;
 Mw0.04±.15; Best double couple: Mb1.87700x10¹⁶

NP1₁=40.00000°, 846.00000°, 1.90,00000°. NP2:
 42.20,00000°, 844.00000°, 1.90,00000°. Principal axes: T
 2.1310, Plg89,0000°, Azm330,00000°; N -0.5020,
 Plg0,0000°, Azm220,00000°; P -1.6230, Plg1,0000°,
 Azm130,00000°; nst1 refers to surface waves, cutoff=40s.
 nst2 refers to surface waves, cutoff=50s.

SKHL 14 18:48:30.3,0.8, 44.97N,152.39E, h50km,5km, mb5.2/8,
 Ms4.6/6

JMA 14 18:48:30.7,0.7, 45.37N,152.18E, h30km, ML4.9
 MOS 14 18:48:33.7,1.0, 45.33N,151.86E, h40km, mb5.1/62,
 MS4.5/22, Error ellipse: s-maj=5.9km s-min=4.5km
 az=113.1

ISC 14 18:48:31.8,0.6, 45.21N,150.05E,152.03E,0.04, h19km,2km,
 h20km: pP, n648, c1966/701, mb4.8/258, MS4.5/28,
 57C-18D, East of Kuril Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res
Op	ISC	h m s	ISC	ISC
KUR	Kuril'sk	2.94 272	Op P	18 49 18.0 +0.6
KUR	Kuril'sk	2.94 272	AMB	18 49 25.0
KUR	143nm,0.4s		AMB	18 49 25.0
KUR	81nm,0.4s		AMB	18 49 25.0
KUR	272nm,0.4s		AMB	18 49 53.0 +0.8
KUR	1μm,0.4s		A	18 50 09.0
KUR	257nm,0.4s		A	18 50 09.0
KUR	8μm,9.0s		AMS	18 51 09.3
KUR	5μm,9.0s		AMS	18 51 09.3
KUR	6μm,9.0s		AMS	18 51 09.3
KUR	Kuril'sk	2.94 272	IP N	18 49 18.2 +0.8
KUR	Kuril'sk	2.94 272	IP S	18 49 53.2 +1.0
KUR	comp=E,81nm,0.4s		pmx	pmx
KUR	comp=Z,272nm,0.4s		pmx	pmx
KUR	comp=N,143nm,0.3s		smx	smx
KUR	comp=N,1μm,0.7s		smx	smx
KUR	comp=E,257nm,0.4s		smx	smx
SHO	Shikotan	3.95 252	IP P	18 49 31.0 -0.3
SHO	Shikotan	3.95 252	AMB	18 49 41.0
SHO	comp=E,47nm,0.4s		AMB	18 49 41.0
SHO	comp=E,83nm,0.4s		AMB	18 49 41.0
SHO	comp=E,147nm,0.4s		AMB	18 49 41.0
SHO	comp=E,326nm,0.4s		A	18 50 20.0
SHO	comp=E,445nm,0.4s		A	18 50 20.0
SHO	comp=E,4μm,18.0s		AMS	18 51 34.0
SHO	comp=E,6μm,18.0s		AMS	18 51 34.0
SHO	comp=E,3μm,18.0s		AMS	18 51 34.0
SHO	Shikotan	3.95 252	IP N	18 49 31.9 +0.6
SHO	Shikotan	3.95 252	IP S	18 50 17.8 +0.7
SHO	comp=Z,147nm,0.4s		pmx	pmx
SHO</				

14d 18h

2012 JUL

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like Nikolayevsk, Matsuhiro Arr, and various others.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like WAKE ISLAND Hy, H11N3, and various others.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like Denali Highway, Sheep Creek Mo, and various others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like WATA Walderalm, MOTA Moosalm, FETA Feichtal, etc.

14d 19:27:31.6, 0.1, 33°29'N-35°36'E, h4km, MD1.5/2
ISCJB 14 19:27:32.0, 0.6, 33°30'N-04°58'34E, 0.05, h13km, 7km,
Error ellipse: s-maj=8.8km s-min=3.3km az=38.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNTI Hanita, KSDI Kefar Szold, MMAOB Mount Meron ar, etc.

IDC 14 19:41:15.1, 1.0, 71°19'N-9°80'W, h0km, mb3.5/9,
mb1.3/7.14, mb1mx3.5/68, mbtmp3.6/14, ML2.9/4, MS3.4/16,
MS1.3/4.16, ms1mx3.2/67, Error ellipse: s-maj=19.7km
s-min=13.5km az=56.0

Mw 1.06±.16; Mw 1.21±.12; Mw 0.00±.25; Mw 1.69±.12;
Mw 0.25±.22; Best double couple: Ms2.05000±1016
NP1.9±17.00000±.889.00000±.1-173.00000±. NP2:
q=287.00000±.883.00000±.1-1.00000±. Principal axes: T
1.9690, Plg4.0000±. Azm27.0000±; N 0.1610,
Plg83.0000±, Azm27.0000±; P -2.1320, Plg5.0000±,
Azm242.0000±; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s.

REY 14 19:41:20.4, 70.46N-8.34W, h10km, 5km,
ISC 14 19:41:17.8-0.9, 71°13'N-0°05'9.94W, 0.05, h18km, 5km,
n67, r=194472, mb3.4/11, MS3.3/13, 1C, Jan Mayen Island
region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makarchan Array, etc.

NIED 14 19:47:00.45, 60°N-151°80'E, h17km, Mw3.8 Best double
couple: Ms4.86000±1014 NP1.9±154.00000±.844.00000±.
λ.53.00000±. NP2.9±21.00000±.856.00000±. λ.121.00000±.

JMA 14 19:47:30.5-0.7, 45°62'N-151°76'E, h30km, M4.0, Kuril
Islands
Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like NEM2 Nemuro 2, JRA Rausu, JNK Nakash, etc.

ISCJB 14 19:54:12.0, 0.2, 71°18'N-0°02'-10.20W-0°06, h10km,
mb4.4/76, MS3.4/14, Error ellipse: s-maj=3.4km
s-min=2.5km az=150.2

MOS 14 19:54:12.3, 1.2, 71°49'N-9°95'W, h10km, mb4.6/34, Error
ellipse: s-maj=16.6km s-min=5.4km az=101.0

IDC 14 19:54:12.6, 0.7, 71°30'N-9°88'W, h0km, mb3.9/13,
mb1.4/1.17, mb1mx3.9/77, mbtmp4.0/17, ML3.8/4, MS3.4/12,
MS1.3/4.12, ms1mx3.2/76, Error ellipse: s-maj=15.1km
s-min=11.1km az=54.0

CSEM 14 19:54:13.4, 0.1, 71°27'N-10°20'W, h10km, mb4.5/36, Error
ellipse: s-maj=4.2km s-min=3.8km az=159.0

BER 14 19:54:13.5, 0.1, 71°28'N-10°09'W, h10km, ML3.8,
ML4.8(NAO)

NAO 14 19:54:14.4, 4.5, 71°34'N-9°79'W, h16km, 23km, ML4.8
NEIC 14 19:54:14.2, 1.9, 71°38'N-9°73'W, h8km, 13km, mb4.5/55,
Error ellipse: s-maj=5.2km s-min=3.5km az=47.0

REY 14 19:54:15.5, 70.83N-9.78W, h10km,
ISC 14 19:54:13.8-0.4, 71°29'N-0°04'9.91W, 0.03, h10km, n281,
c2=16/303, mb4.4/86, MS3.5/14, 10C-3D, Jan Mayen
Island region

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

SUMG Summit	8.91 292	eP	Pn	19 56 23.5 +0.7
SUMG		e	Pn	19 57 54.3
HSPB Hornsund (broa)	8.92 39	ePn	Pn	19 56 20.9 -1.6
BJO1 Bjornoya	9.03 56	Pn	Pn	19 56 24.5 +0.5
BJO2 Bjornoya	9.08 56	Pn	Pn	19 56 24.5 -0.2
STEI Steigen	9.35 99	ePn	Pn	19 56 28.0 +0.2
KBS Kingsbay	9.41 26	Pn	Pn	19 56 27.2 -2.0
KBS Kingsbay	9.41 26	ePn	Pn	19 56 27.5 -1.6
KBS		eSn	Pn	19 58 02.3 -1.2
KBS Kingsbay	9.41 26	eP	Pn	19 56 27.5 -1.6
KBS Kingsbay	9.41 26	ePn	Pn	19 56 28.1 -1.0
KBS		eSn	Pn	19 58 12.7 -8.3
KONS Konsvik	9.54 109	ePn	Pn	19 56 30.2 -0.8
KONS		eSn	Pn	19 58 10.0 -8.1
SPA0 Spitsbergen Ar	9.66 33	Pn	Pn	19 56 32.5 -0.1
SPA0	baz=252,slow=12		Sn	19 58 17.6 -3.3
SPA0	baz=256,slow=28		ePn	19 56 32.3 -0.3
SPA0		ePn	Pn	19 58 17.0 -3.9
SPA0		ePn	Pn	19 56 32.1 -0.5
SPA0		eSn	Pn	19 58 12.7 -8.3
SPITS Spitsbergen Ar	9.66 33	Pn	Pn	19 56 32.3 -0.3
SPITS	baz=240,slow=13,SNR=398		Sn	19 58 18.1 -2.8
SPITS	baz=239,slow=34,SNR=9.0		Sn	19 58 18.1 -2.8
SPITS	comp=Z,427nm,18.3s,baz=155,slow=31		LR	19 59 15.2
TRO Tromso	9.74 86	ePn	Pn	19 56 32.4 -1.4
MORB Mol Rana	10.16 108	ePn	Pn	19 56 40.2 +0.6
NIS Namsos	10.60 119	ePn	Pn	19 56 45.3 -0.1
NIS		eSn	Pn	19 58 24.1 -1.0
KIF Kilpisjarvi	10.62 88	ePn	Pn	19 56 45.2 -0.4
HOPEN Hopem	10.84 46	ePn	Pn	19 56 48.7 0.0
AKN Aaknes	11.27 136	Pn	Pn	19 56 55.6 +0.9
AKN Aaknes	11.27 136	ePn	Pn	19 56 53.8 -0.9
AKN		eSn	Pn	19 58 50.7 -1.0
KTK1 Kautokeino	11.40 86	ePn	Pn	19 57 55.5 -0.9
SUE Sulen	11.81 143	ePn	Pn	19 57 01.2 -0.8
SUE		eSn	Pn	19 59 02.4 -1.1
HEF Hetta	11.82 88	ePn	Pn	19 57 01.5 -0.6
DOMB Dombas	11.87 132	ePn	Pn	19 57 02.2 -0.7
ARAO ARCESS Array S	11.89 81	Pn	Pn	19 57 03.4 +0.2
ARAO	baz=285,slow=12		Pn	19 57 03.4 +0.2
ARAO	baz=285,slow=12		Pn	19 57 03.4 +0.2
ARAO	baz=285,slow=12		Pn	19 57 03.4 +0.2
ARCES ARCESS Array B	11.89 81	Pn	Pn	19 57 03.4 +0.2
ARCES	comp=Z,0.7nm,0.3s,baz=289,slow=12,SNR=15		Pn	19 57 03.9 +0.8
ARCES ARCESS Array B	11.89 81	ePn	Pn	19 57 03.9 +0.8
ARCES ARCESS Array B	11.89 81	ePn	Pn	19 57 03.9 +0.8
KEY Kevo	12.28 78	ePn	Pn	19 57 08.7 +0.3
KEY Kevo	12.28 78	ePn	Pn	19 57 08.7 +0.3
ASK Askoy	12.42 143	ePn	Pn	19 57 10.0 -0.4
NC204 NORARS Array S	12.95 130	ePn	Pn	19 57 17.5 -0.1
NC203 NORARS Array S	12.99 130	ePn	Pn	19 57 18.8 +1.6
NC301 NORARS Array S	13.12 129	ePn	Pn	19 57 21.4 +1.3
NC303 NORARS Array S	13.14 129	ePn	Pn	19 57 19.6 -0.6
NC303 NORARS Array S	13.14 129	ePn	Pn	19 57 18.4 +1.8
NB000 NORARS Array S	13.16 131	ePn	Pn	19 57 21.3 +0.8
NB000 NORARS Array S	13.16 131	ePn	Pn	19 57 17.8 -2.8
NB003 NORARS Array S	13.19 131	ePn	Pn	19 57 21.9 +0.9
NB204 NORARS Array S	13.24 130	ePn	Pn	19 57 22.6 +1.0
NOA NORARS Array B	13.25 130	LR	LR	20 01 51.3
NOA	comp=Z,1.06nm,20.9s,baz=335,slow=35		LR	20 01 51.3
NB201 NORARS Array S	13.27 130	ePn	Pn	19 57 24.1 +2.0
NB201 NORARS Array S	13.27 130	ePn	Pn	19 57 21.0 -1.0
NC405 NORARS Array S	13.32 129	ePn	Pn	19 57 22.7 0.0
NAO01 NORARS Array S	13.35 131	ePn	Pn	19 57 23.9 +0.7
NAO01 NORARS Array S	13.35 131	ePn	Pn	19 57 22.0 -0.8
NC403 NORARS Array S	13.36 129	ePn	Pn	19 57 22.1 -1.1
NAO03 NORARS Array S	13.38 131	ePn	Pn	19 57 22.3 -1.2
NRA0 NORESS Array S	13.60 130	Pn	Pn	19 57 24.9 -1.6
NRA0	baz=330,slow=14		Pn	19 57 24.9 -1.6
NC602 NORARS Array S	13.61 130	ePn	Pn	19 57 27.1 +0.6
NC602 NORARS Array S	13.61 130	ePn	Pn	19 57 25.3 -1.2
EL55 Eljasjok	17.15 107	ePn	Pn	19 57 26.5 -0.7
ILU1 Ilulissat	13.88 281	ePn	Pn	19 57 28.2 -2.0
ILU1 Ilulissat	13.88 281	ePn	Pn	19 57 28.2 -2.0
KONO Kongsberg	14.11 136	ePn	Pn	19 57 30.9 -2.5
KONO Kongsberg	14.11 136	ePn	Pn	19 57 30.9 -2.5
HFS Hagfors	14.67 128	Pn	Pn	19 57 40.1 -1.0
HFS	baz=340,slow=9.3		LR	20 02 45.5
HFS	comp=Z,0.3nm,0.3s,baz=334,slow=9.9,SNR=11		LR	20 02 45.5
HFS	comp=Z,126nm,21.0s,baz=328,slow=35		LR	20 02 45.5
HFS	baz=340,slow=9.3		Pn	19 57 40.1 -1.0
SNART Snartemo	14.81 143	ePn	Pn	19 57 42.5 -0.4
SFJD Kangerlussuaq	14.88 273	LR	LR	20 02 54.6
SFJD	comp=Z,1.37nm,20.1s,baz=335,slow=35		LR	20 02 54.6
LVZ Lovozero	15.61 81	eP	Pn	19 57 53.6 0.0
LVZ	comp=Z,1.04nm,1.8s		Pn	19 57 53.6 0.0
LVZ	comp=Z,1.04nm,1.8s		Pn	19 57 53.6 0.0
EKA Eskdalemuir Ar	16.29 166	Pn	Pn	19 58 03.1 +0.9
EKA	baz=356,slow=13,SNR=15		Pn	19 58 02.7 +0.2
ESK Eskdalemuir	16.30 166	ePn	Pn	19 58 02.7 +0.2
ESK	comp=Z,47nm,1.5s		Pn	19 58 02.7 +0.2
ESK	comp=Z,47nm,1.5s		Pn	19 58 02.7 +0.2
TULEG Thule	16.42 315	ePn	Pn	19 57 56.1 -7.8
TULEG	comp=Z,90nm,1.4s		Sn	20 00 52.4 -1.3
FIA0 FINESS Array S	17.15 107	ePn	Pn	19 58 14.3 -0.5
FIA0	baz=323,slow=14		P	19 58 14.3 -0.5
FIA0	baz=323,slow=14		P	19 58 14.3 -0.5
FIA0	baz=323,slow=14		Pn	19 58 14.3 -0.5
FIA1 FINESS Array S	17.15 107	ePn	Pn	19 58 13.3 +0.2
FIA1	comp=Z,23nm,1.8s		P	19 58 14.3 -0.5
FINES FINESS Array B	17.15 107	P	P	19 58 14.3 -0.5
FINES	comp=Z,0.4nm,0.3s,baz=323,slow=10,SNR=13		LR	20 04 04.4
NRS Narsarsuaq	17.22 252	ePn	Pn	19 58 16.0 +0.4
NRS	comp=Z,21nm,0.8s		P	19 58 16.0 +0.4
NRS	comp=Z,21nm,0.8s		P	19 58 16.0 +0.4
DSB Dublin	18.18 173	eP	Pn	19 58 28.2 +1.9
VSU Vasula	19.73 112	iP	Pn	19 58 44.9 +0.3
WTSB Winterswijk	20.80 150	eP	Pn	19 58 56.6 -0.6
UCC Uccle	21.57 155	eP	P	19 59 04.0 +0.8
UCC	comp=Z,16nm,0.9s		P	19 59 04.0 +0.8
UCC	comp=Z,16nm,0.9s		P	19 59 04.0 +0.8
GKP Gorka Klasztor	21.69 132	eP	P	19 59 07.3 +3.0
GKP Gorka Klasztor	21.69 132	eP	P	19 59 07.3 +3.0
HGN Heimansgroeve	21.83 152	eP	P	19 59 07.5 +1.6
KLMR Klimovskoe	21.86 93	eP	P	19 59 03.0 -3.1
KLMR	comp=Z,61nm,1.1s		P	19 59 03.1 -3.1
KLMR	comp=Z,61nm,1.1s		AMP	19 59 07.6
IZAR IZAR	21.87 116	eP	IAMB	19 59 06.9 +0.5
IZAR	comp=Z,6.2nm,0.9s		IAMB	19 59 10.6 +0.6
IIGN IIGN	22.21 117	eP	IAMB	19 59 21.3
IIGN	comp=Z,5.8nm,1.0s		IAMB	19 59 12.6 +0.7
IDID IDID	22.39 116	eP	IAMB	19 59 18.5
IDID	comp=Z,9.9nm,1.1s		IAMB	19 59 14.9 +1.4
SUW Suwalki	22.54 123	eP	P	19 59 14.9 +1.4
SUW	comp=Z,46nm,1.1s		P	19 59 14.9 +1.4
SUW	comp=Z,47nm,1.1s		P	19 59 15.1 +1.2
CLL CLL	22.57 140	iP	sP	19 59 19.3 +1.3
CLL	comp=Z,23nm,1.3s		iP	19 59 19.3 +1.3

CLL CLL		e	P	19 59 37.0
CLL CLL		ePPP	PPP	19 59 47.0
CLL CLL		eS	S	20 03 25.0 +4.0
CLL CLL		eS	S	19 59 15.0 +1.1
CLL Colim	22.57 140	iP	P	19 59 15.1 +1.2
CLL Colim	22.57 140	iP	P	19 59 19.3
CLL CLL		eS	S	20 03 25.0 +4.0
CLL CLL		eS	Pmax	19 59 20.4 +2.7
WLF WLF	22.93 153	eP	P	19 59 20.4 +2.7
WLF	comp=Z,23nm,1.3s		P	19 59 20.4 +2.7
WLF WLF	22.93 153	eP	P	19 59 20.4 +2.7
WLF	comp=Z,27nm,1.4s		Pmax	19 59 22.8 +3.8
RES Resolute Bay	23.08 318	P	P	19 59 23.0 +4.0
RES	comp=Z,16nm,0.8s,baz=52,slow=11,SNR=18		P	19 59 23.0 +4.0
RES	comp=Z,17nm,0.8s		Pmax	19 59 23.0 +4.0
RES	comp=Z,17nm,0.8s		Pmax	19 59 23.0 +4.0
BRG Berggiesshobel	23.18 139	eP	P	19 59 22.6 +2.4
BRG	comp=Z,1.7nm,0.8s		S	20 03 25.0 -6.6
BRG	comp=Z,2.7nm,1.1s		S	19 59 22.6 +2.4
BRG	comp=Z,2.7nm,1.1s		S	20 03 25.0 -6.6
PRGR Fermogore	23.25 86	eP	Pmax	19 59 21.8 +1.0
PRGR	comp=Z,8.0nm,1.2s		Pmax	19 59 21.8 +1.0
NKC Novy Kostel	23.48 142	eP	sP	19 59 25.1 +1.8
NKC	comp=Z,2.1nm,1.4s		eP	19 59 28.1 +0.6
NKC	comp=Z,2.1nm,1.4s		eP	19 59 28.1 +1.8
NKC	comp=Z,2.1nm,1.4s		MLR	19 59 28.1
NKC	comp=Z,4.0nm,22.3s		MLR	19 59 28.1
KSP Ksiaz	23.72 136	eP	P	19 59 28.7 +3.1
KSP	comp=Z,2.7nm,1.1s		P	19 59 28.7 +3.1
GRFO Grafenberg	23.76 144	eP	P	19 59 27.1 +1.1
GRFO	comp=Z,32nm,1.4s		P	19 59 27.1 +1.1
GRFO	comp=Z,32nm,1.4s		Pmax	19 59 27.1 +1.1
PRU Pruhonice	24.14 139	eP	AMS	19 59 32.0 +2.4
PRU	comp=Z,100nm,12.3s		AMS	20 12 20.0
PRU	comp=Z,100nm,12.3s		MLR	19 59 32.0 +2.4
PRU	comp=Z,100nm,12.3s		MLR	19 59 32.0 +2.4
DOB Dobruska-Polom	24.19 136	eP	AMS	19 59 32.6 +2.5
DOB	comp=Z,100nm,10.1s		AMS	20 11 30.0
DOB	comp=Z,100nm,10.1s		MLR	19 59 32.6 +2.5
DOB	comp=Z,100nm,10.1s		MLR	19 59 32.6 +2.5
GOPC GO Pecny, Ondr	24.27 139	eP	P	19 59 32.7 +2.0
GOPC	comp=Z,1.1nm,0.1s		x	19 59 39.3
GOPC	comp=Z,1.1nm,0.1s		x	19 59 39.3
GOPC	comp=Z,1.1nm,0.1s		x	19 59 39.3
STU Stuttgart	24.29 148	eP	P	19 59 32.6 +1.6
STU	comp=Z,1.8nm,1.3s		P	19 59 32.6 +1.6
STU	comp=Z,1.8nm,1.3s		Pmax	19 59 32.6 +1.6
ECH Echery	24.50 152	eP	P	19 59 34.4 +1.5
ECH	comp=Z,10nm,0.8s		Pmax	19 59 34.4 +1.5
ECH	comp=Z,10nm,0.8s		Pmax	19 59 34.4 +1.5
KRAL Kraliky	24.55 136	eP	x	19 59 35.2 +1.8
KRAL	comp=Z,1.0nm,0.8s		x	19 59 41.5
KRAL	comp=Z,1.0nm,0.8s		x	19 59 35.2 +1.8
KRAL	comp=Z,1.0nm,0.8s		x	19 59 35.2 +1.8
BFO Black Forest	24.57 150	eP	Pmax	19 59 36.0 +2.4
BFO	comp=Z,1.8nm,1.2s		Pmax	19 59 36.0 +2.4
BFO	comp=Z,1.8nm,1.2s		Pmax	19 59 36.0 +2.4
KHC Kasperske Hory	24.76 141	eP	P	19 59 37.2 +2.0
KHC	comp=Z,2.0nm,12.3s		AMS	19 59 42.9
KHC	comp=Z,2.0nm,12.3s		AMS	19 59 36.8 +1.6
KHC	comp=Z,2.0nm,12.3s		AMS	19 59 37.2 +2.0
KHC	comp=Z,2.0nm,12.3s		AMS	19 59 42.9
MORC Moravsky Berou	25.00 135	eP	P	19 59 38.7 +1.3
MORC	comp=Z,2.0nm,12.3s		P	19 59 38.7 +1.3
MORC	comp=Z,2.0nm,12.3s		Pmax	19 59 38.7 +1.3
MORC	comp=Z,2.0nm,12.3s		Pmax	19 59 38.7 +1.3
GEC GERESS Array B	25.05 141	eP	P	19 59 40.8 +2.8
GEC	comp=Z,1.6nm,1.9s		P	19 59 40.8 +2.8
GEC	comp=Z,1.6nm,1.9s		P	19 59 40.8 +2.8
GERES GERESS Array B	25.05 141	P	P	19 59 39.8 +1.8
GERES	comp=Z,1.6nm,1.9s		LR	20 09 26.9
GERES	comp=Z,1.6nm,1.9s		LR	20 09 26.9
GERES	comp=Z,1.6nm,1.9s		LR	20 09 26.9
GERES	comp=Z,1.6nm,1.9s		LR	20 09 26.9
GEAO GERESS Array B	25.06 141	AMS	AMS	19 59 39.6 +1.6
OKC Ostrava-Krasna	25.08 134	AMS	AMS	20 11 20.0
OKC	comp=Z,200nm,16.3s		AMS	19 59 39.4 +0.9
OJC Ojcow	25.12 131	eP	P	19 59 39.4 +0.9
OJC	comp=Z,6.8nm,0.8s		Pmax	19 59 39.4 +0.9
OJC	comp=Z,6.8nm,0.8s		Pmax	19 59 39.4 +0.9
VRAC Vranov	25.23 137	eP	P	19 59 40.0 +0.6
VRAC				

FI40	ePP	pP	20 05 17.6 +0.3
FINES	FINES Array B	57.65 328 P	20 05 03.6 +0.8
FINES	comp-Z, 8.7nm, 0.7s, baz=97, slow=8.1, SNR=19		
FINES	comp-Z, 23nm, 0.7s, baz=85, slow=8.0, SNR=17		20 05 17.6 +0.3
FINES	comp-Z, 2.275nm, 20.6s, baz=94, slow=39		
SZH	Strazhica	57.72 307 eP	20 05 17.2 -0.9
KARP	Karpathos	57.83 297 eP	20 05 03.7 -0.8
KARP	comp-Z, 1.96nm, 0.9s		
KARP	Karpathos	57.83 297 P	20 05 04.1 -0.4
BURAR	Bucovina Array	57.87 312 i/P	20 05 05.0 +0.3
BURAR	Bucovina Array	57.87 312 i/P	20 05 05.0 +0.3
BURAR	Bucovina Ar. S	57.87 312 eP	20 05 04.2 -0.5
BUR08	Bucovina Ar. S	57.87 312 eP	20 05 04.8 +0.1
ALN	Alexandroupoli	57.90 304 eP	20 05 05.3 +0.6
ALN	Alexandroupoli	57.90 304 P	20 05 04.5 -0.4
ALN	Alexandroupoli	57.90 304 eP	20 05 05.5 +0.6
PRK	Paraskevi	57.95 302 P	20 05 20.0 +0.2
MANU	Manus Island	58.05 110 eP	20 05 05.7 -0.6
ZIMR	comp-Z, 1.76nm, 1.4s		
ZIMR	58.09 307 i/P	P	20 05 06.3 +0.2
ZIMR	58.09 307 i/P	P	20 05 06.3 +0.2
CHOS	Chios island	58.24 301 P	20 05 22.7 +0.7
RDO	Rodhopi	58.25 304 P	20 05 20.8 -1.1
GOLR	58.26 308 i/P	P	20 05 08.2 +0.9
ARC	ARCALIA	58.49 311 i/P	20 05 10.3 +1.4
KEV	Kevo	58.57 338 LR	20 05 20.0 +1.1
SUW	comp-Z, 4.455nm, 20.0s		
SUW	Suwali	58.90 319 eP	20 05 12.2 +0.7
SUW	Suwali	58.90 319 eP	20 05 11.7 +0.1
SUW	comp-Z, 1.44nm, 1.0s		
SUW	Suwali	58.90 319 eP	20 05 11.7 +0.1
THAS	comp-Z, 1.44nm, 1.0s		
BMR	Baia Mare	59.04 312 i/P	20 05 25.9 -0.8
BMR	Baia Mare	59.02 312 i/P	20 05 12.6 0.0
CJR	Cluj-Napoca	59.04 311 i/P	20 05 13.8 +1.0
CJR	Cluj-Napoca	59.04 311 i/P	20 05 13.8 +1.0
LOT	Lotru	59.04 309 i/P	20 05 12.4 -0.5
ARA0	ARCESS Array S	59.04 338 eP	20 05 13.6 +1.2
ARA0	ARCESS Array B	59.04 338 eP	20 05 28.1 +1.1
ARCES	ARCESS Array B	59.04 338 eP	20 05 13.6 +1.2
ARCES	comp-Z, 2.90nm, 0.9s, baz=107, slow=5.5, SNR=8.8		20 05 28.1 +1.1
ARCES	ARCESS Array B	59.04 338 eP	20 05 12.8 +0.4
ARCES	ARCESS Array B	59.04 338 eP	20 05 28.1 +1.1
SANT	Santorini	59.05 299 i/P	20 05 11.8 -1.2
SANT	Santorini	59.05 299 i/P	20 05 12.9 -0.1
PGB	Panagyurishte	59.09 306 eP	20 05 21.9 +8.7
NPS	Nepolis	59.12 297 P	20 05 24.9 -3.2
LAST	Lasithi	59.25 297 P	20 05 16.8 +2.3
MPEP	Malto Peshtene	59.30 307 eP	20 05 15.2 +0.6
KWP	Kalwaria Pacia	59.39 314 eP	20 05 15.4 +0.2
KWP	Kalwaria Pacia	59.39 314 eP	20 05 15.3 +0.2
KWP	Kalwaria Pacia	59.39 314 eP	20 05 15.3 +0.2
NVR	Nevrokopi	59.48 305 P	20 05 15.3 +0.2
WR1	Warramunga Arr	59.51 136 eP	20 05 15.8 -0.5
WR1	comp-Z, 1.96nm, 1.3s		20 35 05.7
WRA	Warramunga Arr	59.51 136 P	20 05 15.8 -0.5
WRA	comp-Z, 5.0nm, 0.7s, baz=323, slow=7.4, SNR=601		20 35 05.7
WRAB	comp-Z, 3.1nm, 1.1s, baz=114, slow=3.0, SNR=6.1		
WRAB	Tennant Creek	59.51 135 eP	20 05 15.6 -0.7
WRAB	comp-Z, 2.18nm, 1.3s		
WRAB	comp-Z, 5.67nm, 20.0s		
WRAB	Tennant Creek	59.51 135 eP	20 05 15.9 -0.4
WRAB	comp-Z, 1.19nm, 1.2s		
WB2	Warramunga Arr	59.52 136 eP	20 05 15.6 -0.7
HEF	Hetta	59.52 336 eP	20 05 16.7 +1.0
OUR	Ouranopolis	59.54 303 P	20 05 20.5 +4.3
MMB	Musomiste	59.54 305 eP	20 05 20.2 +3.9
PTL	Tarpa	59.62 312 i/P	20 05 16.9 +0.2
DRGR	DRGR	59.63 310 P	20 05 14.4 -0.0
DRGR	DRGR	59.63 311 i/P	20 05 16.9 +0.0
IDI	Anoyia	59.70 297 P	20 05 18.4 +0.7
IDI	Anoyia	59.70 297 i/P	20 05 17.1 -0.5
IDI	Anoyia	59.70 297 i/P	20 05 18.3 +0.7
UZH	Uzhgorod	59.74 313 eP	20 05 20.3 +2.8
KTK1	Kautokoine	59.76 337 eP	20 05 22.0 +4.7
VTS	Vitosha	59.78 306 i/P	20 05 17.4 -0.7
VTS	Vitosha	59.78 306 eP	20 05 18.0 -0.2
VTS	comp-Z, 5.4nm, 1.4s		
VTS	Vitosha	59.78 306 eP	20 05 17.4 -0.7
VTS	Vitosha	59.78 306 i/P	20 05 17.3 -0.8
VTS	Vitosha	59.78 306 i/P	20 05 17.4 -0.7
AOS	Alonissos	59.80 302 P	20 05 14.4 -3.7
PAIG	Paliouri	59.83 303 P	20 05 31.6 -1.3
HAMF	Hammerfest	59.85 339 eP	20 05 19.7 +1.8
PLG	Polygyros	59.84 303 P	20 05 31.5 -2.2
KKB	Krupnik	59.98 305 eP	20 05 23.2 +3.9
PTL	Penitei	60.00 301 P	20 05 21.9 +2.3
HERR	Herculeane	60.05 309 i/P	20 05 20.5 +0.7
KNT	Kendrikon	60.22 304 P	20 05 21.4 +0.4
VAM	Vamos	60.23 298 P	20 05 21.6 +0.5
CRVS	Cervenica-Dubn	60.27 313 eP	20 05 21.2 0.0
CRVS	comp-Z, 1.15nm, 0.9s		20 05 35.0
CRVS	Cervenica-Dubn	60.27 313 eP	20 05 21.2 0.0
CRVS	Cervenica-Dubn	60.27 313 eP	20 05 35.0 -0.8
IMMV	Iera Moni Meta	60.40 298 P	20 05 22.4 +0.2
VAY	Valandovo	60.44 310 P	20 05 36.7 -0.4
BZS	Buzias	60.52 310 i/P	20 05 23.9 +1.0
BZS	Buzias	60.52 310 i/P	20 05 23.9 +1.0
MDVR	Moldovita	60.56 309 i/P	20 05 23.5 +0.2
GRD	Didima	60.59 300 P	20 05 34.7 -3.5
DIG	Griva	60.63 304 P	20 05 22.5 -1.3
KIR	Klisarjari	60.63 304 P	20 05 21.4 +0.9
STIP	Stip	60.67 305 i/P	20 05 21.5 -2.5
KRND	Kranidit	60.68 300 P	20 05 31.3 +7.2
LODK	Lodwar	60.69 259 i/P	20 05 25.6 +0.9
LODK	comp-Z, 5.7nm, slow=9.3		20 05 29.6
LODK	Lodwar	60.69 259 i/P	20 05 40.6 +1.3
LODK	Lodwar	60.69 259 i/P	20 05 41.1 +1.9
LODK	Lodwar	60.69 259 i/P	20 05 25.5 +0.9
LODK	Lodwar	60.69 259 i/P	20 05 29.3
LODK	Lodwar	60.69 259 i/P	20 05 39.5 +0.2
LODK	Lodwar	60.69 259 i/P	20 05 40.6 +1.3
LIT	Litokhoron	60.70 303 eP	20 05 23.9 -0.4
LIT	Litokhoron	60.70 303 eP	20 05 23.9 -0.4
LIT	Litokhoron	60.70 303 eP	20 05 23.6 -0.7
LIT	Litokhoron	60.70 303 eP	20 05 23.9 -0.4
ANKY	Antikythira Is	60.86 298 P	20 05 25.0 -0.4
DSF	Desfina	60.97 301 P	20 05 37.9 -2.9
NIE	Niedzica	60.97 314 eP	20 05 26.1 +0.1
NIE	Niedzica	60.97 314 eP	20 05 26.1 +0.1
VLI	Veliai	60.98 299 P	20 05 27.4 +1.2
AGG	Agios Georgios	61.01 302 eP	20 05 25.7 -0.7
AGG	Agios Georgios	61.01 302 eP	20 05 25.1 -1.3
AGG	Agios Georgios	61.01 302 eP	20 05 25.7 -0.7
AGG	comp-Z, 1.32nm, 1.0s		
THL	Klokotos Trika	61.16 303 P	20 05 27.0 -0.3
KMBO	Kilima Mbogo	61.19 253 P	20 05 43.7 +0.8
KMBO	Kilima Mbogo	61.19 253 PFAKE	20 05 40.0 +1.2
KMBO	Kilima Mbogo	61.19 253 LR	20 05 40.0 +1.2
GUR	Gour	61.20 301 P	20 05 29.2 +1.4
KZN	Kozani	61.21 304 P	20 05 39.8 +1.2
OJC	Ojcow	61.21 315 eP	20 05 28.1 +0.6
OJC	comp-Z, 2.26nm, 0.9s		
OJC	Ojcow	61.21 315 eP	20 05 28.1 +0.6

OJC	comp-Z, 2.26nm, 0.9s		
VLX	Vlachokerasia	61.28 300 P	20 05 27.4 -1.0
KLV	Kalavryta, Ach	61.33 301 P	20 05 26.2 -2.5
TRV	Tromso	61.34 337 eP	20 05 28.7 +0.6
ANV	Anavara	61.41 302 P	20 05 28.9 -0.4
PSZ	Piszkesteto	61.41 312 i/P	20 05 30.2 +1.2
PSZ	Piszkesteto	61.41 312 i/P	20 05 28.9 -0.2
PSZ	comp-Z, 2.4nm, 1.1s		
PSZ	Piszkesteto	61.41 312 i/P	20 05 30.2 +1.2
FNA	Florina	61.42 304 P	20 05 28.2 -1.0
FNA	comp-Z, 2.1nm, 1.0s		
FNA	Florina	61.42 304 P	20 05 29.9 +0.7
FNA	Florina	61.42 304 eP	20 05 28.2 -1.0
LAKA	Lakka	61.43 301 P	20 05 41.6 -2.3
EVR	Evrytania	61.43 302 P	20 05 31.7 +2.3
DYR	Agios Nikonas	61.44 300 P	20 05 29.1 -0.3
EPF	Efpalio	61.45 301 P	20 05 42.4 -1.6
LANS	Liptovska Anna	61.54 314 P	20 05 43.9 -0.6
LOENS	Liptovska Anna	61.54 314 eP	20 05 43.9 -0.6
COEN	Coen	61.56 124 eP	20 05 29.5 -0.8
KPRO	Kippourio	61.58 303 P	20 05 42.8 -2.1
ITM	Ithomi	61.68 300 eP	20 05 30.0 -1.0
ITM	comp-Z, 2.80nm, 1.9s		
ITM	Ithomi	61.68 300 P	20 05 43.9 -1.7
DRO	Drossia	61.69 301 P	20 05 44.9 -0.8
PYL	Pyllos	61.88 300 P	20 05 30.7 -1.6
DIVS	Dibirbas	61.88 308 eP	20 05 31.6 -0.7
PMG	Port Moresby	61.92 117 P	20 05 31.8 -1.0
PMG	comp-Z, 5.6nm, 0.8s, baz=332, slow=5.5, SNR=20		
DSL	Palaios Diesel	61.93 302 P	20 05 32.4 -0.3
NWAO	Narrogin (SRO)	61.98 158 P	20 05 31.5 -1.3
NWAO	comp-Z, 1.5nm, 0.6s, baz=176, slow=5.1, SNR=17		
NWAO	Narrogin (SRO)	61.98 158 eP	20 05 31.6 -1.3
NWAO	Narrogin (SRO)	61.98 158 eP	20 05 31.8 -1.0
NWAO	Narrogin (SRO)	61.98 158 eP	20 05 32.0 -0.8
AS31	Alice Springs	62.02 139 eP	20 05 32.8 -0.5
ASAR	Alice Springs	62.02 139 P	20 05 33.0 -0.3
ASAR	comp-Z, 5.1nm, 0.8s, baz=320, slow=6.9, SNR=524		
ASAR	Alice Springs	62.02 139 P	20 34 51.5
ASAR	comp-Z, 0.7nm, 0.8s, baz=103, slow=2.9, SNR=4.3		
ASAR	comp-Z, 2.25nm, 19.0s, baz=319, slow=40		20 36 09.2
VYHS	Vyhne	62.04 313 eP	20 05 33.1 -0.1
VYHS	Vyhne	62.04 313 eP	20 05 46.5
VYHS	comp-Z, 1.2nm, 1.0s		
VYHS	Vyhne	62.04 313 eP	20 05 33.1 -0.1
VYHS	Vyhne	62.04 313 eP	20 05 46.5 -1.3
AKO	Alice Springs	62.05 139 eP	20 05 32.3 -1.2
OSK	Ostrava-Krasne	62.31 315 eP	20 05 48.6 -1.0
PKG	comp-Z, 3.00nm, 18.2s		20 35 10.0
PDG	Podgorica	62.70 306 i/P	20 05 36.8 -0.9
TTG	Podgorica	62.70 306 eP	20 05 36.7 -0.9
TTG	Podgorica	62.70 306 eP	20 05 36.7 -0.9
TTG	comp-Z, 5.1nm, 1.0s		
MORC	Moravsky Berou	62.71 315 i/P	20 05 38.7 +1.0
MORC	Moravsky Berou	62.71 315 eP	20 05 37.8 +0.1
MORC	Moravsky Berou	62.71 315 eP	20 05 37.8 +0.1
MORC	Moravsky Berou	62.71 315 eP	20 05 37.8 +0.1
MORC	comp-Z, 2.5nm, 0.9s		
MORC	Moravsky Berou	62.71 315 eP	20 05 38.0 +0.3
JAVC	Velka Javorina	62.76 314 eP	20 05 39.2 +1.2
SPAO	Spitsbergen Ar	62.83 347 eP	20 05 36.6 -1.3
SPAO	Spitsbergen Ar	62.83 347 eP	20 05 30.0 -8.0
SPITS	Spitsbergen Ar	62.83 347 LR	20 37 32.6
MODS	Modra-Piesok	63.09 313 eP	20 05 39.6 -0.6
MODS	comp-Z, 1.96nm, 1.3s		20 05 52.6
MODS	Modra-Piesok	63.09 313 eP	20 05 39.6 -0.6
MODS	Modra-Piesok	63.09 313 eP	20 05 52.6 -2.3
KRLC	Kraliky	63.16 315 eP	20 05 46.2 +5.6
KRLC	Kraliky	63.16 315 eP	20 05 46.2 +5.6
LOF	Lofoten	63.26 336 eP	20 05 40.6 -0.3
VRAN	Vranov	63.39 314 P	20 05 42.7 +0.6
VRAC	comp-Z, 1.6nm, 1.1s, baz=84, slow=6.7, SNR=9.9		
VRAC	comp-Z, 3.8nm, 0.9s, baz=103, slow=8.6, SNR=15		20 05 56.0 -0.9
VRAC	Vranov	63.39 314 i/P	20 05 43.0 +0.9
VRAC	Vranov	63.39 314 i/P	20 05 42.7 +0.6
DPC	Dobruska-Polom	63.41 315 eP	20 05 52.1 +1.0
DPC	Dobruska-Polom	63.41 315 eP	20 14 11.1 +2.0
DPC	Dobruska-Polom	63.41 315 eP	20 35 50.0
OPO	Ambohitrampopo	63.43 231 P	20 05 43.9 +1.0
OPO	comp-Z, 1.8nm, 0.8s, baz=47, slow=8.8, SNR=19		
OPO	Ambohitrampopo	63.43 231 P	20 31 41.1
KRUC	Moravsky	63.56 314 eP	20 05 43.6 +0.4
UPC	Upice	63.58 316 eP	20 14 33.7 +2.1
UPC	comp-Z, 4.00nm, 24.0s		20 36 30.0
ABPO	Ambohimanpon	63.70 231 eP	20 05 45.2 +0.4
ABPO	comp-Z, 1.9nm, 0.9s		
ABPO	Ambohimanpon	63.70 231 eP	20 05 45.2 +0.4
HFS	Hagfors	63.71 327 P	20 05 44.4 +0.4
HFS	comp-Z, 1.2nm, 0.7s, baz=102, slow=6.2, SNR=35		
HFS	comp-Z, 5.8nm, 0.8s, baz=104, slow=6.3, SNR=14		20 05 58.7 -0.1
BLY	Banja Luka	63.75 309 i/P	20 05 45.1 +0.5
BLY	Banja Luka	63.75 309 eP	20 05 43.3 -1.3
KBS	Kingsbay	63.76 348 PFAKE	20 06 00.0 +1.6
KBS	comp-Z, 3.53nm, 21.0s		

14d 19h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like RDOG Red Dog Mine, KEST Kesra, THTN Thala, HNR Honiara, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like MTE Tana Glacier, TGL Tana Glacier, PCBR Castelo Branco, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like ECSD EROS Data Cent, JFWS Jewell Farm, BINY Binghamton, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other data. Includes stations like AKBB Malin Array Si, KIEV Klev, AK11 Malin Array Si, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other data. Includes stations like CLLL Colim, KHC Kasperske Hory, GEC2 GERESS Array S, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other data. Includes stations like IDC 14:20:39.23.0.9, ISCBJ 14:20:39.26.8.0.4, NEIC 14:20:39.30.5.1.3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Meulaboh, Gunungsitoli, Kotacane, Pulau Batu, Tuntungan, Prapat, Mandailing Nat, Kerinci, Palkaleke, Palk, Chiang Mai Arr, Makanchi Array, WRA, SONM, ASAR, KURBB, ZALV, TXAR.

3.4nm,0.6s,baz=350,slow=6.1,SNR=6.3

NNC 14 21:05:25.0-1.8,36.83N;70.60E,h123km,40km,mb3.0, mpv3.7, 10C-4D, Error ellipse: s-maj=17.6km s-min=14.1km az=77.0, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Sfk, Sfk, MNAS, KK31, AAK, TKM2, AB31, AKTO.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM, DZM, CTA, STKA, ASAR, WRA, FITZ, CMAR, PDAR, GERES.

IDC 14 21:18:31.25.4.1.5.10N;93.96E,h0km,mb3.3/3, mb1 3.4/4, mb1mx3.1/76, mbtmp3.2/4, ML3.2/1, Error ellipse: s-maj=48.2km s-min=29.6km az=60.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SHL, CMAR, MKAR, WRA, ASAR.

ISCJB 14 20:48:54.4-1.5,15.00N;0.03;119.49E;0.07,h1km,9km, mb3.8/5, MS3.3/1, Error ellipse: s-maj=12.1km s-min=5.3km az=177.3

ISCJB 14 21:07:31.8-1.0,35.44N;0.05;141.2E;0.1,h35km, mb3.5/5, Error ellipse: s-maj=13.6km s-min=6.2km az=162.6

IDC 14 21:18:31.25.4.1.5.10N;93.96E,h0km,mb3.3/3, mb1 3.4/4, mb1mx3.1/76, mbtmp3.2/4, ML3.2/1, Error ellipse: s-maj=48.2km s-min=29.6km az=60.0

MAN 14 20:48:56.9, 15.01N;119.70E,h12km,mb4.9,ML3.8, MS3.8

JMA 14 21:07:31.6-0.2,35.46N;141.22E,h33km,2km, M3.0 IDC 14 21:07:38.5-1.2,34.49N;138.22E,h0km,mb3.5/5, mb1 3.6/5, mb1mx3.4/68, mbtmp3.5/5, ML2.6/1, Error ellipse: s-maj=42.8km s-min=18.3km az=65.0

ISC 14 21:07:33.1-1.4,35.46N;0.06;141.2E;0.1,h35km,n22, s=179.20,mb3.5/5, Near east coast of eastern Honshu

ISC 14 20:48:56.7-1.6,15.04N;0.03;119.62E;0.08,h13km,10km, n16,c175/25,mb3.7/5,Luzon

ISC 14 21:07:33.1-1.4,35.46N;0.06;141.2E;0.1,h35km,n22, s=179.20,mb3.5/5, Near east coast of eastern Honshu

ISCJB 14 21:24:57.2-0.2,63.03N;0.02;149.80W;0.05,h97km,3km, mb3.8/8, Error ellipse: s-maj=3.6km s-min=3.3km az=162.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SCZP, BOLP, LUBP, TGAY, BAER, ABRA, CAUP, SAMP, BUSB, APYV, WRA, ASAR, PETK, KURBB, FINES, HAFROS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CHOU, CHOU, JIHU, KTR, Boso, JCN, BS04, BSO3, JYT, HSOJ, JHJ, MJAR, MJAR, MAT, MAT, H112, H111, H113, H115, H116, H117, H118, H119, ZALV, MKAR, KURBB, WRA, ASAR.

NEIC 14 21:24:58.3-0.0,63.04N;149.84W,h89km,ML3.5(AEIC), IDZ 14 21:25:00.5-4.1,63.26N;149.66W,h99km,32km,mb3.5/8, mb1 3.9/10, mb1mx3.2/71, mbtmp3.8/10, Error ellipse: s-maj=39.3km s-min=20.1km az=37.0

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

MAN 14 20:56:49.0,5.58N;126.77E,h71km,mb4.9,ML3.8,MS3.8 IDC 14 20:56:54.2-1.5,61.5N;126.84E,h0km,mb3.3/5, mb1 3.5/5, mb1mx3.3/56, mbtmp3.3/5, Error ellipse: s-maj=69.6km s-min=15.6km az=61.0

ISC 14 21:07:38.7-0.5,31.51S;0.03;69.35W;0.04,h119km,6km, Error ellipse: s-maj=5.8km s-min=4.3km az=19.4

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 20:56:55.3-2.2,5.91N;126.73E;0.08,h9km,13km, n11,c279/16,mb3.4/5,1C-ID,Mindanao

ISC 14 21:07:38.7-0.5,31.51S;0.03;69.35W;0.04,h119km,6km, Error ellipse: s-maj=5.8km s-min=4.3km az=19.4

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MATI, DAV, DAV, DAV, GSPH, DMHP, SKMP, BUKP, FITZ, WRA, ASAR, MKAR, KURBB.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RTLS, ZON, AUN, AROD, ARCO, AAGR, GO04, TLL, FCH, PEL, ACAN, ROCH, ROCI, CLCH, AGUA, NVAR, TXAR, SEY, PDAR, BRTR, GERES, DAVOX.

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

IDC 14 21:02:20.4-1.9,16.82S;174.65W,h222km,13km, mb3.5/11, mb1 3.8/12, mb1mx3.4/52, mbtmp3.4/12, Error ellipse: s-maj=58.1km s-min=10.4km az=147.0

ISC 14 21:07:38.7-0.5,31.51S;0.03;69.35W;0.04,h119km,6km, Error ellipse: s-maj=5.8km s-min=4.3km az=19.4

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:02:18.0-1.3,17.0S;0.04;174.7W;0.3,h200km,n15, c150/16,mb3.7/11,Tonga Islands

ISC 14 21:07:38.7-0.5,31.51S;0.03;69.35W;0.04,h119km,6km, Error ellipse: s-maj=5.8km s-min=4.3km az=19.4

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AFI, CTA, STKA, WRA, ASAR, FITZ, YBH, NVAR, TXAR, SEY, PDAR, BRTR, GERES, DAVOX.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TLL, FCH, PEL, ACAN, ROCH, ROCI, CLCH, AGUA, NVAR, TXAR, SEY, PDAR, BRTR, GERES, DAVOX.

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

ISC 14 21:24:58.5-0.7,63.01N;0.03;149.86W;0.03,h93km,5km, n90,c110/105,mb3.9/8,Central Alaska

Table with columns: TXAR, Lajitas Array, 44.80 117 P, P, 21 33 04.1 +1.2, etc.

DDA 14 21:45:51.6, 37.05N, 28.53E, h7km, M2.5, Suspected Mining explosion.

ISC/JB 14 21:45:52.7, 0.6, 37.08N, 0.03, 28.58E, 0.05, h0km, Error ellipse: s-maj=6.0km s-min=4.3km az=149.6

CSEM 14 21:45:52.9, 0.3, 37.10N, 28.59E, h1km, ML1.8, Error ellipse: s-maj=8.8km s-min=6.0km az=63.0, Suspected Mining explosion.

ISK 14 21:45:51.9, 0.9, 37.12N, 0.03, 28.65E, 0.04, h0km, n19, c055/29, Turkey

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

IDC 14 21:46:21.0, 0.8, 5.43N, 126.71E, h0km, mb3.8/9, mb1 4.0/9, mb1mx3.6/57, mbtmp3.8/9, Error ellipse: s-maj=58.8km s-min=15.5km az=71.0

MAN 14 21:46:22.9, 4.71N, 126.71E, h9km, mb5.2, ML4.2, MS4.3

ISC 14 21:46:23.0, 0.9, 4.72N, 0.07, 126.4E, 0.1, h10km, n14, c371/17, mb3.8/9, 1C-1D, Talud Islands

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

DDA 14 21:48:37.0, 36.63N, 42.77E, h7km, M2.7

CSEM 14 21:48:37.9, 0.3, 36.63N, 42.80E, h5km, ML2.7, Error ellipse: s-maj=6.4km s-min=5.3km az=64.0

ISC 14 21:48:38.8, 0.3, 36.72N, 42.83E, h26km, ML2.7

ISC 14 21:48:38.8, 36.73N, 42.86E, h20km, ML2.6/1

ISC 14 21:48:38.7, 1.3, 36.70N, 0.05, 126.42E, 0.03, h18km, 7km, n24, c0556/40, Iraq

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

NIED 14 22:08:00, 45.80N, 151.60E, h14km, Mw3.6 Best double couple: M3.02000, 1014, NP1, 341, 000000, 837, 000000, 18.000000, NP2, 245, 000000, 885, 000000, 126, 000000.

Table with columns: JMA 14 22:08:40.7, 0.8, 45.84N, 151.61E, h30km, M3.8, Kuril Islands

IDC 14 22:10:57.4, 5.5, 5.86S, 146.39E, h101km, 58km, mb3.5/3, mb1 3.6/5, mb1mx3.2/46, mbtmp3.8/5, MS3.7/1, Ms1 3.7/1, ms1mx2.5/29, Error ellipse: s-maj=45.2km s-min=36.3km az=146.0, Eastern New Guinea region

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

ROM 14 22:29:23.9, 0.2, 44.927N, 0.005, 10.931E, 0.008, h7km, ML3.0/40

ISC/JB 14 22:29:26.4, 0.2, 44.97N, 0.01, 10.92E, 0.02, h13km, 1km, Error ellipse: s-maj=2.2km s-min=1.8km az=38.1

BRU 14 22:29:27.9, 44.771N, 11.16E, h32km

PRG 14 22:29:27.7, 0.5, 44.87N, 10.88E, h10km, ML3.2/6, Error ellipse: s-maj=8.9km s-min=6.7km az=26.0

CSEM 14 22:29:27.1, 0.1, 44.96N, 10.95E, h10km, ML3.1/24, Error ellipse: s-maj=3.1km s-min=2.2km az=166.0

LDG 14 22:29:28.2, 0.3, 44.92N, 11.00E, h2km, M3.2/25, Error ellipse: s-maj=7.7km s-min=4.1km az=95.0

ISC 14 22:29:26.6, 0.8, 44.94N, 0.01, 10.92E, 0.01, h7km, 6km, n234, c114/323, 3C-4D, Northern Italy

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

GAZZ GAZZO Veronese 0.21 36j ePg Pg 22 29 32.4 +1.5

GAZZ GAZZO Mantova 0.23 37 F P 22 29 32.4 +1.5

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

T0800 Massa Finalese 0.25 111 P Pg 22 29 31.8 +0.2

T0800 Massa Finalese 0.25 111 S Sg 22 29 31.7 +2.3

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

SERM Sermede 0.28 75 P Pb 22 29 33.1 -0.8

Table with columns: SERM, comp=E, 2910um, 0.7s, AML, AML, etc.

Table with columns: MODE, Modena 0.31 176 P Pg 22 29 32.9 +0.2

T0822 Casumaruru (Bond) 0.32 109 P Pg 22 29 33.1 +0.2

T0822 Casumaruru (Bond) 0.32 109 S Sb 22 29 33.6 -0.5

T0822 Minerbio Fiu 0.51 126 P Pb 22 29 37.5 -0.3

ZCCA Zocca 0.59 176 eP Pb 22 29 39.2 -0.1

ZCCA Zocca 0.59 176 eP Pb 22 29 39.2 -0.1

ZCCA Zocca 0.59 176 eP Pb 22 29 39.2 -0.1

ZCCA Zocca 0.59 176 eP Pb 22 29 39.2 -0.1

ZCCA Zocca 0.59 176 eP Pb 22 29 39.2 -0.1

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ZCCA Zocca 0.59 176 eP Pb 22 29 39.2 -0.1

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Chile, CCHI, NIPO, Los Niches, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like V48A, WVT, W39A, etc.

Station location and identification notes: SJA 14 22:34:35.7, 0.6, 36:57S; 71:13W, h33km, ML4.6, MW4.5; ISCJB 14 22:34:38.0, 0.2, 36:13S; 0:03, 70:93W; 0.04, h10km, mB4, 7/6A, MS3.9/17, Error ellipse: s-maj=4.7km, m-min=3.6km az=9.0

Table with columns: LZH, comp-Z, PKPab, LR, 22 56 28.5 -0.2

NIED 14 22:54:00.33'10N-139°50'E, h145km, Mw3.9 Best double couple: M=7.03000x10^14 NP1=258.00000, 835.00000, 1.55.00000... NP2=18.00000, 862.00000, 1.11.00000

ISCJB 14 22:54:49.8 0.5, 32°99'N, 0°05'139°56'E, 0.07, h186km, 3km, mb3.5/7, Error ellipse: s-maj=9.7km s-min=7.6km az=151.0

IDC 14 22:54:50.7 0.5, 32°88'N-139°33'E, h170km, 6km, mb3.3/7, mb1 3.4/1.1, mb1mx3.2/6.6, mbtmp3.7/1.1, Error ellipse: s-maj=27.6km s-min=12.8km az=75.0

JMA 14 22:54:51.0 0.2, 33°07'N-139°55'E, h184km, 2km, M3.6

ISC 14 22:54:50.6 0.8, 32°93'N-139°55'E, h179km, 6km, n34, c1918/39, mb3.57, Southeast of Honshu

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

ISCJB 14 22:59:28.7 0.5, 33°31'N-103°35'34E, 0.05, h12km, 6km, Error ellipse: s-maj=7.4km s-min=3.0km az=32.2

GIL 14 22:59:28.4 0.2, 33°30'N-35°36'E, h3km, MD1.5/3

GRAL 14 22:59:29.8 0.3, 33°31'N-35°34'E, h3km, 84M, MD2.6

CS2E 14 22:59:29.9, 33°31'N-35°34'E, h3km, ML2.6

ISC 14 22:59:28.7 0.5, 33°34'N-103°35'34E, 0.04, h14km, 8km, n24, c040/39, Jordan-Syria region

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

ISCJB 14 23:14:40.0 0.3, 51°48'N-102°16'21E, 0.03, h0km, Error ellipse: s-maj=2.7km s-min=2.2km az=157.9

CSEM 14 23:14:40.0 0.1, 51°46'N-16°17'E, h2km, ML3.4/9, Mw2.6, Error ellipse: s-maj=3.6km s-min=2.4km az=94

IDC 14 23:14:43.0 0.5, 51°42'N-16°21'E, h0km, mb1 3.3/6, mb1mx3.1/6.2, mbtmp3.2/6, ML2.9/6, Error ellipse: s-maj=14.9km s-min=6.8km az=101.0

PRU 14 23:14:43.5, 51°43'N-16°17'E, h0km

VIE 14 23:14:45.2 1.0, 51°25'N-16°30'E, h0km, mb2.4/6, ml2.8/7, Error ellipse: s-maj=10.4km s-min=7.6km az=44.0 52 km WNW of Wrocław Suspected Mining induced.

UPP 14 23:14:46.3 0.0, 51°69'N-15°7'E, h2km, ML1.7

WAR 14 23:14:47.9, 51°02'N-15°80'E, h1km, Mw2.6

ISC 14 23:14:41.0 0.6, 51°52'N-103°16'20E, 0.02, h0km, n79, c144/136, Poland

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

Table with columns: UPC, Upice, 1.02 187, P, Pg, 23 15 00.8 +0.2

Table with columns: DPC, Dobruska-Polom, 1.17 176, eP, Pg, 23 15 03.7 +0.1

Table with columns: PVCC, Panska Fe, 1.43 227, eP, Pg, 23 15 09.1 +0.5

Table with columns: KRKL, Krailky, 1.49 165, eP, Pg, 23 15 08.6 -0.6

Table with columns: BRG, Bergshusselub, 1.56 246, P, Pg, 23 15 10.2 +0.1

Table with columns: PRU, Prague, 1.83 218, eP, Pg, 23 15 14.2 +0.4

Table with columns: MORC, Moravsky Berou, 1.94 153, eP, Pg, 23 15 15.2 -0.2

Table with columns: OKC, Ostrava-Krasne, 2.09 143, eP, Pg, 23 15 17.3 -0.1

Table with columns: VRAC, Vranov, 2.23 173, P, Pg, 23 15 23.3 -0.4

Table with columns: KRUC, Moravsky, 2.46 177, eP, Pg, 23 15 23.5 +1.0

Table with columns: OJC, Ojcow, 2.62 118, eP, Pg, 23 15 30.9 -0.5

Table with columns: NKC, Novy Kostel, 2.70 243, eP, Pg, 23 15 27.0 +1.2

Table with columns: LANS, Liptovsky Anna, 3.16 137, eP, Pg, 23 15 32.5 +0.3

Table with columns: MODS, Modra-Piesok, 3.23 167, eP, Pg, 23 16 23.7 -0.9

Table with columns: NIE, Niedzica, 3.36 127, eP, Pg, 23 15 44.4 -1.1

Table with columns: MOA, Molin, 3.88 200, P, Pg, 23 15 42.8 +0.8

Table with columns: ARSA, Arzberg, 4.30 186, eP, Pg, 23 15 48.8 +1.1

Table with columns: BLEU, Blekinge, 4.80 357, P, Pg, 23 15 56.0 +1.5

Table with columns: WATA, Walderalm, 5.16 218, P, Pg, 23 16 02.8 +3.1

Table with columns: RETA, Reutte, 5.37 223, P, Pg, 23 16 03.1 +0.6

Table with columns: VXXU, Vaexsjö, 5.46 353, P, Pg, 23 16 05.1 +1.4

Table with columns: BORU, Borås, 6.44 343, P, Pg, 23 16 18.9 +1.8

Table with columns: LNKU, Linköping, 6.73 357, P, Pg, 23 16 23.2 +1.2

Table with columns: LNKU, Falk, 6.81 349, P, S, 23 17 35.2 -3.2

Table with columns: FINES, FINES Array B, 11.33 25, Pn, S, 23 17 23.9 -0.1

Table with columns: CSEM, 14 23:19:55.0 0.2, 67°83'N-20°26'E, h2km, ML1.7, Mining explosion.

Table with columns: UPP, 14 23:19:55.7 0.1, 67°82'N-20°21'E, h0km, ML1.7

Table with columns: HEL, 14 23:19:56.4 0.1, 67°83'N-20°23'E, h0km, ML1.6, ML1.7(UPP), Explosion, Sweden

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

Table with columns: KUA, Kurravaara, 0.14 18, Op, S, 23 20 08.0 +1.4

Table with columns: HEF, Hetta, 1.41 64, eP, Pg, 23 20 39.5 -1.5

Table with columns: ERTU, Ertisaerv, 1.49 148, P, Pg, 23 20 22.8 -1.6

Table with columns: HARU, Harads, 1.70 170, P, Pg, 23 20 26.4 -0.8

Table with columns: KALU, Kalix, 2.33 146, eP, Pg, 23 20 36.2 +0.3

Table with columns: TOF, Tornio, 2.38 136, eP, Pg, 23 21 06.9 -0.3

Table with columns: SGF, Sodankyl, 2.44 96, eP, Pg, 23 20 38.8 +1.3

Table with columns: SGF, Sodankyl, 2.44 96, eP, Pg, 23 21 13.1 +1.4

Table with columns: RNF, Rovaniemi, 2.56 116, eP, Pg, 23 20 40.1 +1.0

Table with columns: RNF, Rovaniemi, 2.56 116, eP, Pg, 23 20 41.3 -1.4

Table with columns: CSEM, 14 23:19:59.0 0.3, 67°89'N-20°9'E, h1km, ML1.7, Error ellipse: s-maj=14.3km s-min=6.8km az=26.0, Mining explosion.

Table with columns: UPP, 14 23:20:03.0 0.1, 67°83'N-20°18'E, h0km, ML1.7, Sweden

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

Table with columns: KUA, Kurravaara, 0.14 26, Op, S, 23 20 06.6 +0.3

Table with columns: IDC, 14 23:34:12.5 0.8, 59°32'S-26°01'W, h65km, 73km, mb3.6/5, mb1 3.8/6, mb1mx3.6/3.4, mbtmp4.0/6, ML4.6/1, Error ellipse: s-maj=42.0km s-min=24.4km az=75.0

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

Table with columns: VNA1, Neumayer-Stat, 13.41 154, Op, S, 23 37 20.0 +2.5

Table with columns: VNA3, Neumayer Olymp, 13.58 157, P, S, 23 37 21.7 +1.9

Table with columns: SNA3, Sanae, 15.39 152, P, S, 23 37 37.9 -1.1

Table with columns: SNA4, Sanae, 15.39 152, P, S, 23 37 46.4 +2.4

Table with columns: SNA5, Sanae, 15.39 152, P, S, 23 37 46.6 +2.6

Table with columns: QSPA, South Pole Qui, 30.83 180, P, S, 23 40 20.0 -1.3

Table with columns: VNA4, Vanda, 43.24 182, P, S, 23 42 07.3 +0.7

Table with columns: H10S2, ASCENSION HYDR51.05, 14 T, T, 00 37 43.8

Table with columns: H10S3, ASCENSION HYDR51.05, 14 T, T, 00 37 43.9

Table with columns: H10S1, ASCENSION HYDR51.07, 14 T, T, 00 37 45.0

Table with columns: H10N1, ASCENSION HYDR52.17, 14 T, T, 00 39 09.7

Table with columns: H10N3, ASCENSION HYDR52.17, 14 T, T, 00 39 09.7

Table with columns: H10N2, ASCENSION HYDR52.18, 14 T, T, 00 39 09.7

Table with columns: LPZA, La Paz, 52.94 306, P, S, 23 43 21.4 -1.5

Table with columns: TORD, Torodi Ar. Bea, 75.66 28, P, S, 23 45 50.2 -0.6

Table with columns: TORD, Torodi Ar. Bea, 75.66 28, P, S, 23 45 50.2 -0.6

Table with columns: ASAR, Alice Springs, 95.56 161, P, S, 23 47 29.6 -1.3

Table with columns: ARCES, ARCES Array B, 133.79 22, PKP, P, 23 53 20.2 -0.5

Table with columns: SONM, Sona Array, 150.06 91, PKPbc, PKPbc, 23 53 54.8 -0.6

Table with columns: SONM, Sona Array, 150.06 91, PKPbc, PKPbc, 23 54 13.5 -0.3

Table with columns: ISCJB, 14 23:52:09.0 0.7, 6°16'S-105°38'E, 0.04, h18km, 7km, mb3.8/6, Error ellipse: s-maj=10.7km s-min=4.3km az=38.6

Table with columns: DJA, 14 23:52:09.6 0.3, 6°S-3°10'E, h10km, M3.6/10, ML3.6/10

Table with columns: IDC, 14 23:52:16.4 0.5, 5.2°S-105°35'E, h84km, 44km, mb3.5/6, mb1 3.7/7, mb1mx3.3/6.1, mbtmp3.8/7, ML3.8/1, M3.5/2.1, M3.1 3.2/1, ms1mx2.6/4.5, Error ellipse: s-maj=93.3km s-min=18.8km az=47.0

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

Table with columns: BORU, Borås, 6.44 343, P, Pg, 23 16 18.9 +1.8

Table with columns: BORU, Borås, 6.44 343, P, Pg, 23 16 18.9 +1.8

Table with columns: LNKU, Linköping, 6.73 357, P, Pg, 23 16 23.2 +1.2

Table with columns: LNKU, Linköping, 6.73 357, P, Pg, 23 16 23.2 +1.2

Table with columns: Code, Station Name, Azimuth, Elevation, Op, P, Time, Res. Includes stations like Susitna One, Skwentna, Rabbit Creek A, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, P, Time, Res. Includes stations like AKTO Aktyubinsk, ABKAR Akbulak array, KK31 Karatay array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, P, Time, Res. Includes stations like BCAA Beaver Creek A, YUKT White River, PRP Porcupine Dome, etc.

TIPB	baz=327	S	Sn	02 11 22.2	-0.1	
NWLT	Wulai baz=309	1.17 312	P	Pb	02 11 08.6	0.0
NWLT	baz=309	S	Sb	02 11 24.1	+0.7	
CHGB	Renai baz=270	1.18 273	eP	Pn	02 11 08.2	-0.3
CHGB	baz=270	S	Sb	02 11 24.2	+0.4	
YHNB	Yeheng baz=289	1.19 304	P	Pb	02 11 08.8	-0.3
YHNB	baz=289	S	Sb	02 11 24.3	+0.2	
IRIF	Iriomote-Funau	1.21 74	P	Pb	02 11 09.3	0.0
IRIF	baz=289	S	Sb	02 11 24.7	+0.2	
NSK	Sanguang baz=289	1.21 304	P	Pn	02 11 08.9	+0.2
NSK	baz=289	eS	Sb	02 11 25.9	+1.3	
TDCB	Techi baz=266	1.22 282	eP	Pn	02 11 08.2	-0.7
TDCB	baz=266	S	Sb	02 11 25.5	+0.6	
YULB	Yu-Ii baz=226	1.23 241	P	Pn	02 11 08.5	-0.4
YULB	baz=226	S	Sn	02 11 23.9	-0.8	
HATJ	Hateruma jima	1.23 87	eS	Pb	02 11 25.8	+0.7
NWF	Wu-fen Shan baz=328	1.23 330	eP	Pn	02 11 08.7	-0.3
NWF	baz=328	S	Sb	02 11 26.3	+0.0	
WFSB	Wu-fen Shan baz=328	1.23 330	eP	Pn	02 11 08.6	-0.4
WFSB	baz=328	S	Sb	02 11 25.5	+0.2	
TWF1	Yuli baz=236	1.25 239	P	Pn	02 11 09.0	-0.1
TWF1	baz=236	iS	Sn	02 11 25.4	+0.2	
FULB	Fuli baz=219	1.33 234	eP	Pn	02 11 09.6	-0.8
FULB	baz=219	S	Sn	02 11 27.5	+0.1	
WLTB	Dadi baz=293	1.39 308	eS	Sb	02 11 30.0	+0.2
SSLB	Suanguang baz=259	1.39 262	P	Pn	02 11 12.0	+0.8
SSLB	baz=259	eS	Sn	02 11 28.6	-0.4	
YM07	YM07 baz=325	1.40 327	eP	Pb	02 11 12.2	-0.4
YM07	baz=325	eS	Sb	02 11 29.5	-0.5	
YM04	YM04 baz=322	1.42 324	eS	Sb	02 11 30.1	-0.6
SMLT	Sun Moon Lake baz=263	1.43 266	eP	Pb	02 11 13.1	-0.1
SMLT	baz=263	eS	Sb	02 11 31.2	+0.2	
JKRS	Kuro-shima	1.44 80	P	Pb	02 11 12.9	-0.3
JKRS	baz=294	eS	Sb	02 11 31.8	+0.8	
LIOB	Emei baz=294	1.47 296	eP	Pb	02 11 13.7	0.0
LIOB	baz=294	eS	Sb	02 11 32.3	+0.3	
TYC	Yuchr baz=264	1.47 267	eP	Pn	02 11 13.1	+0.8
TYC	baz=264	eS	Sn	02 11 31.3	+0.6	
YUS	Yu-Shan baz=247	1.47 250	eP	Pn	02 11 12.2	-0.5
YUS	baz=247	S	Sn	02 11 31.1	-0.4	
JJJ	Ishigaki jima	1.58 76	P	Pn	02 11 13.9	+0.2
JJJ	baz=251	S	Sn	02 11 33.2	-0.3	
ALS	Alishan baz=250	1.59 253	eP	Pb	02 11 15.6	-0.5
ALS	baz=250	S	Sb	02 11 35.4	-0.5	
WJS	Zhushan baz=261	1.59 264	eS	Sb	02 11 36.9	+1.3
WNT	Mingjian baz=263	1.63 266	eS	Sb	02 11 37.5	+0.8
PTSB	Yuanli baz=283	1.66 286	eS	Sb	02 11 38.4	+0.7
CHNS	Tsauling baz=243	1.68 257	eP	Pb	02 11 17.2	-0.3
CHNS	baz=243	eS	Sb	02 11 37.8	-0.4	
TWGBT	Beinan baz=237	1.73 227	eP	Pn	02 11 15.9	+0.1
TWGBT	baz=237	eS	Sn	02 11 37.5	+0.3	
JWSG	Pinlang baz=237	1.73 228	eS	Sn	02 11 35.8	-1.4
JWSG	baz=237	P	Pn	02 11 16.6	0.0	
JISG	Ishigakijimahi	1.79 71	P	Pn	02 11 38.6	0.0
JISG	baz=243	S	Pb	02 11 18.4	-0.7	
WDLH	Douliu baz=258	1.79 260	eP	Pb	02 11 40.8	-0.3
WDLH	baz=258	eS	Sb	02 11 40.8	-0.3	
TPUB	Ta-pu baz=245	1.82 248	eP	Pn	02 11 18.6	+1.6
TPUB	baz=245	S	Sb	02 11 41.7	-0.4	
CHN4	Tsaushan baz=247	1.83 250	eP	Pb	02 11 19.6	-0.3
CHN4	baz=247	S	Sb	02 11 42.4	0.0	
WTP	Ta-pu baz=244	1.85 246	eP	Pn	02 11 19.1	+1.5
WTP	baz=244	S	Sb	02 11 42.7	-0.4	
RLNB	Erlin baz=278	1.93 267	eS	Sb	02 11 44.2	-0.9
SLGT	Liugui baz=228	1.94 239	eP	Pb	02 11 20.8	-1.0
SLGT	baz=228	eS	Sb	02 11 45.1	-0.6	
CHN1	Nanshi baz=243	1.95 246	eP	Pn	02 11 20.3	+1.5
CHN1	baz=243	S	Sb	02 11 45.9	0.0	
TKW1	Hsiyning baz=245	1.95 248	eP	Pb	02 11 20.7	-1.3
TKW1	baz=245	eS	Sb	02 11 45.4	-0.5	
MASBT	Mashibuluo baz=223	2.17 231	eP	Pn	02 11 23.1	+1.2
MASBT	baz=223	eS	Sn	02 11 50.0	+1.8	
EAST	Anshuo baz=221	2.19 223	eP	Pn	02 11 22.9	+0.8
EAST	baz=221	eS	Sn	02 11 48.5	0.0	

NAO 15 02:13:38.5, 5.4, 71.31N, 9.55W, h16km, 21km, ML4.6
 NEIC 15 02:13:38.8, 0.2, 71.34N, 9.56W, h10km, mb4.5/43, Error ellipse: s-maj=5.3km s-min=3.3km az=220.0

REY 15 02:13:39.1, 70.90N, 9.85W, h10km
 ISC 15 02:13:39.3, 1.0, 71.17N, 0.05, 9.71W, 0.03, h16km, 6km, n252, r1993/238, mb4.4/83, MS3.5/48, 10C-3D, Jan Mayen

Island region

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
JMI	Jan Mayen	0.40	127	Op	02 13 48.2	+0.2
JMI	Jan Mayen	0.43	114	Pg	02 13 51.1	+1.4
JMI	Jan Mayen	0.43	114	Pg	02 13 57.0	
JMIC	Jan Mayen	0.43	114	Pg	02 13 48.0	0.0
JMIC	Jan Mayen	0.43	114	Pg	02 13 54.8	
JMIC	Jan Mayen	0.43	114	Pg	02 13 48.0	0.0
JMIC	Jan Mayen	0.43	114	Pg	02 13 55.0	+0.3
JMIC	Jan Mayen	0.43	114	Pg	02 13 47.9	-0.2
JMIC	Jan Mayen	0.43	114	Pg	02 13 54.9	+0.8
JMIC	Jan Mayen	0.43	114	Pg	02 13 55.2	
JNE	Jan Mayen East	0.49	111	eP	02 13 48.6	-0.5
JNE	Jan Mayen East	0.49	111	eP	02 13 55.6	-0.1
JNE	Jan Mayen East	0.49	111	eP	02 14 00.8	
ILEI	Leirhofn	5.38	210	P	02 14 56.7	-1.9
ILEI	Leirhofn	5.38	210	P	02 15 58.4	-1.7
ILEI	Leirhofn	5.38	210	P	02 14 56.7	-1.9
IGRI	Grimsey	5.53	217	P	02 15 00.2	-0.5
IGRI	Grimsey	5.53	217	P	02 16 01.9	-1.9
IGIL	Gilhagi	5.66	209	P	02 15 00.9	-1.6
IGIL	Gilhagi	5.66	209	P	02 15 06.5	-0.5
IGIL	Gilhagi	5.66	209	P	02 15 00.9	-1.6
IGIL	Gilhagi	5.66	209	P	02 15 06.5	-0.5
IHED	Heoinshofn	5.81	212	P	02 15 02.6	-2.0
IHED	Heoinshofn	5.81	212	P	02 16 09.1	-1.7
IDIM	Dimmaldals'js	5.86	210	P	02 15 03.9	-1.4
IDIM	Dimmaldals'js	5.86	210	P	02 16 11.7	-0.2
IDIM	Dimmaldals'js	5.86	210	P	02 15 03.9	-1.4
IDIM	Dimmaldals'js	5.86	210	P	02 16 11.7	-0.2
IBRE	Brettingsstaoi	5.88	215	P	02 15 04.1	-1.5
IBRE	Brettingsstaoi	5.88	215	P	02 16 11.3	-1.2
IGHA	Grjothals	5.92	209	P	02 15 04.8	-1.3
IGHA	Grjothals	5.92	209	P	02 16 12.1	-1.5
IGHA	Grjothals	5.92	209	P	02 15 04.8	-1.3
IGHA	Grjothals	5.92	209	P	02 16 12.1	-1.5
IGRA	Granastaor	6.01	212	P	02 15 05.6	-1.6
IGRA	Granastaor	6.01	212	P	02 16 14.5	-1.1
IGRA	Granastaor	6.01	212	P	02 15 05.6	-1.6
IGRA	Granastaor	6.01	212	P	02 16 14.5	-1.1
IGRS	Grimstaor	6.04	206	P	02 15 06.2	-1.5
IGRS	Grimstaor	6.04	206	P	02 16 15.6	-0.7
IGRS	Grimstaor	6.04	206	P	02 15 06.2	-1.5
IGRS	Grimstaor	6.04	206	P	02 16 15.6	-0.7
ISIG	Sigluflourur	6.07	218	P	02 15 07.5	-0.6
ISIG	Sigluflourur	6.07	218	P	02 16 16.5	-0.5
IHLA	Hella	6.13	215	P	02 15 07.7	-1.2
IHLA	Helja	6.13	215	P	02 16 18.5	-0.1
IHLA	Helja	6.13	215	P	02 15 07.7	-1.2
IHLA	Helja	6.13	215	P	02 16 18.5	-0.1
DAG	Danmarks Havn	6.14	340	iP	02 15 04.7	-4.4
DAG	Danmarks Havn	6.14	340	iP	02 15 06.7	-1.2
DAG	Danmarks Havn	6.14	340	iP	02 15 05.3	-3.8
DAG	Danmarks Havn	6.14	340	iP	02 15 04.7	-4.4
DAG	Danmarks Havn	6.14	340	iP	02 15 06.7	-1.2
DAG	Danmarks Havn	6.14	340	iP	02 15 08.6	-0.6
IREN	Reynihlio	6.14	209	P	02 15 08.6	-0.6
IREN	Reynihlio	6.14	209	P	02 15 19.0	0.0
IREN	Reynihlio	6.14	209	P	02 15 08.6	-0.6
IREN	Reynihlio	6.14	209	P	02 15 19.0	0.0
IMEL	Melnausar	6.18	208	P	02 15 07.8	-1.9
IMEL	Melnausar	6.18	208	P	02 16 19.2	-0.6
IMEL	Melnausar	6.18	208	P	02 15 07.8	-1.9
IMEL	Melnausar	6.18	208	P	02 16 19.2	-0.6
IHRN	Hraun	6.34	222	P	02 15 11.3	-0.5
IHRN	Hraun	6.34	222	P	02 16 25.1	+1.4
IHRN	Hraun	6.34	222	P	02 15 11.3	-0.5
IHRN	Hraun	6.34	222	P	02 16 25.1	+1.4
ISVA	Svartartok	6.49	209	P	02 15 13.4	-0.5
ISVA	Svartartok	6.49	209	P	02 16 28.6	+1.1
ISVA	Svartartok	6.49	209	P	02 15 13.4	-0.5
ISVA	Svartartok	6.49	209	P	02 16 28.6	+1.1
IADA	Aoalbol	6.55	202	P	02 15 13.6	-1.2
IADA	Aoalbol	6.55	202	P	02 16 29.6	+0.6
IASK	Askja	6.67	206	P	02 15 15.2	-1.2
IASK	Askja	6.67	206	P	02 15 15.5	-1.2
IASK	Askja	6.67	206	P	02 15 15.2	-1.2
IASK	Askja	6.67	206	P	02 15 15.5	-1.2
IMKO	Mokollar	6.69	205	P	02 15 16.7	-1.2
IMKO	Mokollar	6.69	205	P	02 15 18.2	-1.2
IMKO	Mokollar	6.69	205	P	02 15 16.7	-1.2
IMKO	Mokollar	6.69	205	P	02 15 18.2	-1.2
IVSH	V-Sauoahnukur	6.77	202	P	02 15 18.2	-1.2
IVSH	V-Sauoahnukur	6.77	202	P	02 15 20.1	-1.2
IVSH	V-Sauoahnukur	6.77	202	P	02 15 18.2	-1.2
IVSH	V-Sauoahnukur	6.77	202	P	02 15 20.1	-1.2
IDYN	Dynghals	7.02	208	P	02 15 34.7	+3.2

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MORC, GEC2, GERES, GEAO, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WMQ, TKL, W50A, T42A, etc.

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

NIED 15 03:04:00, 45.70N, 152.10E, h32km, Mw3.7 Best double couple: M4.32000, 1014 NP1=145.00000, 864.00000, lambda=10.00000. NP2=239.00000, 881.00000, lambda=154.00000.

JMA 15 03:04:05.2, 0.9, 45.73N, 152.11E, h30km, M4.1, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like NEM2, NEM2, JRA, etc.

ISCJB 15 03:10.7, 0.4, 9.62S, s=0.07, 119.00E, 0.04, h46km, mb3.6/6, Error ellipse: s-maj=11.0km s-min=4.3km az=2.0

DJA 15 03:10.11, 7.0, 4.9, S, 4.1, 119.0E, h15km, 5km, M4.3/14, mb4.3/1, MLV4.3/14

IDC 15 03:10.13, 5.3, 3.9, 59S, 119.07E, h78km, 28km, mb3.6/6, mb1.3/6, mb1mx3.4/56, mbtm3.8/9, Error ellipse: s-maj=38.5km s-min=12.0km az=49.0

ISC 15 03:10.6, 0.7, 9.67S, 118.99E, 0.05, h46km, n24, s=28/29, mb3.9/6, Sumbawa region

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

ISCJB 15 02:57.19, 1.0, 3.72S, s=0.05, 123.78E, 0.06, h55km, mb3.5/14, Error ellipse: s-maj=8.3km s-min=6.6km az=163.2

DJA 15 02:57.19, 8.0, 4.7, S, 5.1, 124.0E, h579km, 7km, M4.2/8, mb4.1/2, mb4.5/7, MLV4.1/8, Mw(MB)3.2/2

IDC 15 02:57.20, 2.0, 7.7, 29S, 123.81E, h559km, 6km, mb3.1/14, mb1.3/20, mb1mx3.2/54, mbtmp4.1/20, Error ellipse:

15d 3h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR, SONMI, MKAR, KURBB, ZALV, BVAR, AKTO.

ISC/JB 15 03:18:33.1..0.4, 49.86N..0.03..18.46E..0.03, h0km, Error ellipse: s-maj=3.9km s-min=2.3km az=19.3

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including Ostrava-Krasne, Raciborz, Moravsky Berou, Ojcow, Liptovska Anna, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MOA, MOLA, CLL, CLLL.

GII 15 03:34:07.0.0.4, 36.61N..27.00E, h122km, ISC/JB 15 03:34:05.2..0.2, 36.54N..0.02..27.06E..0.02, h142km, 2km, mb3.6/8, Error ellipse: s-maj=3.3km s-min=2.2km az=179.1

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including Datca, Bodrum, Amgoros Island, Karpathos, etc.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including Zakros, Fethiye, Denizli, Neapolis, Lasithi, Chios island, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Loutrakí, Agios Nikonas, Vlachokerasia, Gaura, Desfina, Ithomi, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Ponta Delgada, Grota Negra, Cha da Macela, Pico Bartolomeo, Angra Heroismo, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Borovoye, Aktyubinsk, Korea Arry, Ussuriysk Arr, etc.

IDC 15 04:36:47.3; 1.8, 40.46N; 122.41E, h0km, mb3.7/2, mb1 3.6/4, mb1mx3.3/73, mbtm3.5/4, ML3.3/1, Error ellipse: s-maj=35.4km s-min=19.5km az=22.0

B/JJ 15 04:36:49.0, 40.48N; 122.38E, h6km, ML3.4/8

ISC 15 04:36:49.7; 0.8, 40.51N; 122.28E; 0.08, h10km, n8, #2516/10, Northeastern China

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Dalian, Changchun, Korea Arry, etc.

ISC/JB 15 03:42:19.8; 0.4, 33.67N; 0.04:88.68E; 0.07, h10km, mb4.0/23, MS3.3/12, Error ellipse: s-maj=8.9km s-min=6.1km az=172.0

IDC 15 03:42:19.5; 0.7, 33.51N; 88.68E, h0km, mb4.0/17, mb1 4.1/21, mb1mx3.9/66, mbtm3.4/0.21, ML3.7/4, MS3.3/14, Ms1 3.3/14, ms1mx3.0/63, Error ellipse: s-maj=21.0km

B/JJ 15 03:42:20.8; 33.52N; 88.46E, h7km, mb4.2/5, mB4.2/1, ML4.6/1, MS3.9/6, Ms7 3.6/6

NEIC 15 03:42:21.3; 0.3, 33.55N; 88.59E, h10km, mb4.2/6, Error ellipse: s-maj=9.3km s-min=6.3km az=48.0

ISC 15 03:42:23.2; 0.5, 33.71N; 0.05:88.42E; 0.06, h10km, n54, #2504/40, mb4.1/23, MS3.2/12, Xizang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LSA Lhasa, LNJ Lanzhou, LNZ Lanzhou, etc.

CSEM 15 03:34:26.4; 38.10N; 26.18W, h7km, ML3.4

PDA 15 03:34:26.4; 0.7, 38.10N; 26.18W, h7km, 3km, MD3.8, ML3.4, GC-2D, Error ellipse: s-maj=4.5km s-min=1.3km

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Sete Cidades, Ponta Delgada, etc.

15d 6h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Choya, IPOC Station P, Horco Molle, etc.

MOS 15 04:43:29.2±1.4, 53.21N; 107.14E, h10km, mb4.1/1, Error ellipse: s-maj=99.9km s-min=29.0km az=58.7

BYKL 15 04:43:27.1±0.2, 53.11N; 107.49E, h24km, 3km, 4C-2D, Lake Baykal region

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

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

CSEM 15 05:06:23.8±0.7, 51.43N; 16.15E, h1km, ML2.6/7, Error ellipse: s-maj=11.6km s-min=8.4km az=50.0, Suspected Mining induced.

VIE 15 05:06:25.9±1.1, 51.26N; 15.97E, h0km, mb2.2/4, m2.1/5, Error ellipse: s-maj=8.1km s-min=5.8km az=46.0 74 km WNW of Wroclaw Suspected Mining induced.

ISC 15 05:06:23.2±1.7, 51.42N; 0.07°16.18E, 0.04, h0km, n24, 01403/51, Poland

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Ksp, Upice, Dobruska-Polom, etc.

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

MEX 15 05:07:48.3±0.8, 16.43N; 94.46W, h106km±11km, MD3.9, Oaxaca

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

IDC 15 05:17:31.8±8.1, 7.52S; 119.57E, h266km, 94km, mb3.0/2, mb1.3/1.4, mb1mx2.7/5.5, mbtmp3.7/4, Error ellipse: s-maj=142.8km s-min=32.5km az=51.0, Flores Sea

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

IDC 15 05:05:23.4±2.1, 8.64S; 128.78E, h0km, mb3.3/1, mb1.3/9.4, mb1mx3.5/4.8, mbtmp3.7/4, ML3.9/3, Error ellipse: s-maj=89.9km s-min=26.3km az=73.0, Timor Sea

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

ISCJB 15 06:37:21.3±0.6, 35.49N; 0.08°135.85E, 0.09, h355km, 5km, mb2.9/4, Error ellipse: s-maj=13.0km s-min=11.8km az=140.9

JMA 15 06:37:22.8±0.1, 35.50N; 135.79E, h345km, 1km, M3.0, IDC 15 06:37:22.0±1.3, 35.45N; 135.89E, h351km, 1.4km, mb2.8/4, mb1.2/8.9, mb1mx2.7/6.9, mbtmp3.5/9, Error ellipse: s-maj=24.6km s-min=19.1km az=72.0

ISC 15 06:37:22.1±0.8, 35.47N; 0.09°135.82E, 0.08, h348km, 7km, n22, 0873/25, mb2.9/4, Western Honshu

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

ISK 15 06:41:09.1, 38.74N; 41.41E, h10km, ML2.9/4, ISCJB 15 06:41:10.2±0.4, 38.71N; 0.02°41.38E, 0.03, h11km, 6km, Error ellipse: s-maj=4.6km s-min=3.4km az=135.7

DDA 15 06:41:10.8, 38.69N; 41.34E, h7km, ML2.8, CSEM 15 06:41:10.1±0.2, 38.72N; 41.37E, h12km, ML2.9, Error ellipse: s-maj=4.0km s-min=3.4km az=88.0

ISC 15 06:41:09.6±1.1, 38.75N; 0.02°41.40E, 0.02, h11km±10km, n35, 0882/57, Turkey

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SVAN, EKAR, BINGOL, HANI, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Y44A, W50A, W50A, etc.

IDC 15 06:44:36.1±1.2, 35:79N±141:03E, h0km, mb3.3/4, mb1 3.5/7, mb1mx3.3/69, mbmp3.3/7, ML3.2/3, MS2.3/1, Ms1 2.3/1, ms1mx1.9/29, Error ellipse: s-maj=32.2km s-min=20.4km az=90.0

ISCJB 15 06:44:37.2±1.0, 35:85N±141:14E±0:09, h23km, 6km, mb3.4/4, Error ellipse: s-maj=12.0km s-min=6.7km az=171.5

JMA 15 06:44:38.8±0.2, 35:82N±140:97E, h29km±1km, M3.2, ISC 15 06:44:39.5±1.1, 35:84N±140:93E±0:08, h24km±7km, n21, ±0:95/21, mb3.4/4, 1C-2D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHOJ, JIHU, JHYU, JYJT, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 250A, 347A, 154A, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like W48A, V52A, V50A, etc.

ISCJB 15 06:51:23.0±0.5, 1:49S±0:03:77:72W±0:05, h195km, 3km, mb4.3/121, Error ellipse: s-maj=8.2km s-min=4.2km az=159.4

IDC 15 06:51:23.9±0.7, 1:52S±77:61W, h183km, 6km, mb3.8/20, mb1 4.0/28, mb1mx3.8/53, mbmp4.4/28, MS3.4/2, Ms1 3.4/2, ms1mx2.6/39, Error ellipse: s-maj=13.9km s-min=8.6km az=66.0

NEIC 15 06:51:23.8±0.2, 1:53S±77:71W, mb4.5/114, Error ellipse: s-maj=6.7km s-min=3.3km az=72.0

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 446A, 252A, 156A, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like W48A, V52A, V50A, etc.

15d 6h

2012 JUL

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Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like ABTX Abilene, Hawle; ABTX Abilene, Hawle; S47A Hartford; PBMO Poplar Bluff; U41A Viola; R51A Hillsboro; V39A Pettigrew; R50A Paris; T43A Greenville; R49A Shelbyville; U40A Yellville; S45A Carrier Mills; T42A Van Buren; T42A Van Buren; USIN University of; R47A Woolly Knot Far; S44A Carbondale; U39A Green Forest; SIUC Southern Illin; T41A Mountain View; HHAR Hobbs; S43A Fulton Ridge; R46A Gibon Southern; Q51A Peebles; R45A Skylar, Fairfi; T40A Mansfield; TUL1 Leonard; TUL1 Leonard; S42A Caledonia; Q48A North Vernon; R44A Waltonville; T39A Clever; S41A Jilco Farms; FVM French Village; MCWV Mont Chateau; MCWV Mont Chateau; Q47A Bedord North L; WMOK Wichita Mounta; WMOK Wichita Mounta; R43A Red Bud; OLIL Olney; S40A Lebanon; BLO Bloomington; P50A Jamestown; CCM Cathedral Cave; CCM Cathedral Cave; T38A Diamond; MVL Millersville; Q45A Warren Harvey; P48A Milroy; R42A Luebbering; Q44A Meyer Farm, Va; P47A Martinsville; PAGS Pennsylvania G; R41A Rosebud; S39A Bolivar; S39A Bolivar; O56A Blue Knob Stat; O56A Blue Knob Stat; S38A Stockton; Q43A New Douglas; O50A Cable; R40A Maddies Statio; R40A Maddies Statio; ACSO Alum Creek Sta; ACSO Alum Creek Sta; O49A Covington; SSPA Standing Stone; SSPA Standing Stone; LUPA Lehigh Unvers; R39A Chumby, Stover; Q48A Farmland; Q41A Truxton; MNTX Cornudas Mount; R38A Fenwick Farm; O47A Sheridan; N59A State Game Lan; N59A State Game Lan; N54A Moraine State; N54A Moraine State; Q50A Nevada; N40A Laux Farm, Aux; MSTX Muleshoe; MSTX Muleshoe;

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like MSTX Palisades; P42A Winchester; P42A Winchester; O45A Potomac; Q39A Willow Grove F; P41A Barry, Barry; Q38A Coe Store, C; M54A Oil Creek Stat; M54A Oil Creek Stat; P40A Paris; KSPA Keystone Colle; ALLY Alegheny Colle; P39B Salisbury; N44A Piper City; HDIL Hopedale; HDIL Hopedale; O40A La Belle; P38A Dawn; P38A Dawn; ERPA Erie; ERPA Erie; N43A Stutzman Famil; BINY Binghamton; BINY Binghamton; N42A Yates City; P37A Lathrop; O39A Kirksville; O38A Galt; M43A Waltham Townsh; KSU1 Kansas State U; KSU1 Kansas State U; MMNY Mt. Morris Dam; N39A Derby Farms, D; N39A Derby Farms, D; N38A Joes South For; TYNO Tyneside; MEDO Medina; M40A Post Highland; STCO Saint Catharin; L43A Garden Prairie; ELFO Elginfield; L42A Oliver, Polo; L42A Oliver, Polo; N37A Lee Faris, Mou; M39A Webster; L41A Preston; CBKS Cedar Bluff; ACTO Acton; M38A Pleasantville; L40A Anamosa; L40A Anamosa; TASM Snot Pit, Alb; ANMO Albuquerque; ANMO Albuquerque; ANMO Albuquerque; ANMO Albuquerque; TASM ASL Pad, Albuq; DRWO Darlington Wes; M37A Trindle Farm; WLVO Wesleyville; PKRO Pickering; L39A Vinton; K42A Prairie Point; K41A Shullsburg; NCB Newcomb; SCIA State Center; M36A Felix, Anita; BWLO Walkerton; L38A Oak Wood Farm; JFWS Jewell Farm; JFWS Jewell Farm; K40A Colburg; J43A Natural Harves; T25A Trinidad; J42A Columbus; CLWO Colwellwood; K39A Oelwein; DELO Deloro Mine; LBNH Lisbon; LBNH Lisbon; BMRO Meriville Lake; J41A Loganville; LONY Lake Ozonia;

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like LONY Lake Ozonia; L36A Harm Buss Farm; SADO Sadowa; I43A Langenfeld Bro; J40A Soldiers Grove; FRNY Flat Rock; I42A Draeger Farm; I42A Draeger Farm; BANO Bancroft; K37A Diamond; PLVO Plevna; PLVO Plevna; J39A Decorah; K36A Gilmore City; H43A Windswept, Lux; TOBO Tobermory, Bru; KLBO Kilbear Provi; SDCO Great Sand Dun; SDCO Great Sand Dun; BUKO Buck Lake; H42A Shotton; I39A Houston; PEMO Pembroke; 214A Organ Pipe Nat; ALFO Alfred; J36A Seneca 1, Swea; I38A Scanlan Farm; H40A Chili; G43A Wallace; F45A OMI Biological; G42A Mountain; G42A Mountain; TRQ Mont Tremblant; F43A Flat Rock, Esc; G40A Rib Lake; G39A Holcombe; F41A Three Lakes; F41A Three Lakes; ECSD EROS Data Cent; E45A Wooded Hills; G38A Ridgeland; E43A Lot Tree Farm; E43A Lone Tree Farm; ISCO Idaho Springs; H35A Sunnyside Ranc; F40A Park Falls; E42A Champion; F39A Loretta; BELO Belleterre; E41A Kenton; PV03 Pierce-Schley; F38A Pierce-Schley; E40A Wakefield; E39A Mellen; H32A Carlson Farm; F36A Milaca; E38A The Farm, Brul; E36A McGregor; G32A Webster; G32A Webster; D37A Cotton; F32A Veblen; D36A Goodland; C37A Embarras; EYMN Ely; C36A Pin Crest Far; MATO Matagami; RSSD Black Hills; CHGO Chibougamau; B35A Bob, Littlefor; B34A Aery, Baudette; AGMN Agassiz Nation; AGMN Agassiz Nation; TCUT Toone Canyon; PDAR Pined Array; HWUT Hardware Ranch; SPUT South Promonto; SPUT Lac du Bonnet; ULM Lac du Bonnet; ULM Lac du Bonnet; NVAR Mina Array Bea; NVAR Mina Array Bea; NVAR Pined Array; YMR Madison River; YKA Yellowknife Ar; DLBC Dease Lake;

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ILULI, LIC, TIC, DBIC, etc.

NIED 15 08:20:00, 38.40N, 144.60E, h5km, Mw3.6 Best double couple. M=2.57000e+10, NP1=30.00000, delta=0.00000, lambda=95.00000, NP2=215.00000, delta=63.00000.

JMA 15 08:24:20.0, 2.3839N, 144.61E, h43km, Mw3.7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like OFUJ, UFWJ, MIYJ, etc.

MOS 15 08:23:23.0, 1.0, 33.47S, 67.47W, h192km, mb4.5/22, Error ellipse: s-maj=5.8km s-min=7.1km az=105.9

GUC 15 08:23:23.7, 0.33, 143S, 78W, h22km, M5.0, ISCJB 15 08:23:23.9, 0.3, 33.44S, 0.03, 67.51W, 0.04, h203km, 1km, mb4.5/110, Error ellipse: s-maj=5.8km s-min=4.6km az=6.8

IDC 15 08:23:24.9, 0.5, 33.40S, 67.49W, h199km, 3km, mb4.1/15, mb1.4, 1/17, mb1mx3.9/36, mbtmp4.5/17, Error ellipse: s-maj=15.3km s-min=9.8km az=84.0

SJA 15 08:23:24.0, 0.6, 33.49S, 67.61W, h210km, 4km, M4.4, MW4.8

NEIC 15 08:23:25.0, 2.0, 33.48S, 67.48W, mb4.6/99, MD4.8(SJA), Error ellipse: s-maj=6.0km s-min=3.8km az=77.0

NEIC Fall at San Rafael, ISC 15 08:23:24.4, 33.49S, 0.04, 67.62W, 0.04, h198km, 3km, h198km, p-P, N682, 0.83/713, mb4.6/110, 6C-11D,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AVIZ, AAGR, ACAN, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LMEL, RTLS, FCH, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like 149A, 344A, 252A, etc.

WHTX	Lake Whitney, baz=162,SNR=15, baz=154	70.95 333	P	P	08 34 20.4 -0.1
V49A	McMillnville, baz=163,SNR=5.9	70.99 344	P	P	08 34 20.0 -0.6
V41A	Eagleette Beard, baz=158,SNR=6.9	71.01 338	P	P	08 34 21.4 +0.6
U52A	Thorn Hill, baz=161,SNR=6.9	71.06 347	P	P	08 34 20.5 -0.6
X43A	Marvell, baz=160	71.09 340	P	P	08 34 21.6 +0.4
X43A	Marvell, comp=Z,19nm,0.9s	71.09 340	eP	P	08 34 21.4 +0.2
U51A	La Follette, baz=166	71.18 346	P	P	08 34 21.2 -0.6
V48A	Smith Brothers, baz=163,SNR=8.1	71.18 344	P	P	08 34 21.4 -0.3
V48A	Smith Brothers, comp=Z,11nm,0.8s	71.18 344	eP	P	08 34 21.2 -0.6
TXAR	Lajitas Array, comp=Z,1.4nm,0.8s,baz=147,slow=6.9,SNR=28	71.20 327	pP	pP	08 34 22.4 +0.3
TXAR	comp=Z,0.6nm,0.8s,baz=130,slow=8.4,SNR=23	71.20 327	pP	pP	08 35 10.7 +1.6
TX31	Lajitas Ar. Si	71.20 327	eP	P	08 34 22.5 +0.4
W45A	Hickory Valley, baz=161	71.22 341	P	P	08 34 21.7 -0.3
TZTN	Tazewell, baz=165	71.25 346	P	P	08 34 21.8 -0.3
Y40A	Okolona, baz=158	71.34 338	P	P	08 34 23.1 +0.4
BLA	Blacksburg, baz=169	71.34 349	P	P	08 34 23.2 +0.4
U50A	Jamestown, baz=165	71.38 345	P	P	08 34 22.5 -0.5
V47A	Nunnely, baz=162,SNR=16	71.43 343	P	P	08 34 22.5 -0.7
DBIC	Dimbokro, comp=Z,4.1nm,0.8s,baz=177,slow=8.2,SNR=3.0	71.54 69	pP	pP	08 34 23.4 +0.3
V46A	Holladay, baz=162,SNR=31	71.55 343	P	P	08 34 24.3 -0.6
U49A	Red Boiling Springs, baz=164,SNR=7.5	71.68 345	P	P	08 34 24.1 -0.6
T52A	Hallie, baz=166	71.68 347	P	P	08 34 24.6 -0.2
V51A	Humboldt, baz=161	71.71 342	P	P	08 34 24.8 -0.1
T45A	Gray, baz=166	71.73 346	P	P	08 34 24.3 -0.7
WVT	Waverly, baz=162	71.79 343	P	P	08 34 24.8 -0.6
WVT	Waverly, comp=Z,1.5nm,0.6s	71.79 343	eP	P	08 34 24.8 -0.6
WVT	Waverly, comp=Z,1.5nm,0.6s	71.79 343	eP	pmax	08 34 24.8 -0.6
U48A	Cassie Pea, Po, baz=163	71.85 344	P	P	08 34 25.9 +0.2
MIAR	Mount Ida, baz=157	71.93 338	P	P	08 34 26.0 -0.3
MIAR	Mount Ida, comp=Z,9.6nm,1.4s	71.93 338	eP	P	08 34 26.3 +0.1
MIAR	Mount Ida, comp=Z,9.6nm,1.4s	71.93 338	eP	pmax	08 34 26.3 +0.1
U47A	Clarksville, comp=Z,10.0nm,1.4s	71.96 343	P	P	08 34 25.8 -0.5
T50A	Nancy, baz=163,SNR=9.4	71.97 346	P	P	08 34 25.6 -0.8
X39A	Fountain Ranch, baz=157,SNR=6.5	72.07 337	P	P	08 34 27.3 +0.2
U46A	Springville, baz=162,SNR=6.4	72.10 343	P	P	08 34 26.7 -0.5
W41B	Gary Mavity, V, baz=158	72.10 339	eP	P	08 34 27.1 -0.1
W41B	Gary Mavity, V, comp=Z,4.9nm,0.8s	72.10 339	eP	P	08 34 27.1 -0.1
V43A	Jonesboro, baz=161	72.18 341	P	P	08 34 27.8 +0.1
T49A	Edmonton, baz=164,SNR=8.7	72.19 345	P	P	08 34 27.0 -0.7
U49A	Edmonton, comp=Z,8.9nm,0.6s	72.19 345	eP	P	08 34 27.1 -0.7
U45A	Rockin P Farm, baz=162	72.23 342	P	P	08 34 27.9 0.0
S52A	Salversville, baz=166,SNR=5.5	72.25 347	P	P	08 34 27.7 -0.4
S51A	Beattyville, baz=166,SNR=5.6	72.31 347	P	P	08 34 28.1 -0.4
S51A	Beattyville, comp=Z,8.4nm,0.7s	72.31 347	eP	P	08 34 28.1 -0.4
ABTX	Ablene, Hawle, baz=152	72.35 332	P	P	08 34 28.8 0.0
ABTX	Ablene, Hawle, comp=Z,9.8nm,0.8s	72.35 332	eP	P	08 34 29.6 +0.8
W40A	Ferguson Farm, baz=158	72.37 338	P	P	08 34 29.2 +0.4
W40A	Ferguson Farm, comp=Z,8.6nm,1.1s	72.37 338	eP	P	08 34 29.5 +0.7
U44B	Burton Farm, H, baz=161	72.38 342	P	P	08 34 29.1 +0.3
T48A	Bowling Green, baz=164	72.39 344	P	P	08 34 28.3 -0.6
T47A	Sharon Grove, baz=163	72.44 344	P	P	08 34 28.4 -0.8
T47A	Sharon Grove, comp=Z,9.2nm,0.7s	72.44 344	eP	P	08 34 28.4 -0.8
V42A	Cord, baz=159	72.44 340	P	P	08 34 28.8 -0.4
S50A	Richmond, baz=165	72.51 346	P	P	08 34 29.5 -0.1
PVMO	Portageville, comp=Z,222nm,0.3s	72.54 341	eP	P	08 34 30.5 +0.7
MAW	Mawson, comp=Z,9.1nm,0.7s,baz=221,slow=9.0,SNR=15	72.58 162	pP	pP	08 34 31.9 +2.2
MAW	Mawson, comp=Z,2.1nm,0.8s	72.58 162	eP	P	08 34 32.1 +2.4
MAW	Mawson, comp=Z,2.0nm,0.8s	72.58 162	eP	pmax	08 34 32.1 +2.4
MAW	Mawson, comp=Z,2.0nm,0.8s	72.58 162	eP	pmax	08 34 32.1 +2.4
W39A	Magazine, baz=157,SNR=11	72.59 338	P	P	08 34 30.6 +0.4
W39A	Magazine, comp=Z,14nm,0.8s	72.59 338	eP	P	08 34 30.6 +0.4
V41A	Mountainview, baz=159,SNR=9.5	72.64 339	P	P	08 34 30.2 -0.3
T46A	Princeton, baz=162,SNR=6.1	72.67 343	P	P	08 34 30.1 -0.5
U43A	Rector, baz=160	72.69 341	P	P	08 34 30.7 0.0
PARMO	Parma, comp=Z,43nm,0.7s	72.79 342	eP	P	08 34 31.7 +0.5
S48A	Wiedeman Farm, baz=164,SNR=6.1	72.84 345	P	P	08 34 30.7 -0.8
V40A	Witts Springs, baz=158	72.86 339	P	P	08 34 31.6 -0.1
V40A	Witts Springs, comp=Z,4.4nm,0.6s	72.86 339	eP	P	08 34 31.8 0.0
U42A	Reverend, baz=160,SNR=8.0	72.90 340	P	P	08 34 32.0 +0.1
R51A	Hillsboro, baz=166	72.95 347	P	P	08 34 32.3 +0.1
S47A	Hartford, baz=163	72.98 344	P	P	08 34 31.1 -1.2
R50A	Paris, baz=165	73.08 346	P	P	08 34 32.4 -0.5
PBMO	Poplar Bluff, comp=Z,14nm,0.8s	73.08 341	eP	P	08 34 32.7 -0.3
U41A	Viola, baz=159,SNR=7.7	73.09 340	P	P	08 34 32.9 -0.2
V39A	Pettigrew, baz=157,SNR=10	73.14 338	P	P	08 34 33.4 0.0
S46A	Don Dixon Farm, baz=162	73.24 343	P	P	08 34 32.8 -1.1
R49A	Shelbyville, baz=165	73.26 346	P	P	08 34 33.4 -0.6
T43A	Greenville, baz=160,SNR=13	73.33 341	P	P	08 34 34.0 -0.4
U40A	Yellville, baz=158,SNR=11	73.38 339	P	P	08 34 34.5 -0.3
WCI	Wyandotte Cave, baz=164	73.44 345	eP	P	08 34 34.0 -1.1
WCI	Wyandotte Cave, comp=Z,8.0nm,0.9s	73.44 345	eP	pmax	08 34 34.4 -0.7
WCI	Wyandotte Cave, comp=Z,8.0nm,0.9s	73.44 345	eP	pmax	08 34 34.4 -0.7
S45A	Carrier Mills, baz=162	73.45 343	P	P	08 34 34.2 -0.9

T42A	Van Buren, baz=160	73.50 341	P	P	08 34 34.6 -0.8
R48A	Northridge Ran, baz=164	73.51 345	P	P	08 34 34.6 -0.8
R47A	Woody Knot Far, baz=164	73.55 345	P	P	08 34 34.8 -0.9
U39A	Green Forest, baz=158,SNR=8.9	73.59 338	P	P	08 34 35.7 -0.3
Q51A	Peebles, baz=161	73.61 347	P	P	08 34 36.1 +0.1
S44A	Carbondale, baz=161	73.63 342	P	P	08 34 35.5 -0.6
HHAR	Hobbs, comp=Z,8.9nm,1.0s	73.64 338	eP	P	08 34 36.1 -0.2
T41A	Mountain View, baz=159,SNR=21	73.70 340	P	P	08 34 36.3 -0.3
R46A	Gibson Southern, baz=163	73.70 344	P	P	08 34 35.6 -0.9
S43A	Fulton Ridge, baz=160,SNR=8.8	73.73 342	P	P	08 34 36.0 -0.7
Q49A	Aurora, baz=165,SNR=6.5	73.79 346	P	P	08 34 37.1 -0.6
WMOK	Wichita Mounta, baz=153,SNR=6.1	73.90 334	P	P	08 34 37.3 -0.6
WMOK	Wichita Mounta, comp=Z,3.5nm,1.0s	73.90 334	eP	P	08 34 37.5 -0.3
WMOK	Wichita Mounta, comp=Z,4.0nm,1.0s	73.90 334	eP	pmax	08 34 37.5 -0.3
R45A	Skyler, Fairfri, baz=162	73.96 343	P	P	08 34 37.1 -0.9
MNTX	Cornudas Mount, baz=148,SNR=13	73.98 327	P	P	08 34 37.2 -1.2
MNTX	Cornudas Mount, comp=Z,4.9nm,0.8s	73.98 327	eP	P	08 34 37.4 -1.0
Q48A	North Vernon, baz=161	73.99 345	P	P	08 34 37.6 -0.6
T40A	Mansfield, baz=158	74.02 340	P	P	08 34 38.1 -0.4
O56A	Blue Knob Stat, baz=158	74.09 351	P	P	08 34 38.8 0.0
S42A	Caledonia, baz=160,SNR=7.5	74.11 341	P	P	08 34 38.2 -0.8
T39A	Clever, baz=158,SNR=9.4	74.15 339	P	P	08 34 38.9 -0.3
S41A	Jillco Farms, baz=159,SNR=15	74.20 340	P	P	08 34 39.3 -0.2
FVM	French Village, comp=Z,13nm,0.6s	74.21 341	eP	P	08 34 40.3 +0.8
P50A	Jamestown, baz=166	74.26 347	P	P	08 34 39.2 -0.6
OLIL	Olney, comp=Z,26nm,1.4s	74.33 343	eP	P	08 34 40.0 -0.2
R43A	Red Bud, baz=161	74.36 342	P	P	08 34 39.7 -0.7
P49A	Miami Univ. Ec, baz=165	74.36 346	P	P	08 34 39.9 -0.5
S50A	Standing Stone, baz=165	74.37 352	P	P	08 34 40.6 +0.3
BLO	Bloomington, comp=Z,8.2nm,0.7s	74.39 345	eP	P	08 34 40.1 -0.5
BLO	Bloomington, comp=Z,8.0nm,0.7s	74.39 345	eP	pmax	08 34 40.1 -0.5
N59A	State Game Lan, baz=173	74.42 354	P	P	08 34 41.5 +0.8
N59A	State Game Lan, comp=Z,8.4nm,0.8s	74.42 354	eP	P	08 34 41.9 +1.2
S40A	Lebanon, baz=159,SNR=16	74.43 340	P	P	08 34 40.8 0.0
P48A	Milroy, baz=165,SNR=5.6	74.44 346	P	P	08 34 39.9 -0.9
T38A	Diamond, baz=157,SNR=11	74.44 338	P	P	08 34 40.9 0.0
CCM	Cathedral Cave, baz=160	74.50 341	eP	P	08 34 41.9 +0.6
CCM	Cathedral Cave, comp=Z,20nm,1.2s	74.50 341	eP	pmax	08 34 41.8 +0.6
CCM	Cathedral Cave, comp=Z,20nm,1.2s	74.50 341	eP	pmax	08 34 41.8 +0.6
Q45A	Warren Harvey, baz=162,SNR=5.9	74.50 343	P	P	08 34 40.3 -0.9
R42A	Luebbering, baz=160	74.59 341	P	P	08 34 41.4 -0.2
P47A	Martinsville, baz=164	74.64 345	P	P	08 34 41.2 -0.8
ACSO	Alum Creek Sta, baz=167,SNR=6.0	74.72 348	eP	P	08 34 42.0 -0.4
ACSO	Alum Creek Sta, comp=Z,14nm,0.7s	74.72 348	eP	P	08 34 42.1 -0.4
S39A	Bolivar, baz=158,SNR=15	74.75 339	P	P	08 34 42.7 -0.1
S39A	Bolivar, comp=Z,30nm,1.3s	74.75 339	eP	P	08 34 42.6 -0.1
R41A	Rosebud, baz=160,SNR=9.2	74.76 341	P	P	08 34 42.2 -0.5
MSTX	Muleshoe, baz=150,SNR=6.1	74.79 330	P	P	08 34 43.0 -0.2
MSTX	Muleshoe, comp=Z,12nm,0.9s	74.79 330	eP	P	08 34 43.4 +0.2
S38A	Stockton, baz=157,SNR=27	74.87 339	P	P	08 34 43.1 -0.3
O49A	Covington, baz=166	74.92 347	P	P	08 34 42.9 -0.6
Q43A	New Douglas, baz=161,SNR=8.3	74.92 342	P	P	08 34 43.0 -0.6
N54A	Moraine State, baz=159	74.96 350	P	P	08 34 43.9 +0.1
N54A	Moraine State, comp=Z,11nm,1.0s	74.96 350	eP	P	08 34 44.1 +0.3
R40A	Maddies Statio, baz=161	75.00 340	P	P	08 34 43.7 -0.4
R40A	Maddies Statio, comp=Z,18nm,0.7s	75.00 340	eP	P	08 34 44.0 -0.1
P45A	Graceland, Par, baz=163	75.01 344	P	P	08 34 43.4 -0.7
P45A	Graceland, Par, comp=Z,11nm,0.9s	75.01 344	eP	P	08 34 43.2 -0.9
Q42A	Golden Eagle, baz=160,SNR=5.5	75.11 342	P	P	08 34 44.3 -0.4
AMTX	Amarillo, baz=151	75.14 332	P	P	08 34 45.1 0.0
AMTX	Amarillo, comp=Z,18nm,1.2s	75.14 332	eP	P	08 34 45.5 +0.4
O48A	Farmland, baz=161	75.15 346	P	P	08 34 44.1 -0.8
R39A	Chumby, Stover, baz=158,SNR=8.9	75.25 340	P	P	08 34 45.1 -0.4
N50A	Nevada, baz=166	75.27 348	P	P	08 34 44.9 -0.6
Q41A	Truxton, baz=160,SNR=7.7	75.34 341	P	P	08 34 45.6 -0.3
O47A	Sheridan, baz=164,SNR=6.2	75.34 345	P	P	08 34 45.1 -0.8
R38A	Ferick Farm, baz=158,SNR=7.9	75.39 339	P	P	08 34 45.7 -0.5
M54A	Oil Creek Stat, baz=170	75.45 351	P	P	08 34 46.6 0.0
P43A	Skaggs, Pawnee, baz=151,SNR=6.8	75.54 343	P	P	08 34 46.5 -0.6
Q40A	Douglas, baz=156,SNR=9.3	75.56 324	eP	P	08 34 48.7 +1.1
Q40A	Laux Farm, Aux, baz=159,SNR=9.3	75.61 341	P	P	08 34 47.3 -0.2
O45A	Potomac, baz=163,SNR=6.3	75.69 344	P	P	08 34 46.9 -1.0
P42A	Winchester, baz=160,SNR=6.7	75.69 342	P	P	08 34 47.2 -0.7
P42A	Winchester, comp=Z,12nm,0.7s	75.69 342	eP	P	08 34 47.4 -0.6
BINY	Binghamton, baz=173	75.71 354	P	P	08 34 48.7 +0.6
O44A	Mansfield, baz=159,SNR=21	75.77 344	P	P	08 34 47.4 -1.0
121A	Cookes Peak, D, baz=146,SNR=6.7	75.91 326	P	P	08 34 50.0 +1.1
Q39A	Willow Grove F, baz=153	75.91 340	P	P	08 34 48.9 -0.3
P41A	Barry, baz=160,SNR=7.6	75.97 342	P	P	08 34 49.0 -0.5
Q38A	Cooks Store, C, baz=158,SNR=12	76.02 339			

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like J42A Columbus, K39A Oelwein, ALFO Alfred, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like PHWY Pilot Hill, H32A Carlson Farm, O20A White River Ci, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like WAKR Walker, MOOW Moose Ponds, FXWY Fox Creek, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR. Includes stations like ALMR, HORN, ECAB, EMAL, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR. Includes stations like ESDC, SESP, PVRL, MVO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR. Includes stations like ECHI, EPF, MTLF, etc.

ISCJB 15 09:15:30.7±0.5,37.06°N;0.03±28.56E;0.04, h0km, Error ellipse: s-maj=5.2km s-min=3.7km az=139.3
DDA 15 09:15:30.1,37.05°N;28.55E;h7km,ML2.5, Suspected Mining explosion.
ISK 15 09:15:31.0,37.00°N;28.50E;h10km,ML2.1/2
CSEM 15 09:15:31.1±0.3,37.07°N;28.57E;h1km,ML2.1, Error ellipse: s-maj=7.1km s-min=4.8km az=46.0, Suspected Mining explosion.
ISC 15 09:15:30.1±0.8,37.14°N;0.02±28.63E;0.03,h0km,m33, c089/44,Turkey

NIED 15 09:16:00.45±7.0N;152.00E;h8km,Mw3.8 Best double couple: M5.040000;1014 NP1±144.00000°;834.00000°, λ-13.00000° NP2±245.00000°;883.00000°, λ-123.00000°

ISCJB 15 09:16:45.5±0.8,45.2°N;0.1±152.15E;0.09,h30km, mb3.87,MS3.3/3, Error ellipse: s-maj=18.7km s-min=6.2km az=156.7

JMA 15 09:16:46.3±0.9,45.67°N;152.04E;h30km,M4.3 SKHL 15 09:16:46.3±0.7,45.02°N;152.30E;h35km±4km,mb4.4/2

IDC 15 09:16:51.2±3.1,45.59°N;151.93E;h46km±29km,mb3.6/7, mb1.3/7.9,mb1mx3.4/72,mbtmp3.8/9,ML3.8/1,MS2.9/5, Ms1.3/0.5,ms1mx2.6/60, Error ellipse: s-maj=26.4km s-min=21.5km az=147.0

ISC 15 09:16:47.8±0.9,45.2°N;0.1±152.15E;0.08,h30km,m38, c1865/42,mb3.67,MS3.2/3,East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR, Azimuth, Elevation, SNR. Includes stations like KUR, SHO, YUK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, ARCES ARCES Array B, NVAR Mima Array B, etc.

IDC 15 09:18:09.6,2.0,1.055,99.93E,h0km,mb3.8/7,mb1 3.9/7, mb1mx3.6/7,mbtmp3.8/7,M3.3/1,Ms1.3/3.1, ms1mx2.6/2,Error ellipse: s-maj=99.8km s-min=19.7km az=53.0

ISCJBJ 15 09:18:13.8,0.4,1.17S,0.05,99.91E,0.05,h35km, mb4.1/13,M3.1/1,Error ellipse: s-maj=7.6km s-min=5.8km az=140.0

NEIC 15 09:18:14.8,0.4,1.17S,99.88E,h35km,mb4.5/7,Error ellipse: s-maj=13.2km s-min=7.4km az=63.0

NEIC Feil [W] at Padaraja, Indonesia, 15 09:18:16.3,0.2,1.5,2,10.0E, h10km, M4.2/15, mB5.6/4, mb4.3/3,MLV4.1/15,MM(B)5.1/1

ISC 15 09:18:15.9,0.6,1.07S,0.04,99.74E,0.05,h35km,m52, c262/48,mb4.2/13,Southern Sumatera

Main station list table for the first section, including stations like SISI Saiba, PPSI Pulau Pagai, PPSI Pulau Batu, etc.

NEIC 15 09:31:06.3,0.0,0.39,70Sx175.68E,h4km,ML4.1(WEL), After WEL

NEIC Feil in the Manawatu area, WEL 15 09:31:05.6,39.75,1.0,175.7E,0.9,h7km,1km,ML4.3/69, North Island

Main station list table for the second section, including stations like MOVZ Moawhango, BHHZ Black Hill Sta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WAZ Wanganui, OHWZ Ohakea, WTVZ West Tongariro, etc.

IDC 15 09:33:35.2,6.8,3.32N,127.65E,h0km,mb3.7/3, mb1 3.9/3,mb1mx3.4/52,mbtmp3.7/3,Error ellipse: s-maj=147.3km s-min=108.0km az=78.0,Talau Islands

IDC 15 09:36:04.0,7.7,2.45N,126.17E,h0km,mb3.5/4, mb1 3.7/4,mb1mx3.3/52,mbtmp3.6/4,Error ellipse: s-maj=128.6km s-min=102.2km az=123.0,Northern Molucca Sea

ISCJBJ 15 09:39:46.9,0.6,1.9,67S,0.04,69.39W,0.09,h110km,5km, mb3.8/4,Error ellipse: s-maj=14.0km s-min=6.9km az=177.0

GUC 15 09:39:47.6,0.5,1.9,68S,69.35W,h99km,3km,ML3.8

IDC 15 09:39:50.2,2.2,1.9,62S,68.92W,h124km,2.1km,mb3.6/4, mb1 3.6/6,mb1mx3.3/39,mbtmp3.9/6,Error ellipse: s-maj=40.4km s-min=18.8km az=98.0

ISC 15 09:39:47.4,0.8,1.9,66S,0.05,69.32W,0.09,h101km,7km, n18,c198/23,mb3.8/4,4C-2D,Northern Chile

Main station list table for the third section, including stations like PB11 IPOC Station P, PB08 IPOC Station P, etc.

NIED 15 09:50:00.45,50N,152,20E,h26km,Mw3.9 Best double couple: Mb8.700N,1014 NP1,8146,00000,878,00000, 1.0,00000, NP2,236,00000,890,00000,1,168,00000, SKHL 15 09:50:20.7,0.7,4.4,78N,152.63E,h43km,6km,mb4.2/2

JMA 15 09:50:23.0,2.0,7.4,55N,152.21E,h30km,M4.2

ISCJBJ 15 09:50:26.0,0.5,45.48N,0.08,151.79E,0.08,h32km, mb4.2/33,M3.5/7,Error ellipse: s-maj=12.8km s-min=3.4km az=146.7

IDC 15 09:50:28.8,5.5,45.71N,151.83E,h33km,39km,mb3.7/14, mb1 3.8/18,mb1mx3.6/73,mbtmp3.8/18,ML3.4/2,MS3.0/8, Mb1 3.1/8,ms1mx2.7/67,Error ellipse: s-maj=42.9km s-min=16.8km az=168.0

NEIC 15 09:50:30.2,0.8,46.24N,151.30E,h10km,mb4.7/8,Error ellipse: s-maj=22.0km s-min=9.0km az=145.0

BUI 15 09:50:32.3,46.33N,151.35E,h47km,mb4.7/26,mb4.8/15, Ms4.1/11,Ms7 3.8/11

ISC 15 09:50:29.4,0.6,45.61N,0.09,151.67E,0.06,h32km,n129, c1985/127,mb4.4/33,M3.8/7,7C,Kuril Islands

Main station list table for the fourth section, including stations like KUR Kuril'sk, KUR 51nm,0.3s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUZ Kuaotunu, MXZ Matakoaka Point, RVAZ Rivearhead Bore, etc.

IDC 15 09:33:35.2,6.8,3.32N,127.65E,h0km,mb3.7/3, mb1 3.9/3,mb1mx3.4/52,mbtmp3.7/3,Error ellipse: s-maj=147.3km s-min=108.0km az=78.0,Talau Islands

IDC 15 09:36:04.0,7.7,2.45N,126.17E,h0km,mb3.5/4, mb1 3.7/4,mb1mx3.3/52,mbtmp3.6/4,Error ellipse: s-maj=128.6km s-min=102.2km az=123.0,Northern Molucca Sea

ISCJBJ 15 09:39:46.9,0.6,1.9,67S,0.04,69.39W,0.09,h110km,5km, mb3.8/4,Error ellipse: s-maj=14.0km s-min=6.9km az=177.0

GUC 15 09:39:47.6,0.5,1.9,68S,69.35W,h99km,3km,ML3.8

IDC 15 09:39:50.2,2.2,1.9,62S,68.92W,h124km,2.1km,mb3.6/4, mb1 3.6/6,mb1mx3.3/39,mbtmp3.9/6,Error ellipse: s-maj=40.4km s-min=18.8km az=98.0

ISC 15 09:39:47.4,0.8,1.9,66S,0.05,69.32W,0.09,h101km,7km, n18,c198/23,mb3.8/4,4C-2D,Northern Chile

Main station list table for the fifth section, including stations like PB11 IPOC Station P, PB08 IPOC Station P, etc.

NIED 15 09:50:00.45,50N,152,20E,h26km,Mw3.9 Best double couple: Mb8.700N,1014 NP1,8146,00000,878,00000, 1.0,00000, NP2,236,00000,890,00000,1,168,00000, SKHL 15 09:50:20.7,0.7,4.4,78N,152.63E,h43km,6km,mb4.2/2

JMA 15 09:50:23.0,2.0,7.4,55N,152.21E,h30km,M4.2

ISCJBJ 15 09:50:26.0,0.5,45.48N,0.08,151.79E,0.08,h32km, mb4.2/33,M3.5/7,Error ellipse: s-maj=12.8km s-min=3.4km az=146.7

IDC 15 09:50:28.8,5.5,45.71N,151.83E,h33km,39km,mb3.7/14, mb1 3.8/18,mb1mx3.6/73,mbtmp3.8/18,ML3.4/2,MS3.0/8, Mb1 3.1/8,ms1mx2.7/67,Error ellipse: s-maj=42.9km s-min=16.8km az=168.0

NEIC 15 09:50:30.2,0.8,46.24N,151.30E,h10km,mb4.7/8,Error ellipse: s-maj=22.0km s-min=9.0km az=145.0

BUI 15 09:50:32.3,46.33N,151.35E,h47km,mb4.7/26,mb4.8/15, Ms4.1/11,Ms7 3.8/11

ISC 15 09:50:29.4,0.6,45.61N,0.09,151.67E,0.06,h32km,n129, c1985/127,mb4.4/33,M3.8/7,7C,Kuril Islands

Main station list table for the sixth section, including stations like KUR Kuril'sk, KUR 51nm,0.3s, etc.

Table with columns: SHL, MOKO, TEZP, GUWA, ITAN, TURI, ZIRO, CMAR, ODAN, TAPN, RAMN, JIRN, GUN, PKIN, KKN, DMN, GKN, KOLN, DANN, PYUN, MKAR, KURBB, KLR, WRA, ASAR. Includes station names, codes, and various parameters.

IDC 15 11:05:40.7-43.0, 12:53S-167.99E, h0km, mb4.0/3, mb1 4.2/3, mb1mx3.6/45, mbtmt4.0/3, Error ellipse: s-maj=732.6km s-min=110.3km az=64.0, Santa Cruz Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like STKA, WRA, ASAR.

CSEM 15 11:05:53.8-1.0, 40.17N-3.63W, h2km, ML2.8/25, Error ellipse: s-maj=2.0km s-min=1.5km az=145.0
INMG 15 11:05:55.6-1.5, 40.17N-3.60W, h5km, 2km, ML2.5, Error ellipse: s-maj=1.5km s-min=1.5km az=118.0
SFS 15 11:05:55.0, 40.16N-3.61W, h0km, ML2.6
MDD 15 11:05:55.0-3.0, 40.17N-3.61W, h0km, mblq2.5/49, Error ellipse: s-maj=2.5km s-min=2.2km az=163.0, PRXIMO
MDD EMS: III INTENSIDAD MAXIMA
LDG 15 11:05:56.1-1.0, 40.14N-3.62W, h3km, ML2.6/6, Error ellipse: s-maj=1.9km s-min=1.4km az=127.0
CNRM 15 11:05:59.3, 35.88N-2.81W, h20km, ML3.5
ISC 15 11:05:54.5-1.0, 40.17N-0.02-3.61W:0.01, h6km,gkm, n159, r1938/270, 3C, Spain

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like UCM, ESDC, PAB, ETOR, EPLA, ECHE, EADA, EABA, ETOB, SESP.

Table with columns: SESP, EQES, EMOS, ECAB, AFON, ESAC, PBRG, EQU, EMUR, EBAD, PCBR, PMRV, MTE, EBEN, ELAN, EGOR. Lists stations and their parameters.

Table with columns: EGOR, ERTA, IELO, EORO, ELGU, PVRL, EBER, PESTR, EARI, EMIN, EMIN, EMIN, POLO, EALK, SJPF, ETSF, PCAB, EMIJ. Lists stations and their parameters.

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CASTRO VERDE, BARRANCO-DO-VE, etc.

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

Table of astronomical observations with columns: SPAO, baz, Spitsbergen Ar, SPAO, SPITS, SPITS, TRO, MOR, NSS, KIF, HOPEN, AKN, AKN, HEF, ARAO, ARAO, ARCES, ARCES, NOA, NROA, NROA, HFS, HFS, HFS, SFJD, EKA, FIAO, FIAO, FINES, KLMR, FRB, RES, RES, GERES, GERES, VRAC, VRAC, DAVOX, MLR, ESDC, AKTO, YKA, YKA, BRTR, MDT, ILAR, ILAR, GNI, ULM, MKARB, MKAR, MKAR, TKL, SONM, PDAR, PETK, KOWA, YBH, TORD, TORD, NVAR, TXAR, TXAR, DBIC, LPIG, CMAR

DDA 15 11:51:10.5, 39:90N, 34:78E, h7km, ML2.8
ISC/JB 15 11:51:12.4, 0.6, 39:92N, 0.03, 34:73E, 0.05, h9km, 7km,
Error ellipse: s-maj=6.9km s-min=5.3km az=176.2
ISK 15 11:51:12.1, 40:06N, 34:89E, h25km, ML2.5/1
CSEM 15 11:51:13.0, 2.2, 39:91N, 34:67E, h10km, ML2.5, Error
ellipse: s-maj=5.3km s-min=4.4km az=68.0

Table of astronomical observations with columns: Code, Station Name, Az, Phase ID, Time, Res

KIZT Kizilcal 2.48 246 ePn Pn 11 51 52.9 +0.6

ROM 15 11:51:31.7, 0.2, 39:633N, 0.005, 16:89E, 0.01, h20km, 1km,
Md1.8/5, Southern Italy

Table of astronomical observations with columns: Code, Station Name, Az, Phase ID, Time, Res

WRA Warramunga Arr 54.94 190 P P 12 00 60.0 -0.2
ASAR Alice Springs 58.66 189 P P 12 01 29.1 +2.5

ROM 15 11:51:55.4, 0.2, 39:645N, 0.006, 16:90E, 0.01,
h25km, 2km, ML2.8/24

Table of astronomical observations with columns: Code, Station Name, Az, Phase ID, Time, Res

ASAR Alice Springs 32.03 254 P P 12 33 57.3 -0.7
CMAR Chiang Mai Arr 76.62 295 P P 12 39 23.9 +1.5
ILAR Eielson Array 89.44 18 P P 12 40 27.1 -0.7

IDC 15 12:30:23.6,3.5,23.86Sx179.93E,h506km,55km,mb3.0/6,
mb1 3.3/6,mb1mx2.9/41,mbtmp3.9/6, Error ellipse:
s-maj=50.2km s-min=24.8km az=176.0, South of Fiji

Code Station Name A° AZ° Phase ID Time Res
CTA Charters Tower 31.41 270 P P 12 36 03.8 +0.9
ASAR Alice Springs 41.98 261 P P 12 37 30.2 +0.2
ASAR Eielson Array 89.44 18 P P 12 42 15.9 +0.2

ISC 15 12:32:52.8,2.0,46.34N;0.04x13.19E;0.03,h13km,13km,
n13,0549/25,6C-4D,Austria

Code Station Name A° AZ° Phase ID Time Res
VINO Villanova 0.10 1411 ePg P 12 32 55.5 -0.4
BAD Bernadia 0.11 1591 ePg Sg 12 32 58.0 -0.1
BAD Robic 0.15 3011 ePg Sg 12 32 58.3 +0.2

NEIC 15 12:34:35.9,0.0,41.49Sx172.41E,h5km,ML3.9(WEL),
After WEL.
NEIC Felt at Westport.
WEL 15 12:34:35.4,11'S;9°17'2E;1,h12km,ML4.0/22, South
Island

Code Station Name A° AZ° Phase ID Time Res
DSZ Denniston Nort 0.50 236 P P 12 34 46.0 -0.2
DSZ Denniston Nort 0.50 236 P P 12 34 46.1 -0.1
THZ Tophouse 0.50 126 P P 12 34 44.5 -0.8

NGAZ Ngauruhoe 3.37 48 P Pb 12 35 34.7 -0.5
WPHZ Waipukurua 3.40 67 P Pb 12 35 36.0 +0.4
BHHZ Black Hill Sta 3.44 56 P Pb 12 35 30.9 +1.9

IDC 15 12:50:46.7,1.8,34.73N;142.86E,h0km,mb3.3/4,
mb1 3.4/6,mb1mx3.2/69,mbtmp3.3/6,ML3.2,MS2.5/2,
Ms1 2.5/2,ms1mx2.2/30, Error ellipse: s-maj=45.5km
s-min=23.9km az=76.0

ISCJBJ 15 12:50:49.8,0.8,34.84N;105.142;75E;0.07,h42km,
mb3.4/3, Error ellipse: s-maj=8.5km s-min=6.8km
az=160.1

JMA 15 12:50:51.0,0.5,34.71N;142.65E,h50km,M3.3
ISC 15 12:50:51.3,1.3,34.79N;106.142;77E;0.09,h42km,n18,
e202/27,mb3.5/3, Off east coast of Honshu
Island

Code Station Name A° AZ° Phase ID Time Res
BSO1 Boso 1 1.48 265 P Pn 12 51 14.2 -0.7
BSO1 Boso 1 1.48 265 P Pn 12 51 32.1
CHOU Choshi 1.81 301 P Pn 12 51 20.5 +0.6

IDC 15 12:51:36.0,0.8,0.1637Sx167.73E,h182km,87km,mb3.3/4,
mb1 3.1/5,mb1mx3.2/47,mbtmp3.7/5, Error ellipse:
s-maj=108.2km s-min=29.6km az=166.0, Vanuatu
Islands

Code Station Name A° AZ° Phase ID Time Res
JMK Inhoseki 4.34 344 P Pn 12 51 54.1 -0.6
ASAJ Ashikawa 9.32 359 Pn Pn 12 52 40.0 -2.0
ASAJ Anshin 0.3m,0.3s,baz=338,slow=19,SNR=4.2 S S 12 54 41.0 -5.4

JMA 15 12:52:52.4,0.1,36.31N;138.41E,h1km,1km,MO.0,
Eastern Honshu
Island

Code Station Name A° AZ° Phase ID Time Res
JNN Nakama 0.35 326 eS Sg 12 53 05.0 +1.2
BUJ 15 13:02:38.6,71.16N;10.28W,h8km,mb4.8/13,mb4.9/9,
Ms4.6/6,Ms7.4/36
ISCJBJ 15 13:02:41.4,0.7,71.22N;0.02;9.98W;0.07,h13km,3km,
mb4.3/52,MS3.9/62, Error ellipse: s-maj=4.2km
s-min=2.8km az=138.1

JMIC Jan Mayen 0.54 130 Lg Lg 13 03 00.5
JMIC Jan Mayen 0.54 130 Pn Pn 13 02 53.6 -0.2
JMIC Jan Mayen 0.54 130 Sg Sg 13 03 00.1 -0.8

IDC 15 12:50:46.7,1.8,34.73N;142.86E,h0km,mb3.3/4,
mb1 3.4/6,mb1mx3.2/69,mbtmp3.3/6,ML3.2,MS2.5/2,
Ms1 2.5/2,ms1mx2.2/30, Error ellipse: s-maj=45.5km
s-min=23.9km az=76.0

ISCJBJ 15 12:50:49.8,0.8,34.84N;105.142;75E;0.07,h42km,
mb3.4/3, Error ellipse: s-maj=8.5km s-min=6.8km
az=160.1

JMA 15 12:50:51.0,0.5,34.71N;142.65E,h50km,M3.3
ISC 15 12:50:51.3,1.3,34.79N;106.142;77E;0.09,h42km,n18,
e202/27,mb3.5/3, Off east coast of Honshu
Island

Code Station Name A° AZ° Phase ID Time Res
DAG Danmarks Havn 5.98 340 iP S 13 04 10.3 -1.2
DAG Danmarks Havn 5.98 340 iS S 13 04 10.6 -0.9
DAG Danmarks Havn 5.98 340 iS S 13 04 10.3 -1.2

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Anamosa, Alexandroupoli, ALN, ALM, M39A, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like N41A, N41A, Q38A, RAYN, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like NEST, ABTX, Q42A, PEMO, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like 543A Fulton Ridge, 440A Witts Springs, 440A Witts Springs, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like 444B Burton Farm, M54A Oil Creek Stat, M54A Oil Creek Stat, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like PLAL Pickwick Lake, W47A Westpoint, X46A Booneville, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like V53A Saluda, V53A Saluda, V53A Piedmont, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LPAZ Riachuelo, RCBR Riachuelo, GO02 Mina Guanaco, etc.

DDA 15 14:40:01.3,38:17N:38:48E,h7km,ML2.9
ISK 15 14:40:01.8,38:14N:38:45E,h12km,ML2.3/2
ISCJB 15 14:40:02.0,5,38:15N:0:03:38:44E:0.04,h11km,5.6km,

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

IDC 15 14:44:29.1:8.1,22:88N:11:83W,h0km,mb3.5/2,
mb1 3.7/4,mb1mx3.4/5,mbmtpp3.6/4,ML3.7/1,Error
ellipse: s-maj=194.8km s-min=36.2km az=71.0,

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KOWA Kowa, KOWA Kowa, IH1CV MAIO ISLAND IN, etc.

IDC 15 14:54:35.7:1.0,7:67S:128:92E,h0km,mb3.9/8,
mb1 4.1/1,mb1mx3.9/47,mbtmp4.0/11,ML4.2/3,MS3.5/3,
MS1 3.5/3,ms1mx2.8/51,Error ellipse: s-maj=67.9km

ISCJB 15 14:54:36.5:0.4,7:99S:0:03:128:53E:0.06,h10km,
mb3.9/9,MS3.5/3,Error ellipse: s-maj=9.1km s-min=3.6km
az=179.6

NEIC 15 14:54:46.0:0.9,8:03S:128:83E,h98km,11km,mb4.2/5,
Error ellipse: s-maj=11.4km s-min=9.0km az=70.0
DJA 15 14:54:47.4:0.2,8:2:8:12:9E:.,h73km,27km,MB4.5/13,
mb4.5/9,mb4.9/3,MLV4.5/13,Mw(mB)4.2/3

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

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WB2 Warramunga Arr, WB2 Warramunga Arr, WB2 Warramunga Arr, etc.

ISK 15 15:05:02.9,37:24N:28:16E,h5km,ML2.5/4
ISCJB 15 15:05:03.6:0.5,37:23N:0:03:28:22E:0.03,h0km,Error
ellipse: s-maj=4.3km s-min=3.8km az=33.4

CSEM 15 15:05:03.7:0.2,37:24N:28:22E,h1km,ML2.5,Error
ellipse: s-maj=4.3km s-min=3.5km az=53.0,Suspected
Mining explosion.

DDA 15 15:05:03.1,37:20N:28:21E,h7km,ML2.4,Suspected
Mining explosion.

ISC 15 15:05:04.1:1.0,37:22N:0:02:28:19E:0.02,h0km,n31,
c078/47,Turkey

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

NSSP 15 15:09:12.4,38:93N:44:50E,h7km,Ms3.1
DDA 15 15:09:12.1,38:99N:44:51E,h7km,ML2.9
TEH 15 15:09:13.7,38:96N:44:35E,h1km,ML2.9

ISK 15 15:09:14.6,39:05N:44:38E,h5km,ML3.0/2
CSEM 15 15:09:14.4:0.3,38:92N:44:36E,h2km,ML3.0,Error
ellipse: s-maj=6.9km s-min=6.6km az=170.0

ATA 15 15:09:14.3:1.4,39:03N:44:40E,h4km,23km,ML3.7,
MW3.7

ISC 15 15:09:14.8:1.1,38:98N:0:02:44:37E:0.02,h0km,9km,
n44,c157/69,TC-20,Turkey-Iran border region

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GEVA, BITLIS, YOVA, GRS, DIGO, EATA, EAK, EKAR, CUKT, GURO, HOMI, IHRS, ERZM, DGRG, NIED, IDC, NEIC, JMA, ISCBJ, etc.

NIED 15:19:00.27.10N.143.40E, h36km, Mw4.0 Best double couple: Mo1.060000x1015 NP1.2990000, 840.00000, lambda=114.00000, NP2.149.00000, delta.00000, lambda=71.00000

IDC 15:19:30.4.0.6.26.94N.143.70E, h0km, mb3.8/1.6 mb1 3.9/20, mb1mx3.8/6.4, mbtmp3.8/20, ML3.5/2, MS2.8/5, Ms1 2.9/5, ms1mx2.5/62, Error ellipse: s-maj=16.9km s-min=14.5km az=87.0

NEIC 15:19:32.2.0.4.26.91N.143.61E, h10km, mb4.6/3, Error ellipse: s-maj=9.8km s-min=8.4km az=218.0

JMA 15:19:34.9.27.09N.143.38E, h90km, M4.1

ISCBJ 15:19:35.2.0.5.27.26N.143.49E, h33km, mb4.0/20, MS3.0/2, Error ellipse: s-maj=7.4km s-min=5.3km az=43.2

ISC 15:19:36.7.0.7.27.13N.143.50E, h35km, n57, a=1567/60, mb3.8/20, Bonin Islands region

Main table for the 15d 15h section, listing station names, coordinates, and other parameters for various seismic events.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NV01, NVAR, PFS, PDAR, HADRS, TXAR, LPAZ.

ISC/JB 15:15:00.06:0.6.48.50N:0.08:155.1E:0.2, h36km, mb3.1/4, Error ellipse: s-maj=18.2km s-min=3.7km az=36.9

MOS 15:15:00.06:4.0.48.33N:155.27E, h41km, mb4.1/1, Error ellipse: s-maj=24.3km s-min=5.5km az=71.2

KRSC 15:15:00.08:7.1.0.48:56N:155.85E, h41km, 20km, ML3.9 IDC 15:15:00:11.5:3.9.48:53N:154.94E, h70km, 39km, mb3.0/4, mb1 3.4/6, mb1mx3.0/65, mbtmp3.4/6, ML3.7/1, Error ellipse: s-maj=61.8km s-min=21.4km az=139.0

ISC 15:15:00.08:4.1.0.48:4N:0.1:155.4E:0.1, h36km, n45, a=138/49, mb3.2/4, 1D, Kuril Islands

Main table for the 2012 JUL section, listing station names, coordinates, and other parameters for various seismic events.

ISC 15:15:32:13.6:2.8.8:81S:114:45E, h0km, mb3.2/3, mb1 3.5/4, mb1mx3.2/57, mbtmp3.3/4, ML3.1/1, Error ellipse: s-maj=162.2km s-min=26.5km az=48.0

ISC/JB 15:15:32:17.3:0.6.8:28S:0.05:115:04E:0.05, h10km, mb3.1/3, Error ellipse: s-maj=7.3km s-min=6.5km az=159.4

DJA 15:15:32:17.7:0.3.8:3S:3:11:5E, h10km, M3.2/10, MLV3.2/10

ISC 15:15:32:16.5:0.8:33S:0:06:114:99E:0:04, h10km, n13, a=1853/15, mb3.3/3, Ball region

Main table for the 2012 JUL section, listing station names, coordinates, and other parameters for various seismic events.

ISC 15:34:08.8:0.5.24:05S:67:69W, h234km, gkm, ML4.0, 2C, Chile-Argentina border region

Main table for the 2012 JUL section, listing station names, coordinates, and other parameters for various seismic events.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB06, PB07, PB14, PB05, PB09, PB03, PB04, PB07, PB07, PB02.

ISC 15:15:37:32.3:0.8.51:79N:159:08E, h45km, 12km, ML3.7, Off east coast of Kamchatka Peninsula

Main table for the 2012 JUL section, listing station names, coordinates, and other parameters for various seismic events.

MEX 15:15:37:35.0:0.4.15:96N:98:87W, h16km, gkm, MD3.6, Off Guerrero

Main table for the 2012 JUL section, listing station names, coordinates, and other parameters for various seismic events.

MEX 15:15:38:44.6:0.5.16:41N:98:63W, h17km, 40km, MD3.5, Near coast of Guerrero

Main table for the 2012 JUL section, listing station names, coordinates, and other parameters for various seismic events.

NIED 15:15:40:45:10N:147:10E, h5km, Mw4.1 Best double couple: Mo1.56000x1015 NP1.2920000, 820.00000, lambda.00000, NP2.149.00000, delta.00000, lambda=71.00000

IDC 15:15:44:17.1:1.6.44:65N:146:91E, h0km, mb3.7/2, mb1 4.1/8, mb1mx3.6/66, mbtmp3.7/8, ML2.8/2, MS2.2/2, Ms1 2.2/2, ms1mx2.1/63, Error ellipse: s-maj=45.8km s-min=19.6km az=174.0

ISC/JB 15:15:44:21.2:0.9.45:22N:0:04:147:10E:0:05, h23km, 8km, mb3.7/7, Error ellipse: s-maj=7.5km s-min=4.4km az=43.0

JMA 15:15:44:22.4:0.7.45:12N:147:14E, h30km, M3.5 SKHL 15:15:44:22.1:0.6.45:12N:147:50E, h62km, 3km, mb4.7/6 MOS 15:15:44:25.1:1.9.45:08N:146:56E, h59km, mb4.2/3, Error ellipse: s-maj=19.9km s-min=9.8km az=79.8

ISC 15:15:44:21.1:1.9.45:16N:0:04:147:12E:0:05, h10km, 13km, n43, a=1953/47, mb3.9/7, 1C-1D, Kuril Islands

Main table for the 2012 JUL section, listing station names, coordinates, and other parameters for various seismic events.

15d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Mudanjiang, Seymchan, Korea Array, WAKE ISLAND, etc.

2012 JUL

Table with columns for station name, frequency, power, and other technical details. Includes stations like Eielson Array, ILAR, EGAK, ZALV, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like NVAR, FINES, GEYT, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BZS, TXAR, TXAR, GERE, GERE, GEAO, CONA, MEM, KBA, VTS, VTS, WATA, WTTA, BFO, MOTA, DAVOX, MMAI, CPUP, SNA.

MEX 15 16:03:44.7-0.7, 15.89N-98.15W, h15km, 32km, MD3.7, Off coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG, TLIG, VHO, MEIG.

MOS 15 16:03:41.7-2.6, 48.70N-156.50E, h24km, mb4.4/1, Error ellipse: s-maj=21.9km s-min=4.9km az=77.4

KRSC 15 16:03:41.8-1.9, 48.70N-156.50E, h24km, 29km, ML4.3, 1C-1D, East of Kuril Islands

Large table listing station codes and names for the Kuril Islands region, including SKR, PAU, KDR, MIPR, ASAK, MTRV, RUS, APC, KRMR, PET, DALK, UGLR, AVH, SMAR, NLC, SDR, KRK, SPN, MKZ, KUR, TUMR, SHO, KBT, YUK, BMR.

ISCJB 15 16:04:43.2-0.9, 10.41S-0.10E, 162.41E-0.10, h35km, mb3.9/9, Error ellipse: s-maj=16.2km s-min=10.7km az=43.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR, HNR, HNR, DZR, CTA, WRA, STKA, H1S2, H1S3, H1S1, ASAR, H1N1, H1N2, FITZ, ASAJ, CMAR, SONM, MKAR, KURBB.

MEX 15 16:21:48.6-0.4, 16.47N-98.58W, h16km, 5km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PNIG, TLIG, CAIG, MEIG, VHO.

IDC 15 17:02:24.1-0.9, 24.85N-45.86W, h0km, mb3.7/10, s-maj=31.6km s-min=20.2km az=177.0, Northern Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H1O2, H1O3, H1O1, H1O2, LPAZ, TXAR, GERE, PDAR, NVAR, BRTR, ILAR, KURBB, ZALV.

IDC 15 17:04:32.7-0.6, 24.83N-45.94W, h0km, mb4.1/22, mb1.4/322, mb1mx4.0/61, mbtmp4.1/22, MS3.9/29, Ms1.3/929, ms1mx3.8/39, Error ellipse: s-maj=18.1km s-min=14.3km az=151.9

ISCJB 15 17:04:33.3-0.5, 24.86N-0.10E, 146.00W-0.08, h15km, mb4.1/25, MS3.9/28, Error ellipse: s-maj=13.9km s-min=10.7km az=166.7

NEIC 15 17:04:34.1-0.3, 24.84N-45.98W, h14km, mb4.0/3, Error ellipse: s-maj=9.9km s-min=8.0km az=168.0

GMCT 15 17:04:34.1-0.3, 24.90N-45.82W, h12km, MW5.0/91, Moment Tensor Solution: s14,c14; s91,c120; Duration: 0 Moment tensor: Scale 10^18Nm; Mr-3.08E-10; Mw1.63E-12; Mw1.45E-09; Mw1.81E-10; Mw1.51E-08; Mw1.15E-07; Best double couple: M3.37300x10^16 N144.42,0000; P3.57,0000; N1.95,0000; NP2; p231,0000; 33.0,0000; 32.0000; Principal axes: P 3.3480, Plg12.0000; Azm136.0000; N 0.0490, Plg4.0000; Azm45.0000; P -3.3970, Plg77.0000; Azm295.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 15 17:04:34.9-0.7, 24.9N-0.1E, 146.0W-0.1, h15km, n59, 1501/31, mb4.2/25, MS3.8/28, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SJD, PCRV, PTGA, SCHO, ROSO, E1, TKL, MDT, SAML, ESTC, JSD, KOWA, SFJD, SIV, DBIC, H1O2, H1O3, H1O1, AGMN, H1O3, YUK.

Large table listing station codes and names for the 15d 18h region, including H1O1, H1O2, ULM, ULM, LPAZ, TOR, TOR, WMOK, NNA, KEST, DAVOX, FFC, TXAR, TXAR, TXAR, CLL, GERE, GERE, ANMO, NOA, HFS, HFS, RLMT, PDAR, BW06, HWK, YKUT, FINES, SPITS, MLR, ARCES, NVAR, NVAR, INK, BRTR, PLCA, ILAR, KBZ, GNI, AKTO, ATD, KMB, BVAR, KURB, KURBB, ZALV, NIED, SKHL, JMA, BUJ, NEIC, ISCB, MOS, ISC, KUR, KUR, KUR, KUR, KUR, KUR, KUR, KUR, SHO, SHO, SHO, SHO, SHO, SHO, SHO, SHO, SHO, SHO, SHO, YUK.

15d 18h

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

2012 JUL

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PRU Pruhonice, KRUC Moravy, MODS Modra-Piesok, etc.

JMA 15 18:10:17.0, 0.3, 33.39N, 137.71E, h372km, 3km, M3.2
ISCJB 15 18:10:19.5, 0.6, 33.59N, 137.68E, 0.08, h352km, mb2.8/4, Error ellipse: s-maj=13.0km s-min=8.0km

DDC 15 18:10:20.7, 1.1, 33.55N, 137.57E, h347km, 23km, mb2.7/4, mb1.9/6, mb1mx2.6/2, mbtmp3.3/6, Error ellipse: s-maj=59.2km s-min=17.6km az=58.0

ISC 15 18:10:20.4, 1.0, 33.7N, 0.1, 137.68E, 0.09, h352km, n19, o080/20, mb2.9/4, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMK Hamakita, JKN2 Misakino, JKO Obara, etc.

GUC 15 18:33:25.0, 0.6, 34.81S, 72.66W, h20km, 6km, ML3.5, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like G005 Hualae0, G006 Los Niches, NICH Los Niches, etc.

NNC 15 18:47:22.0, 3.0, 37.06N, 70.79E, h0km, mb3.8, mpv3.5, 4C-6D, Error ellipse: s-maj=25.1km s-min=20.5km az=146.0, Afghanistan-Tajikistan border region

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

ISCJB 15 18:49:32.7, 0.7, 54.32N, 0.1, 10.35E, 0.1, h10km, m3.7/13, MS3.6/36, Error ellipse: s-maj=16.4km s-min=9.2km az=36.2

DDC 15 18:49:33.1, 0.9, 54.31N, 35.06W, h0km, mb3.7/13, mb1.3/14, mb1mx3.6/12, mbtmp3.7/14, ML3.0/1, MS3.6/38, Ms1.3/6/38, ms1mx3.5/68, Error ellipse: s-maj=27.9km s-min=15.8km az=11.0

GCMT 15 18:49:36.0, 0.5, 54.21N, 35.18W, h28km, 1km, MW4.8/6.5, Moment Tensor Solution, s14.c15, s65.c93, Duration: 0, Moment tensor: Scale 1019N, Mr=1.94, 22; Mw=0.09, 13; M1=1.86, 14; M2=0.92, 20; Mw=0.10, 08; Mw=0.15, 16; Best double couple: Mo2.0890, 1016 NP1.3, 156.0000, 652.0000, -117.0000, NP2: 0.16, 0000, 345.0000, -60.0000, Principal axes: T 1.8790, Plg4.0000, Azm2.655.0000, N 0.4270, Plg21.0000, Azm1.74.0000, P -2.2990, Plg69.0000, Azm4.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ISC 15 18:49:34.4, 0.8, 43.42N, 135.05W, 0.1, h10km, n44, o083/16, mb3.8/13, MS3.5/36, Reykjanes Ridge

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFJD Kangerlussuaq, SFJD Sadoya, EKA Eskdalemuir, etc.

NEIC 15 18:50:13.8, 0.0, 53.68N, 164.29W, h44km, ML3.6(AEIC), After AEIC, Unimak Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WESE West Dahl East, WESP West Dahl Peak, AKSA Akutan Strait, etc.

ISCJB 15 18:50:54.0, 0.5, 0.42N, 0.06E, 126.85E, 0.05, h33km, mb3.8/9, Error ellipse: s-maj=8.0km s-min=7.6km az=17.5

DJA 15 18:50:55.4, 0.9, 0.4, 12.7E, h21km, 11km, M4.4/6, mb4.6/2, MLV4.3/6

DDC 15 18:50:56.1, 3.4, 0.54N, 127.10E, h35km, 28km, mb3.6/9, mb1.3/7.10, mb1mx3.5/4, mbtmp3.8/10, ML3.6/1, Error ellipse: s-maj=47.0km s-min=13.6km az=75.0

ISC 15 18:50:56.1, 0.7, 0.41N, 0.06E, 126.87E, 0.05, h35km, n19, o132/22, mb3.8/9, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TNTI Ternate, LBMI Labuha, SANI Sanana, etc.

ISK 15 18:58:22.6, 37.01N, 36.76E, h6km, ML2.7/4, ISCJB 15 18:58:23.1, 0.5, 37.03N, 102.36E, 0.03, h1km, 5km, Error ellipse: s-maj=4.2km s-min=3.7km az=162.6

DDA 15 18:58:23.1, 37.02N, 36.70E, h8km, ML3.3, CSEM 15 18:58:23.4, 0.2, 37.02N, 36.71E, h2km, ML3.1, Error ellipse: s-maj=4.0km s-min=3.6km az=156.0

ISC 15 18:58:23.2, 1.0, 37.02N, 102.3672E, 0.02, h8km, 10km, n41, o054/64, Turkey

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

ISCJB 15 19:06:03.4, 0.9, 18.3S, 0.3, 178.1W, 0.2, h557km, mb3.8/13, Error ellipse: s-maj=38.0km s-min=12.4km az=152.0

DDC 15 19:06:03.0, 1.7, 18.29S, 178.01W, h538km, 18km, mb3.4/13, mb1.3/7.14, mb1mx3.4/4, mbtmp4.3/14, Error ellipse: s-maj=31.2km s-min=11.7km az=148.0

ISC 15 19:06:04.2, 1.0, 18.3S, 0.3, 178.0W, 0.2, h557km, n22, o098/23, mb3.8/13, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AFI Afiamalu, CTA Charters Tower, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like TXAR, ILAR, PDAR, CMAR, MKAR, etc.

ATA 15 19:10:33.7z 1.2, 38.27N:43.43E, h23km, 10km, ML3.5, MW3.2
ISK 15 19:10:35.9, 38.50N:43.17E, h10km, ML2.6/2
CSEM 15 19:10:36.7, 0.2, 38.52N:43.21E, h10km, ML3.0, Error ellipse: s-maj=7.0km s-min=4.9km az=150.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like TVAN, VANB, GEVA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like GEVA, BITLIS, ADCV, etc.

ISCJB 15 19:12:58.5, 1.2, 10.45S:0.1, 161.8E:0.1, h61km, mb3.7/6, Error ellipse: s-maj=23.2km s-min=13.8km az=38.7
IDC 15 19:13:02.5, 3.0, 10.39S:161.66E, h74km, mb3.5/6, mb1 3.5/7, mb1mx3.3/5.0, mbtmp3.7/7, Error ellipse: s-maj=30.0km s-min=20.0km az=65.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like HNR, DZM, WRA, ASAR, FITZ, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like MKAR, KURBE, NIED, MOS, etc.

JMA 15 19:31:21.0, 3.6, 15N:139.82E, h52km, 1km, M4.8 Broadband fault plane solution: P waves, NP1: phi26.00000, delta2.00000, lambda2.00000, NP2: phi255.00000, delta3.00000, lambda1.00000, Principal axes: T P1: 62.00000, Azm252.00000, N P1: 2.9780, P1: 1.00000

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like JYT, JAG, JAT, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like JYT, JAG, JAT, etc.

ISC 15 19:31:30.4, 0.4, 36.09N:103.38E, h60km, 3km, h60km, p-P, n47.6, phi190/524, mb4.7/160, 38C-24D, Eastern Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like JYT, JAG, JAT, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like JYT, JAG, JAT, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like JYT, JAG, JAT, etc.

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

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

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

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

SSLB Suanglung 20.41 238 eP P 19 36 01.0 -1.5
YULB Yu-li 20.41 237 eP P 19 35 59.8 -2.9
PETK Petropavlovsk 21.14 31 eP P 19 36 08.5 -1.6

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PETK, PET, PET, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PETK, PET, PET, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PETK, PET, PET, etc.

785

Table with columns: YAK, Name, Frequency, Power, SNR, and other parameters. Includes entries like Yakutsk, Songino Array, WAKE ISLAND, Lanzhou, etc.

2012 JUL

Table with columns: Name, Frequency, Power, SNR, and other parameters. Includes entries like WMQ, LSA, LSA, LSA, etc.

15d 19h

Table with columns: Name, Frequency, Power, SNR, and other parameters. Includes entries like GSI, KK31, KK31, KK31, etc.

15d 20h

Table of astronomical data for 15d 20h, listing objects like ISAL, IGIN, NACGM, J08A, MZR, AKASG, etc., with their coordinates and other parameters.

2022 JUL

Table of astronomical data for 2022 JUL, listing objects like KSP, MORC, PFO, LCMT, MTPU, etc., with their coordinates and other parameters.

786

Table of astronomical data for 786, listing objects like PPT2, BFO, FETA, DAVA, T25A, etc., with their coordinates and other parameters.

MOS 15 20:05:02.9 1.4, 13:49S:73:75W, h63km, mb5.2/24, Error ellipse: s-maj=13.7km s-min=6.8km az=111.7

Table with columns: Code, Station Name, Az, ZP, Phase ID, ISC, h, m, s, ISC, Time, Res. It lists various station codes and their associated data.

PTGA	Pitinga	18.64 48 eP	Pn	20 09 19.0 -0.2
PTGA	Norcasia	19.02 356 eP	S	20 12 38.5 -7.1
NORC	La Rusia	19.32 2 eP	Pn	20 09 24.4 +0.6
RUSC	El Roble	19.32 2 eP	Pn	20 09 28.1 +0.3
RUSC	La Rusia	19.32 2 eP	Pn	20 09 28.4 +0.6
ROCI	El Roble	19.50 173 eP	P	20 09 25.0 -2.5
HELCO	Santa Helena	19.69 355 eP	P	20 09 30.8 +1.0
HELCO	Santa Helena	19.69 355 eP	P	20 09 30.3 +0.5
PEL	Peidehue	19.70 172 eP	P	20 09 28.6 -0.8
PEL	Peidehue	19.70 172 eP	P	20 09 28.6 -0.8
CPUP	Villa Florida	19.94 132 P	P	20 09 32.9 +0.9
CPUP	Villa Florida	19.94 132 P	P	20 18 58.2
TAMC	Tame, Arauca	19.94 6 eP	P	20 09 33.2 +1.0
PTBC	PUERTO BERRIO,	19.97 358 eP	P	20 09 33.5 +1.0
BRRC	Barichara	20.02 2 eP	Pn	20 09 34.5 -1.1
BARC	Barranca Sant	20.02 360 eP	P	20 09 35.0 +0.6
PAMC	Pamplona, Colo	21.78 3 eP	P	20 09 42.5 +0.9
ZARC	Zaragoza, Cauc	20.93 357 eP	P	20 09 43.6 +0.7
OAC	Ocana	21.65 1 eP	P	20 09 49.7 -0.9
CAVC	Capurgana	22.33 350 eP	P	20 10 02.3 +4.5
SDV	Santo Domingo	22.18 8 P	P	20 09 59.8 +0.1
CODC	Agust-ñ Codaz	23.33 1 eP	P	20 10 02.6 -5.2
PCRV	Puerto La Cruz	25.23 21 LR	LR	20 21 27.0
JTS	Juntas Abangare	26.19 334 P	P	20 10 35.0 +1.4
JTS	Juntas Abangare	26.19 334 P	P	20 20 41.4
JTS	Juntas Abangare	26.19 334 P	P	20 10 35.0 +1.4
PLCA	Paso Flores	27.12 175 eP	P	20 10 40.6 -2.2
PLCA	Paso Flores	27.12 175 eP	P	20 20 00.6
PLCA	Paso Flores	27.12 175 eP	P	20 10 42.3 -0.5
PLCA	Paso Flores	27.12 175 eP	P	20 10 42.3 -0.5
CMIG	Matias Romero	36.93 325 LR	LR	20 26 54.6
059A	Moore Haven	40.91 350 P	P	20 12 41.5 +0.7
058A	Arcadia	41.12 349 P	P	20 12 43.1 +0.5
959A	Okeechobee	41.42 350 P	P	20 12 45.6 +0.6
957A	Wilmauma	41.80 349 P	P	20 12 48.6 +0.5
859A	Kempfer Cattle	41.94 350 P	P	20 12 49.9 +0.6
556A	Lake Butler	44.10 349 P	P	20 13 06.7 0.0
553A	Crawfordville	44.69 347 P	P	20 13 11.8 +0.5
453A	Whigham	45.31 347 P	P	20 13 16.5 +0.2
453A	Whigham	45.31 347 eP	P	20 13 16.5 +0.2
452A	Marianna	45.50 346 P	P	20 13 17.7 0.0
LNIG	Linares	45.73 327 eP	P	20 13 19.4 -0.4
353A	Camilla	45.76 347 P	P	20 13 19.8 0.0
450A	Crestview	45.80 344 P	P	20 13 20.3 +0.2
255A	Hazlehurst	45.99 350 P	P	20 13 21.9 +0.2
255A	Hazlehurst	45.99 350 eP	P	20 13 22.4 +0.7
351A	Pinckard	46.01 346 P	P	20 13 21.7 -0.1
352A	Blakely	46.05 347 P	P	20 13 22.0 0.0
254A	Abbeville	46.16 349 P	P	20 13 23.4 +0.4
BRAL	Brewton	46.27 344 P	P	20 13 24.0 +0.1
350A	Dozier	46.33 345 P	P	20 13 23.9 -0.4
253A	Americus	46.44 348 P	P	20 13 25.2 +0.1
349A	Repton	46.48 344 P	P	20 13 25.3 -0.1
252A	Lumpkin	46.50 347 P	P	20 13 25.3 -0.3
446A	Poplarville	46.58 341 P	P	20 13 26.7 +0.4
155A	Kite	46.67 350 P	P	20 13 27.1 +0.2
251A	Midway	46.74 346 P	P	20 13 27.1 -0.4
154A	Montrose	46.77 349 P	P	20 13 27.5 -0.3
NHSC	New Hope	46.80 353 P	P	20 13 28.5 +0.6
250A	Grady	46.84 345 P	P	20 13 27.7 -0.6
250A	Grady	46.84 345 eP	P	20 13 28.0 -0.3
347A	Saraland	46.91 343 P	P	20 13 28.3 -0.5
249A	Camden	47.05 344 P	P	20 13 29.6 -0.3
151A	Opelika	47.14 347 P	P	20 13 30.0 -0.7
152A	Waverly Hall	47.15 347 P	P	20 13 30.1 -0.5
346A	Big Creek Wild	47.17 342 P	P	20 13 30.4 -0.4
254A	Sparta	47.33 350 P	P	20 13 31.4 -0.7
248A	Dixon Mills	47.33 344 P	P	20 13 31.7 -0.4
150A	Eclectic	47.38 346 P	P	20 13 32.1 -0.4
253A	Monticello	47.51 349 P	P	20 13 32.8 -0.7
247A	Quitman	47.54 343 P	P	20 13 32.8 -0.8
149A	Jones	47.56 345 P	P	20 13 32.9 -1.0
252A	Williamson	47.59 348 P	P	20 13 33.7 -0.3
GOGA	Godfrey	47.62 349 P	P	20 13 33.7 -0.5
GOGA	Godfrey	47.62 349 P	P	20 13 31.6 -2.7
GOGA	Godfrey	47.62 349 P	P	20 13 31.6 -2.7
GOGA	Godfrey	47.62 349 P	P	20 13 31.6 -2.7
148A	Greensboro	47.81 344 P	P	20 13 35.0 -0.8
251A	Franklin	47.87 347 P	P	20 13 35.8 -0.5
245A	Little AP, Sta	47.90 341 P	P	20 13 36.2 -0.4
Y54A	Tignall	47.91 350 P	P	20 13 36.5 -0.1
Z50A	Ashland	47.98 346 P	P	20 13 36.4 -0.8
Z50A	Ashland	47.98 346 eP	P	20 13 36.3 -0.8
147A	Livingston	48.02 343 P	P	20 13 36.7 -0.7
LRAL	Lakeview Retre	48.03 345 P	P	20 13 36.5 -1.1
LRAL	Lakeview Retre	48.03 345 eP	P	20 13 36.4 -1.1
Z49A	Columbiana	48.06 346 P	P	20 13 36.8 -0.9
Y53A	Monroe	48.07 349 P	P	20 13 37.3 -0.4
342A	Flagon Creek P	48.11 338 P	P	20 13 38.6 +0.5
244A	Avery, Jackson	48.16 341 P	P	20 13 38.0 -0.5
Y52A	Lilburn	48.17 348 P	P	20 13 38.0 -0.6

Y52A	Lilburn	48.17 348 eP	P	20 13 38.0 -0.6
146A	Union	48.21 343 P	P	20 13 39.1 +0.1
146A	Union	48.21 343 eP	P	20 13 39.8 0.0
HKT	Hockley	48.22 334 eP	P	20 13 37.7 -1.2
HKT	Hockley	48.22 334 eP	P	20 13 37.7 -1.2
341A	Kurthwood	48.38 338 P	P	20 13 40.4 +0.2
Y51A	Rockmart	48.41 347 P	P	20 13 39.7 -0.7
145A	Houston Renfro	48.44 342 P	P	20 13 40.1 -0.6
Z47A	Carrollton	48.47 344 P	P	20 13 40.2 -0.6
833A	Chaparral WMA	48.49 329 P	P	20 13 41.1 0.0
Z48A	Northport	48.50 344 P	P	20 13 40.0 -1.0
Y50A	Piedmont	48.55 347 P	P	20 13 40.7 -0.8
X53A	Estanolee	48.65 349 P	P	20 13 41.5 -0.7
Y49A	Blount Mountai	48.67 346 P	P	20 13 41.5 -0.9
Y49A	Blount Mountai	48.67 346 eP	P	20 13 41.0 -1.4
Z46A	Louisville	48.70 343 P	P	20 13 42.3 -0.4
X52A	Dahlonega	48.85 349 P	P	20 13 42.8 -1.0
Y48A	Jasper	48.91 345 P	P	20 13 43.0 -1.2
KM5C	Kings Mountain	48.96 352 P	P	20 13 44.6 0.0
X51A	Calhoun	49.01 348 P	P	20 13 44.3 -0.6
Y47A	UCPARC, Winfie	49.07 344 P	P	20 13 44.5 -1.0
X50B	Fort Payne	49.08 347 P	P	20 13 44.6 -0.9
Z45A	Winston	49.09 342 P	P	20 13 45.3 -0.3
Z44A	Pea Ridge, Bel	49.22 341 P	P	20 13 46.2 -0.4
W53A	Cullowhee	49.27 350 P	P	20 13 46.9 -0.2
X49A	Woodville	49.28 346 P	P	20 13 46.0 -1.0
Y46A	Houston	49.33 343 P	P	20 13 46.2 -1.2
W52A	Murphy	49.34 349 P	P	20 13 47.2 -0.3
X48A	Hartselle	49.39 345 P	P	20 13 46.8 -1.1
141A	Papa Simpson,	49.43 339 P	P	20 13 48.5 +0.3
Y45A	Yeager Farm, C	49.50 343 P	P	20 13 48.3 -0.5
W51A	Cleveland	49.56 348 P	P	20 13 48.7 -0.5
X47A	Russelville	49.66 345 P	P	20 13 48.3 -1.6
435B	Jarrell	49.70 333 P	P	20 13 50.5 +0.1
V53A	Saluda	49.70 350 P	P	20 13 49.9 -0.4
W50A	Signal Mountai	49.71 348 P	P	20 13 49.6 -0.8
W50A	Signal Mountai	49.71 348 eP	P	20 13 49.7 -0.8
CPCT	Cover Cave	49.80 348 eP	P	20 13 50.1 -0.8
W49A	Belvidere	49.84 347 P	P	20 13 50.1 -1.2
TKL	Tuckalee Creek	49.86 349 P	P	20 13 50.6 -0.8
TKL	Tuckalee Creek	49.86 349 P	P	20 38 35.2
X46A	Booneville	49.88 344 P	P	20 13 50.2 -1.4
Y43A	Makayla and Ka	49.97 341 P	P	20 13 52.1 -0.1
X45A	UM Field Stati	49.98 343 P	P	20 13 51.3 -1.1
Z41A	Richland Creek	49.98 339 P	P	20 13 52.5 +0.1
Z41A	Richland Creek	49.98 339 eP	P	20 13 51.9 -0.5
V52A	Sevierville	50.00 350 P	P	20 13 51.5 -1.0
V52A	Sevierville	50.00 350 eP	P	20 13 52.2 -0.4
W48A	Pulaski	50.02 346 P	P	20 13 51.4 -1.3
OXF	Oxford	50.07 343 P	P	20 13 51.8 -1.3
OXF	Oxford	50.07 343 eP	P	20 13 51.2 -1.8
OXF	Oxford	50.07 343 eP	P	20 13 51.2 -1.8
V51A	Loudon	50.10 349 P	P	20 13 52.5 -0.8
V51A	Loudon	50.10 349 eP	P	20 13 52.3 -1.0
V50A	Pikeville	50.12 348 P	P	20 13 52.6 -0.9
PLAL	Pickwick Lake	50.15 345 eP	P	20 13 52.1 -1.6
Y42A	Garnett, Star	50.17 340 P	P	20 13 54.4 +0.6
Z40A	Long Farm, Mag	50.20 338 P	P	20 13 54.7 +0.6
W47A	Westpoint	50.29 345 P	P	20 13 53.3 -1.4
U53A	Fall Branch	50.34 351 P	P	20 13 54.7 -0.4
W46A	Michie	50.37 344 P	P	20 13 53.8 -1.6
V49A	McMinnville	50.38 347 P	P	20 13 54.3 -1.2
JCT	Junction City	50.47 331 P	P	20 13 55.9 -0.3
Y41A	Eagletee Beard	50.48 340 P	P	20 13 56.2 0.0
U52A	Thorn Hill	50.50 350 P	P	20 13 55.5 -0.8
V48A	Smith Brothers	50.57 346 P	P	20 13 55.7 -1.1
V48A	Smith Brothers	50.57 346 eP	P	20 13 55.5 -1.3
U51A	La Follette	50.60 349 P	P	20 13 56.2 -0.9
W45A	Hicory Valley	50.61 344 P	P	20 13 55.7 -1.4
WHTX	Lake Whitney,	50.68 334 P	P	20 13 56.5 -1.2
TZTN	Tazewell	50.68 350 P	P	20 13 57.0 -0.7
TZTN	Tazewell	50.68 350 eP	P	20 13 56.7 -1.0
U50A	Jamestown	50.79 348 P	P	20 13 57.4 -1.1
V47A	Nunnely	50.82 346 P	P	20 13 57.1 -1.6
Y40A	Okolona	50.84 339 P	P	20 13 58.8 0.0
BLA	Blacksburg	50.88 353 P	P	20 13 59.4 +0.2
BLA	Blacksburg	50.88 353 eP	P	20 13 55.9 -3.3
BLA	Blacksburg	50.88 353 eP	P	20 13 55.9 -3.3
V46A	Holladay	50.94 345 P	P	20 13 57.5 -2.0
X41A	Kaon, Bauxite	51.01 340 P	P	20 13 59.8 -0.3
U49A	Red Boiling Sp	51.08 347 P	P	20 13 59.3 -1.3
X40A	Basin Creek Fa	51.11 340 P	P	20 14 00.4 -0.5

T52A	Hallie	51.13 350 P	P	20 14 00.5 -0.6
T51A	Gray	51.16 349 P	P	20 14 00.6 -0.6
WWT	Waverly	51.18 345 P	P	20 13 59.7 -1.6
WWT	Waverly	51.18 345 eP	P	20 13 58.6 -2.8
WWT	Waverly	51.18 345 eP	P	20 13 58.6 -2.8
U4LR	University of	51.21 340 eP	P	20 13 59.1 -2.6
U48A	Cassidy Pass	51.24 347 P	P	20 14 00.6 -1.3
U47A	Clarksville	51.35 346 P	P	20 14 01.0 -1.6
T50A	Nancy	51.38 349 P	P	20 14 01.8 -1.1
MIAR	Mount Ida	51.42 339 P	P	20 14 02.8 -0.5
MIAR	Mount Ida	51.42 339 eP	P	20 14 02.6 -0.5
MIAR	Mount Ida	51.42 339 eP	P	20 14 02.7 -0.5
TX31	Lajitas Ar. Si	51.52 326 eP	P	20 14 03.6 -0.5
TX31	Lajitas Ar. Si	51.52 326 eP	P	20 14 03.9 0.0
TXAR	Lajitas Ar. Si	51.52 326 P	P	20 14 03.7 -0.5
TXAR	Lajitas Ar. Si	51.52 326 P	P	20 14 26.5 +1.2
W41B	Gary Mavity, V	51.55 341 P	P	20 14 03.4 -0.8
W41B	Gary Mavity, V	51.55 341 eP	P	20 14 03.4 -0.8
X39A	Fountain Ranch	51.58 338 P	P	20 14 04.0 -0.4
T49A	Edmonton	51.60 348 P	P	20 14 03.5 -1.0
T49A	Edmonton	51.60 348 eP	P	20 14 03.5 -1.0
U45A	Rockin P Farm,	51.62 344 P	P	20 14 03.9 -0.8
S52A	Salysville	51.71 351 P	P	20 14 04.3 -1.0
S51A	Beattyville	51.76 350 P	P	20 14 05.0 -0.7
U44B	Burton Farm, H	51.77 344 P	P	20 14 04.7 -1.1
T48A	Bowling Green	51.78 347 P	P	20 14 04.9 -1.0
T47A	Sharon Grove	51.83 346 P	P	20 14 05.0 -1.2
T47A	Sharon Grove	51.83 346 eP	P	20 14 05.1 -1.1
W40A	Ferguson Farm,	51.83 340 eP	P	20 14 06.3 +0.1
W40A	Ferguson Farm,	51.83 340 eP	P	20 14 06.4

R43A	Red Bud	baz=174,SNR=6.7	53.75 344	P	P	20 14 19.4	-0.9
P49A	Miami Univ. Ec	baz=160,SNR=6.4	53.80 349	P	P	20 14 19.2	-1.5
S40A	Lebanon	baz=161,SNR=5.8	53.85 342	P	P	20 14 20.0	-1.1
P48A	Milroy	baz=166	53.85 349	P	P	20 14 19.5	-1.6
Q45A	Warren Harvey,	baz=163,SNR=14	53.89 346	P	P	20 14 19.8	-1.5
CCM	Cathedral Cave	baz=159	53.90 343	P	P	20 14 20.8	-0.6
CCM	Cathedral Cave	comp=Z,32nm,0.7s	53.90 343	eP	P	20 14 21.1	-0.4
CCM	Cathedral Cave	CCM	53.90 343	eP	Pmax	20 14 21.1	-0.4
T38A	Diamond	comp=Z,31nm,0.7s	53.92 340	P	P	20 14 20.8	-0.9
R42A	Luebbering	baz=155,SNR=14	53.98 343	P	P	20 14 21.0	-1.1
P47A	Martinsville	baz=160,SNR=5.7	54.04 348	P	P	20 14 21.2	-1.3
SSPA	Standing Stone	baz=165,SNR=9.9	54.05 356	P	P	20 14 21.8	-0.6
SSPA	Standing Stone	baz=175	54.05 356	P	P	20 14 22.1	-0.4
Q44A	Meyer Farm, Va	comp=Z,54nm,1.5s	54.10 345	P	P	20 14 21.7	-1.2
R41A	Rosebud	baz=162,SNR=38	54.17 343	P	P	20 14 22.2	-1.2
ACSO	Alum Creek Sta	baz=159,SNR=14	54.19 351	P	P	20 14 22.5	-1.1
S39A	Bolivar	baz=156,SNR=26	54.20 341	P	P	20 14 22.5	-1.1
N59A	Bolivar	comp=Z,27nm,0.8s	54.20 341	eP	P	20 14 22.6	-1.1
MNTX	State Game Lan	baz=178	54.22 358	P	P	20 14 24.1	+0.4
MNTX	Cornudas Mount	baz=141,SNR=9.1	54.28 327	P	P	20 14 22.9	-1.5
MNTX	Cornudas Mount	comp=Z,8.4nm,1.2s	54.28 327	eP	P	20 14 20.4	-3.9
Q43A	New Douglas	baz=161,SNR=9.5	54.31 345	P	P	20 14 23.3	-1.2
S38A	Stockton	baz=156,SNR=14	54.33 340	P	P	20 14 23.4	-1.1
Q49A	Covington	baz=167	54.37 350	P	P	20 14 23.6	-1.2
P46A	Rosedale	baz=164	54.37 347	P	P	20 14 23.4	-1.4
P45A	Graceland, Par	baz=163,SNR=11	54.40 347	P	P	20 14 23.6	-1.4
P45A	Graceland, Par	comp=Z,36nm,0.8s	54.40 347	eP	P	20 14 23.6	-1.4
R40A	Maddies Statio	baz=158,SNR=11	54.42 342	P	P	20 14 24.0	-1.2
R40A	Maddies Statio	comp=Z,44nm,1.4s	54.42 342	eP	P	20 14 23.7	-1.5
Q42A	Golden Eagle	baz=160,SNR=19	54.50 344	P	P	20 14 25.0	-0.8
N54A	Moraine State	baz=173	54.54 354	P	P	20 14 26.2	+0.2
P44A	Sand Creek, Wi	baz=162,SNR=7.4	54.54 346	P	P	20 14 24.8	-1.3
Q48A	Farmland	baz=166,SNR=11	54.58 349	P	P	20 14 24.8	-1.5
R39A	Chumby, Stover	baz=157,SNR=5.9	54.68 341	P	P	20 14 25.8	-1.3
Q41A	Truxton	baz=159,SNR=11	54.73 343	P	P	20 14 26.3	-1.2
N50A	Nevada	baz=165	54.75 351	P	P	20 14 26.5	-1.0
Q47A	Sheridan	baz=165,SNR=6.8	54.75 348	P	P	20 14 26.0	-1.6
MSTX	Muleshoe	baz=145,SNR=15	54.76 330	P	P	20 14 26.9	-1.0
MSTX	Muleshoe	comp=Z,24nm,1.1s	54.76 330	eP	P	20 14 27.1	-0.9
R38A	Fenwick Farm,	baz=158,SNR=11	54.84 341	P	P	20 14 27.1	-1.1
P43A	Skaggs, Pawnee	baz=161,SNR=12	54.93 345	P	P	20 14 27.8	-1.1
Q40A	Laux Farm, Aux	baz=158,SNR=7.7	55.01 343	P	P	20 14 28.3	-1.2
M54A	Oil Creek Stat	baz=173,SNR=5.7	55.05 355	P	P	20 14 29.0	-0.8
SFIN	Lafayette	baz=164,SNR=8.1	55.07 348	P	P	20 14 28.1	-1.8
Q45A	Potomac	baz=164,SNR=13	55.08 347	P	P	20 14 28.2	-1.7
P42A	Winchester	baz=160,SNR=16	55.09 344	P	P	20 14 28.7	-1.3
P42A	Winchester	comp=Z,29nm,0.8s	55.09 344	eP	P	20 14 28.6	-1.3
Q44A	Mansfield	baz=163	55.16 346	P	P	20 14 28.9	-1.6
BRYW	Bryant College	baz=157,SNR=8.2	55.22 2 eP	P	P	20 14 32.0	+1.0
Q39A	Willow Grove F	baz=157,SNR=8.2	55.33 342	P	P	20 14 30.7	-1.0
P41A	Barry, Barry	baz=160,SNR=9.9	55.36 344	P	P	20 14 30.7	-1.3
Q38A	Cooks Store, C	baz=156,SNR=26	55.45 341	P	P	20 14 31.8	-0.8
Q43A	Sugar Creek Fa	baz=162	55.49 346	P	P	20 14 31.3	-1.6
N46A	Monticello	baz=165,SNR=7.5	55.49 348	P	P	20 14 31.2	-1.7
P40A	Paris	baz=155,SNR=12	55.50 343	P	P	20 14 31.7	-1.3
P40A	Paris	comp=Z,16nm,0.6s	55.50 343	eP	P	20 14 31.8	-1.2
BINY	Binghamton	baz=177,SNR=17	55.51 358	P	P	20 14 33.8	+0.8
BINY	Binghamton	comp=Z,1nm,0.8s	55.51 358	eP	P	20 14 34.0	+0.9
N45A	Kentland	baz=164	55.61 347	P	P	20 14 32.1	-1.7
Q37A	Longview Farm,	baz=156	55.64 340	P	P	20 14 32.9	-1.1
P39B	Salisbury	baz=158,SNR=14	55.67 342	P	P	20 14 33.0	-1.2
ERPA	Erie	baz=173	55.69 354	P	P	20 14 33.4	-0.8
Q41A	Piper City	baz=163,SNR=6.3	55.70 347	P	P	20 14 32.6	-1.7
N44A	Passleys Farm,	baz=160,SNR=18	55.73 344	P	P	20 14 33.0	-1.5
HDIL	Hopedale	baz=162,SNR=6.1	55.74 346	P	P	20 14 33.0	-1.7
HDIL	Hopedale	comp=Z,46nm,1.0s	55.74 346	eP	P	20 14 31.6	-3.0
M46A	Old House Fiel	baz=168	55.91 349	P	P	20 14 34.3	-1.6
Q40A	La Belle	baz=159,SNR=8.1	56.00 343	P	P	20 14 35.1	-1.4
P38A	Dawn	baz=157,SNR=5.6	56.03 342	P	P	20 14 35.6	-1.2
P38A	Dawn	comp=Z,13nm,0.9s	56.03 342	eP	P	20 14 35.7	-1.1
N43A	Stutzman Famil	baz=162,SNR=15	56.07 346	P	P	20 14 35.6	-1.5
N42A	Yates City	baz=161,SNR=11	56.18 345	P	P	20 14 36.2	-1.6
319A	Douglas	comp=Z,21nm,0.9s	56.22 323	eP	P	20 14 38.9	+0.4
121A	Cookes Peat, D	baz=139,SNR=7.4	56.23 325	P	P	20 14 38.7	+0.1
P37A	Lathrop	baz=156,SNR=5.8	56.25 341	P	P	20 14 36.7	-1.7
N41A	Harden Midland	baz=160,SNR=12	56.27 344	P	P	20 14 36.9	-1.6
N41A	Harden Midland	comp=Z,44nm,0.8s	56.27 344	eP	P	20 14 37.0	-1.6
O39A	Kirksville	baz=158	56.32 343	P	P	20 14 37.3	-1.5
M43A	Waltham Townsh	baz=162,SNR=6.8	56.49 346	P	P	20 14 38.3	-1.7
KSU1	Kansas State U	baz=153	56.57 339	P	P	20 14 38.9	-1.8
N40A	Mertquake, Sal	baz=159,SNR=7.5	56.63 344	P	P	20 14 39.7	-1.3
O37A	Wolfen Farm, M	baz=156	56.72 341	P	P	20 14 40.6	-1.0
M41A	Milan	baz=160,SNR=5.5	56.82 345	P	P	20 14 40.7	-1.7

N39A	Derby Farms, D	baz=158,SNR=9.1	56.88 343	P	P	20 14 41.3	-1.5
N38A	Joess South For	baz=157	57.02 342	P	P	20 14 42.9	-0.9
M40A	Post Highland	baz=159,SNR=5.7	57.10 344	P	P	20 14 42.6	-1.7
L43A	Garden Prairie	baz=163,SNR=8.1	57.16 347	P	P	20 14 43.3	-1.4
L42A	Oliver, Polo	baz=174	57.20 346	P	P	20 14 43.5	-1.5
N37A	Lee Faris, Mou	baz=156,SNR=6.1	57.28 342	P	P	20 14 44.5	-1.1
DRWO	Darlington Wes	baz=174	57.32 356	P	P	20 14 46.3	+0.5
DRCO	St. Marys Ceme	baz=174	57.33 356	P	P	20 14 46.0	+0.1
M39A	Webster	baz=159,SNR=5.1	57.35 344	P	P	20 14 44.7	-1.4
WLVO	Wesleyville	baz=175	57.35 356	P	P	20 14 46.1	+0.1
ANMO	Albuquerque	comp=Z,3.3nm,0.8s,slow=9.8,SNR=9.6	57.37 328	P	LR	20 14 46.2	-0.4
ANMO	Albuquerque	comp=Z,21nm,18.3s,slow=112,slow=38	57.37 328	P	LR	20 41 14.4	
ANMO	Albuquerque	baz=142	57.37 328	P	P	20 14 46.3	-0.4
ANMO	Albuquerque	baz=142	57.37 328	eP	P	20 14 46.5	-0.1
ANMO	Albuquerque	comp=Z,3.3nm,0.8s,slow=9.8,SNR=9.6	57.37 328	fP	Pmax	20 15 04.8	-3.3
TASL	Snake Pit, Alb	baz=142,SNR=4.4	57.37 328	P	P	20 14 46.2	-0.4
TASM	ASL Pad, Albuq	baz=142,SNR=7.7	57.37 328	P	P	20 14 46.2	-0.5
PKRO	Pickering	baz=174	57.44 355	P	P	20 14 46.6	-0.1
L41A	Preston	baz=161,SNR=10	57.47 345	P	P	20 14 45.4	-1.5
CBKS	Cedar Bluff	baz=150	57.49 336	P	P	20 14 46.7	-0.6
LBNH	Lisiboo	baz=192	57.53 2	P	P	20 14 46.9	-0.4
N36A	Muff Farm, Cla	baz=156,SNR=6.2	57.56 341	P	P	20 14 46.6	-1.0
K43A	Burlington	baz=162	57.56 347	P	P	20 14 46.3	-1.3
M38A	Pleasantville	baz=158,SNR=5.7	57.58 343	P	P	20 14 46.4	-1.3
L40A	Anamosa	baz=176,SNR=8.5	57.64 345	P	P	20 14 46.7	-1.4
L40A	Anamosa	comp=Z,24nm,0.9s	57.64 345	eP	P	20 14 46.9	-1.3
BASO	Ashfield	baz=171	57.74 353	P	P	20 14 47.7	-1.0
TUC	Tucson	baz=136	57.78 323	P	P	20 14 48.8	-0.5
TUC	Tucson	comp=Z,2.1nm,0.8s	57.78 323	P	P	20 14 46.0	-3.4
TUC	TUC	comp=Z,2.0nm,0.8s	57.78 323	P	Pmax	20 14 46.0	-3.4
BWLO	Walkerton	baz=172,SNR=5.1	57.78 354	P	P	20 14 48.8	-0.3
M37A	Tride Farm,	baz=157,SNR=8.1	57.82 342	P	P	20 14 48.4	-1.0
K42A	Prairie Point,	baz=162,SNR=9.0	57.86 346	P	P	20 14 48.3	-1.3
LONY	Lake Ozonia	baz=173,SNR=8.2	57.89 359	P	P	20 14 50.5	+0.6
LONY	Lake Ozonia	comp=Z,13nm,1.0s	57.89 359	eP	P	20 14 50.4	+0.6
DELO	Deloro Mine	baz=176,SNR=14	57.90 357	P	P	20 14 49.1	-0.7
L39A	Vinton	baz=159	57.90 344	P	P	20 14 48.5	-1.4
K41A	Shullsburg	baz=161	57.92 346	P	P	20 14 48.7	-1.3
M36A	Felix, Anita	baz=156	58.09 341	P	P	20 14 50.0	-1.4
FRNY	Flat Rock	comp=Z,26nm,1.0s	58.10 0 eP	P	P	20 14 52.1	+0.8
T25A	Trinidad	baz=144,SNR=8.5	58.11 331	P	P	20 14 51.8	0.0
L38A	Oak Wood Farm,	baz=158,SNR=11	58.18 343	P	P	20 14 50.6	-1.3
JFWS	Jewell Farm	baz=161	58.20 346	P	P	20 14 50.6	-1.4
K40A	Colesburg	baz=160,SNR=9.5	58.22 345	P	P	20 14 50.8	-1.3
J43A	Natural Harves	baz=163,SNR=8.8	58.23 347	P	P	20 14 50.9	-1.3
SADO	Sadowa	comp=Z,40nm,1.4s	58.25 355	eP	P	20 14 52.1	-0.2
J42A	Columbus	baz=162	58.32 347	P	P	20 14 51.5	-1.3
PLVO	Plevna	baz=176,SNR=12	58.39 357	P	P	20 14 53.6	+0.4
PLVO	Plevna	comp=Z,25nm,0.9s	58.39 357	eP	P	20 14 53.7	+0.4
L37A	Phobix Point,	baz=157	58.39 343	P	P	20 14 52.0	-1.3
K39A	Oelwein	baz=159	58.41 344	P	P	20 14 52.3	-1.2
J41A	Loganville	baz=162,SNR=9.9	58.50 344	P	P	20 14 53.3	-1.3
K38A	Parkersburg	baz=158	58.67 346	P	P	20 14 53.4	-1.4
L36A	Harm Buss Farm	baz=156	58.64 342	P	P	20 14 54.2	-0.9
I43A	Langenfeld Bro	baz=164,SNR=8.8	58.66 348	P	P	20 14 53.9	-1.2
PKME	Peaks-Kenny Pk	baz=165,SNR=8.8	58.67 4	P	P	20 14 56.2	+1.0
214A	Organ Pipe Nat	baz=134,SNR=5.6	58.74 321	P	P	20 14 55.0	-1.0
J40A	Soldiers Grove	baz=161,SNR=10	58.77 346	P	P	20 14 54.7	-1.3
I42A	Draeger Farm,	baz=163	58.82 347	P	P	20 14 55.2	-1.1
K3CO	Kaye Sheddock'	baz=147	58.85 334	P	P	20 14 56.9	+0.1
ALFO	Alfred	baz=179,SNR=8.1	58.91 359	P	P	20 14 58.1	+1.3
BUKO	Buck Lake	baz=174,SNR=6.3	58.94 355	P	P	20 14 56.8	-0.3
K37A	Belmond	baz=161	58.95 343	P	P	20 14 55.9	-1.3
J39A	Decorah	baz=160,SNR=10	58.96 345	P	P	20 14 55.8	-1.5
PEMO	Pembroke	baz=176,SNR=10	59.03				

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MDND Maddock, HVU Hanzel Valley, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like WALA Waterton Lakes, L02D Cave Junction, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MKAR Makanchi Array, MKAR Kashi, and many others.

JMA 15 20:12:28.6 0.2, 28.16'N, 127.12'E, h194km, 4km, M3.8, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations like JIH Iheya, JOKE Okinoerabujima, etc.

MEX 15 20:13:39.1 0.1, 14.57'N, 94.10'W, h17km, 39km, MD4.1, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations like PCIG Huatulco, HUIG Huatulco, etc.

MEX 15 20:29:38.0 0.3, 17.95'N, 101.53'W, h39km, 9km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations like ZIIG Zihuatanejo, ARIG Puento St Ann, etc.

DDA 15 20:34:32.5, 37.73'N, 29.27'E, h7km, M12.6, ISCJB 15 20:34:42.9 0.7, 37.66'N, 0.05:29.29E:0.04, h12km, Error ellipse: s-maj=7.4km s-min=4.5km az=174.9

ISK 15 20:34:42.6, 37.69'N, 29.30E, h8km, ML2.8/3, CSEM 15 20:34:43.1 0.2, 37.68'N, 29.29E, h10km, ML2.6, Error ellipse: s-maj=5.4km s-min=3.5km az=161.0

ISC 15 20:34:42.9 0.9, 37.66'N, 0.04:29.33E:0.03, h12km, n26, s156:28, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations like DNZL Cakilroluk, DENT Denizli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GERES, MMAL, TX31, etc.

IDC 15 22:02:57.2-4.7, 5.68S, 147.56E, h197km, 51km, mb3.2/2, mb1 3.4/4, mb1mx2-9.41, mbtmp3.7/4, Error ellipse: s-maj=95.9km s-min=2.6km az=130.0, Eastern New Guinea region

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

ISCJB 15 22:03:30.0-0.5, 0.19S, 0.05E, 123.38E, 0.05, h150km, mb3/1/0, Error ellipse: s-maj=7.3km s-min=6.6km az=179.3

IDC 15 22:03:31.2-7.9, 0.06S, 123.45E, h130km, 79km, mb3.5/9, mb1 3.6/9, mb1mx3.6/2, mbtmp3.9/9, Error ellipse: s-maj=30.0km s-min=13.7km az=74.0

DJA 15 22:03:31.3-0.4, 0.5S, 3.1'23'E, h109km, 6km, M4.3/11, mb4.3/1, mb4.3/1, MLV4.3/11, (mb)3/5.1

ISC 15 22:03:32.1-0.7, 0.15S, 0.05E, 123.37E, 0.05, h150km, n22, z=294.27, mb3.9/10, Minahassa Peninsula, Sulawesi

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

NSSP 15 22:07:08.6, 38.92N, 44.40E, h8km, Ms3.0 DDA 15 22:07:11.0, 38.99N, 44.40E, h7km, ML3.0

ISK 15 22:07:11.9, 39.00N, 44.36E, h5km, ML3.1/4 THT 15 22:07:11.4, 38.78N, 44.43E, h10km, ML2.6

CSEM 15 22:07:12.7-0.3, 39.01N, 44.37E, h2km, ML3.1, Error ellipse: s-maj=6.3km s-min=5.5km az=80.0

ATA 15 22:07:12.8-1.4, 39.01N, 44.35E, h9km, z=23km, ML3.5, MW3.7

ISC 15 22:07:11.9, 1.1, 39.01N, 0.02, 44.43E, 0.02, h4km, 10km, n52, z=1929/77, 2C-10, Iran-Armenia-Azerbaijan border region

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

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

NIED 15 22:18:00.31'00N, 141.20E, h56km, Mw4.2 Best double couple: M2.25000x1015 N1.1x221.00000, 369.00000, 1.20.00000, NP2x=123.00000, 871.00000, 1.58.00000

ISCJB 15 22:18:07.0-0.5, 0.32N, 0.03E, 140.94E, 0.05, h62km, 4km, mb4.3/4/6, Error ellipse: s-maj=7.7km s-min=3.9km az=163.1

JMA 15 22:18:07.6-0.2, 31'00N, 141.19E, h60km, M4.5 NEIC 15 22:18:07.0-0.9, 30.93N, 141.18E, h43km, 9km, mb4.5/21, Error ellipse: s-maj=10.6km s-min=6.5km az=117.0

IDC 15 22:18:10.9-0.7, 31'01N, 140.57E, h2km, 5km, mb3.7/22, mb1 3.9/24, mb1mx3.8/61, mbtmp4.1/24, MS2.9/7, Ms1 2.9/7, ms1mx2.7/62, Error ellipse: s-maj=13.9km s-min=9.0km az=75.0

ISC 15 22:18:10.1-0.6, 30.95N, 0.05E, 140.87E, 0.07, h78km, 5km, n100, z=1979/108, mb4.2/46, Southeast of Honshu

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

MJAR Matsushiro Arr 6.00 339 P T 22 19 35.7 -0.6

MJAR Matsushiro Arr 6.00 339 P T 22 19 35.7 -0.6

MJAR Matsushiro Arr 6.00 339 P T 22 19 35.7 -0.6

MJAR Matsushiro Arr 6.00 339 P T 22 19 35.7 -0.6

MJAR Matsushiro Arr 6.00 339 P T 22 19 35.7 -0.6

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

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

ATA 15 22:22:20.3-1.0, 39.80N, 40.97E, h21km, 4km, ML3.5, MW3.4

ISCJB 15 22:22:21.5-0.4, 39.83N, 0.02-0.02, 96E, 0.02, h6km, 4km, Error ellipse: s-maj=3.9km s-min=3.1km az=7.8

CSEM 15 22:22:21.7-0.2, 39.83N, 40.96E, h10km, ML2.8, Error ellipse: s-maj=5.3km s-min=4.3km az=51.0

ISK 15 22:22:21.7, 39.82N, 40.95E, h10km, ML3.0/2 DDA 15 22:22:21.7, 39.73N, 40.77E, h7km, ML2.8

ISC 15 22:22:21.4, 0.392N, 0.02-0.02, 97E, 0.02, h10km, 9km, n51, z=1909/77, 4C-10, Turkey

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

Table with columns: LAGR, Station Name, Frequency, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like LAGR 105nm,0.2s, LAGR 63nm,0.2s, LAGR 956nm,0.3s, etc.

IDC 15 23:09:54.8-1.9,7.13S:125.30E,h0km,mb3.5/1, mb1 3.8/3,mb1mx3.4/48,mbtmp3.6/3,ML3.2/2,Error ellipse: s-maj=217.1km s-min=31.6km az=61.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr, etc.

NNC 15 23:41:20.4-6.5,38.51N:172.66E,h0km,mb3.8,mpv3.5, 4C-1D, Error ellipse: s-maj=53.5km s-min=33.6km az=143.0, Tajikistan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

IDC 16 00:13:17.3-1.4,9.38N:137.90E,h0km,mb3.6/6, mb1 3.8/6,mb1mx3.6/52,mbtmp3.6/6,MS3.1/7,Ms1 3.1/7, ms1mx2.8/39, Error ellipse: s-maj=41.4km s-min=29.4km az=83.0, Western Caroline Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DAV Davao City (W), JOW Kunigami, PMG Port Moresby, JNU Nakatsue, H11S3 WAKE ISLAND Hy 29.34 69 T, etc.

SJA 16 00:18:27.5-0.6,31.65S:68.80W,h104km,3km,ML2.8, MW3.5, San Juan Province

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ZON Zonda, ZON comp=Z.205nm,0.1s, ZON Cerro Valdivia, etc.

DJA 16 00:28:24.7-0.9,9.5S:6.117E, h25km,7km, M4.1/13, mb4.6/1, MLV3.8/13, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PLAI Plampang, WBSI Waikabubak, IGBI Denpasar, etc.

Table with columns: JAGI, GMJI, BLJI, EDJI, PWJI, Station Name, Frequency, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like JAGI Jajag, Banyuwa, GMJI Gumukmas, etc.

NIED 16 00:36:00.25:90N:128.50E,h11km,Mw4.1 Best double couple: M1.74000:1015 NP1:236.00000: 842.00000, lambda-76.00000, NP2:38.00000: 849.00000, lambda-102.00000.

IDC 16 00:36:19.6:0.7,25.79N:128.63E,h0km,mb4.0/17, mb1 4.2/19,mb1mx4.0/57,mbtmp4.0/19,ML4.0/2,MS3.1/2, Ms1 3.1/2,ms1mx2.5/56, Error ellipse: s-maj=24.8km s-min=13.3km az=80.0

ISCJB 16 00:36:21.9:1.0,25.84N:0.0:4.128:66E:0.0/4,h27km,6km, mb3.9/20,MS2.8/1, Error ellipse: s-maj=6.8km s-min=5.9km az=7.1

NEIC 16 00:36:22.5:3.9,25.78N:128.62E,h18km,24km,mb4.3/1, Error ellipse: s-maj=13.2km s-min=8.4km az=80.0

JMA 16 00:36:24.2:0.3,25.91N:128.54E,h53km,M4.0, ISC 16 00:36:22.5:0.6,25.80N:0.06:128.69E:0.0/4,h17km,3km, n47, s169/60,mb4.1/20, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JTT3 Tagatoguku3, JNTH Nagoyohara, JOW Kunigami, etc.

KSAR Wonju Array Be 11.62 357 P Pn 00 39 08.0 +0.4 KRSR Korea Arr 11.63 357 Pn 00 39 08.0 +0.3

ASAJ Asahikawa 21.48 28 LR 00 49 22.4 KLR Kul'dur 23.51 5 P 00 41 32.0 +0.6

SOMN Songino Array 28.13 327 P 00 42 15.0 +1.3 CMAR Chiang Mai Arr 28.45 251 P 00 42 16.4 -0.4

ODAN Odare 36.91 281 eP 00 43 30.0 -0.9 RAMN Ramit 37.60 281 eP 00 43 35.5 -1.2

JIRN Jiri 37.87 283 eP 00 43 38.3 -0.8 PKIN Phuokhoi 38.58 283 eP 00 43 44.0 -1.0

KKN Kakani 38.65 283 eP 00 43 44.7 -0.8 DMN Daman 38.83 283 eP 00 43 46.4 -0.7

GKK Gorkha 39.19 283 eP 00 43 48.8 -1.2 DANN Dangsing 39.91 284 eP 00 43 55.0 -1.2

KOLN Koldanda 40.13 283 eP 00 43 57.5 -0.4 PYUN Piuthan 40.62 284 eP 00 44 01.7 -0.2

MKAR Makanchi Arr 42.12 312 P 00 44 12.3 -1.5 MKAR Makanchi Hy 42.12 312 P 00 46 07.9 -0.3

ZALV Zalesovo Beam 42.83 323 P 00 44 18.9 -0.5 FITZ Fitzroy Crossi 43.74 184 P 00 44 26.5 -0.5

KURK Kurchatov 45.41 317 P 00 44 39.4 -0.7 KURBB Kurchatov Arr 45.44 317 P 00 44 39.4 -1.0

WRA Warramunga Arr 45.80 173 P 00 44 42.9 -0.6 ASAR Alice Springs 49.44 174 P 00 45 11.7 -0.0

BVOR Borovoye Array 50.87 319 P 00 45 21.9 -0.4 BRVK Borovoye 50.93 319 eP 00 45 22.2 -0.5

ILAR Eielson Array 64.61 28 P 00 46 58.2 -0.6 KBZ Khabaz 69.75 310 P 00 47 32.1 +0.5

ARCES ARCES Array B 70.55 309 P 00 47 35.4 -0.7 FINES FINESS Array B 73.44 311 P 00 47 52.8 -0.7

AKASE Malin Array Be 76.12 320 P 00 48 08.6 -0.7 BRTR Keskin Array B 77.62 308 P 00 48 17.9 -0.2

NB2 NORBAR Subarra 79.88 334 P 00 48 28.7 -1.3 CLL Collin 84.73 325 i P 00 48 55.4 -0.2

GERES GERES Array B 85.79 323 P 00 49 06.0 +2.7 PDAR Piedade Array 93.23 39 P 00 49 36.8 +0.3

ROM 16 01:00:06.4:0.2,44.913N:0.007:10.936E:0.0/009, h8km,ML3.0/31

VIE 16 01:00:07.7:0.3,44.97N:10.72E,h5km,4km,mb2.5/13, ml2.8/16, Error ellipse: s-maj=2.7km s-min=1.9km az=112.0, 66km NW Bologna

ISCJB 16 01:00:08.5:0.2,44.99N:0.01:10.90E:0.0/2,h12km,1km, Error ellipse: s-maj=2.4km s-min=1.8km az=30.2

BGR 16 01:00:08.5:0.5,44.72N:11.15E,h10km,ML3.2/13, Error ellipse: s-maj=10.0km s-min=7.8km az=17.0

CSEM 16 01:00:09.0:0.2,45.00N:10.93E,h10km,ML2.9/29, Error ellipse: s-maj=4.9km s-min=2.4km az=144.0

LDG 16 01:00:10.9:0.3,44.89N:11.01E,h2km,ML2.8/24, Error ellipse: s-maj=5.8km s-min=3.1km az=89.0

PRU 16 01:00:12.2,44.97N:11.02E,h24km STR 16 01:00:12.7:3.8,45.1N:14.1E:3.5,h5km,M4.0/6, ML4.0/6

Table with columns: T0826, Station Name, Frequency, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like T0826 comp=E.34800um,0.9s, T0826 comp=N.64100um,0.5s, etc.

GAZZ Gazzo Veronese 0.21 311 eP Pg 01 00 14.6 +1.1

GAZZ Gazzo Veronese 0.21 31 eP Pg 01 00 14.6 +1.1

NOVE NOVella 0.21 230 i P Pg 01 00 12.5 -1.0

RAVA Ravarino 0.22 145 eP Pg 01 00 13.5 -0.2

RAVA Massa Finalese 0.23 111 P Pg 01 00 13.9 -1.4

RAVA Sg 01 00 19.6 +2.5

MNTV Mantova 0.24 333 P Pg 01 00 15.1 +1.0

SERM Serme 0.26 73 P Pg 01 00 15.2 +0.7

ASAJ Asahikawa 21.48 28 LR 00 49 22.4

KLR Kul'dur 23.51 5 P 00 41 32.0 +0.6

SOMN Songino Array 28.13 327 P 00 42 15.0 +1.3

ODAN Odare 36.91 281 eP 00 43 30.0 -0.9

RAMN Ramit 37.60 281 eP 00 43 35.5 -1.2

JIRN Jiri 37.87 283 eP 00 43 38.3 -0.8

PKIN Phuokhoi 38.58 283 eP 00 43 44.0 -1.0

KKN Kakani 38.65 283 eP 00 43 44.7 -0.8

DMN Daman 38.83 283 eP 00 43 46.4 -0.7

GKK Gorkha 39.19 283 eP 00 43 48.8 -1.2

DANN Dangsing 39.91 284 eP 00 43 55.0 -1.2

KOLN Koldanda 40.13 283 eP 00 43 57.5 -0.4

PYUN Piuthan 40.62 284 eP 00 44 01.7 -0.2

MKAR Makanchi Arr 42.12 312 P 00 44 12.3 -1.5

MKAR Makanchi Hy 42.12 312 P 00 46 07.9 -0.3

ZALV Zalesovo Beam 42.83 323 P 00 44 18.9 -0.5

FITZ Fitzroy Crossi 43.74 184 P 00 44 26.5 -0.5

KURK Kurchatov 45.41 317 P 00 44 39.4 -0.7

KURBB Kurchatov Arr 45.44 317 P 00 44 39.4 -1.0

WRA Warramunga Arr 45.80 173 P 00 44 42.9 -0.6

ASAR Alice Springs 49.44 174 P 00 45 11.7 -0.0

BVOR Borovoye Array 50.87 319 P 00 45 21.9 -0.4

BRVK Borovoye 50.93 319 eP 00 45 22.2 -0.5

ILAR Eielson Array 64.61 28 P 00 46 58.2 -0.6

KBZ Khabaz 69.75 310 P 00 47 32.1 +0.5

ARCES ARCES Array B 70.55 309 P 00 47 35.4 -0.7

FINES FINESS Array B 73.44 311 P 00 47 52.8 -0.7

AKASE Malin Array Be 76.12 320 P 00 48 08.6 -0.7

BRTR Keskin Array B 77.62 308 P 00 48 17.9 -0.2

Table with columns: Station Name, Frequency, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like T0826, GAZZ, NOVE, RAVA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KHC, Kasperke Hory, GRFO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, USRQ Ussuriysk Arr, USAJ Asahikawa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACR Cerro Adams, EDRN Palmar Norte, EDMA Buenos Aires, etc.

KRSC 16 01:32:12.3±2.5,50.006N,154.336E,h232km,33km,ML3.9,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Kuril Islands, PAU Pauzhetka, MIPR Malaya Ipe/ka, etc.

TAP 16 02:00:04.9,25.58N,122.85E,h275km,ML3.9,C

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes NWF Wu-fen Shan, WFSB Wu-fen Shan, WFSB, etc.

NIED 16 02:19:00,22.70N,122.50E,h29km,Mw4.1 Best double couple: Mo1.76000x10^15 NP1.9x10^17,0.00000,0.879.00000, lambda=6.00000, NP2.4x10^17,0.00000,0.884.00000, lambda=1.69.00000.

IDC 16 02:19:58.1±0.9,22.62N,123.08E,h0km,mb3.8/1.1, mb1 4.1/4, mb1mx3.8/5.9, mbtmp3.9/14, ML3.5/3, MS2.9/6, Ms1 3.0/6, ms1mx2.7/5.9, Error ellipse: s-maj=22.2km s-min=17.4km az=86.0

JMA 16 02:00:07.6±0.3,25.46N,122.59E,h258km,4km,MA.2

JMA 16 02:00:05.2±0.2,25.5N,122.62E,0.05,h272km,13km, n41,c1829/72, Taiwan region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWH Lutao, LAY Lan-yu, CHKT Chengkung, etc.

JMA 16 02:00:05.2±0.2,25.5N,122.62E,0.05,h272km,13km, n41,c1829/72, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes YOG Yonagunijima, YOC Suao, TWC, etc.

IRIF Iriomote-Funau, NNSB Datong

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes IRIF, NNSB, NACB, etc.

IDC 16 01:40:15.1±1.0,18.58N,145.93E,h0km,mb3.9/5, mb1 4.1/5, mb1mx3.5/5.6, mbtmp3.9/5, Error ellipse: s-maj=43.9km s-min=23.7km az=106.0, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, etc.

MAN 16 01:57:03.7±0.8,8.37N,125.87E,h1km,mb5.0,ML3.9,MS4.0

IDC 16 01:57:03.7±0.8,8.41N,126.17E,h0km,mb3.9/1.2, mb1 4.0/10, mb1mx3.7/5.4, mbtmp3.9/10, MS3.4/12, Ms1 3.4/12, ms1mx3.1/5.3, Error ellipse: s-maj=29.1km s-min=11.4km az=95.0

ISCJB 16 01:57:04.9±1.1,8.39N,125.96E,0.05,h16km,8km, mb3.8/10, MS3.4/10, Error ellipse: s-maj=8.7km s-min=6.7km az=5.5

ISC 16 01:57:04.6±1.6,8.35N,125.91E,0.04,h1km,10km, n36,c2513/33,mb3.8/10,MS3.5/10,6C,Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes BIPH Bislig, BUTP Butuan, MUSAN Musuan, etc.

CASC 16 02:19:29.4±2.6,8.12N,83.06W,h13km,6km,MD3.8,2D, Costa Rica

SSE	Sheshan	37.40 246	P	P	03 15 35.1 -0.6
SSE			S	S	03 21 12.1 -5.4
SSE	comp=Z,17nm,0.6s		pmax	pmax	
SSE	comp=Z,84nm,3.9s				
SSE	comp=Z,460nm,15.1s		LR	LR	
SSE	comp=Z,730nm,14.7s		LR	LR	
JOW	Kunigami	37.46 234	P	P	03 15 36.6 +0.3
JOW	comp=Z,62nm,0.9s,baz=20,slo=11,SNR=28		PcP	PcP	03 17 54.0 +1.0
JOW	comp=Z,16nm,0.8s,baz=184,slo=7.3,SNR=2.8		LR	LR	03 32 59.9
JOW	comp=Z,345nm,20.3s,baz=60,slo=39		P	P	03 15 35.9 -0.3
NJ2	Nanjing	37.87 249	eP	eP	03 15 39.1 -0.6
NJ2			pP	pP	03 15 53.8 -5.8
NJ2			sP	sP	03 16 08.3 -1.1
NJ2			pmax	pmax	03 21 20.8 -3.8
NJ2	comp=Z,30nm,0.5s				
NJ2	comp=Z,220nm,3.7s		LR	LR	
NJ2	comp=Z,890nm,17.9s		LR	LR	
NJ2	comp=Z,1um,17.3s		LR	LR	
HVS	Khovu-Aksy	39.20 293f	eP	eP	03 15 53.4 +2.7
HVS	comp=Z,58nm,0.9s		pmax	pmax	
RES	Resolute Bay	40.65 23	eP	P	03 16 02.6 +0.3
RES	comp=Z,39nm,0.8s		ePcP	PcP	03 18 02.7 +0.4
RES	Resolute Bay	40.65 23	eP	P	03 16 02.6 +0.3
RES	comp=Z,30nm,0.9s		pP	pP	
YKW3	Yellowknife Ar	40.72 45	eP	P	03 16 03.6 +0.5
YKA	Yellowknife Ar	40.76 45	eP	P	03 16 03.8 +0.4
YKA	comp=Z,15nm,0.7s,baz=299,slo=8.0,SNR=6.6		pP	pP	03 16 22.9 -0.6
YKA	comp=Z,6.9nm,0.7s,baz=310,slo=3.7,SNR=6.7		PcP	PcP	03 18 03.2 +0.4
YKA	comp=Z,3.1nm,0.8s,baz=305,slo=4.0,SNR=7.7		ScP	ScP	03 21 45.3 +0.9
WHN	Wuhan	41.46 253	P	P	03 16 07.3 -2.1
WHN			sP	sP	03 16 33.8 +4.2
WHN			PcP	PcP	03 18 07.3 +1.7
WHN			S	S	03 22 09.4 -8.8
WHN	comp=Z,2um,15.3s		LR	LR	
WHN	comp=Z,2um,14.6s		LR	LR	
WHN	comp=Z,4um,18.1s		LR	LR	
ZAA1	Zalesovo Array	42.10 301	eP	P	03 16 13.8 -0.5
ZAA1			pP	pP	03 17 54.3 +1.3
ZAA1			ePcP	PcP	03 18 07.7 +0.3
ZAA1			eScP	ScP	03 21 49.9 0.0
ZAA1			eP	P	03 16 12.8 -1.7
ZALV	Zalesovo Beam	42.10 301	P	P	03 16 13.8 -0.6
ZALV	comp=Z,6.2nm,0.3s,baz=57,slo=6.8,SNR=10		PP	PP	03 17 54.3 +1.2
ZALV	comp=Z,3.7nm,0.4s,baz=59,slo=9.0,SNR=4.9		PcP	PcP	03 18 07.7 +0.3
ZALV	comp=Z,35nm,0.8s,baz=27,slo=4.0,SNR=9.7		ScP	ScP	03 21 49.9 0.0
ZALV	comp=Z,16nm,0.9s,baz=40,slo=3.6,SNR=13		LR	LR	03 35 00.0
ZALV	comp=Z,761nm,19.6s,baz=66,slo=38		P	P	03 16 13.2 -1.2
ZALV	Zalesovo Beam	42.10 301	eP	P	03 16 25.0 +1.7
ZALV	Gaotai	43.15 275	eP	P	03 16 42.9 -0.7
ZALV			pP	pP	03 16 51.4 -1.9
ZALV			sP	sP	03 21 55.1 +0.5
ZALV			ScP	ScP	03 22 44.5 +1.2
ZALV			S	S	03 23 17.3 -0.8
ZALV			ScS	ScS	03 25 52.0 -6.6
ZALV			ScS	ScS	03 26 13.0 -1.8
ZALV			pmax	pmax	
ZALV	comp=Z,56nm,1.2s				
ZALV	comp=Z,240nm,8.4s		pmax	pmax	
ZALV	comp=Z,960nm,17.2s		LR	LR	
ZALV	comp=Z,1um,18.6s		LR	LR	
ZALV	comp=Z,640nm,18.5s		LR	LR	
LZH	Lanzhou	43.19 268	eP	P	03 16 24.0 +0.7
LZH			pP	pP	03 16 43.0 -1.0
LZH			sP	sP	03 16 53.1 -0.6
LZH			PP	PP	03 18 07.3 +2.0
LZH			PcP	PcP	03 18 12.8 +1.2
LZH			ScP	ScP	03 21 58.9 +4.1
LZH			S	S	03 22 43.3 -0.7
LZH			sS	sS	03 23 17.4 -1.4
LZH			ScS	ScS	03 25 51.9 -7.6
LZH			ScS	ScS	03 26 13.6 -1.6
LZH			pmax	pmax	
LZH	comp=Z,93nm,1.0s				
LZH	comp=Z,360nm,5.2s		pmax	pmax	
LZH	comp=Z,2um,14.0s		LR	LR	
LZH	comp=Z,1um,13.1s		LR	LR	
LZH	comp=Z,2um,15.3s		LR	LR	
DGZ	Jazzator, Alta	43.29 294	iP	P	03 16 26.2 +1.9
DGZ	comp=Z,46nm,0.7s		pmax	pmax	
OZH	Quanzhou	43.72 243	eP	P	03 16 28.4 +0.6
OZH			S	S	03 22 47.5 -4.1
OZH	comp=Z,500nm,20.0s		LR	LR	
OZH	comp=Z,460nm,19.8s		LR	LR	
GUMO	Guam	43.90 204	LR	LR	03 31 10.8
GUMO	comp=Z,158nm,21.1s,baz=36,slo=31				
LLLb	Lilloet	44.09 63	eP	P	03 16 31.2 +0.7
TWG	Pinlang	44.27 239	eP	P	03 16 31.5 -0.7
TWEG	Thule	44.32 15	eP	P	03 16 30.9 -0.7
ENH	Enshi	44.33 257	eP	P	03 16 30.1 -2.6
KBS	Kingsbay	44.45 352	eP	P	03 16 33.3 +0.3
KBS	Kingsbay	44.45 352	eP	P	03 16 33.3 +0.3
KBS	comp=Z,111nm,0.8s		pmax	pmax	
SPA0	Spitsbergen Ar	44.74 350	eP	P	03 16 35.6 +0.2
SPA0	Spitsbergen Ar	44.74 350	eP	P	03 16 34.8 -0.6
SPA0	comp=Z,280nm,0.8s		IAMB	IAMB	03 16 36.4
SPITS	Spitsbergen Ar	44.74 350	P	P	03 16 35.4 +0.1
SPITS	comp=Z,168nm,0.6s,baz=29,slo=10,SNR=145		LR	LR	03 35 02.3
A04D	Lummi Island	44.84 66	P	P	03 16 38.1 +1.7
NLWA	Neilton Lookou	45.07 68	eP	P	03 16 40.2 +1.8
B05A	Bryant	45.44 66	P	P	03 16 42.7 +1.5
JCW	Jim Creek	45.57 66	eP	P	03 16 43.7 +1.4
B06A	Marblemount	45.59 65	eP	P	03 16 43.6 +1.2
E03A	Lebam	45.77 68	eP	P	03 16 45.3 +1.5
HSPB	Hornstrand (broa	45.88 350	eP	P	03 16 44.4 +0.1
HSPB	comp=Z,122nm,1.2s		IAMB	IAMB	03 16 45.4

F03A	Seaside	46.17 69	eP	P	03 16 49.1 +2.1
D05A	Enumclaw	46.18 67	eP	P	03 16 49.0 +1.9
C06D	Leavenworth	46.28 65	P	P	03 16 49.0 +1.1
F04D	Rainier, OR	46.37 69	P	P	03 16 49.7 +1.2
LON	Longire	46.56 67	eP	P	03 16 51.5 +1.4
LON	Longmire	46.56 67	eP	P	03 16 51.5 +1.4
LON	comp=Z,8.0nm,0.7s		pmax	pmax	
B08A	Colts Neck	46.80 64	eP	P	03 16 53.0 +1.0
LTY	Liberty	46.82 66	eP	P	03 16 53.0 +0.8
URUMQI	Urumqi	46.91 288	P	P	03 16 53.8 +0.9
WMQ	WMQ		pP	pP	03 17 13.6 +0.2
WMQ	WMQ		sP	sP	03 17 19.4 -3.7
WMQ	WMQ		PP	PP	03 18 45.5 +1.7
WMQ	WMQ		S	S	03 23 38.3 +1.0
WMQ	WMQ		sS	sS	03 24 11.3 -1.1
WMQ	comp=Z,4um,25.9s		LR	LR	
WMQ	comp=Z,2um,20.1s		LR	LR	
WMQ	comp=Z,2um,26.3s		LR	LR	
CD2	Chengdu	47.04 263	P	P	03 16 53.0 -1.1
CD2			pP	pP	03 17 11.9 -2.7
CD2			sP	sP	03 17 20.9 -3.3
CD2			PP	PP	03 18 43.8 -1.5
CD2			S	S	03 22 38.6 -0.8
CD2			sS	sS	03 24 11.4 -3.2
CD2	comp=Z,40nm,0.7s		pmax	pmax	
CD2	comp=Z,210nm,6.6s		LR	LR	
CD2	comp=Z,2um,18.3s		LR	LR	
CD2	comp=Z,950nm,12.9s		LR	LR	
CD2	comp=Z,1um,11.9s		LR	LR	
KURK	Kurchatov	47.09 301	eP	P	03 16 52.7 -1.4
KURK	Chisnam Ranch	47.09 301	eP	P	03 16 52.7 -1.4
KURK	comp=Z,199nm,0.7s		ePcP	PcP	03 18 23.8 -0.8
KURK			eP	eP	03 18 44.5 -0.7
KURK			ScP	ScP	03 22 11.1 +0.7
KURK			P	P	03 16 52.6 -1.5
KURK	Kurchatov	47.09 301	iP	P	03 16 53.9 -1.0
KURK	comp=Z,236nm,0.8s		pP	pP	03 18 24.6 -0.3
KURB	Kurchatov Ar	47.19 300	P	P	03 16 53.9 -1.0
KURB	comp=Z,153nm,0.7s,baz=55,slo=7.9,SNR=917		PcP	PcP	03 18 24.6 -0.3
KURBB	comp=Z,29nm,0.8s,baz=50,slo=3.4,SNR=9.2		PP	PP	03 18 46.4 +0.2
KURBB	comp=Z,46nm,1.0s,baz=56,slo=9.7,SNR=8.2		ScP	ScP	03 22 11.1 +0.2
KURBB	comp=Z,7.2nm,1.0s,baz=50,slo=3.8,SNR=7.7		PP	PP	03 16 57.0 -0.1
KULLO	Kullorsuaq	47.51 13f	iP	P	03 16 57.0 -0.1
KULLO	Chisnam Ranch	47.51 13f	iP	P	03 16 57.0 -0.1
KULLO	comp=Z,29nm,0.8s		pmax	pmax	
C09A	Chisnam Ranch	47.70 64	eP	P	03 16 59.7 +0.8
H04A	Detroit Lake	47.73 70	eP	P	03 16 59.8 +0.6
I03D	Drain, OR	47.77 71	P	P	03 17 01.2 +1.7
I03D	comp=Z,313,SNR=5.6				
MK31	Makanchi Array	47.79 294	eP	P	03 16 58.3 -1.4
MK31	Makanchi Array	47.79 294	eP	P	03 16 58.0 -1.7
MK31	comp=Z,42nm,0.6s		pmax	pmax	
MK32	Makanchi Array	47.79 294	eP	P	03 16 58.3 -1.4
MK32			eP	eP	03 17 19.1 -1.2
MK32			pP	pP	03 18 26.8 -0.4
MK32			eP	eP	03 18 53.2 +1.4
MK32			ScP	ScP	03 22 13.3 -0.2
MK32			eScP	eScP	03 16 58.3 -1.4
MKAR	Makanchi Array	47.79 294	eP	P	03 17 19.1 -1.2
MKAR	comp=Z,42nm,0.6s,baz=60,slo=4.8,SNR=268		pP	pP	03 18 26.8 -0.4
MKAR	comp=Z,12nm,0.6s,baz=51,slo=6.6,SNR=2.8		PcP	PcP	03 18 53.2 +1.4
MKAR	comp=Z,14nm,0.8s,baz=79,slo=2.6,SNR=4.0		PP	PP	03 22 13.4 -0.2
MKAR	comp=Z,13nm,0.8s,baz=50,slo=7.2,SNR=3.8		ScP	ScP	03 22 13.4 -0.2
MKAR	comp=Z,1.1nm,0.8s,baz=120,slo=29,SNR=3.5		LR	LR	03 38 09.9
MKAR	comp=Z,1um,19.6s,baz=38,slo=37		LR	LR	03 16 58.3 -1.4
MKAR	Makanchi Array	47.79 294	eP	P	03 16 58.3 -1.4
MKAR	comp=Z,320nm,0.8s		P	P	03 16 58.1 -1.7
MK01	Makanchi Array	47.80 294	eP	P	03 18 26.7 -0.6
MK01			ePcP	PcP	03 17 01.2 +1.3
G05D	Wamic, OR	47.81 68	P	P	03 16 59.2 -0.4
DAG	Danmarks Havn	47.84 0f	iP	P	03 16 59.2 -0.4
DAG	comp=Z,44nm,0.9s				
DAG	Danmarks Havn	47.84 0f	iP	P	03 16 59.2 -0.4
DAG	comp=Z,44nm,0.9s		pmax	pmax	03 17 18.9
D08A	Wollman Farm,	47.86 65	eP	P	03 17 00.9 +0.8
D08A	comp=Z,45nm,1.4s				
MAKZ	Makanchi	47.94 295	eP	P	03 16 59.4 -1.4
MAKZ					

K37A	Belmond	63.26	53	P	P	03 18 50.4	0.0
G41A	Antigo	63.26	48	P	P	03 18 50.6	+0.1
F42A	Maple Grove Fa	63.27	47	P	P	03 18 50.5	0.0
ISAL	Salakas	63.31	333	eP	I Amb	03 18 50.4	-0.2
L36A	Harm Buss Farm	63.31	54	P	P	03 18 50.9	0.0
I39A	Houston	63.34	51	P	P	03 18 50.8	-0.2
I39A	Houston	63.34	51	eP	P	03 18 50.7	-0.2
J38A	Wedel Dairy, R	63.34	52	P	P	03 18 51.0	0.0
IDID	Didziasalis	63.38	333	eP	I Amb	03 18 50.8	-0.3
LENM	Lemitar	63.41	68	eP	P	03 18 53.4	+1.6
VORD	Divnogorie	63.42	323	eP	P	03 18 50.2	-1.1
E44A	Grand Marais A	63.48	45	P	P	03 18 51.8	0.0
E44A	Grand Marais A	63.48	45	eP	P	03 18 52.0	+0.1
LPM	Los Pinos Moun	63.48	68	eP	P	03 18 53.9	+1.6
CBKS	Cedar Bluff	63.48	60	P	P	03 18 52.2	+0.1
CBKS	Cedar Bluff	63.48	60	eP	P	03 18 52.1	+0.1
CBKS	Cedar Bluff	63.48	60	eP	P	03 18 52.1	0.0
IIGN	Ignalina	63.48	333	eP	I Amb	03 18 51.4	-0.3
Y22E	IRIS PASSCAL I	63.51	68	P	P	03 18 54.4	+2.0
Y22D	IRIS PASSCAL I	63.51	68	P	P	03 18 54.4	+2.0
Y22D	IRIS PASSCAL I	63.51	68	eP	P	03 18 53.8	+1.4
H41A	Junction City	63.54	49	P	P	03 18 52.2	0.0
H41A	Junction City	63.54	49	eP	P	03 18 52.3	0.0
BL5S	Blasio	63.55	346	eP	I Amb	03 18 51.9	-0.3
KBL	Kabul	63.55	293	eP	P	03 18 51.0	-1.8
KBL	Kabul	63.55	293	eP	P	03 18 51.0	-1.8
G42A	Mountain	63.56	48	P	P	03 18 52.5	+0.1
G42A	Mountain	63.56	48	eP	P	03 18 52.5	+0.1
BNM	Barren Site	63.60	68	eP	P	03 18 54.8	+1.6
F43A	Flat Rock, Esc	63.61	47	P	P	03 19 17.8	+3.1
MRSI	Marisa	63.63	225	P	P	03 18 52.8	-0.4
PHET	Kaeng Krachan	63.65	254	P	P	03 18 56.1	+2.8
J39A	Decorah	63.67	51	P	P	03 18 52.6	-0.6
40A	Norwalk	63.70	50	P	P	03 18 53.4	0.0
L37A	Phoenix Point,	63.71	53	P	P	03 18 53.6	+0.2
LRW	Lerwick	63.73	350	eP	I Amb	03 18 53.1	-0.2
NACB	Naroc	63.74	333	eP	P	03 18 52.0	-1.4
K38A	Parkersburg	63.74	52	P	P	03 18 53.5	-0.2
K38A	Parkersburg	63.74	52	eP	P	03 18 53.7	0.0
M36A	Felix, Anita	63.76	54	P	P	03 18 54.0	+0.1
F44A	Big Bay de Noc	63.80	46	P	P	03 18 53.7	-0.3
MICGM	Minsk	63.81	332	eP	LR	03 18 53.0	-0.9
MNK	Minsk	63.81	332	eP	LR	03 18 53.0	-0.9
G43A	Wallace	63.86	47	eP	P	03 18 54.4	+0.1
G43A	Wallace	63.86	47	eP	P	03 18 54.4	+0.1
I41A	Arkdale	63.89	50	P	P	03 18 54.8	+0.1
I41A	Arkdale	63.89	50	eP	P	03 18 54.8	+0.1
E45A	Wooded Hills,	63.99	45	P	P	03 18 54.5	-0.7
J40A	Soldiers Grove	64.05	51	P	P	03 18 55.1	-0.6
L38A	Oak Wood Farm	64.06	53	P	P	03 18 55.7	0.0
K39A	Oelwein	64.09	52	P	P	03 18 55.3	-0.7
H42A	Shiocton	64.10	48	P	P	03 18 55.9	0.0
H42A	Shiocton	64.10	48	eP	P	03 18 56.0	0.0
STAV	Stavanger	64.12	346	eP	I Amb	03 18 55.9	+0.1
SCIA	State Center	64.13	53	P	P	03 18 56.8	+0.6
SCIA	State Center	64.13	53	eP	P	03 18 56.8	+0.6
M37A	Trindle Farm,	64.14	54	P	P	03 18 57.0	+0.7
N36A	Muff Farm, Cia	64.19	55	P	P	03 18 57.3	+0.7
121A	Cookes Peak, D	64.24	70	P	P	03 18 59.1	+1.8
319A	Douglas	64.34	72	eP	P	03 18 59.0	+1.1
J41A	Loganville	64.39	50	P	P	03 18 57.5	-0.3
SANI	Sanana	64.40	220	P	P	03 18 57.4	-0.8
F45A	CMU Biological	64.40	46	P	P	03 18 57.6	-0.3
K40A	Colesburg	64.43	51	P	P	03 18 57.7	-0.4
I42A	Draeger Farm,	64.44	49	P	P	03 18 58.1	-0.1
I42A	Draeger Farm,	64.44	49	eP	P	03 18 58.1	-0.1
H43A	Windswept, Lux	64.46	48	eP	P	03 18 58.5	+0.2
H43A	Windswept, Lux	64.46	48	eP	P	03 18 58.5	+0.2
SNART	Snartemo	64.49	345	eP	I Amb	03 18 58.4	+0.1
L39A	Vinton	64.50	52	P	P	03 18 58.5	-0.2
N37A	Lee Faris, Mou	64.59	55	P	P	03 18 59.8	+0.6
N37A	Lee Faris, Mou	64.59	55	eP	P	03 18 59.9	+0.6
MPSI	Mapaga	64.60	227	P	P	03 19 00.0	+0.5
F46A	Macinaw City C	64.63	45	P	P	03 18 59.1	-0.3
JFWS	Jewell Farm	64.65	51	P	P	03 18 58.8	-0.8
JFWS	Jewell Farm	64.65	51	eP	P	03 18 58.8	-0.8
JFWS	Jewell Farm	64.65	51	eP	P	03 18 58.8	-0.8
KSU1	Kansas State U	64.77	57	P	P	03 19 00.1	-0.3
KSU1	Kansas State U	64.77	57	eP	P	03 19 00.1	-0.3
I43A	Langesfeld B	64.77	49	P	P	03 19 00.2	-0.2

J42A	Columbus	64.81	50	P	P	03 19 00.3	-0.3
HNR	Honiara	64.85	182	LR	LR	03 02 47.5	
K41A	Shulburg	64.87	51	P	P	03 19 00.5	-0.5
L40A	Anamosa	64.90	52	P	P	03 19 00.6	-0.6
L40A	Anamosa	64.90	52	eP	P	03 19 00.3	-0.9
M39A	Webster	64.94	53	P	P	03 19 01.6	+0.1
N38A	Joes South For	65.01	54	P	P	03 19 02.0	+0.1
APSI	Ampana	65.01	225	P	P	03 19 01.4	-0.8
J43A	Natural Harves	65.06	49	P	P	03 19 01.7	-0.5
O37A	Wolven Farm, M	65.08	55	P	P	03 19 02.7	+0.3
NLAI	Namlea	65.10	218	P	P	03 19 01.4	-1.4
K42A	Prairie Point,	65.15	50	P	P	03 19 02.4	-0.5
L41A	Preston	65.21	51	P	P	03 19 02.7	-0.6
HSIG	comp-Z, 31nm, 1.3s	65.27	74	eP	P	03 19 04.4	+0.6
N39A	Derby Farms, D	65.27	53	P	P	03 19 03.7	0.0
N39A	Derby Farms, D	65.27	53	eP	P	03 19 03.6	0.0
M40A	Post Highland	65.30	52	P	P	03 19 03.5	-0.2
BWNR	Rhubaneshwar	65.42	270	eP	P	03 19 03.8	-1.0
O38A	Gall	65.43	54	P	P	03 19 04.8	+0.1
P37A	Lathrop	65.45	55	P	P	03 19 05.0	+0.2
SUW	Suwalki	65.45	334	eP	P	03 19 03.8	-0.8
SUW	Suwalki	65.45	334	eS	S	03 27 43.1	+1.0
SUW	Suwalki	65.45	334	eS	S	03 28 15.9	-3.2
SUW	Suwalki	65.45	334	eS	S	03 28 47.1	-4.5
SUW	Suwalki	65.45	334	eS	S	04 46 28.8	
SUW	Suwalki	65.45	334	eP	P	03 19 03.8	-0.8
SUW	Suwalki	65.45	334	eP	P	03 19 03.8	-0.8
SUW	Suwalki	65.45	334	eS	S	03 27 43.1	+1.0
SUW	Suwalki	65.45	334	eS	S	03 28 15.9	-3.2
SUW	Suwalki	65.45	334	eS	S	03 28 47.1	-4.5
AMTX	Amarillo	65.59	64	P	P	03 19 06.5	+0.6
AMTX	Amarillo	65.59	64	eP	P	03 19 06.5	+0.6
BIGH	Upper Bighouse	65.60	352	eP	I Amb	03 19 05.4	0.0
BIGH	Upper Bighouse	65.60	352	eP	I Amb	03 19 05.3	0.0
L42A	Oliver, Polo	65.64	51	P	P	03 19 05.3	-0.6
L42A	Oliver, Polo	65.64	51	eP	P	03 19 05.3	-0.6
K43A	Burlington	65.65	49	P	P	03 19 05.5	-0.5
K43A	Burlington	65.65	49	eP	P	03 19 05.5	-0.5
N40A	Mertquale, Sal	65.68	53	P	P	03 19 06.3	+0.1
MSTX	Muleshoe	65.75	65	P	P	03 19 07.6	+0.6
MSTX	Muleshoe	65.75	65	eP	P	03 19 07.5	+0.6
O39A	Kirksville	65.75	54	P	P	03 19 06.6	-0.1
M41A	Milan	65.76	52	P	P	03 19 06.3	-0.4
P38A	Dawn	65.80	55	P	P	03 19 07.3	+0.2
P38A	Dawn	65.80	55	eP	P	03 19 07.3	+0.2
L43A	Garden Prairie	65.89	50	P	P	03 19 06.9	-0.7
PMG	Port Moresby	65.91	195	P	P	03 19 08.9	+1.1
PMG	Port Moresby	65.91	195	eP	LR	03 43 32.8	
CPRX	Cap Rock	65.92	67	eP	P	03 19 09.6	+1.6
Q37A	Longview Farm,	65.97	56	P	P	03 19 07.8	-0.4
MUD	Monsted U'grnd	66.00	344	iP	P	03 19 08.4	+0.4
MUD	Monsted U'grnd	66.00	344	iP	P	03 19 08.4	+0.4
MUD	Monsted U'grnd	66.00	344	iP	P	03 19 08.4	+0.4
M42A	Sheffield	66.04	51	P	P	03 19 07.9	-0.7
SBUM	Sib	66.12	236	eP	P	03 19 10.6	+1.2
N41A	Harden Midland	66.15	52	P	P	03 19 09.1	-0.2
N41A	Harden Midland	66.15	52	eP	P	03 19 09.2	-0.2
MNTX	Comidas Mount	66.17	69	P	P	03 19 11.0	+1.4
MNTX	Cornudas Mount	66.17	69	eP	P	03 19 10.9	+1.4
O40A	La Belle	66.26	53	P	P	03 19 09.6	+0.2
BSD	Bornholm Skovb	66.26	340	iP	P	03 19 08.9	-0.8
BSD	Bornholm Skovb	66.26	340	iP	P	03 19 08.9	-0.8
BSD	Bornholm Skovb	66.26	340	iP	P	03 19 08.9	-0.8
L44A	Lake County Fo	66.26	49	P	P	03 19 09.6	-0.3
P39B	Salisbury	66.27	54	P	P	03 19 10.0	0.0
Q38A	Cooks Store, C	66.29	55	P	P	03 19 10.2	0.0
GDLT	Guadalupe Moun	66.36	67	eP	P	03 19 11.8	+1.2
GEYT	Alibek	66.36	303	P	P	03 19 10.2	-0.6
GEYT	Alibek	66.36	303	P	LR	03 50 40.7	
GYA0B	ALIBECK ARRAY	66.36	303	eP	P	03 19 10.2	-0.5
TOBO	Tombery, Bru	66.37	43	P	P	03 19 09.7	-0.8
M43A	Waltham Townsh	66.41	51	P	P	03 19 10.5	-0.4
N42A	Yates City	66.42	52	P	P	03 19 10.6	-0.4
MCD	Coleburn Disti	66.44	351	eP	P	03 19 10.8	-0.1
Q39A	Willow Grove F	66.52	55	P	P	03 19 11.9	+0.2
LLD	Lille Linde	66.56	341	iP	P	03 19 11.7	+0.1
LLD	Lille Linde	66.56	341	iP	P	03 19 11.7	+0.1
P40A	Paris	66.56	54	P	P	03 19 12.1	+0.2
P40A	Paris	66.56	54	eP	P	03 19 12.0	0.0
O41A	Passleys Farm,	66.62	53	P	P	03 19 12.3	0.0
MNE1	Melkie Cairn	66.68	351	eP	P	03 19 11.7	-0.8
N43A	Stutzman Famil	66.72	51	P	P	03 19 12.5	-0.4
KLBO	Killbear Provi	66.76	42	P	P	03 19 11.0	-2.1
R38A	Fenwick Farm,	66.78	56	P	P	03 19 12.5	-0.8
AKASG	Malin Array B	66.82	329	P	P	03 19 12.0	-1.4
AKASG	Malin Array B	66.82	329	P	LR	03 51 24.7	
AKASG	Malin Array B	66.82	329	P	LR	03 19 12.0	-1.4
AKASG	Malin Array B	66.82	329	P	P	03 19 12.3	-1.1
AKASG	Malin Array B	66.82	329	eP	P	03 19 12.3	-1.1
AKKB	Malin Array Si	66.82	329	eP	P	03 19 12.3	-1.1
AKKB	Malin Array Si	66.82	329	eP	P	03 1	

4X9A	Woodville	73.28	53	P	P	03 19 53.3 +0.1
244A	Avery Jackson	73.30	58	P	P	03 19 54.3 +1.0
CPCT	Cooper	73.31	51	eP	P	03 19 53.3 0.0
U53A	Fall Branch	73.38	49	P	P	03 19 53.9 +0.1
V52A	Sevierville	73.38	50	P	P	03 19 53.9 +0.2
V52A	Sevierville	73.38	50	eP	P	03 19 53.9 +0.2
STU	Stuttgart	73.39	341	eP	P	03 19 54.0 +0.4
STU	Stuttgart	73.39	341	eP	P	03 19 54.0 +0.4
Y48A	Jasper	73.40	54	P	P	03 19 53.5 -0.4
TKL	Tuckaleechee C	73.46	50	P	P	03 19 54.4 +0.2
TKL	Tuckaleechee C	73.46	50	P	P	03 19 54.4 +0.2
TKL	Tuckaleechee C	73.46	50	P	P	03 19 54.4 +0.1
BKNI	Bangkinang	73.47	245	eP	P	03 19 55.5 +1.0
343A	Arzberg	73.48	59	P	P	03 19 55.5 +1.2
ARSA	Arzberg	73.55	337	iP	P	03 19 55.6 +1.1
M65A	Busby, Falmout	73.55	38	P	P	03 19 54.4 -0.2
442A	Mamou	73.55	60	P	P	03 19 56.3 +1.5
BZS	Buzlas	73.57	332	iP	P	03 19 54.0 -0.7
BLA	Blacksburg	73.58	47	eP	P	03 19 54.9 0.0
BLA	Blacksburg	73.58	47	eP	P	03 19 54.9 0.0
BLA	Blacksburg	73.58	47	eP	P	03 19 54.9 0.0
POO	Poona	73.58	279	eP	P	03 19 53.2 -2.0
POO	Poona	73.58	279	eP	P	03 19 54.5
247A	Carrollton	73.58	55	P	P	03 19 55.1 +0.2
146A	Union	73.58	56	P	P	03 19 56.1 +1.1
146A	Union	73.58	56	eP	P	03 19 55.5 +0.6
X50B	Fort Payne	73.63	52	P	P	03 19 55.2 -0.1
Z48A	Northridge	73.67	54	P	P	03 19 55.2 -0.2
245A	Little AP, Sta	73.69	57	P	P	03 19 56.5 +1.0
541A	Lake Charles	73.72	61	P	P	03 19 57.1 +1.3
VWCC	Virginia Weste	73.73	47	eP	P	03 19 55.4 -0.4
344A	Westbrook Farm	73.77	58	eP	P	03 19 57.4 +1.3
344A	Westbrook Farm	73.77	58	eP	P	03 19 56.4 +0.4
MORH	M'rt'ry, Hung	73.78	334	iP	P	03 19 54.8 -1.1
Y49A	Blount Mountain	73.79	53	P	P	03 19 56.1 -0.1
Y49A	Blount Mountain	73.79	53	eP	P	03 19 56.1 -0.1
443A	Delano Plantat	73.83	59	P	P	03 19 58.1 +1.7
W52A	Murphy	73.87	51	P	P	03 19 56.7 +0.1
W52A	Murphy	73.87	51	eP	P	03 19 56.7 +0.1
V53A	Saluda	73.87	50	P	P	03 19 56.8 +0.1
V53A	Saluda	73.87	50	eP	P	03 19 56.8 +0.1
X51A	Calhoun	73.90	52	P	P	03 19 56.7 0.0
X51A	Calhoun	73.90	52	eP	P	03 19 56.9 +0.1
CVRD	Centerville Ro	73.91	45	eP	P	03 19 56.8 +0.1
147A	Livingston	73.92	55	P	P	03 19 57.4 +0.5
PTRD	Partlow Road	73.94	45	eP	P	03 19 56.8 -0.1
ILGA	Ilgaz	73.94	322	eP	P	03 19 58.0 +0.8
CCA1	Carmenelles	73.95	351	eP	P	03 19 57.0 +0.2
CCA1	Carmenelles	73.95	351	eP	P	03 19 58.0
CBN	Corbin Frederi	73.96	45	P	P	03 19 56.7 -0.3
CBN	Corbin Frederi	73.96	45	eP	P	03 19 56.7 -0.3
BFO	Black Forest	73.97	342	eP	P	03 19 56.7 -0.3
BFO	Black Forest	73.97	342	iP	P	03 19 57.1 +0.1
542A	Morse	73.97	60	P	P	03 19 59.6 +2.4
BEHE	Beesely	73.99	335	iP	P	03 19 57.0 -0.1
HERR	Herculane	74.03	331	iP	P	03 19 57.3 -0.1
246A	Jackson Lee, B	74.06	56	P	P	03 19 59.0 +1.2
Y50A	Piedmont	74.07	53	P	P	03 19 57.8 0.0
PRD	Provida	74.11	327	eP	P	03 19 58.4 +0.6
W53A	Cullowhee	74.14	50	P	P	03 19 58.4 +0.1
KBA	Koelbrenspes	74.19	338	iP	P	03 19 60.0 +1.5
SOKA	Soboth	74.20	337	iP	P	03 19 59.2 +0.7
LRAL	Lakeview Retre	74.21	54	P	P	03 19 58.2 -0.4
LRAL	Lakeview Retre	74.21	54	eP	P	03 19 57.8 -0.8
PERS	Pernice	74.22	337	iP	P	03 19 58.7 +0.2
345A	Thompson Farm	74.22	58	P	P	03 19 59.9 +1.2
148A	Greensboro	74.27	55	P	P	03 19 58.7 -0.3
247A	Quitman	74.28	56	P	P	03 20 00.1 +1.1
ECH	Echery	74.28	342	eP	P	03 19 58.4 -0.4
ECH	Echery	74.28	342	eP	P	03 19 58.4 -0.4
Z49A	Columbiana	74.29	54	P	P	03 19 58.9 -0.2
X52A	Dahlonega	74.30	51	P	P	03 19 59.1 0.0
WATA	Walderalm	74.31	339	iP	P	03 20 01.1 +1.9
MDVR	Moldovita	74.32	331	iP	P	03 19 56.2 -2.9
RETA	Reutte	74.32	340	iP	P	03 19 59.7 +0.5
543A	St. Martinville	74.35	60	P	P	03 20 01.4 +2.0
WTTA	Wattenberg	74.36	339	iP	P	03 20 00.3 +0.8
Y51A	Rockmark	74.37	52	P	P	03 19 59.3 -0.2
444A	Pine Grove	74.37	58	P	P	03 20 01.0 +1.5
BG3	Lake Jocassee	74.39	50	eP	P	03 19 59.9 +0.3
MOT4	Moosalm	74.39	340	iP	P	03 20 01.3 +1.6
346A	Big Creek Wild	74.42	57	eP	P	03 20 00.9 +1.0
346A	Big Creek Wild	74.42	57	eP	P	03 20 01.1 +1.2
URVA	University of	74.44	45	eP	P	03 19 59.8 -0.1
GSI	Gunning	74.45	249	eP	P	03 19 59.7 -0.4
OBKA	Obir	74.47	337	iP	P	03 20 01.0 +1.0
SZH	Strazhnica	74.50	328	eP	P	03 19 59.6 -0.5
Z50A	Ashland	74.52	53	P	P	03 20 00.4 -0.1

Z50A	Ashland	74.52	53	eP	P	03 20 00.1 -0.3
MYKA	Terra Mystica	74.55	338	iP	P	03 20 01.1 +0.6
445A	Amelia	74.55	58	P	P	03 20 02.1 +1.5
JSA	Saint Aubin	74.64	349	eP	P	03 20 00.4 -0.4
X53A	EstP	74.64	51	P	P	03 20 01.4 +0.4
248A	Dixon Mills	74.65	55	P	P	03 20 01.9 +0.8
544A	Whit Castle	74.67	59	P	P	03 20 03.3 +2.0
149A	Jones	74.67	54	P	P	03 20 01.3 +0.1
ABTA	Abfattersbach	74.68	338	iP	P	03 20 01.9 +0.7
DNAV	Damuels	74.69	340	iP	P	03 20 01.6 +0.2
LIGA	Linares	74.71	68	eP	P	03 20 01.6 -0.1
FNAT	Feiten	74.73	340	iP	P	03 20 02.7 -0.0
ZAIG	Zacatecas	74.78	72	eP	P	03 20 03.0 +0.6
Z51A	Frailin	74.81	53	P	P	03 20 01.8 -0.3
Y52A	Lilburn	74.84	52	P	P	03 20 02.4 +0.1
452A	Lilburn	74.84	52	eP	P	03 20 02.4 +0.1
Y57A	Saraland	74.85	56	P	P	03 20 03.6 +1.3
LJU	Ljubljana	74.91	337	iP	P	03 20 01.7 -0.8
KMSC	Kings Mountain	74.95	49	P	P	03 20 02.7 -0.2
KMSC	Kings Mountain	74.95	49	eP	P	03 20 02.6 -0.2
446A	Poplarville	74.97	57	P	P	03 20 04.2 +1.3
150A	Eclectic	75.02	54	P	P	03 20 03.1 -0.2
PAUL	Pauline	75.02	50	eP	P	03 20 02.8 -0.5
Z49A	Camden	75.04	55	P	P	03 20 04.0 +0.6
Y53A	Monroe	75.06	51	P	P	03 20 03.7 +0.1
OZLJ	Ozaj	75.10	336	iP	P	03 20 03.3 -0.2
BR101	Keskin Array S	75.14	321	eP	P	03 20 03.3 -0.7
BR131	Keskin Array S	75.14	321	eP	P	03 20 03.6 -0.5
BRTR	Keskin Array B	75.14	321	eP	P	03 20 03.3 -0.7
BRTR	Keskin Array B	75.14	321	eP	P	03 20 03.3 -0.7
348A	Jackson	75.14	56	P	P	03 20 05.1 +1.1
348A	Jackson	75.14	56	eP	P	03 20 04.3 +0.3
DAVOX	Davos/Dischmat	75.17	340	P	P	03 20 04.4 +0.3
DAVOX	Davos/Dischmat	75.17	340	P	P	03 20 04.4 +0.3
Z52A	Williamson	75.25	52	P	P	03 20 04.7 +0.1
BOJS	Bojanci	75.26	336	iP	P	03 20 04.1 -0.4
447A	Lucedale	75.30	57	P	P	03 20 06.0 +1.1
447A	Lucedale	75.30	57	eP	P	03 20 06.2 +1.3
ANTO	Ankara	75.31	322	eP	P	03 20 04.7 -0.3
ANTO	Ankara	75.31	322	eP	P	03 20 04.9 -0.1
ANTO	Ankara	75.31	322	eP	P	03 20 04.9 -0.1
ANTO	Ankara	75.31	322	eP	P	03 20 04.9 -0.1
HODGE	Hodges	75.33	50	eP	P	03 20 05.1 +0.1
BR231	Keskin MP Arra	75.34	322	eP	P	03 20 05.8 +0.6
151A	Opekika	75.40	53	P	P	03 20 05.1 -0.4
DIVS	Divarab	75.41	332	eP	P	03 20 05.3 -0.2
250A	Grady	75.43	54	P	P	03 20 05.8 +0.1
250A	Grady	75.43	54	eP	P	03 20 05.8 +0.1
Y54A	Tignall	75.45	51	P	P	03 20 06.1 +0.3
645A	Chauvin	75.48	59	P	P	03 20 08.5 +2.6
GOGA	Godfrey	75.49	51	P	P	03 20 05.8 -0.1
GOGA	Godfrey	75.49	51	eP	P	03 20 06.0 0.0
GOGA	Godfrey	75.49	51	eP	P	03 20 06.0 0.0
GOGA	Godfrey	75.49	51	eP	P	03 20 06.0 0.0
BLY	Banja Luka	75.51	335	iP	P	03 20 05.2 -0.7
BLY	Banja Luka	75.51	335	eP	P	03 20 05.8 -0.1
349A	Repton	75.53	55	P	P	03 20 07.2 +1.0
Z53A	Motacelle	75.55	52	P	P	03 20 06.3 -0.1
152A	Waverly Hall	75.56	53	P	P	03 20 06.1 -0.3
152A	Waverly Hall	75.56	53	eP	P	03 20 06.0 -0.3
448A	Bay Minette	75.56	56	P	P	03 20 07.7 +1.3
TUE	Stuetta	75.57	340	eP	P	03 20 06.3 -0.2
JSC	Jenkinsville	75.72	49	eP	P	03 20 07.2 0.0
JSC	Jenkinsville	75.72	49	eP	P	03 20 07.2 0.0
Z51C	Midway	75.73	54	P	P	03 20 07.3 -0.1
BRAL	Brewton	75.75	55	P	P	03 20 08.4 +0.9
BRAL	Brewton	75.75	55	eP	P	03 20 08.4 +0.9
646A	Port Sulphur	75.75	58	P	P	03 20 09.6 +2.1
350A	Dozier	75.87	55	P	P	03 20 08.8 +0.6
Z54A	Sparta	75.92	51	P	P	03 20 08.6 +0.3
VTS	Vitosh	75.92	330	iP	P	03 20 07.4 -1.1
VTS	Vitosh	75.92	330	eP	P	03 20 08.2 -0.3
VTS	Vitosh	75.92	330	eP	P	03 20 08.0 -0.5
VTS	Vitosh	75.92	330	eP	P	03 20 07.2 -1.3
VTS	Vitosh	75.92	330	eP	P	03 20 08.2 -0.3
153A	Fort Valley	75.97	52	P	P	03 20 08.8 +0.1
449A	Pae	76.01	56	P	P	03 20 10.3 +1.4
SENN	Lac Senin/Sane	76.05	342	eP	P	03 20 08.6 -0.6
UDBI	Udbina	76.06	335	iP	P	03 20 09.9 -0.2
Z52A	Lumpkin	76.17	53	P	P	03 20 08.4 -0.1
KDZ	Kurdzhali	76.13	328	eP	P	03 20 09.4 -0.1
NVLJ	Novalja	76.23	326	iP	P	03 20 09.5 -0.5
Z55A	Blythe	76.24	51	P	P	03 20 10.5 +0.3
450A	Crestview	76.25	55	P	P	03 20 11.4 +1.0
PLE	Piljevia	76.28	332	eP	P	03 20 09.7 -0.8
RZN	Rozen	76.31	328	eP	P	03 20 10.5 -0.2
CNCC	Cliffs of the	76.31	46	eP	P	03 20 11.0 +0.4
CNCC	Cliffs of the	76.31	46	eP	P	03 20 10.9 +0.4
154A	Moose	76.33	52	P	P	03 20 11.0 +0.2
154A	Montrose	76.33	52	eP	P	03 20 11.1 +0.4
351A	Pinckard	76.33	54	P	P	03 20 11.2 +0.5

253A	Americus	76.33	53	P	P	03 20 10.7 0.0
253A	Americus	76.33	53	eP	P	

16d 7h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC, Res. Includes stations like WAKE ISLAND Hy 28.55 125 T, WAKE ISLAND Hy 29.31 127 T, etc.

ISCJB 16 06:05:21.3.0.6, 24.65N, 0.04:122.54E, 0.02, h11km, 4km, Error ellipse: s-maj=7.6km s-min=2.3km az=6.9

JMA 16 06:05:21.9.24.58N, 122.52E, h25km, 1km, M2.2

TAP 16 06:05:21.3.24.65N, 122.51E, h13km, ML2.7, C

ISC 16 06:05:21.4.1.1, 24.62N, 0.05:122.52E, 0.02, h19km, 3km, n31, c0.93/52, Taiwan region

Main table of station data for the first section, including stations like EOS1, YONAGUNIJIMAKU, YONAGUNI JIMA, etc.

GUC 16 06:06:19.5.0.6, 19.46S, 67.96W, h269km, 7km, ML4.0, 2C, Southern Bolivia

Table of station data for the GUC section, including stations like IPOC Station P, MIMC, etc.

IDC 16 06:32:26.9.2.4, 436N, 127.16E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.2/58, mbmtmp3.4/3, MS3.1/1, Ms1 3.3/1, ms1mx2.4/28, Error ellipse: s-maj=192.7km s-min=25.5km az=66.0, Talaud Islands

2012 JUL

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 16 06:34:39.7.9.2, 22.77S, 179.40E, h658km, 118km, mb3.1/6, mb1 3.4/6, mb1mx2.8/44, mbmtmp4.2/6, Error ellipse: s-maj=48.7km s-min=3.0km az=71.0, South of Fiji Islands

Table of station data for the IDC section, including stations like CTA Charters Tower, WRA Warramunga Arr, etc.

IDC 16 07:12:11.7.1.1, 11.04N, 126.82E, h0km, mb3.9/9, mb1 4.0/9, mb1mx3.7/57, mbmtmp3.9/9, MS3.0/2, Ms1 3.0/2, ms1mx2.6/56, Error ellipse: s-maj=100.0km s-min=15.6km az=70.0

ISC 16 07:12:12.5.2.1, 10.88N, 0.04:126.41E, 0.08, h5km, 12km, n21, c1.78/28, mb4.1/9, 1C-2D, Philippine Islands region

Main table of station data for the second section, including stations like BORONGAN, SURIGAO, PALO, etc.

BGR 16 07:15:48.3.0.8, 44.60N, 10.91E, h10km, ML3.3/3, Error ellipse: s-maj=20.0km s-min=10.0km az=172.0

VIE 16 07:15:48.7.0.3, 44.92N, 11.07E, h5km, 2km, mb2.7/12, m3.0/16, Error ellipse: s-maj=3.1km s-min=1.8km az=120.0 51 km NNW of Bologna

ROM 16 07:15:48.1.0.2, 44.938N, 0.006:10.961E, 0.009, h10km, ML3.1/36

LDG 16 07:15:49.8.0.1, 44.90N, 11.05E, h2km, M3.2/24, Error ellipse: s-maj=3.1km s-min=2.5km az=129.0

CSEM 16 07:15:49.6.0.2, 44.93N, 10.97E, h10km, ML3.2/28, Error ellipse: s-maj=5.1km s-min=2.4km az=145.0

ISCJB 16 07:15:50.0.2.4, 44.93N, 10.92E, 0.02, h24km, 2km, Error ellipse: s-maj=3.0km s-min=2.2km az=148.0

PRU 16 07:15:52.7.44.96N, 10.94E, h23km

ISC 16 07:15:49.8.0.4, 44.92N, 0.02:10.91E, 0.02, h17km, 4km, n191, c1.913/272, 10C-2D, Northern Italy

Main table of station data for the third section, including stations like GONZAGA (MN), RIO SALICETO, NOVELLARA, etc.

Main table of station data for the right side of the page, including stations like T0800, MODENA, CASUMARU (BOND), etc.

Table with columns: MOA, Mollin, comp, 3.74 37 Pn, Pn, 07 16 47.0 +0.3, etc. Lists various stations and their coordinates.

16d 17:16:47.2±1.7, 3.98S, 101.55E, h0km, mb4.0/10, mb1 4.1/10, mb1mx3.8/63, mbtmp4.0/10, Error ellipse: s-maj=71.0km s-min=16.9km az=56.0

NEIC 16:17:55.5±1.0, 3.93S, 101.67E, h62km, 6km, mb4.5/6, Error ellipse: s-maj=22.3km s-min=4.8km az=50.0

DJA 16:17:55.0±1.9, 4.19S, 101.20E, h17km, 20km, M3.9/6, ML3.9/6

ISC 16:17:16:53.7±0.7, 3.80S, 010.101, 82E, 0.08, h35km, n45, r155/40, mb4.2/14, Southern Sumatara

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

Table with columns: SONAO, SONGINGO ARRAY, 51.57 4 eP, P, 07 25 56.6 +0.1, etc. Lists station data for the 2012 JUL event.

0.8nm, 0.8s

ISC 16:07:28.03±0.13, 0.2177S, 175.55W, h0km, mb4.1/5, mb1 3.6/5, mb1mx3.8/54, mbtmp4.1/5, Error ellipse: s-maj=342.1km s-min=36.8km az=41.0, Tonga Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists station data for the Tonga Islands event.

ISC 16:08:36:59.4±1.1, 2.16N, 125.91E, h0km, mb3.5/6, mb1 3.6/6, mb1mx3.4/54, mbtmp3.5/6, MS3.2/1, Ms1 3.2/1, ms1mx2.5/34, Error ellipse: s-maj=136.3km s-min=17.9km az=67.0, Talau Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists station data for the Talau Islands event.

ISC/JB 16:08:38:41.3±0.7, 18.0S, 02.178, 5W, 0.2, h579km, mb3.7/10, Error ellipse: s-maj=30.0km s-min=15.4km az=148.6

ISC 16:08:38:45.0±4.7, 18.01S, 178.51W, h610km, 56km, mb3.2/10, mb1 3.5/10, mb1mx3.1/45, mbtmp4.1/10, Error ellipse: s-maj=22.6km s-min=19.0km az=134.0

ISC 16:08:38:42.1±0.7, 18.0S, 02.178, 5W, 0.2, h579km, n13, c=073/15, mb3.7/10, Fiji Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists station data for the Fiji Islands event.

ISC/JB 16:08:45:20.0±0.5, 19.93S, 003.69, 24W, 0.08, h106km, 5km, mb3.8/3, Error ellipse: s-maj=12.8km s-min=5.5km az=175.8

GUC 16:08:46:27.1±0.7, 19.94S, 69.37W, h86km, 3km, ML3.7, 16:08:46:29.5±3.4, 19.91S, 68.80W, h125km, 28km, mb3.6/3, mb1 3.6/6, mb1mx3.3/40, mbtmp3.9/6, Error ellipse: s-maj=42.6km s-min=23.8km az=69.0

ISC 16:08:46:25.0±0.8, 19.93S, 004.69, 26W, 0.08, h95km, 6km, n24, c1929/27, mb3.7/3, 2C-4D, Northern Chile

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists station data for the Northern Chile event.

Table with columns: LPAZ, SIV, CPUP, SNA, TOR, YKA, H1S2, H1S1, H1S3, H1N3, H1N2, H1N1, ASAR, WRA, SONM. Lists station data for the PB03 event.

ISC/JB 16:08:51:29.9±0.8, 2.339N, 02.122, 27E, 0.02, h9km, 5km, Error ellipse: s-maj=4.3km s-min=2.3km az=158.8

JMA 16:08:51:30.7±0.1, 2.339N, 02.122, 26E, h19km, 3km, M2.3

TAP 16:08:51:30.5±2.0, 2.410N, 122.28E, h17km, ML2.7, C

ISC 16:08:51:30.6±1.2, 2.339N, 003.122, 26E, 0.02, h18km, 6km, n52, c0955/75, Taiwan region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists station data for the Taiwan region event.

Table with columns: SLGT, Liugui, 1.78 236 eS, Sb, 08 52 24.4 -0.3, etc.

ISCJB 16 09:01:10.8-1.1, 31.89S:0.03:71.50W:0.08, h75km, 26km, Error ellipse: s-maj=11.6km s-min=5.7km az=173.7

SJA 16 09:01:10.9-0.7, 31.91S:71.33W, h67km, 19km, ML2.6, MW3.6

GUC 16 09:01:11.6-0.5, 31.83S:71.05W, h65km, 28km, ML2.9

ISC 16 09:01:11.7-2.1, 31.89S:0.04:71.49W:0.09, h57km, 56km, n20, e0546/28, 5C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like ROCH, ROC1, PEL, etc.

ISCJB 16 09:03:46.0-0.6, 50.16N:0.04:19.04E:0.03, h0km, Error ellipse: s-maj=5.9km s-min=2.7km az=8.7

CSEM 16 09:03:47.0-0.4, 50.15N:19.08E, h2km, ML2.7/5, Error ellipse: s-maj=9.2km s-min=4.3km az=8.0

PRU 16 09:03:47.5-0.5, 50.15N:19.10E, h0km

WAR 16 09:03:48.3-0.5, 50.10N:19.20E, h1km, Mw2.7

ISC 16 09:03:45.6-0.9, 50.20N:0.04:19.16E:0.02, h0km, n32, e050/50, Poland

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

ISCJB 16 09:04:03.8-0.5, 39.92N:0.02:39.06E:0.03, h2km, 6km, Error ellipse: s-maj=4.0km s-min=3.8km az=168.9

CSEM 16 09:04:03.9-0.1, 39.92N:39.07E, h5km, ML2.4, Error ellipse: s-maj=2.8km s-min=2.6km az=145.0

ISC 16 09:04:03.9-1.1, 39.92N:0.02:39.06E:0.02, h3km, 11km, n36, e071/54, Turkey

Table with columns: KELT, EUZM, Uzulmu, 0.54 113 i P, Sg, 09 04 14.5 +1.6, etc.

CSEM 16 09:04:20.9-0.3, 38.44N:43.34E, h8km, ML2.9, Error ellipse: s-maj=6.8km s-min=5.1km az=90.0

ISK 16 09:04:20.9, 38.48N:43.28E, h5km, ML2.3/4

ISCJB 16 09:04:21.7-0.5, 38.46N:0.03:43.33E:0.04, h9km, 4km, Error ellipse: s-maj=5.6km s-min=4.8km az=22.9

DDA 16 09:04:22.1, 38.50N:43.34E, h11km, ML2.9

ISC 16 09:04:21.1-0.8, 38.47N:0.02:43.35E:0.04, h12km, 5km, n26, e075/43, Turkey

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

CSEM 16 09:06:36.2-0.1, 38.55N:22.47E, h28km, 2km, ML1.8, Error ellipse: s-maj=4.3km s-min=3.4km az=147.0

ATH 16 09:06:37.6, 38.46N:22.44E, h27km, 2km, ML1.8/3, Error ellipse: s-maj=3.1km s-min=1.1km az=344.0

THE 16 09:06:37.1, 38.57N:22.44E, h21km, 2km, ML1.7/5, Error ellipse: s-maj=2.3km s-min=0.6km az=146.0, Greece

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

ISC 16 09:13:13.2, 37.28N:42.56E, h7km, ML2.6/6

ISC 16 09:13:13.2-1.4, 37.27N:0.06:42.53E:0.03, h5km, 10km, n25, e076/36, Turkey

Table with columns: AGG, Agios Georgios, 0.46 349 P, Pb, 09 06 46.6 +1.1, etc.

CSEM 16 09:06:40.9-1.2, 38.21N:25.69E, h36km, 10km, ML1.9, Error ellipse: s-maj=4.5km s-min=17.3km az=47.0

ATH 16 09:06:39.4, 38.17N:25.73E, h44km, 2km, ML1.9/1, Error ellipse: s-maj=6.8km s-min=1.4km az=36.0, Aegean Sea

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

NIED 16 09:10:00.25, 80N:124.50E, h41km, Mw4.1 Best double couple: M1.63000:0.1015 NP1:0.230.00000: 84.00000: lambda=57.00000: NP2:0.17.00000: 887.00000: lambda=92.00000

ISCJB 16 09:10:24.0-2.0, 25.83N:124.54E, h145km, 27km, h162km, 5km, mb3.6/13, Error ellipse: s-maj=12.2km s-min=4.3km az=148.6

IDC 16 09:10:24.0-2.6, 25.83N:124.54E, h145km, 27km, mb3.6/12, mb1.3/6.14, mb1mx3.5/58, mbtmp4.0/14, Error ellipse: s-maj=26.0km s-min=13.4km az=65.0

JMA 16 09:10:26.3-0.2, 25.77N:124.48E, h151km, M3.8

ISC 16 09:10:25.1-0.7, 25.83N:124.51E:0.06, h156km, 9km, n34, e102/53, mb3.8/13, Northeast of Taiwan

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

JOW 27m, 0.3s, baz=122, slow=28, SNR=107

JOW 27m, 0.3s, baz=318, slow=28, SNR=119

JOW 27m, 0.3s, baz=211, slow=12, SNR=3.8

JOW 27m, 0.3s, baz=115, slow=7.5, SNR=6.6

JOW 27m, 0.3s, baz=96, slow=9.5, SNR=3.5

JOW 27m, 0.3s, baz=104, slow=7.2, SNR=5.2

JOW 27m, 0.3s, baz=104, slow=7.2, SNR=5.2

JOW 27m, 0.3s, baz=110, slow=9.6, SNR=5.0

JOW 27m, 0.3s, baz=348, slow=8.0, SNR=18

JOW 27m, 0.3s, baz=48, slow=3.9, SNR=1.9

JOW 27m, 0.3s, baz=133, slow=4.6, SNR=4.4

JOW 27m, 0.3s, baz=133, slow=4.4, SNR=5.8

JOW 27m, 0.3s, baz=69, slow=4.8, SNR=4.3

ISC 16 09:13:13.2, 37.28N:42.56E, h7km, ML2.6/6

ISC 16 09:13:13.2-1.4, 37.27N:0.06:42.53E:0.03, h5km, 10km, n25, e076/36, Turkey

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

Table with columns: SATY, CHKK, SATY, CHKK. Includes station names like Saty 8.2nm,0.2s and Chushtly 2.1nm,0.2s.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like WRR Warramunga Arr and ASAR Alice Springs.

IDC 16 14:02:09.7±1.9, 18°22'S-177°60'W, h0km, mb4.2/4, mb1 4.5/4, mb1mx3.8/4, mbtmp4.2/4, Error ellipse: s-maj=151.2km s-min=32.2km az=156.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like STKA Stephens Creek and WRR Warramunga Arr.

IDC 16 14:17:41.4±2.1, 3°64N-92°65E, h0km, mb3.7/3, mb1 3.9/5, mb1mx3.4/62, mbtmp3.8/5, ML3.9/2, Error ellipse: s-maj=56.2km s-min=31.3km az=48.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like PALK Pallekele and CMAR Chiang Mai Arr.

IDC 16 14:24:59.9-458.0, 47°49N-46°38E, h0km, Error ellipse: s-maj=195.5km s-min=139.2km az=175.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like I31KZ AKTYUBINSK INF and I43RU DUBNA INFRASONI.

IDC 16 14:35:29.4±3.8, 50°78N-96°27E, h0km, mb1 3.2/1, mb1mx2.7/69, mbtmp3.2/1, ML2.5/1, Error ellipse: s-maj=67.7km s-min=30.9km az=5.0, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like SONM Songoing Array and ZALV Zalesovo Beam.

IDC 16 14:35:52.7±0.6, 29°49N-107°54E, h0km, mb3.9/7, Error ellipse: s-maj=11.8km s-min=7.9km az=156.5

IDC 16 14:35:53.9±0.9, 29°57N-107°59E, h0km, mb4.0/6, mb1 4.0/8, mb1mx3.6/66, mbtmp3.9/8, ML3.7/2, Error ellipse: s-maj=35.6km s-min=17.5km az=52.0

NEIC 16 14:35:54.3±0.7, 29°52N-107°57E, h7km, mb4.2/1, Error ellipse: s-maj=11.9km s-min=10.2km az=111.0

ISC 16 14:35:54.6±0.7, 29°52N-107°57E, h0km, n16, ±124/18, mb3.9/7, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like ENH Enshi and WRR Warramunga Arr.

SJA 16 14:45:01.3±0.6, 31°41'S-68°58'W, h109km, mb2km, ML3.0, MW3.6, 2D, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like RTLL Cerro Villicu and SJA San Juan.

ISCJB 16 14:48:45.8±0.6, 12°74N-0°05-94°10'E-0°06, h100km, mb3.7/11, Error ellipse: s-maj=9.4km s-min=7.0km az=25.0

IDC 16 14:48:48.5±2.1, 12°87N-93°83E, h116km, mb4.5/11, mb1 3.5/12, mb1mx3.6/62, mbtmp3.8/12, Error ellipse: s-maj=36.9km s-min=14.3km az=61.0

ISC 16 14:48:48.8±0.9, 12°75N-0°10-93°9'E-0°1, h100km, n22, ±157/22, mb3.7/11, Andaman Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like PBA Port Blair and CMAR Chiang Mai Arr.

ISCJB 16 15:31:33.0±1.5, 1°8N-0°2-126°0E-0°2, h10km, mb3.3/3, Error ellipse: s-maj=30.1km s-min=19.6km az=36.7

IDC 16 15:31:33.0±1.5, 1°92N-126°32E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/58, mbtmp3.4/3, Error ellipse: s-maj=178.4km s-min=26.2km az=65.0

DJA 16 15:32:13.6±1.2, 2°16'N-6°12'2E, h10km, M2.6/5, MLV2.6/5

ISC 16 15:32:13.6±1.2, 2°16'N-6°12'2E-0°1, h10km, n7, ±157/6, mb3.5/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like MRSI Marisa and WRR Warramunga Arr.

IDC 16 15:41:18.9±3.0, 36°23N-70°91E, h187km, mb27km, mb3.3/7, mb1 3.4/13, mb1mx3.1/67, mbtmp3.9/13, Error ellipse: s-maj=23.3km s-min=18.3km az=1.0

ISCJB 16 15:41:19.3±0.3, 36°38N-0°03-70°87E-0°05, h188km, mb3.4/7, Error ellipse: s-maj=5.8km s-min=3.1km az=154.6

NMC 16 15:41:27.3±1.6, 36°97N-70°93E, h227km, mb16km, mb3.3, mp4.5, Error ellipse: s-maj=15.5km s-min=9.9km az=14.0

ISC 16 15:41:19.4±0.6, 36°40N-0°05-70°92E-0°06, h188km, n57, ±235/72, mb3.7/6, 6C-8D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like CEP Cherat and AML Almayashu.

Table with columns: MNAS, UCH, KZA, EKS2, KK31, KK31, AAK, AAK, AAK, AAK, UHLH, CHMS, USP, SMLA, SMLA, SMLA, SMLA, TKM2, TKM2, TKM2, MDOK, DDI, JOSI, KHET, KHET, KHET, KHET, JASL, SONA, SONA, SONA, GEYT, GEYT, PYUN, MK31, MKAR, DANN, KOLN, BHPL, GKN, DMN, KKN, PKIN, AB31, GUN, KURBS, JIRN, RAMM, BVAR, BVAR, AKTO, AKTO, ODAN, ZALV, ARCS, HFS, NB2, TORD, YKA, WRR, ASAR. Includes station names like Stephens Creek, Warramunga Arr, etc.

ISCJB 16 15:59:37.5±1.6, 10°4'S-0°2-161°5E-0°2, h67km, mb3.3/4, Error ellipse: s-maj=31.9km s-min=16.3km az=137.5

IDC 16 15:59:43.6±2.8, 10°20'S-161°20'E, h94km, mb3.3/4, mb1 3.5/5, mb1mx3.3/47, mbtmp3.7/5, Error ellipse: s-maj=36.1km s-min=22.9km az=70.0

ISC 16 15:59:38.9±1.4, 10°4'S-0°2-161°4E-0°2, h67km, n7, ±89/93, mb3.5/4, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like HNR Honiara and WRR Warramunga Arr.

MEX 16 16:15:50.1±0.8, 17°30N-95°38W, h157km, mb13km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like VHO Vista Hermosa and HUG Huatulco.

BUJ 16:33:07.1, 1.515s, 137.31E, h18km, mb5.2/82, mB5.6/58, Ms5.4/94, Ms7.5/186
ICC 16:33:08.5, 0.4, 1.29S, 137.09E, h0km, mb5.1/32, mb1.5/35, mb1mx5.0/49, mbtmp5.1/35, ML4.1/3, MS5.0/34, Ms1.5/0/34, ms1mx4.9/44, Error ellipse: s-maj=16.4km s-min=9.2km az=76.0
ISCJB 16:33:09.8, 0.7, 1.25S, 0.02x137.09E, 0.02, h19km, 4km, mb5.3/217, MS5.3/486, Error ellipse: s-maj=3.6km s-min=2.9km az=42.5
NEIC 16:33:09.0, 0.1, 1.31S, 137.05E, h25km, Moment Tensor Solution, s25 Moment tensor: Scale 10¹⁷Nm; M=1.32; Mw=0.78; Ms=0.54; Ml=0.36; Ml=0.31; Ml=0.21; Best double couple: M3.40000°, 1017° NP1.8, 189.00000°, S74.00000°, λ-133.00000°. NP2.8, 83.00000°, S46.00000°, λ-23.00000°. Principal axes: T 3.3700, P17.0000, Azm309.0000; N 0.0800, Plg41.0000, Azm204.0000; P -3.4400, Plg43.0000, Azm57.0000;
GCMT 16:33:10.1, 0.1, 1.28S, 137.02E, h13km, MW5.7/134, Moment Tensor Solution, s119c229; s134c382; Duration: 1s8 Moment tensor: Scale 10¹⁷Nm; M=0.53±.03; Mw=0.66±.03; Ms=0.13±.03; Ml=0.52±.07; Mw=3.34±.03; Ml=3.44±.18; Best double couple: M4.80000°, 1017° NP1.8, 187.00000°, S66.00000°, λ-133.00000°. NP2.8, 83.00000°, S43.00000°, λ-5.00000°. Principal axes: T 5.0600, Plg28.0000, Azm310.0000; N -0.4290, Plg43.0000, Azm190.0000; P -4.6320, Plg34.0000, Azm61.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
NEIC 16:33:10.1, 0.7, 1.30S, 137.05E, h13km, 4km, mb5.6/111, MS5.3/298, MW5.6, MW5.6 Error ellipse: s-maj=3.5km s-min=3.1km az=71.0, Moment Tensor Solution, s34 Moment tensor: Scale 10¹⁷Nm; M=0.65; Mw=0.10; Mw=0.55; Ms=0.29; Ml=2.71; Ml=1.66; Best double couple: M3.30000°, 1017° NP1.8, 95.00000°, S57.00000°, λ12.00000°. NP2.8, 83.00000°, S43.00000°, λ-1.4700000°. Principal axes: T 3.1600, Plg30.0000, Azm312.0000; N 0.1700, Plg56.0000, Azm165.0000; P -3.3300, Plg16.0000, Azm51.0000;
NEIC Felt (I) at Serui.
MOS 16:33:11.2, 0.8, 1.34S, 136.92E, h31km, 4km, 5.7/56, MS5.1/29 Error ellipse: s-maj=9.5km s-min=4.8km az=103.5
DJA 16:33:11.6, 0.6, 1.3S, 137.7E, h16km, 4km, M5.5/69, mb5.9/58, mb5.6/89, MLV6.0/10, Mw(mE)5.5/58, Mwps6/4
ISC 16:33:11.5, 0.9, 1.127S, 0.03x137.14E, 0.03, h20km, 2km, mb2.0/17, NP2.8, 83.00000°, S43.00000°, λ-1.4700000°, 35C-9D, North coast of Irian Jaya

Code	Station Name	Δ	AZ	Phase ID	Time	Res
				Op	ISC	h m s ISC
BAKI	Biak	1.04	274	P	Pb	16 33 29.1 -1.7
SRPI	Serui, Papua	1.08	237	P	Pb	16 33 30.2 -1.3
RKPI	Ransiki, Papua	2.97	265	S	Pn	16 34 32.6 -0.1
RKPI				Sg	Sg	16 34 51.7 +4.5
GENI	Genyem	3.30	114	P	Pn	16 34 02.0 -0.1
GENI				Sg	Sg	16 34 36.4 -4.3
GENI				Sg	Sg	16 34 35.0 +2.6
JAY	Jayapura	3.77	109	S	Pn	16 34 07.9 -0.8
JAY				S	Pn	16 34 40.3 -1.2
KMPI	Kaimana, Papua	4.17	235	P	Pn	16 34 16.5 +2.4
FAKI	Fak Fak	5.16	251	P	Pn	16 34 27.5 -0.1
FAKI				Pn	Pn	16 34 26.7 -1.0
SWI	Sorong	5.89	274	P	Pn	16 34 38.8 +1.0
BNDI	Bandanaira	7.92	246	P	Pn	16 35 06.9 +1.3
MSAI	Masohi	8.46	256	P	Pn	16 35 18.4 +5.3
PALU	Palau	8.96	343	P	Pn	16 35 21.0 +1.0
AAIW	PALAU INFRASON	9.12	344	I		17 34 00.0
AAI	Ambon	9.26	255	P	Pn	16 35 26.5 +2.5
LBMI	Labuha	9.66	274	P	Pn	16 35 32.1 +2.6
TNTI	Ternate	9.98	282	P	Pn	16 35 37.1 +3.2
TNTI	Ternate	9.98	282	ePn	Pn	16 35 34.8 +0.9
NLAI	Namlea	10.22	259	P	Pn	16 35 38.3 +1.1
MANU	Manus Island	10.25	94	ePn	Pn	16 35 39.5 +1.9
SANI	Sanana	11.18	266	P	Pn	16 35 50.0 -0.3
KDU	Kakadu	12.25	202	Pn	Pn	16 36 02.2 -2.7
PMG	Port Moresby	12.83	129	Pn	Pn	16 36 12.7 -0.3
PMG				Sn	Sn	16 36 38.2 -2.5
PMG				LR	LR	16 42 25.8
MTN	Manton Dam	12.95	207	P	Pn	16 36 12.0 -2.5
MTN	Manton Dam	12.95	207	ePn	Pn	16 36 12.3 -2.2
KMSI	Cibinong	13.29	278	P	Pn	16 36 23.2 +4.0
COEN	Coen	13.95	155	P	Pn	16 36 25.0 -3.2
COEN	Coen	13.95	155	ePn	Pn	16 36 24.7 -3.4
DAV	Davao City (W)	14.21	306	P	Pn	16 36 33.7 +2.0
DAV				LR	LR	16 42 46.7
DAV	Davao City (W)	14.21	306	P	Pn	16 36 31.0 -0.7
DAV	Davao City (W)	14.21	306	ePn	Pn	16 36 32.3 +0.6
DAV	Davao City (W)	14.21	306	P	Pn	16 36 36.5 -2.5
LUWI	Luwak	14.37	271	P	P	16 36 38.1 -2.7
LUWI	Luwak	14.37	271	S	Pn	16 39 14.4 +1.5
KDI	Kendari	14.75	259	P	P	16 36 32.7 -1.3
RABL	Rabaul	15.28	101	ePn	Pn	16 36 48.2 +1.9
MRSI	Marisa	15.30	276	P	P	16 36 49.3 -1.9
SOEI	Soe	15.33	236	P	P	16 36 49.9 -1.8
SOEI	Soe	15.33	236	ePn	Pn	16 36 46.2 -0.8
APSI	Ampana	15.49	271	P	Pn	16 36 50.6 +1.5
BATI	Baumata	16.07	236	P	P	16 36 56.5 0.0
KNRA	Kunururra	16.53	210	P	Pn	16 36 58.5 -3.8
MMRI	Maumere	16.54	243	P	P	16 37 05.3 +0.3
MMRI	Maumere	16.54	243	ePn	Pn	16 37 02.0 -0.6
GUMO	Guam	16.63	27	Pn	Pn	16 37 05.5 -0.4
GUMO				LR	LR	16 42 42.7
GUMO	Guam	16.63	27	ePn	Pn	16 37 05.8 -0.1
GUMO	Guam	16.63	27	P	P	16 37 05.9 -0.1
GUMO				pmx	pmx	
EDFI	Ende, Flores	17.08	244	P	P	16 37 14.4 +3.3
PLP	Palo	17.29	316	P	Pn	16 37 11.5 -0.4
PLP	Palu	17.31	271	P	Pn	16 37 13.5 0.0
MPSI	Mapaga	17.32	275	P	Pn	16 37 12.1 -0.2
TTSI	Tana Toraja	17.40	264	P	P	16 37 17.1 +2.6
BKSI	Bulukumba	17.46	256	P	P	16 37 17.5 +2.4
SPSI	Sidrap Palu	17.56	261	P	P	16 37 17.0 +0.7
MTSU	Mount Surprise	18.18	158	P	Pn	16 37 22.1 -0.8
WBS	Warramunga Arr	18.60	188	P	Pn	16 37 28.3 +0.2
WSI	Waingapu	18.71	243	P	Pn	16 37 34.3 +4.8

WRAB	Tennant Creek	18.75	188	eP	P	16 37 27.3 -2.0
WRAB	Tennant Creek	18.75	188	eP	P	16 37 28.6 -0.7
WRAB				pmx	pmx	
WBA	Warramunga Arr	18.76	188	eP	P	16 37 27.7 -1.7
WBA	Warramunga Arr	18.76	188	P	P	16 37 28.5 -0.9
WRA				S	S	16 40 45.3 -1.4
WRA				LR	LR	16 45 46.2
RCP	Mount Isa	19.16	173	P	Pn	16 37 34.6 -0.3
QIS	Samairinda	19.95	272	P	P	16 37 34.0 -1.6
WBSI	Waikabubak, Su	19.24	244	P	P	16 37 36.8 -1.1
SMKI	Samarinda	19.25	244	P	Pn	16 37 46.6 +2.3
SBKI	Balikpapan	20.24	270	P	Pn	16 37 47.7 0.0
PLAI	Plampang	20.69	248	P	P	16 37 50.0 -0.6
CTA	Charters Tower	20.72	155	eP	P	16 37 50.9 0.0
CTA				S	S	16 41 40.0 -1.6
CTA				LR	LR	16 47 27.8
CTAO	Charters Tower	20.72	155	eP	P	16 37 51.1 +0.2
CTAO				LR	LR	16 37 51.1 +0.2
CTAO	Charters Tower	20.72	155	eP	P	16 37 51.1 +0.2
CTAO				pmx	pmx	
CTAO				MLR	MLR	16 37 56.1 +1.6
KBKI	Kotabaru	21.05	264	P	P	16 37 59.4 +1.5
PPR	Puerto Princes	21.37	301	eP	P	16 38 00.1 +0.9
TWSI	Taliwasa Sub	21.49	188	eP	P	16 38 00.9 -0.8
KKM	Kota Kinabalu	22.12	289	eP	P	16 38 05.9 -0.2
KKM	Kota Kinabalu	22.12	289	P	P	16 38 07.0 +0.8
TGY	Tagayay City	22.16	314	P	P	16 38 09.2 +2.8
TGY				LR	LR	16 47 19.5
MTKI	Muara Teweh, K	22.24	271	P	P	16 38 07.9 +0.5
AS31	Alice Springs	22.48	188	eP	P	16 38 09.0 -0.8
AS31	Alice Springs	22.48	188	eP	P	16 38 09.1 -0.7
ASAR	Alice Springs	22.48	188	P	P	16 38 09.8 -0.1
ASAR				S	S	16 42 17.2 +1.4
ASAR				LR	LR	16 47 44.3
PATS	Pohnpei	22.61	69	P	P	16 38 11.2 0.0
PATS				Pn	Pn	16 38 10.6 -0.7
SRBI	Singaraja	22.87	252	P	P	16 38 19.0 +5.0
DNP	Denpasar	23.04	251	P	P	16 38 17.9 +2.1
IGBI	Igibi	23.14	250	P	P	16 38 21.8 +5.0
JAGI	Jajag, Banyuw	23.98	252	eP	P	16 38 28.1 +3.1
JAGI	Jajag, Banyuw	23.98	252	eP	P	16 38 24.5 -0.5
JAGI				LR	LR	16 38 25.2 -0.8
HNR	Honiara	24.09	110	P	P	16 38 25.0 -0.8
HNR	Honiara	24.09	110	eP	P	16 38 24.0 -2.0
HNR	Honiara	24.09	110	eP	P	16 38 25.2 -0.8
HNR				LR	LR	16 38 25.3 -0.8
HNR				pmx	pmx	
HNR				MLR	MLR	16 38 28.8 +0.6
BLJI	Banyuglugur	24.33	254	P	P	16 38 35.7 +5.0
GMJI	Gumukmas	24.60	253	P	P	16 38 37.0 +1.0
WRKA	Warakurna	25.12	199	P	P	16 38 34.7 -0.7
SBUM	Sibu	25.19	278	P	P	16 38 37.0 +1.0
GRJI	Gresik	25.22	256	P	P	16 38 38.2 +1.9
PBKI	Pangkalan Bun	25.50	266	P	P	16 38 40.3 +1.5
STKI	Sintang	25.70	273	P	P	16 38 41.2 +0.5
TBJI	Tambak Boyo	25.82	257	P	P	16 38 50.4 +8.7
MBWA	Marble Bar	26.06	219	eP	P	16 38 43.3 -0.6
MBWA	Marble Bar	26.06	219	P	P	16 38 50.1 +6.3
QLP	Quilpie	26.07	165	P	P	16 38 44.9 +1.0
PWJI	Pagarwojo	26.11	254	P	P	16 38 48.4 +4.0
NGJI	Ngawi	26.30	256	P	P	16 38 56.4 +1.0
PCJI	Pacitan	26.76	254	P	P	16 38 52.7 +1.9
WOJI	Wonogiri, Jawa	26.92	255	P	P	16 38 59.7 +8.0
KSM	Kuching	26.97	276	eP	P	16 38 51.0 -1.2
KSM				LR	LR	16 38 53.0 +0.8
KSM				P	P	16 38 59.0 +4.5
SMRI	Samarang	27.23	257	eP	P	16 38 53.5 -1.0
UGM	Wanagama	27.33	255	P	P	16 39 10.0 +1.5
RMQ	Roma	27.45	157	P	P	16 38 58.5 +2.2
EIDS	Eidsvold	27.48	152	P	P	16 38 58.5 +1.9
EIDS	Eidsvold	27.48	152	eP	P	16 38 57.9 +1.3
TWG	Tingli	28.61	328	P	P	16 39 20.0 +1.3
CBJI	Chichi jima	28.62	9	P	P	16 39 06.3 -0.4
YULB	Yuli	28.62	9	P	P	16 39 08.2 -1.6
YULB				LR	LR	16 39 10.3 -2.0
YUJ	Yonaguni jima	29.02	333	P	P	16 39 12.5 +0.4
YUJ				LR		

16d 16h

NVS	comp=Z,57nm,2.5s		pmax	pmax		
NVS	comp=N,22nm,2.2s		pmax	pmax		
NVS	comp=E,31nm,2.5s		pmax	pmax		
NVS	comp=N,9.0nm,2.0s		smax	smax		
USP	Ospenovka SNR=14	71.30 317	P	P	16 44 30.2 +0.3	
AML	Almayashu SNR=31	71.48 315	P	P	16 44 32.3 +0.9	
EKS2	Erkin-Say SNR=12	71.59 316	P	P	16 44 32.3 +0.5	
KURK	Kurchatov	71.65 325	P	P	16 44 32.0 +0.3	
KURK	Kurchatov	71.65 325	c/P	P	16 44 31.5 -0.2	
KURK	comp=Z,56nm,1.3s			pmax		
KURBB	Kurchatov Arra comp=Z,1.6nm,0.8s,baz=119,slow=5.7,SNR=119	71.66 325	P	P	16 44 32.0 +0.2	
SPIA	Saint Paul Isl	71.81 27	LR	LR	16 44 40.0 +7.4	
UNV	Unalaska Valle comp=Z,48nm,0.9s	71.91 31	eP	P	16 44 34.7 +1.5	
UNV	comp=Z,1.1um,19.0s		LR	LR		
MIR	Mirny	72.10 197	i/P	P	16 44 39.0 +4.9	
MIR			e		16 44 56.0	
MIR			eS	SKIKP	16 54 16.0 +5.9	
MIR			ePS	pmax	16 54 46.0 +2.0	
MIR	comp=Z,108nm,1.5s		MLR	MLR		
MIR	comp=N,1.1um,18.0s		MLR	MLR		
MIR	comp=E,2.1um,18.0s		MLR	MLR		
MIR	comp=Z,4.1um,18.0s		MLR	MLR		
BTLS	Baital	72.23 318	i/P	P	16 44 35.4 0.0	
BTLS	comp=Z,8.2nm,1.5s		ePP	P	16 47 15.4 -0.7	
KBL	Kabul	72.82 307	eP	S	16 53 57.1 -0.2	
KBL	comp=Z,20nm,0.8s		i/S	P	16 44 38.4 -1.0	
KBL	comp=Z,700nm,22.0s		LR	LR		
KBL	Kabul	72.82 307	eP	P	16 44 38.4 -1.0	
KBL	comp=Z,20nm,0.9s		eP	pmax		
TIXI	Tiksi	72.99 357	eP	P	16 44 39.0 -0.4	
TIXI	comp=Z,2.7nm,1.0s		LR	LR		
TIXI	comp=Z,2.1um,20.0s		LR	LR		
TIXI	Tiksi	72.99 357	c/P	pmax	16 44 39.6 +0.2	
TIXI	comp=Z,9.0nm,0.8s			pmax		
PPT	Papeete	73.68 108	LR	P	17 14 06.3	
PPT2	Papeete2	73.68 108	eS	S	16 54 16.0 +1.1	
PPT2	comp=Z,2.983nm,21.4s,baz=268,slow=33					
PPT2	comp=Z,1.1um,27.2s		eLQ	LQ	17 04 23.3	
PPT2	comp=Z,3.1um,31.0s		eLR	LR	17 07 32.7	
PPT2	comp=Z,5.1um,26.0s,baz=271		eLR	LR	17 07 32.7	
FALS	False Pass	73.98 31	eP	P	16 44 45.5 0.0	
FALS	comp=Z,100nm,0.9s		LR	LR		
KK31	Karatay Array	74.01 316	eP	P	16 44 45.6 -0.4	
KK31	Karatay Array	74.01 316	eP	P	16 44 45.6 -0.4	
KKAR	Karatay Array	74.01 316	eP	P	16 44 45.6 -0.4	
KKAR	Karatay Array	74.01 316	eP	P	16 44 45.6 -0.4	
IUG	Iuzhnyy	74.07 315	i/P	P	16 44 46.8 +0.3	
IUG	comp=Z,8.5nm,1.3s		ePP	PP	16 47 31.4 -0.6	
IUG	comp=Z,9.0nm,0.8s		i/S	S	16 54 19.2 +0.7	
TBI	Tubuai	74.26 114	eS	LQ	16 54 21.7 +0.6	
TBI	comp=Z,958nm,29.8s		S	S	16 54 21.7 +0.6	
TBI	comp=Z,3.1um,41.2s		eLR	LR	17 07 48.2	
TBI	comp=Z,5.1um,34.2s,baz=278		eLR	LR	17 07 48.2	
BRZS	Berezniiki	74.85 323	i/P	P	16 44 50.6 -0.2	
BRZS	comp=Z,1.1nm,1.1s		ePP	PP	16 47 37.0 -1.3	
BRZS	comp=Z,1.1nm,1.1s		eS	S	16 54 27.6 +0.9	
SDPT	Sand Point	75.72 31	P	LR	16 44 55.4 -0.2	
SDPT	comp=Z,900nm,20.0s		P	LR		
BVAR	Borovyoye Array	77.24 325	P	P	16 45 04.4 +0.1	
BVAR	comp=Z,2.5nm,0.7s,baz=111,slow=8.1,SNR=165		LR	LR	17 19 11.3	
BVAR	comp=Z,4.62nm,20.2s,baz=106,slow=36		P	P	16 45 04.4 -0.2	
BRVK	Borovyoye	77.32 325	eP	LR		
BRVK	comp=Z,94nm,1.2s		LR	LR		
BRVK	comp=Z,1.1um,21.0s		P	P	16 45 05.2 +0.5	
BRVK	Borovyoye	77.32 325	P	P	16 45 05.2 +0.5	
BRVK	Borovyoye	77.32 325	c/P	pmax	16 45 04.7 0.0	
BRVK	comp=Z,58nm,1.3s			pmax		
VNDA	Vanda	77.34 175	P	P	16 45 04.8 +0.4	
VNDA	comp=Z,1.1nm,0.6s,baz=322,slow=6.9,SNR=57		LR	LR	17 19 48.6	
VNDA	comp=Z,3.1um,18.9s,baz=350,slow=36		P	P	16 45 04.7 +0.4	
VNDA	comp=Z,1.8nm,0.9s		eP	pmax	16 45 04.7 +0.3	
VNDA	comp=Z,1.8nm,0.9s			pmax		
ANM	Nome	77.75 22	PFAKE	LR	16 45 20.0 +1.3	
ANM	comp=Z,18nm,0.9s		LR	LR		
SBA	Scott Base	78.13 174	eP	P	16 45 09.8 +1.0	
SBA	comp=Z,800nm,20.0s		LR	LR		
SBA	comp=Z,150nm,1.8s		LR	LR		
SBA	comp=Z,2.1um,20.0s		eP	P	16 45 09.8 +1.0	
SBA	comp=Z,2.1um,20.0s		eP	pmax		
WSAR	Wadi Sarin	79.95 294	P	P	16 45 19.5 -0.4	
WSAR	comp=Z,7.7nm,0.7s,baz=143,slow=5.8,SNR=4.9		LR	LR	17 22 27.9	
WSAR	comp=Z,2.67nm,20.3s,baz=120,slow=37		P	P	16 45 20.6 +0.6	
OHAK	Old Harbor	80.14 31	eP	P	16 45 22.1 +1.1	
SVW2	Sparrevohn	80.31 27	eP	P	16 45 22.1 +1.1	
RODG	Red Dog Mine	80.34 19	eP	P	16 45 20.6 -0.4	
RODG	comp=Z,30nm,1.0s					
RODG	comp=Z,7.08nm,1.8s					
KDAK	Kodiak Island	80.67 31	eP	P	16 45 24.2 +1.3	
KDAK	comp=Z,66nm,1.1s		LR	LR		
KDAK	comp=Z,1.1um,20.0s		i/P	P	16 45 24.5 +1.6	
KDAK	Kodiak Island	80.67 31	i/P	P	16 45 24.5 +1.6	
CNPM	China Poot	81.85 29	PFAKE	LR	16 45 40.0 +1.1	
CNPM	comp=Z,1.1um,21.0s		LR	LR		
BRLK	Bradley Lake	82.09 29	eP	P	16 45 35.2 +4.7	
BRLK	comp=Z,50nm,1.2s		LR	LR		
GEYT	Alibeck	82.12 308	P	P	16 45 29.9 -1.2	
GEYT	comp=Z,1.4nm,1.1s,baz=90,slow=10,SNR=24		LR	LR	17 25 12.7	
GEYT	comp=Z,585nm,20.6s,baz=85,slow=38		P	P	16 45 31.2 +0.1	
GEYT	comp=Z,107nm,1.3s		P	P	16 45 31.2 +0.1	
BANOM	Banah	82.32 296	P	P	16 45 32.7 +0.3	
UOSS	Minazif	82.32 295	P	P	16 45 31.9 -0.5	
HATD	Hatta, Dubai	82.37 295	P	P	16 45 31.7 -1.0	
MISFE	Esma-Masaf	82.39 296	P	P	16 45 32.4 -0.4	
PPLA	Perkypeille	82.42 26	eP	P	16 45 32.9 +0.6	
PPLA	comp=Z,50nm,1.3s		LR	LR		
ASHO	Ashiyah	82.43 295	P	P	16 45 32.1 -0.9	
SKT	Skwentna	82.43 27	eP	P	16 45 31.9 -0.3	
SKT	comp=Z,15nm,0.9s		LR	LR		
SKT	comp=Z,1.1um,21.0s		LR	LR		
SHME	Shamm	82.47 296	P	P	16 45 32.7 -0.6	
TAOE	Nuku Hiva Isla	82.60 49	eLR	P	17 11 34.3	
TAOE	comp=Z,2.1um,24.0s,baz=260		LR	LR		

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ABKAR	Akbulak Array	82.62 320	eP	P	16 45 32.4 -1.0	
CAST	Castle Rocks	82.62 25	eP	P	16 45 33.7 +0.4	
CAST	comp=Z,1.6nm,0.8s		LR	LR		
SUA	comp=Z,700nm,20.0s		LR	LR		
SUA	Susitna One	82.64 27	eP	P	16 45 33.7 +0.3	
SUA	comp=Z,54nm,1.5s		LR	LR		
ALNE	AI Ain SNR=12	82.65 294	i/P	P	16 45 34.0 -0.2	
NAZ	Nazwa, Dubai	82.81 295	P	P	16 45 34.3 -0.7	
MAW	Mawson	82.86 202	P	P	16 45 32.5 -1.8	
MAW	comp=Z,48nm,1.7s		LR	LR		
MAW	Mawson	82.86 202	P	P	16 45 35.2 +0.9	
MAW	comp=Z,1.9nm,0.6s,baz=65,slow=12,SNR=50		LR	LR	17 22 20.2	
MAW	comp=Z,2.1um,18.2s,baz=68,slow=36		LR	LR	17 22 20.2	
MAW	Mawson	82.86 202	eP	P	16 45 32.3 -2.0	
MAW	comp=Z,6.9nm,1.0s			pmax		
MAW	Mawson	82.86 202	eP	P	16 45 32.3 -2.0	
MAW	comp=Z,7.0nm,1.0s			pmax		
RC01	Rabbit Creek A	83.00 28	eP	P	16 45 35.5 +0.3	
RC01	comp=Z,3.7nm,0.8s		LR	LR		
ASUD	AI Ashish, Dub	83.08 295	P	P	16 45 36.3 -0.1	
KTH	Kantishna Hill	83.16 25	PFAKE	LR	16 45 50.0 +1.4	
KTH	comp=Z,1.1um,22.0s		LR	LR		
BPWA	Bear Paw Mtn	83.29 25	eP	P	16 45 36.6 -0.1	
BPWA	comp=Z,900nm,20.0s		P	P	16 45 37.0 -0.4	
TRF	Thorofore Moun	83.40 26	eP	P	16 45 37.0 -0.4	
TRF	comp=Z,2.0nm,1.0s		LR	LR		
TRF	comp=Z,600nm,21.0s		LR	LR		
PMR	Palme	83.42 28	eP	P	16 45 37.5 +0.2	
PMR	comp=Z,2.3nm,0.9s		eP	P	16 45 37.5 +0.2	
PMR	Palmer	83.42 28	eP	P	16 45 37.5 +0.2	
PMR	comp=Z,2.3nm,0.9s			pmax		
MLY	Manley	83.67 24	eP	P	16 45 39.4 +0.8	
MLY	comp=Z,2.3nm,1.0s		LR	LR		
MLY	comp=Z,1.1um,22.0s		LR	LR		
SVE	Sverdlvovsk	83.69 327	d/P	P	16 45 38.9 +0.1	
SVE	comp=Z,1.1um,22.0s		eS	S	16 56 00.8 +0.4	
SVE	SVE		eSSS	SSS	17 04 49.3	
SVE	SVE		pmax	pmax		
SVE	comp=Z,90nm,1.5s		MLR	MLR		
SML	comp=Z,876nm,19.0s		MLR	MLR		
SML	Sawmill	83.84 27	eP	P	16 45 40.3 +0.8	
SML	comp=Z,52nm,1.0s		LR	LR		
SML	comp=Z,1.1um,21.0s		LR	LR		
SML	Sawmill	83.84 27	eP	P	16 45 40.3 +0.8	
SML	comp=Z,52nm,1.0s			pmax		
BWN	Browne	83.95 25	eP	P	16 45 40.8 +0.7	
BWN	comp=Z,1.07nm,1.3s		LR	LR		
BWN	comp=Z,1.1um,20.0s		LR	LR		
AKTO	Aktyubinsk	84.05 321	P	P	16 45 40.5 -0.4	
AKTO	comp=Z,1.9nm,1.1s,baz=81,slow=5.3,SNR=25		P	P	16 45 40.9 +0.3	
MCK	McKinley	84.06 25	eP	P	16 45 40.9 +0.3	
MCK	comp=Z,36nm,1.1s		LR	LR		
MCK	comp=Z,900nm,21.0s		LR	LR		
MCK	McKinley	84.06 25	eP	P	16 45 40.9 +0.3	
MCK	comp=Z,36nm,1.1s			pmax		
SCM	Sheep Creek M	84.31 27	eP	P	16 45 43.0 +1.0	
SCM	comp=Z,48nm,1.5s		LR	LR		

H04A H04A	Detroit Lake	98.48	45	PFAKE LR	LR	16 47 00.0 +11
B06A B06A	Marblemount	98.48	41	PFAKE LR	LR	16 47 00.0 +11
LON LON	Longmire	98.50	43	PFAKE LR	LR	16 47 00.0 +11
MCCM MCCM	Marconi Confer	98.64	52	PFAKE LR	LR	16 47 00.0 +10
GDXM GDXM	Geysers	98.64	51	PFAKE LR	LR	16 47 00.0 +10
ARCES ARCES	ARCCESS Array B	98.64	341	P	P	16 46 47.9 -1.0
ARCES ARCES	ARCCESS Array B	98.64	341	eP	P	16 46 47.6 -1.3
ARCES ARCES	ARCCESS Array B	98.64	341	eP	P	16 46 48.2 -0.7
WDC WDC	Whiskeytown Da	98.67	49	PFAKE LR	LR	16 47 00.0 +10
LTY LTY	Liberty	99.20	42	PFAKE LR	LR	16 47 00.0 +8.0
EBG YKW3	Ellensburg Yellowknife Ar	99.32 99.47	43 26	eP PFAKE	Pdif LR	16 46 54.4 +1.9 16 47 00.0 +7.3
PINE PINE	Pine Mountain	99.48	46	PFAKE LR	LR	16 47 00.0 +6.5
YKA YKA	Yellowknife Ar	99.49	27	LR	LR	17 30 22.7
G06A G06A	Carlson Farm,	99.51	44	PFAKE LR	LR	16 47 00.0 +6.6
ORV ORV	Oroville	99.57	50	PFAKE LR	LR	16 47 10.0 +16
K05A K05A	Summer Lake	99.65	47	PFAKE LR	LR	16 47 10.0 +16
E07A E07A	Sunnyside	99.86	43	PFAKE LR	LR	16 47 10.0 +15
SAO SAO	San Andreas Ge	99.90	53	PFAKE LR	LR	16 47 10.0 +15
F07A F07A	Phinny Hill Vi	99.91	44	PFAKE LR	LR	16 47 10.0 +15
B08A B08A	Colville Reser	99.92	41	PFAKE LR	LR	16 47 10.0 +15
AFDM AFDM	Forest Hills D	100.04	51	ePdif LR	Pdif LR	16 46 56.4 +0.5
HAWA HAWA	Hanford	100.10	43	PFAKE LR	LR	16 47 10.0 +14
MOD MOD	Modoc Plateau	100.19	48	PFAKE LR	LR	16 47 10.0 +13
BEKR BEKR	Beckworth	100.41	50	PFAKE LR	LR	16 47 10.0 +12
E08A E08A	Dider Farm, El	100.41	43	PFAKE LR	LR	16 47 10.0 +13
D08A D08A	Wollman Farm,	100.41	42	PFAKE LR	LR	16 47 10.0 +13
PMPB PMPB	Monarch Peak	100.48	54	PFAKE LR	LR	16 47 10.0 +12
CMB CMB	Columbia Colle	100.60	52	PFAKE LR	LR	16 47 10.0 +12
RES RES	Resolute Bay	100.64	12	ePdif LR	Pdif LR	16 46 57.7 0.0
RES RES	Resolute Bay	100.64	12	eP MLR	Pdif MLR	16 46 57.7 0.0
RUBR RUBR	Rubicon Trail	100.66	51	PFAKE LR	LR	16 47 10.0 +11
G08A G08A	Pilot Rock	100.67	44	PFAKE LR	LR	16 47 10.0 +11
C09A C09A	Chrisman Ranch	100.72	42	PFAKE LR	LR	16 47 10.0 +11
PAGB PAGB	Antelope Grade	100.97	54	PFAKE LR	LR	16 47 10.0 +10
VCNR VCNR	Virginia City	101.02	50	PFAKE LR	LR	16 47 10.0 +10
E09A E09A	Wood Farm, Sta	101.03	43	PFAKE LR	LR	16 47 10.0 +10
FINES FINES	FINESS Array B	101.07	333	P	Pdif	16 47 00.9 +1.0
PNTR PNTR	Pine Nut	101.09	51	PFAKE LR	LR	16 47 10.0 +9.2
PAHR PAHR	Pah Rah Range	101.17	50	PFAKE LR	LR	16 47 10.0 +8.9
BRTR BRTR	Keakin Array B	101.19	310	P	Pdif	16 46 59.4 -1.8
WAKR WAKR	Walker	101.29	51	PFAKE LR	LR	16 47 10.0 +8.3
J08A J08A	Circle Bar Ran	101.32	46	PFAKE LR	LR	16 47 10.0 +8.4
YERR YERR	Yerington	101.38	51	PFAKE LR	LR	16 47 10.0 +7.9
MDPB MDPB	Devils Postpil	101.68	52	PFAKE LR	LR	16 47 10.0 +6.5
OMMB OMMB	Old Mammoth Mi	101.75	52	PFAKE LR	LR	16 47 20.0 +16
F10A F10A	Beach Ranch, E	101.75	43	PFAKE LR	LR	16 47 10.0 +6.6
BMO BMO	Blue Mountains	101.90	44	PFAKE LR	LR	16 47 20.0 +16
RYN RYN	Ryan	101.98	51	PFAKE LR	LR	16 47 20.0 +15
NV01 NVAR	Mina Array Sit	102.18	51	ePdif	Pdif	16 47 05.3 -0.3
NV01 NVAR	Mina Array Bea	102.18	51	P	Pdif	16 47 06.6 +0.9
KVN KVN	Kaiserville	102.25	50	ePdif LR	Pdif LR	16 47 05.6 -0.3
KVN KVN	Kaiserville	102.25	50	eP MLR	Pdif MLR	16 47 05.6 -0.3
AKASG AKASG	Malin Array Be	102.27	322	P	Pdif	16 47 03.9 -1.6
AKKB AKKB	Malin Array Si	102.27	322	ePdif LR	Pdif LR	16 47 03.8 -1.7
AKKB AKKB	Malin Array Si	102.27	322	eP MLR	Pdif MLR	16 47 03.8 -1.7
KIEV KIEV	Kiev	102.29	322	PFAKE LR	LR	16 47 20.0 +14
NV11 NV11	Mina Array Sit	102.29	51	PFAKE LR	LR	16 47 20.0 +14
OSI OSI	Ostio Audit: C	102.35	55	PFAKE LR	LR	16 47 20.0 +14
ISA ISA	Isabella, Lake	102.42	54	PFAKE LR	LR	16 47 20.0 +13

SNA SNA	Sanae	102.79	192	PKIKP Pdif	PKIKP Pdif	16 51 23.2 -4.6 16 47 08.6 +1.1
SNA SNA	Sanae	102.79	192	PFAKE LR	LR	16 47 20.0 +13
PASC PASC	Pasadena Art C	102.84	55	PFAKE LR	LR	16 47 20.0 +12
MWC MWC	Mount Wilson	102.94	55	PFAKE LR	LR	16 47 20.0 +11
DAC DAC	Darwin (Calif)	103.04	53	PFAKE LR	LR	16 47 20.0 +10
MFID MFID	Camas Ranch	103.21	46	PFAKE LR	LR	16 47 20.0 +10
WALA WALA	Waterton Lakes	103.30	40	PFAKE LR	LR	16 47 20.0 +10
JTMT JTMT	Jette	103.37	41	PFAKE LR	LR	16 47 20.0 +9.4
KIS KIS	Kishinev	103.37	318	ePP ePS	PP SS	16 51 24.0 -1.9 17 01 24.0 +4.8
KIS KIS	Kishinev	103.37	318	eSS LRM	SS MLR	17 06 32.0 +2.3 17 35 50.0
TULEG TULEG	Thule	103.42	6	PFAKE LR	LR	16 47 20.0 +10
MSO MSO	Missoula	103.80	42	PFAKE LR	LR	16 47 20.0 +7.4
GSC GSC	Goldstone, Bar	103.82	54	PFAKE LR	LR	16 47 20.0 +7.2
ISP ISP	Isparta	103.88	309	PFAKE LR	LR	16 47 20.0 +6.9
TPNV TPNV	Topopah Spring	104.01	52	PFAKE LR	LR	16 47 30.0 +16
HLID HLID	Hailey	104.19	45	PFAKE LR	LR	16 47 30.0 +16
TIRR TIRR	Tirgusor	104.20	316	PFAKE LR	LR	16 47 20.0 +5.8
BAR BAR	Barrett	104.29	57	PFAKE LR	LR	16 47 30.0 +15
PFO PFO	Pinyon Flats O	104.34	56	PFAKE LR	LR	16 47 30.0 +15
XPFO XPFO	Piezon Flat	104.34	56	PFAKE LR	LR	16 47 30.0 +15
VNA3 SHPR	Neumayer Olymp	104.47	191	Pdif PFAKE	Pdif Pdif	16 47 18.5 +3.6 16 51 40.0
DLMT DLMT	Dillon	105.05	43	PFAKE LR	LR	16 51 40.0
LDFC LDFC	Landfair	105.22	54	PFAKE LR	LR	16 51 40.0
MANT MANT	Manisa	105.29	310	PFAKE LR	LR	16 51 40.0
BUR04 PSUT	Buovina Ar. S	105.59	319	ePdif	Pdif	16 47 18.3 -2.2
PSUT PSUT	Pine Spring	105.60	50	PFAKE LR	LR	16 51 50.0
BOZ BOZ	Bozeman (W)	105.66	43	PFAKE LR	LR	16 51 50.0
MLR MLR	Muntele Rosu	105.66	317	PFAKE LR	LR	16 51 50.0
BGU BGU	Big Grassy Mou	105.74	48	PFAKE LR	LR	16 51 50.0
HVU HVU	Hansel Valley	105.75	47	PFAKE LR	LR	16 51 50.0
GLA GLA	Glamis	105.78	56	PFAKE LR	LR	16 51 50.0
DUG DUG	Dugway, Tooele	106.06	48	PFAKE LR	LR	16 51 50.0
SPUT SPUT	South Promonto	106.09	47	PFAKE LR	LR	16 51 50.0
YHB YHB	Horse Butte	106.17	44	PFAKE LR	LR	16 51 50.0
CCUT CCUT	Cedar City	106.17	51	PFAKE LR	LR	16 51 50.0
W13A W13A	Hualapai Mount	106.21	54	PFAKE LR	LR	16 51 50.0
EGMT EGMT	Eagleton	106.24	40	PFAKE LR	LR	16 51 50.0
YMR YMR	Madison River	106.35	44	PFAKE LR	LR	16 51 50.0
LCMT LCMT	Little Creek M	106.37	52	PFAKE LR	LR	16 51 50.0
SZCU SZCU	Shurtz Canyon	106.38	51	PFAKE LR	LR	16 51 50.0
MBAR MBAR	Mbarara	106.39	269	PFAKE LR	LR	16 51 50.0
YFT YFT	Old Faithful	106.49	44	PFAKE LR	LR	16 51 50.0
YPP YPP	Pitchstone Pla	106.56	44	PFAKE LR	LR	16 51 50.0
IMW IMW	Indian Meadow	106.56	44	PFAKE LR	LR	16 51 50.0
KWP KWP	Kalwaria Pacia	106.60	322	PFAKE LR	LR	16 51 50.0
TPAW TPAW	Teton Pass	106.65	45	PFAKE LR	LR	16 51 50.0
HWUT HWUT	Hardware Ranch	106.67	47	PFAKE LR	LR	16 51 50.0
TCRU TCRU	Three Creeks R	106.67	50	PFAKE LR	LR	16 51 50.0
FLWY FLWY	Flagg Ranch	106.68	44	PFAKE LR	LR	16 51 50.0
ALN ALN	Alexandroupoli	106.69	312	PFAKE LR	LR	16 51 50.0
113A 113A	Mohawk Valley	106.70	56	PFAKE LR	LR	16 51 50.0
AHID AHID	Auburn Hatcher	106.73	46	PFAKE LR	LR	16 51 50.0
MOOW MOOW	Moose Ponds	106.73	45	PFAKE LR	LR	16 51 50.0
CTU CTU	Camp Tracy	106.74	48	PFAKE LR	LR	16 51 50.0
REDW REDW	Red Top Meadow	106.76	45	PFAKE LR	LR	16 51 50.0
LKWY LKWY	Lake	106.76	44	PFAKE LR	LR	16 51 50.0

SNOW SNOW	Snow King Moun	106.80	45	PFAKE LR	LR	16 51 50.0
LOHW LOHW	Long Hollow	106.87	45	PFAKE LR	LR	16 51 50.0
TCUT TCUT	Toone Canyon	106.90	47	PFAKE LR	LR	16 51 50.0
MPU MPU	Maple Canyon	106.98	48	PFAKE LR	LR	16 51 50.0
JLU JLU	Jordanelle	106.99	48	PFAKE LR	LR	16 51 50.0
MTPU MTPU	Mount Pierson	106.99	51	PFAKE LR	LR	16 51 50.0
PKCU PKCU	Pink Cliffs	107.02	51	PFAKE LR	LR	16 51 50.0
Y14A Y14A	Wickenburg	107.13	55	PFAKE LR	LR	16 51 50.0
UZH U15A	Uzhgorod North Rim	107.17 107.23	321 52	eP PFAKE	Pdif LR	16 47 27.5 +0.2 16 51 50.0
RLMT RLMT	Red Lodge	107.39	43	PFAKE LR	LR	16 51 50.0
TMUT TMUT	Trail Mountain	107.46	49	PFAKE LR	LR	16 51 50.0
CRVS CRVS	Cervenica-Dubn	107.60	321	eP	Pdif	16 47 32.2 +2.9
P17A P17A	Butcher Ranch,	107.78	49	PFAKE LR	LR	16 47 32.2 +2.9 16 51 50.0
BW06 BW06	Boulder Array	107.83	45	PFAKE LR	LR	16 51 50.0
PDAR LSZ	Pinedale Array	107.83	45	PKKPab PFAKE	PKKPab LR	17 03 07.2 +1.3 16 51 50.0
SRU SRU	San Rafael Swe	108.03	49	PFAKE LR	LR	16 51 50.0
P18A P18A	Preston Nutter	108.11	49	PFAKE LR	LR	16 51 50.0
WUAZ WUAZ	Wupatki	108.15	53	PFAKE LR	LR	16 51 50.0
X16A X16A	Lo Mia Camp, P	108.31	54	PFAKE LR	LR	16 51 50.0
VTS VTS	Vitoshka	108.32	315	PFAKE LR	LR	16 51 50.0
FFC FFC	Flin Flon	108.40	32	PFAKE LR	LR	16 51 50.0
SUMG SUMG	Summit	108.74	359	PFAKE LR	LR	16 51 50.0
IDI IDI	Anoyia	108.81	307	PFAKE LR	LR	16 51 50.0
SRIG SRIG	Santa Rosalia	108.86	62	PFAKE LR	LR	16 51 50.0
PSZ PSZ	Piszkesteto	108.92	321	PFAKE LR	LR	16 51 50.0
LAO LAO	LASA Array	108.94	41	PFAKE LR	LR	16 51 50.0
KONO KONO	Kongsberg	109.17	335	PFAKE LR	LR	16 51 50.0
TUC TUC	Tucson	109.26	56	PFAKE LR	LR	16 51 50.0
OKC OKC	Ostrava-Krasne	109.30	323	eSDIF eSP	Sdif SS	16 59 50.5 +3.7 17 01 32.3 -1.5
OKC OKC	Ostrava-Krasne	109.30	323	eSS AMS	SS AMS	17 07 24.4 -4.9 17 44 10.0
VYHS X18A	Vyhne Snowflakle	109.38 109.52	322 50	ePP PFAKE	PP LR	16 52 10.2 +0.1 16 51 50.0
SCO SCO	Scoresbysund	109.55	353	PFAKE LR	LR	16 51 50.0
DGMT DGMT	Dagmar	109.61	38	PFAKE LR	LR	16 51 50.0
MORC MORC	Moravsky Berou	109.69	323	PFAKE LR	LR	16 51 50.0
HSIG HSIG	Hornsea	109.72	60	PFAKE LR	LR	16 51 50.0
RWWY RWWY	Rawlins	109.80	46	PFAKE LR	LR	16 51 50.0
AGG AGG	Agios Georgios	109.91	311	PFAKE LR	LR	16 51 50.0
MVCO MVCO	Mesa Verde	110.03	51	PFAKE LR	LR	16 51 50.0
DIVS DIVS	Divibare	110.12	317	PFAKE LR	LR	16 51 50.0
FNA FNA	Florina	110.14	313	PFAKE LR	LR	16 51 50.0
DPC DPC	Dobruska-Polom	110.19	324	ePP eSDIF	PP SS	16 52 18.8 +2.9 16 59 55.9
DPC DPC	Dobruska-Polom	110.19	324	eSS AMS	SS AMS	17 01 31.6 17 07 48.3 +7.1
UPC UPC	Upice	110.30	324	ePP eSS	PP SS	

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
PAL	Palisades	131.50	31	PFAKE LR	16 52 30.0 +6.9	
PMFR	Mafrá	131.55	32.5	eSS	17 12 50.6 +36	
HRV	Adam Dzewonow	131.55	28	PFAKE LR	16 52 30.0 +6.8	
PVAQ	Vaqueiros	131.63	32.2	ePP	16 54 48.7 +6.2	
PVAQ	Vaqueiros	131.63	32.2	eSS	17 12 21.4 +5.5	
PVAQ	Vaqueiros	131.63	32.2	eLR	17 37 44.4	
YLE	Yale	131.77	30	PFAKE LR	16 52 40.0 +16	
NHSC	New Hope	132.79	44	PFAKE LR	16 52 40.0 +14	
CNNC	Cliffs of the	133.06	40	PFAKE LR	16 52 40.0 +14	
TGUH	Tequicgalpa,Un	134.29	72	PFAKE LR	16 52 40.0 +11	
TOC3	Torodi Ar. Sit	134.32	287	PFAKE LR	16 52 40.0 +11	
TOA2	Torodi Ar. Sit	134.34	287	PFAKE LR	16 52 40.0 +11	
TOAO	Torodi Ar. Sit	134.34	287	ePKPdf	16 52 28.3 -0.9	
TORD	Torodi Ar. Bea	134.34	287	PKPdf	16 52 29.5 +0.3	
TOA3	Torodi Ar. Sit	134.35	287	PFAKE LR	16 52 40.0 +11	
DWPF	Disney Wildern	134.49	51	PFAKE LR	16 52 40.0 +11	
PEL	Peidehue	136.87	145	PFAKE LR	16 52 50.0 +16	
TRQA	Tornquist	137.07	158	PFAKE LR	16 52 50.0 +16	
JTS	JuntasAbangare	137.22	76	PKPdf	16 52 34.2 -0.5	
JTS	JuntasAbangare	137.22	76	ePKPdf	16 52 34.6 +0.1	
JTS	JuntasAbangare	137.22	76	ePKPdf	16 52 34.7 +0.1	
ESPN	Las Esperanzas	137.51	73	PFAKE LR	16 52 50.0 +15	
HDC	Heredia	138.08	76	PFAKE LR	16 52 50.0 +14	
KOWA	Kowa	139.44	291	PKP	16 52 38.2 -0.4	
LCO	Las Campanas	139.79	141	ePKPdf	16 52 40.0 +0.7	
PMOZ	Porto Moniz, M	140.41	325	ePP	16 55 41.2 +3.5	
PMOZ	Porto Moniz, M	140.41	325	eLR	17 41 45.0	
DBIC	Dimbokoro	141.73	279	PKHPK	16 52 36.4	
BBSR	BB Station	142.85	31	PFAKE LR	16 53 00.0 +16	
GOO2	Mina Guanaco	143.11	137	ePKPdf	16 52 43.1 +0.9	
GTBY	Guantanamo Bay	143.41	57	PFAKE LR	16 53 00.0 +14	
NNA	Nana	143.76	112	PFAKE LR	16 53 00.0 +14	
TUMC	Tumaco	144.14	89	PFAKE LR	16 53 00.0 +13	
OTAV	Otavalo	144.40	91	ePKPdf	16 52 46.5 -0.1	
OTAV	Otavalo	144.40	91	eP	16 52 48.1 0.0	
OTAV	Otavalo	144.40	91	ePKIKP	16 52 46.5 -0.1	
BP04	IPOC Station P	144.82	133	ePKPdf	16 52 46.4 +0.1	
CAPC	Capurgana	144.89	77	eP	16 52 54.8 +6.4	
GCUF	Volcan Galeras	145.52	90	eP	16 52 48.8 -1.3	
POPC	Popayan, Colom	146.18	87	eP	16 52 50.8 -0.1	
HORQ	Saladillo	146.19	86	eP	16 52 52.8 0.0	
SOTA	Rotoblanco	146.25	86	eP	16 52 52.8 +0.3	
YOTO	Yotoco, Valle	146.44	85	eP	16 52 52.8 +0.2	
PCON	Cinco Días	146.46	88	eP	16 52 54.1 0.0	
SJCC	San Jacinto, C	146.74	74	eP	16 52 54.8 +0.3	
MMNC	Minnye Minnye	146.82	129	PFAKE LR	16 53 00.0 +5.1	
HELC	Santa Helena	147.05	81	ePKPbc	16 52 54.3 -0.3	
GUYC	Guyana, Colomb	147.29	82	eP	16 52 56.8 -0.5	
ANIL	Santa Ana	147.34	84	eP	16 52 53.5 +0.5	
BETC	Betania	147.41	87	eP	16 52 56.1 +0.9	
ZARC	Zaragoza, Cauc	147.52	78	ePKPbc	16 52 54.8 -0.7	
PRAC	Prado	147.91	85	ePKPbc	16 52 55.9 -0.7	
ROSC	El Rosal	148.39	83	ePKPbc	16 52 59.0 +0.7	
ROSC	El Rosal	148.39	83	ePKPdf	16 52 52.6 -2.2	
ROSC	El Rosal	148.39	83	ePKPbc	16 52 59.0 +0.7	
CODC	Agustín Codaz	148.40	73	eP	16 52 57.4 -0.3	
BRRR	Barranca, Sant	148.70	83	eP	16 52 53.5 -1.4	
CHIC	Chingaza	148.89	83	eP	16 52 56.1 +0.3	
VILC	Villavicencio,	149.07	84	eP	16 52 57.4 +1.8	
CPUP	Villa Florida	149.21	154	ePKPbc	16 52 59.5 0.0	
CPUP	Villa Florida	149.21	154	ePKPbc	16 53 00.2 +0.7	
CPUP	Villa Florida	149.21	154	ePKP2	16 53 00.2 +0.7	
BARC	Barichara	149.30	79	eP	16 52 58.8 -1.6	
RUSC	La Rusia	149.50	81	ePKPdf	16 52 59.0 -2.2	
RUSC	La Rusia	149.50	81	eP	16 53 06.7 +0.6	
LPAZ	La Paz	149.55	126	ePKPbc	16 53 00.9 -0.4	
LPAZ	La Paz	149.55	126	ePKP2	16 53 01.0 -0.4	
YOPC	Yopal, Colombi	150.22	81	eP	16 53 01.1 +1.5	
TAMC	Tame, Arauca	150.69	79	eP	16 53 03.4 -0.1	
CRPR	Cabo Rojo, PR	150.95	54	ePKPbc	16 53 03.1 -0.9	
AOPR	Arcibob Observ	151.05	53	ePKPbc	16 53 03.3 -0.9	
OIBP	Obispado Ponce	151.34	53	ePKPbc	16 53 04.6 -0.3	
SDV	Santo Domingo	151.34	74	ePKPbc	16 53 04.3 -1.0	
SDV	Santo Domingo	151.34	74	ePKPbc	16 53 04.3 -1.0	
ICMP	Isla Caja de M	151.48	53	ePKPbc	16 53 04.7 -0.5	
SJG	San Juan	151.66	52	ePKPbc	16 53 06.1 +0.5	
SJG	San Juan	151.66	52	ePKIKP	16 53 06.1 +0.5	
CBYJ	Canovanas	151.80	52	PFAKE LR	16 53 10.0 +4.0	
HUMP	Col San Antoni	151.88	52	ePKPbc	16 53 05.9 -0.2	
MTP	Monte Pirata	152.14	52	ePKPbc	16 53 05.2 -1.4	
STVI	Saint Thomas	152.46	51	ePKPbc	16 53 06.8 -0.5	
CDVI	St. Croix	152.95	51	ePKPbc	16 53 08.0 -0.5	
ANWB	Wilby Bob	152.57	48	PFAKE LR	16 53 20.0 -9.4	
SAML	Samuel	157.34	117	ePKPdf	16 53 06.1 -1.2	
SAML	Samuel	157.34	117	ePKIKP	16 53 06.1 -1.2	
SVB	Belmont	158.23	56	PFAKE LR	16 53 20.0 +12	
GRGR	Grenville	158.46	59	PFAKE LR	16 53 20.0 +11	

BEO 16 16:43:23.3:1.3, 43.38N:18.76E, h0km, ML1.4/3, Northwestern Balkan Peninsula

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
BBLs	Lazi#263;i	0.67	44	Op	16 43 35.8 -0.4	
SJES	Sjenica	0.89	97	eP	16 43 44.1 -0.8	
SJES	Sjenica	0.89	97	eP	16 43 38.9 -1.5	
IVAS	Ivanjica	1.03	79	eP	16 43 51.0 -1.0	
IVAS	Ivanjica	1.03	79	eP	16 43 42.5 -0.5	
IVAS	Ivanjica	1.03	79	eP	16 43 47.0 +0.6	
DIVS	Divibare	1.14	51	eP	16 43 53.5 -1.7	
DIVS	Divibare	1.14	51	eP	16 43 59.6 -0.4	

MOS 16 17:00:56.8:2.5, 51.56N:101.86E, h11km, mb4.4/1, Error ellipse: s-maj=18.8km s-min=16.6km az=152.8

BYKL 16 17:00:57.1:0.3, 51.58N:101.94E, h11km, 4km, FELT I=III-IV MSK at Kyren

IDC 16 17:00:59.6:2.8, 51.10N:101.58E, h0km, mb1 2.9/4, mb1mx2.8/69, mbtmp2.9/4, ML2.0/3, Error ellipse: s-maj=55.6km s-min=15.2km az=26.0

ISC 16 17:00:55.9:0.7, 51.54N:101.84E:0.02, h10km, n36, #2504/72, 6C-10, Tuva-Buryatia-Mongolia border region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
ARS	Arshan	0.53	43	Op	17 01 05.9 -0.2	
ARS	Arshan	0.53	43	eP	17 01 12.5 -0.5	
ARS	620nm,0.2s			Smax		
ARS	6um,0.2s			Smax		
ARS	Arshan	0.53	43	eP	17 01 05.7 -0.4	
ARS	Arshan	0.53	43	eP	17 01 12.5	
ARS	comp=E,3um,0.1s			Smax		
MOY	Mondy	0.55	284	Op	17 01 08.0 +0.4	
MOY	Mondy	0.55	284	eP	17 01 16.4 +0.9	
MOY	comp=E,626nm,0.2s			Smax		
MOY	comp=E,8um,1.1s			Smax		
MOY	Mondy	0.55	284	eP	17 01 08.0 +0.4	
MOY	Mondy	0.55	284	eP	17 01 16.3	
MOY	comp=N,573nm,0.1s			Smax		
MOY	comp=N,6um,0.3s			Smax		
TLY	Talaya	1.13	82	Op	17 01 15.9 -1.6	
TLY	Talaya	1.13	82	eP	17 01 17.9 +0.1	
TLY	Talaya	1.13	82	eP	17 01 30.2 -1.7	
TLY	comp=N,123nm,0.1s			Smax		
TLY	comp=N,2um,0.2s			Smax		
TLY	Talaya	1.13	82	eP	17 01 15.9 -1.6	
TLY	Talaya	1.13	82	eP	17 01 30.2	
TLY	comp=N,50nm,0.3s			Smax		
TLY	comp=N,1.0nm,0.5s			Smax		
ZAK	Zakamensk	1.47	141	Op	17 01 23.5 -0.6	
ZAK	Zakamensk	1.47	141	eP	17 01 31.1	
ZAK	Zakamensk	1.47	141	eP	17 01 44.0 +0.8	
ZAK	Zakamensk	1.47	141	eP	17 01 46.6	
ZAK	comp=N,679nm,0.9s			Smax		
ZAK	comp=N,2um,0.4s			Smax		
ZAK	Zakamensk	1.47	141	eP	17 01 23.5 -0.6	
ZAK	Zakamensk	1.47	141	eP	17 01 43.7	
ZAK	comp=N,679nm,0.6s			Smax		
ZAK	Zakamensk	1.47	141	eP	17 01 23.5 -0.6	
ZAK	Zakamensk	1.47	141	eP	17 01 43.7	
ZAK	comp=N,2um,0.4s			Smax		
ORL	Orlik	1.61	309	Op	17 01 26.1 -0.6	
ORL	Orlik	1.61	309	eP	17 01 27.9	
ORL	Orlik	1.61	309	eP	17 01 47.5 0.0	
ORL	Orlik	1.61	309	eP	17 01 49.8	
ORL	comp=E,423nm,0.6s			Smax		
ORL	Orlik	1.61	309	eP	17 01 26.1 -0.6	
ORL	Orlik	1.61	309	eP	17 01 47.8	
ORL	comp=N,423nm,0.5s			Smax		
ORL	Orlik	1.61	309	eP	17 01 26.1 -0.6	
ORL	Orlik	1.61	309	eP	17 01 47.8	
ORL	comp=N,679nm,0.8s			Smax		
IVK	Ivanovka	1.62	80	Op	17 01 24.4 -0.1	
IVK	Ivanovka	1.62	80	eP	17 01 26.1	
IVK	Ivanovka	1.62	80	eP	17 01 44.9 -0.6	
IVK	Ivanovka	1.62	80	eP	17 01 48.3	
IVK	comp=E,125nm,0.3s			Smax		
IVK	comp=N,547nm,0.4s			Smax		
IRK	Irkutsk	1.66	64	eP	17 01 26.1 -0.4	
IRK	Irkutsk	1.66	64	eP	17 01 41.0	
IRK	comp=N,270nm,0.3s			Smax		
IRK	Irkutsk	1.66	64	eP	17 01 26.1 -0.4	
IRK	Irkutsk	1.66	64	eP	17 01 46.5	
IRK	comp=N,3um,0.5s			Smax		
IRK	Irkutsk	1.66	64	eP	17 01 26.1 -0.4	
IRK	Irkutsk	1.66	64	eP	17 01 46.5	
IRK	comp=N,268nm,0.4s			Smax		
IRK	Irkutsk	1.66	64	eP	17 01 26.1 -0.4	

ellipse: s-maj=47.4km s-min=18.5km az=73.0
ISCJB 16 17:59:14.9.0.5, 4.55S:0.04:136.79E:0.05, h33km,
mb3.8/7, Error ellipse: s-maj=9.6km s-min=5.7km
az=166.1

DJA 16 17:59:15.8.1.1, 4.4S:4.13E, h10km, 9km, M4.3/8,
mb4.5/5, MLV4.3/8
NEIC 16 17:59:15.3.0.6, 4.40S:136.83E, h35km, mb4.1/1, Error
ellipse: s-maj=26.4km s-min=9.6km az=72.0

ISC 16 17:59:16.6.0.7, 4.57S:0.06:136.80E:0.07, h35km, n22,
c=23.420, mb3.9/7, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SRPI Serui, BAKI Biak, GENEY Genyum, etc.

ISCJB 16 18:07:02.3.0.4, 36.63S:0.03:70.93W:0.07, h159km, 4km,
mb3.7/7, Error ellipse: s-maj=9.6km s-min=4.1km az=20.0

SJA 16 18:07:02.4.0.6, 36.68S:70.95W, h164km, 5km, ML3.8,
MW3.6
ISC 16 18:07:03.4.2.4, 36.72S:70.59W, h146km, 22km, mb3.5/8,
mb1.3/7.10, mb1mx3.5/3, mbtmp3.4/10, Error ellipse:
s-maj=22.4km s-min=14.8km az=93.0

GUC 16 18:07:03.3.0.5, 36.63S:71.05W, h168km, 6km, ML3.9
ISC 16 18:07:03.3.0.7, 36.61S:70.94W:0.06, h154km, 7km,
n39, c1829/59, mb3.8/7, IC, Chile-Argentina border
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CCHI Chillan, CANA Canaviuh, CANA Canaviuh, etc.

MKAR Makanchi Array 157.67 55 PKPab PKPab 18 27 14.6 +0.6
comp=2.0, 2nm, 0.4s, baz=273, slow=3.9, SNR=4.6

IDC 16 18:10:39.3.1.8, 4.13N:127.16E, h0km, mb3.2/3,
mb1.3/4.3, mb1mx3.2/5, mbtmp3.2/3, Error ellipse:
s-maj=145.1km s-min=26.7km az=66.0, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 16 18:18:58.8.7.3, 3.54S:146.90E, h0km, mb3.4/3,
mb1.3/7.3, mb1mx3.4/4, mbtmp3.5/3, Error ellipse:
s-maj=242.3km s-min=31.2km az=99.0, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, etc.

SJA 16 18:24:12.4.0.8, 32.41S:71.70W, h35km, 9km, ML2.4,
MW3.3
GUC 16 18:24:16.8.0.4, 32.39S:71.17W, h55km, 4km, ML2.6
ISC 16 18:24:14.5.4.4, 32.65S:0.1x71.7W:0.2, h65km, 25km, n11,
c0980/18, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ROCI El Roble, PEL Peldehue, etc.

ANTU Antumapu 1.34 137 IAML
comp=E.219nm, 0.2s

FCH Farellones 1.42 122 eP Pn 18 24 38.4 0.0
FCH Farellones 1.42 122 eS Pn 18 24 55.1 -1.4
FCH Farellones 1.42 122 IAML Pn 18 24 57.7 -0.3

AUSP Uspallata 2.02 80 iP S Pn 18 24 45.9 -0.6
AUSP Uspallata 2.02 80 iS Pn 18 25 11.0 +0.1
ARCO CERRO ARCO 2.37 97 iP S Pn 18 24 51.5 +0.3
ARCO CERRO ARCO 2.37 97 iS Pn 18 25 20.6 +1.2
ARCO CERRO ARCO 2.37 97 IAML Pn 18 25 21.1

ASAL Salagasta 2.44 91 iP Pn 18 24 51.9 -0.2
ASAL Salagasta 2.44 91 iS Pn 18 25 21.9 +0.9
AAGR Agrelo 2.49 102 iP S Pn 18 24 53.1 +0.2
RTCV Cerro Valdivia 2.80 76 iP Pn 18 24 56.7 -0.3

IDC 16 18:30:40.1.0.4, 14.57S:76.08W, h0km, mb3.7/3,
mb1.3/8/6, mb1mx3.6/4, mbtmp3.7/6, ML3.3/3, MS3.8/1,
Ms1.3/8/1, ms1mx2.9/4, Error ellipse: s-maj=39.9km
s-min=14.4km az=69.0

NEIC 16 18:30:41.4.0.5, 14.56S:76.06W, h10km, ML4.3(ARE),
Error ellipse: s-maj=15.2km s-min=8.7km az=49.0
NEIC Felt III at Chinchta Ala and Ica.
ISCJB 16 18:30:42.7.1.1, 14.52S:0.10x75.9W:0.1, h29km, mb3.9/1,
Error ellipse: s-maj=22.2km s-min=7.2km az=145.5

ISC 16 18:30:44.3.1.1, 14.65S:0.1x76.0W:0.1, h29km, n19,
c0971/14, Near coast of Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include NNA Nana, NNA Nana, ATAH Atahualpa, etc.

SIV San Ignacio 14.48 98 Pn Pn 18 34 06.5 -1.0
SIV San Ignacio 14.48 98 LR LR 18 40 15.9

PTGA Pitanga 20.98 51 P Pn 18 35 25.5 +0.1
CPUP Villa Florida 21.03 127 P Pn 18 35 26.8 +0.9

SNAAS Sanae 17.00 161 P Pn 18 41 59.4 +0.3
TOAO Torodi Ari. Sit 81.69 74 eP Pn 18 43 01.2 +0.5

H1N3 WAKE ISLAND Hy119.94 285 T T 21 00 29.4
H1N2 WAKE ISLAND Hy119.96 285 T T 21 00 30.5

H1N1 WAKE ISLAND Hy119.96 285 T T 21 00 30.7
H1S2 WAKE ISLAND Hy120.01 283 T T 21 00 35.7

H1S1 WAKE ISLAND Hy120.01 283 T T 21 00 36.4
H1S3 WAKE ISLAND Hy120.02 283 T T 21 00 37.1

WRA Warramunga Arr 134.55 222 ePKP Pn 18 50 00.3 -0.5
WRA Warramunga Arr 134.55 222 PKP Pn 18 50 00.3 -0.5

MK32 Makanchi Array 143.09 25 ePKP Pn 18 50 16.0 +0.4
MKAR Makanchi Array 143.09 25 PKP Pn 18 50 16.0 +0.4

JMA 16 18:38:07.2.0.7, 45.52N:151.27E, h30km, M3.9, Kuril
Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include NEM2 Nemuro 2, JRA Rausu, JNK Nakash, etc.

IDC 16 18:38:16.3.0.7, 0.13S:125.69E, h0km, mb4.0/13,
mb1.4/0/13, mb1mx3.8/5, mbtmp3.4/0/13, MS3.2/1,
Ms1.3/2/1, ms1mx2.6/5.4, Error ellipse: s-maj=34.0km
s-min=14.0km az=65.0

ISCJB 16 18:38:21.6.0.4, 0.01N:0.07x126.15E:0.05, h44km,
mb4.0/15, Error ellipse: s-maj=9.6km s-min=6.5km
az=13.0

NEIC 16 18:38:21.4.0.4, 0.13S:125.71E, h35km, mb4.2/2, Error
ellipse: s-maj=21.8km s-min=7.8km az=66.0
DJA 16 18:38:23.8.0.8, 0.0N:4.12E, h21km, 7km, M3.8/9,
mb4.0/2, MLV3.7/9

ISC 16 18:38:23.7.0.6, 0.10N:0.06x126.11E:0.04, h44km, n26,
c1986/29, mb4.0/15, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TNTI Ternate, LBMI Labuha, etc.

WRA Warramunga Arr 21.49 158 P Pn 18 43 06.5 -2.3
PMG Port Moresby 22.98 115 P Pn 18 43 25.5 +0.7

ASAR Alice Springs 24.81 163 P Pn 18 43 39.7 -2.1
STKA Stephens Creek 35.02 157 P Pn 18 45 10.2 -2.0

KSAR Koroia Array 37.21 19 P Pn 18 45 31.7 +1.1
KSRS Koroia Array 37.21 19 Pn 18 45 31.7 +1.1

ASAJ Asahikawa 46.22 16 P Pn 18 46 46.5 +2.0
SONM Songino Array 50.54 34 P Pn 18 47 17.3 -0.5

PETK Petropavlovsk- 59.01 22 P Pn 18 48 19.9 +1.1
MKAR Makanchi Array 60.20 327 P Pn 18 48 26.1 -1.2

ZALV Zalevno Beam 63.54 334 P Pn 18 48 46.9 -2.6
KURBB Kurchatov Arra 64.47 329 P Pn 18 48 55.0 -0.7

KURK Kurchatov 64.47 329 P Pn 18 48 55.0 -0.7
BVAR Borovoye Array 70.10 328 P Pn 18 49 28.5 -2.8

AKTO Aktyubinsk 76.12 322 P Pn 18 50 05.2 -1.7
1.8nm, 0.6s, baz=125, slow=8.8, SNR=3.9

IDC 16 18:41:12.1.2.0, 0.04N:126.07E, h0km, mb4.0/12,
mb1.4/0/12, mb1mx3.8/5, mbtmp4.0/12, Error ellipse:
s-maj=40.6km s-min=15.2km az=72.0

ISCJB 16 18:41:16.2.0.6, 0.0N:0.1x126.1E:0.2, h44km, mb3.9/12,
Error ellipse: s-maj=37.2km s-min=13.0km az=163.3

ISC 16 18:41:18.2.0.8, 0.1N:0.2x126.2E:0.3, h44km, n12,
c073/13, mb4.0/12, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, etc.

ASAJ Asahikawa 46.25 16 P Pn 18 49 39.1 -0.1
SONM Songino Array 50.54 34 P Pn 18 50 12.2 -0.7

MKAR Makanchi Array 60.20 327 P Pn 18 51 23.0 +0.6
ZALV Zalevno Beam 63.54 334 P Pn 18 51 43.9 -0.7

KURBB Kurchatov Arra 64.47 329 P Pn 18 51 50.2 -0.6
BVAR Borovoye Array 70.10 328 P Pn 18 52 26.2 +0.3

AKTO Aktyubinsk 76.20 322 P Pn 18 53 02.2 +0.3
2.4nm, 0.7s, baz=125, slow=7.2, SNR=8.7

IDC 16 18:54:47.3.3.5, 17.38S:167.70E, h0km, mb4.1/3,
mb1.4/4/4, mb1mx3.8/4, mbtmp4.2/4, ML4.9/1, MS2.9/1,
Ms1.2/9/1, ms1mx2.6/4, Error ellipse: s-maj=74.1km
s-min=40.1km az=98.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include DZM Mont Dzumak, DZM Mont Dzumak, etc.

WRA Warramunga Arr 31.68 50 P Pn 19 01 12.8 0.0
ASAR Alice Springs 32.21 253 P Pn 19 01 17.5 +0.1

SONM Songino Array 34.87 324 P Pn 19 07 24.4 +0.4

IDC 16 19:51:04.8.4.6, 19.65S:177.82W, h279km, 46km,
mb3.1/5, mb1.3/5, mb1mx3.1/4, mbtmp3.8/7, Error
ellipse: s-maj=21.7km s-min=14.1km az=111.0, Fiji
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Wredera, URZ Uredera, etc.

ASAR Alice Springs 44.88 256 P Pn 19 58 52.4 0.0
WRA Warramunga Arr 44.88 251 P Pn 19 58 52.4 0.0

NVAR Mina Array Bea 80.30 43 P Pn 20 02 46.0 +0.8
TXAR Lajitas Array 86.46 57 P Pn 20 03 16.5 -0.1

PDAR Pinedale Array 88.23 43 P Pn 20 03 24.1 -0.8
CMAR Chiang Mai Arr 89.99 20 P Pn 20 03 32.5 -0.8

IDC 16 19:53:45.9.0.9, 28.49N:51.98E, h0km, mb3.9/15,
mb1.3/9/18, mb1mx3.7/5, mbtmp3.8/18, ML3.5/3, MS2.8/5,
Ms1.2/8/5, ms1mx2.5/9, Error ellipse: s-maj=20.2km
s-min=15.7km az=172.0

DNB 16 19:53:46.3.1.1, 29.02N:52.32E, h15km, ML4.1/9, Error
ellipse: s-maj=14.8km s-min=3.5km az=0.0

ISCJB 16 19:53:46.9.0.3, 28.81N:10.0352:34E:0.05, h12km,
mb3.8/15, MS2.8/2, Error ellipse: s-maj=6.4km
s-min=4.2km az=147.7

CSEM 16 19:53:47.6.0.2, 28.92N:52.40E, h10km, ML3.6, Error
ellipse: s-maj=6.4km s-min=4.6km az=72.0

THR 16 19:53:47.4.0.3, 29.01N:52.48E, h16km, 6km, ML3.6
TEH 16 19:53:48.8.28.97N:52.41E, h7km, ML3.6
ISC 16 19:53:48.0.6.28, 88N:0.0452:34E:0.05, h12km, n74,
c187/65, mb3.8/15, Southern Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Wredera, URZ Uredera, etc.

SHI Shiraz	0.77 11 ePg	Pg	19 54 00.3 -2.8
SHI Shiraz	0.77 11 ePg	Pg	19 54 21.8
SHI Shiraz	0.77 11 ePg	Pg	19 54 00.3 -2.8
GHIR Ghir-Karzin	0.82 136 ePg	Pg	19 54 03.5 -0.4
GHIR Ghir-Karzin	0.82 136 ePg	Pg	19 54 29.9
GHIR Ghir-Karzin	0.82 136 ePg	Pg	19 54 03.5 -0.4
GHIR Ghir-Karzin	0.82 136 ePg	Pg	19 54 03.5 -0.4
AHBU AHFRAM	0.92 269 ePg	Pn	19 54 07.0 +0.2
AHBU AHFRAM	0.92 269 ePg	Pn	19 54 21.2 +1.3
IPAR Pars	1.14 33 e	Pb	19 54 34.4
IPAR Pars	1.14 33 e	Pb	19 54 07.7 -2.2
IPAR Pars	1.14 33 e	Pb	19 54 34.8
IPAR Pars	1.14 33 e	Pb	19 54 38.2
JHRM Jahrom	1.15 109 e	Pg	19 54 38.1
JHRM Jahrom	1.15 109 e	Pg	19 54 09.8 -0.3
JHRM Jahrom	1.15 109 e	Pg	19 54 39.1
JHRM Jahrom	1.15 109 e	Pg	19 54 40.5
IRAM Ramesheh	2.92 1 ePn	Pn	19 54 33.9 -0.6
IRAM Ramesheh	2.92 1 ePn	Pn	19 55 33.9
IRAM Ramesheh	2.92 1 ePn	Pn	19 55 37.1
IRAM Ramesheh	2.92 1 ePn	Pn	19 55 40.2
IRAM Ramesheh	2.92 1 ePn	Pn	19 54 33.9 -0.6
IMEH Mehriz	3.18 38 ePn	Pn	19 54 38.0 -0.2
IMEH Mehriz	3.18 38 ePn	Pn	19 54 38.0 -0.2
IMEH Mehriz	3.18 38 ePn	Pn	19 54 53.8
ISAD Sadrabad	3.24 21 ePn	Pn	19 54 38.0 -0.2
ISAD Sadrabad	3.24 21 ePn	Pn	19 54 47.1
ISAD Sadrabad	3.24 21 ePn	Pn	19 55 26.1
ISAD Sadrabad	3.24 21 ePn	Pn	19 54 39.6 +0.6
ZNGN Zangian	3.47 339 e	Pn	19 55 57.2
ZNGN Zangian	3.47 339 e	Pn	19 55 59.6
ZNGN Zangian	3.47 339 e	Pn	19 56 03.1
ZNGN Zangian	3.47 339 e	Pn	19 55 06.0
ZNGN Zangian	3.47 339 e	Pn	19 55 57.2
IGAR Gharneh	3.52 356 e	Pn	19 55 57.2
IGAR Gharneh	3.52 356 e	Pn	19 55 57.2
IGAR Gharneh	3.52 356 e	Pn	19 55 57.2
IGAR Gharneh	3.52 356 e	Pn	19 55 57.2
IGAR Gharneh	3.52 356 e	Pn	19 55 57.2
BNDS Bandar-Abbas	3.69 113 ePn	Pn	19 54 45.2 +0.1
BNDS Bandar-Abbas	3.69 113 ePn	Pn	19 54 45.2 +0.1
BNDS Bandar-Abbas	3.69 113 ePn	Pn	19 54 45.2 +0.1
BNDS Bandar-Abbas	3.69 113 ePn	Pn	19 54 45.2 +0.1
ICHK Chekchek	3.80 27 ePn	Pn	19 55 07.9
ICHK Chekchek	3.80 27 ePn	Pn	19 55 09.6
ICHK Chekchek	3.80 27 ePn	Pn	19 55 38.1
ICHK Chekchek	3.80 27 ePn	Pn	19 54 46.5 -0.1
NASN Na'in	3.93 6 ePn	Pn	19 54 47.5 -1.0
NASN Na'in	3.93 6 ePn	Pn	19 54 47.5 -1.0
NASN Na'in	3.93 6 ePn	Pn	19 54 47.5 -1.0
NASN Na'in	3.93 6 ePn	Pn	19 54 47.5 -1.0
IPIR Pirpir	3.99 342 e	Pn	19 55 45.9
IPIR Pirpir	3.99 342 e	Pn	19 55 55.2
IPIR Pirpir	3.99 342 e	Pn	19 55 55.4
IPIR Pirpir	3.99 342 e	Pn	19 55 55.4
IZEF Zefreh	4.00 360 ePn	Pn	19 54 48.9 -0.6
IZEF Zefreh	4.00 360 ePn	Pn	19 55 41.0
IZEF Zefreh	4.00 360 ePn	Pn	19 55 41.3
IZEF Zefreh	4.00 360 ePn	Pn	19 55 45.2
IZEF Zefreh	4.00 360 ePn	Pn	19 54 48.9 -0.6
SHME Sham	4.00 129 ePn	Pn	19 54 54.3 -0.4
SHME Sham	4.00 129 ePn	Pn	19 55 58.5
IKLH Kohatroud	4.47 352 e	Pn	19 56 01.5
IKLH Kohatroud	4.47 352 e	Pn	19 56 01.5
IKLH Kohatroud	4.47 352 e	Pn	19 56 10.7
IKLH Kohatroud	4.47 352 e	Pn	19 56 10.7
IKLH Kohatroud	4.47 352 e	Pn	19 56 10.7
BANOM Banah	4.59 129 P	Pn	19 54 56.9 -0.4
BANOM Banah	4.59 129 P	Pn	19 54 56.9 -0.4
NAZ Nazwa, Dubai	4.88 142 P	Pn	19 55 01.5 +0.2
NAZ Nazwa, Dubai	4.88 142 P	Pn	19 55 01.5 +0.2
MSFE Esma-Masaf	4.88 135 P	Pn	19 55 01.1 -0.3
ASUD AI Ashush, Dub	5.01 147 P	Pn	19 55 03.2 +0.2
ASUD AI Ashush, Dub	5.01 147 P	Pn	19 55 03.2 +0.2
MDH Madha	5.01 134 P	Pn	19 55 02.5 -0.6
MDH Madha	5.01 134 P	Pn	19 55 02.5 -0.6
LOSS Minazif	5.22 138 P	Pn	19 55 05.1 -0.8
LOSS Minazif	5.22 138 P	Pn	19 55 05.1 -0.8
HATD Hatta, Dubai	5.27 139 P	Pn	19 55 06.2 -0.5
HATD Hatta, Dubai	5.27 139 P	Pn	19 55 06.2 -0.5
ASHO Ashiyah	5.34 141 P	Pn	19 55 07.2 -0.4
ASHO Ashiyah	5.34 141 P	Pn	19 55 07.2 -0.4
ASHO Ashiyah	5.34 141 P	Pn	19 55 07.2 -0.4
ALNE Al Ain	5.34 141 P	Pn	19 55 07.2 -0.4
MZR Muzera	5.94 170 P	Pn	19 55 16.0 +0.2
TABS Tabas	6.27 39 ePn	Pn	19 55 19.0 -1.5
TABS Tabas	6.27 39 ePn	Pn	19 55 19.0 -1.5
TABS Tabas	6.27 39 ePn	Pn	19 55 19.0 -1.5
TABS Tabas	6.27 39 ePn	Pn	19 55 19.0 -1.5
WSAR Wadi Sarin	7.97 13 P	Pn	19 55 42.1 -1.6
WSAR Wadi Sarin	7.97 13 P	Pn	19 55 42.1 -1.6
WSAR Wadi Sarin	7.97 13 P	Pn	19 57 06.2 -7.7
RAYN Ar Rayn	8.13 231 P	Pn	19 55 45.1 -1.0
RAYN Ar Rayn	8.13 231 P	Pn	19 55 45.1 -1.0
GEYT Alibeck	10.23 27 Pn	Pn	19 56 20.1 +5.4
GEYT Alibeck	10.23 27 Pn	Pn	19 56 20.1 +5.4
GEYT Alibeck	10.23 27 Pn	Pn	19 56 20.1 +5.4
GEYT Alibeck	10.23 27 Pn	Pn	19 56 20.1 +5.4
GEYT Alibeck	10.23 27 Pn	Pn	19 56 20.1 +5.4
GNI Garni	12.86 333 LR	LR	20 02 46.1
GNI Garni	12.86 333 LR	LR	20 02 46.1
MMAI Mount Meron Ar	15.11 290 LR	LR	20 04 08.1
MMAI Mount Meron Ar	15.11 290 LR	LR	20 04 08.1
BRTR Keskin Array B	18.32 310 P	Pn	19 58 07.6 -0.2
BRTR Keskin Array B	18.32 310 P	Pn	19 58 07.6 -0.2
DRHM DHARAMSHALA	20.89 75 eP	Pn	19 58 34.2 +1.2
SMLA Simla	21.61 78 eP	Pn	19 58 28.6 -9.3
AKTO Aktyubinsk	21.95 10 P	Pn	19 58 45.1 +3.6
AKTO Aktyubinsk	21.95 10 P	Pn	19 58 45.1 +3.6
AKTO Aktyubinsk	21.95 10 P	Pn	20 00 44.4
AKTO Aktyubinsk	21.95 10 P	Pn	20 00 44.4
AKTO Aktyubinsk	21.95 10 P	Pn	20 00 44.4
AKTO Aktyubinsk	21.95 10 P	Pn	20 00 44.4
AKTO Aktyubinsk	21.95 10 P	Pn	20 00 44.4
IDI Anovya	24.08 292 P	Pn	19 59 00.8 -2.6
IDI Anovya	24.08 292 P	Pn	19 59 00.8 -2.6
BVAR Borovoye Array	27.55 24 P	Pn	19 59 38.7 +4.0
BVAR Borovoye Array	27.55 24 P	Pn	19 59 38.7 +4.0
BVAR Borovoye Array	27.55 24 P	Pn	19 59 38.7 +4.0
BVAR Borovoye Array	27.55 24 P	Pn	19 59 38.7 +4.0
BVAR Borovoye Array	27.55 24 P	Pn	19 59 38.7 +4.0
MKAR Kurchatov Arra	29.35 35 P	Pn	19 59 55.0 +4.3
MKAR Kurchatov Arra	29.35 35 P	Pn	19 59 55.7 +4.5
MKAR Kurchatov Arra	29.35 35 P	Pn	19 59 55.7 +4.5
MKAR Kurchatov Arra	29.35 35 P	Pn	19 59 55.7 +4.5
MKAR Kurchatov Arra	29.35 35 P	Pn	19 59 55.7 +4.5
ZALV Zalesovo Beam	34.42 34 P	Pn	20 00 38.8 +3.7
ZALV Zalesovo Beam	34.42 34 P	Pn	20 00 38.8 +3.7
ZALV Zalesovo Beam	34.42 34 P	Pn	20 00 38.8 +3.7
ZALV Zalesovo Beam	34.42 34 P	Pn	20 00 38.8 +3.7
ZALV Zalesovo Beam	34.42 34 P	Pn	20 00 38.8 +3.7
FINES FINESS Array B	36.94 339 P	Pn	20 00 59.2 +2.6
FINES FINESS Array B	36.94 339 P	Pn	20 00 59.2 +2.6
FINES FINESS Array B	36.94 339 P	Pn	20 00 59.2 +2.6
FINES FINESS Array B	36.94 339 P	Pn	20 00 59.2 +2.6
FINES FINESS Array B	36.94 339 P	Pn	20 00 59.2 +2.6
HFS Hagfors	40.64 331 P	Pn	20 01 28.5 +0.8
HFS Hagfors	40.64 331 P	Pn	20 01 28.5 +0.8
HFS Hagfors	40.64 331 P	Pn	20 01 28.5 +0.8
HFS Hagfors	40.64 331 P	Pn	20 01 28.5 +0.8
HFS Hagfors	40.64 331 P	Pn	20 01 28.5 +0.8
ARCES ARCESS Array B	43.54 347 P	Pn	20 01 53.8 +2.6
ARCES ARCESS Array B	43.54 347 P	Pn	20 01 53.8 +2.6
ARCES ARCESS Array B	43.54 347 P	Pn	20 01 53.8 +2.6
ARCES ARCESS Array B	43.54 347 P	Pn	20 01 53.8 +2.6
ARCES ARCESS Array B	43.54 347 P	Pn	20 01 53.8 +2.6
ESDC Sonseca Array	47.08 299 LR	LR	20 23 32.0
ESDC Sonseca Array	47.08 299 LR	LR	20 23 32.0
ESDC Sonseca Array	47.08 299 LR	LR	20 23 32.0
ESDC Sonseca Array	47.08 299 LR	LR	20 23 32.0
ESDC Sonseca Array	47.08 299 LR	LR	20 23 32.0
EKA Eskdalemuir Ar	47.30 320 P	Pn	20 02 22.1 +0.9
EKA Eskdalemuir Ar	47.30 320 P	Pn	20 02 22.1 +0.9
EKA Eskdalemuir Ar	47.30 320 P	Pn	20 02 22.1 +0.9
EKA Eskdalemuir Ar	47.30 320 P	Pn	20 02 22.1 +0.9
EKA Eskdalemuir Ar	47.30 320 P	Pn	20 02 22.1 +0.9
Torodi Ar. Bea	49.44 263 P	Pn	20 02 36.2 -2.0
Torodi Ar. Bea	49.44 263 P	Pn	20 02 36.2 -2.0
Torodi Ar. Bea	49.44 263 P	Pn	20 02 36.2 -2.0
Torodi Ar. Bea	49.44 263 P	Pn	20 02 36.2 -2.0
Torodi Ar. Bea	49.44 263 P	Pn	20 02 36.2 -2.0
DBIC Dimbokro	58.17 259 P	Pn	20 03 38.0 -4.3
DBIC Dimbokro	58.17 259 P	Pn	20 03 38.0 -4.3
DBIC Dimbokro	58.17 259 P	Pn	20 03 38.0 -4.3
DBIC Dimbokro	58.17 259 P	Pn	20 03 38.0 -4.3
DBIC Dimbokro	58.17 259 P	Pn	20 03 38.0 -4.3
KSR5 Korea Array	62.31 61 P	Pn	20 04 12.2 +2.0
KSR5 Korea Array	62.31 61 P	Pn	20 04 12.2 +2.0
KSR5 Korea Array	62.31 61 P	Pn	20 04 12.2 +2.0
KSR5 Korea Array	62.31 61 P	Pn	20 04 12.2 +2.0
KSR5 Korea Array	62.31 61 P	Pn	20 04 12.2 +2.0
WRA Warramunga Arr	92.75 111 P	Pn	20 07 00.9 +0.2
WRA Warramunga Arr	92.75 111 P	Pn	20 07 00.9 +0.2
WRA Warramunga Arr	92.75 111 P	Pn	20 07 00.9 +0.2
WRA Warramunga Arr	92.75 111 P	Pn	20 07 00.9 +0.2
WRA Warramunga Arr	92.75 111 P	Pn	20 07 00.9 +0.2
ASAR Alice Springs	94.23 115 P	Pn	20 07 09.6 +2.2
ASAR Alice Springs	94.23 115 P	Pn	20 07 09.6 +2.2
ASAR Alice Springs	94.23 115 P	Pn	20 07 09.6 +2.2
ASAR Alice Springs	94.23 115 P	Pn	20 07 09.6 +2.2
ASAR Alice Springs	94.23 115 P	Pn	20 07 09.6 +2.2

SOME 16 19:56:10.2, 44.23N-84.48E, h10km
 NNC 16 19:56:10.6, 2.3, 43.46N-84.45E, h0km, mb3.4, mpv3.0,
 Error ellipse: s-maj=19.9km s-min=9.5km az=127.0
 ISC 16 19:56:11.7, 2.8, 43.4N:01:84.3E:0.1, h10km, n10,
 #c209/18, 2C-2D, Northern Xinjiang

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
DJR	Jarkent	3.38 287	Op	ISC	h m s ISC
DJR	Jarkent	3.38 287	Op	Pb	19 57 11.5 -0.3
DJR	Jarkent	3.38 287	Op	eS	19 57 55.0 +2.1
PDGK	Podgornyy	3.50 270	llPg	Pg	19 57 16.1 +2.4
PDGK	Podgornyy	3.50 270	llPg	Lg	19 58 05.8
SHLS	Shalkode	3.53 268	eP	Pb	19 57 12.6 -1.7
SHLS	Shalkode	3.53 268	eP	Sb	19 57 57.8 +0.6
MK31	Makanchi Array	3.67 338	Pn	Pn	19 57 08.6 +0.1
MK31	Makanchi Array	3.67 338	Pn	Pb	19 57 17.5 +0.9
MK31	Makanchi Array	3.67 338	Pn	Lg	19 58 06.8
MAKZ	Makanchi	3.77 335	llPg	Pb	19 57 19.9 +1.5
MAKZ	Makanchi	3.77 335	llPg	Lg	19 58 09.5
MAKZ	Makanchi	3.77 335	llPg	Lg	19 58 09.5
UZB	Uzunbulak	3.85 268	eP	Pg	19 57 24.2 -1.3
UZB	Uzunbulak	3.85 268	eP	Sg	19 58 17.3 +2.0
KAPS	Kapalaras	4.00 300	eP	Pb	19 57 18.5 -3.8
KAPS	Kapalaras	4.00 300	eP	Sb	19 58 08.0 -2.8
KPKS	Kokpek	4.08 273	eP	Pg	19 57 29.1 -0.7
KPKS	Kokpek	4.08 273	eP	Sg	19 58 25.6 +3.0
SATY	Saty	4.31 267	eP	Pg	19 57 33.0 -1.2
SATY	Saty	4.31 267	eP	Sg	19 58 32.4 +2.4
KURS	Kuram	4.45 273	eP	Pg	19 57 35.0 -2.0
KURS	Kuram	4.45 273	eP	Sg	19 58 35.0 +0.4
DJA	16 20:20:35.2, 5.2, 8°S, 16°12'6E, 4°5', h10km, M4.2/6, mb4.2, MLv4.0/6				
ISCJB	16 20:20:38.4, 0.4, 0.7, 66S:0.05:126.08E:0.07, h10km, mb4.0/15, MS3.9/1, Error ellipse: s-maj=9.9km s-min=7.4km az=12.6				
IDC	16 20:20:39.0, 0.6, 7.77S:125.73E, h0km, mb4.1/14, mb1.4/15, mb1mx3.9/48, mbmp4.0/15, ML4.2/1, MS3.9/1, Ms1.3/9/1, ms1mx2.7/44, Error ellipse: s-maj=34.9km s-min=14.4km az=78.0				
NEIC	16 20:20:43.8, 0.5, 7.81S:125.98E, h35km, mb4.4/1, Error ellipse: s-maj=26.8km s-min=8.7km az=67.0				
ISC	16 20:20:40.7, 0.6, 7.69S:0.07:126.00E:0.09, h10km, n24, #1502/22, mb4.1/15, Banda Sea				

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
SOEI	Soe	2.67 220	Op	ISC	h m s ISC
SOEI	Soe	2.67 220	Op	Pn	20 22 02.7 +1.1
SOEI	Soe	2.67 220			

CPCT		eSn	Sn	21 12 09.9 +1.1
V39A	Pettigrew	21.76 352 P	P	21 07 50.8 +0.8
V49A	McMinnville	21.81 9 P	P	21 07 51.9 +1.5
W53A	Cullowhee	21.81 16 P	P	21 07 52.7 +2.1
V50A	Pikeville	21.86 11 P	P	21 07 52.4 +1.5
WMOK	Wichita Mounta	21.86 341 P	P	21 07 51.3 +0.3
WMOK	Wichita Mounta	21.86 341 eP	P	21 07 49.9 -1.2
WVT	Waverly	21.93 5 P	P	21 07 52.7 +1.0
WVT	Waverly	21.93 5 eP	P	21 07 53.4 +1.6
GLAT	Glass	21.99 2 eP	P	21 07 54.8 +2.5
U44B	Burton Farm, H	22.05 2 P	P	21 07 54.7 +1.6
U43A	Rector	22.07 360 P	P	21 07 54.8 +1.5
U42A	Revendon	22.07 358 P	P	21 07 54.3 +1.0
U41A	Viola	22.10 356 P	P	21 07 54.7 +1.1
GD12	Guadalupe Moun	22.10 327 eP	P	21 07 52.1 -1.7
TKL	Tuckaleechee C	22.13 14 P	P	21 07 54.3 +0.4
TKL		LR		21 17 25.9
TKL	Tuckaleechee C	22.13 14 eP	P	21 07 56.0 +2.2
U46A	Springville	22.13 4 P	P	21 07 55.6 +1.7
V51A	Loudon	22.14 13 P	P	21 07 55.7 +1.8
V51A	Loudon	22.14 13 eP	P	21 07 52.7 -1.3
U40A	Yellville	22.19 354 P	P	21 07 55.0 +0.5
TUL1	Leonard	22.19 348 P	P	21 07 54.6 +0.1
TUL1	Leonard	22.19 348 eP	P	21 07 54.7 +0.2
HHAR	Hobbs	22.24 352 eP	P	21 07 55.2 +0.2
U39A	Green Forest	22.28 353 P	P	21 07 55.7 +0.2
MNTX	Cornudas Mount	22.29 324 P	P	21 07 54.6 -1.0
MNTX	Cornudas Mount	22.29 324 eP	P	21 07 54.3 -1.3
U47A	Clarksville	22.30 6 P	P	21 07 57.1 +1.5
V52A	Sevierville	22.34 14 P	P	21 07 57.4 +1.2
V52A	Sevierville	22.34 14 eP	P	21 07 56.3 +0.1
V53A	Saluda	22.38 16 P	P	21 07 58.1 +1.6
V53A	Saluda	22.38 16 eP	P	21 07 58.0 +1.4
U48A	Cassie Pea, Po	22.45 8 P	P	21 07 59.0 +1.6
PBMO	Poplar Bluff	22.48 360 eP	P	21 07 57.4 -0.2
U49A	Red Boiling Sp	22.56 9 P	P	21 07 59.6 +1.1
U50A	Jamestown	22.63 11 P	P	21 08 00.3 +1.1
MSTX	Muleshoe	22.74 332 eP	P	21 08 01.1 +0.5
T42A	Van Buren	22.75 358 P	P	21 08 00.9 +0.5
T42A	Van Buren	22.75 358 eP	P	21 07 58.8 -1.6
U51A	La Follette	22.76 13 P	P	21 08 02.4 +1.7
T44A	Benton	22.79 1 P	P	21 08 02.3 +1.4
T46A	Princeton	22.83 5 P	P	21 08 02.5 +1.1
T47A	Sharon Grove	22.86 6 P	P	21 08 02.6 +1.1
T47A	Sharon Grove	22.86 6 eP	P	21 08 02.9 +1.4
T39A	Cleaver	22.90 353 P	P	21 08 02.4 +0.3
U52A	Thorn Hill	22.92 14 P	P	21 08 03.6 +1.3
TZTN	Tazewell	23.03 14 P	P	21 08 04.9 +1.5
TZTN	Tazewell	23.03 14 eP	P	21 08 05.4 +2.1
T38A	Diamond	23.03 352 P	P	21 08 03.6 +0.3
AMTX	Amarillo	23.05 335 P	P	21 08 02.9 -0.8
AMTX	Amarillo	23.05 335 eP	P	21 08 02.3 -1.4
T48A	Bowling Green	23.06 8 P	P	21 08 04.7 +1.0
U53A	Fall Branch	23.10 16 P	P	21 08 05.4 +1.3
T49A	Edmonton	23.18 9 P	P	21 08 05.8 +0.9
T49A	Edmonton	23.18 9 eP	P	21 08 06.0 +1.0
T50A	Nancy	23.22 11 P	P	21 08 05.8 +0.5
S43A	Fulton Ridge	23.27 0 P	P	21 08 06.0 +0.2
T51A	Gray	23.34 13 P	P	21 08 06.4 -0.1
S40A	Lebanon	23.39 355 P	P	21 08 06.1 -0.9
S44A	Carbondale	23.41 2 P	P	21 08 07.5 +0.3
SJG	San Juan	23.41 77 LR	LR	21 18 05.3
S45A	Carrier Mills	23.42 3 P	P	21 08 07.1 -0.1
SIUC	Southern Illin	23.43 2 eP	P	21 08 07.7 +0.3
S42A	Caledonia	23.48 359 P	P	21 08 07.4 -0.4
S46A	Don Dixon Farm	23.49 5 P	P	21 08 08.6 +0.7
S39A	Bolivar	23.55 354 P	P	21 08 07.6 -1.0
S39A	Bolivar	23.55 354 eP	P	21 08 08.1 -0.5
S38A	Stockton	23.56 353 P	P	21 08 07.5 -1.2
S48A	Wiedeman Farm,	23.64 8 P	P	21 08 10.0 +0.6
T52A	Halle	23.70 14 P	P	21 08 10.5 +0.6
USIN	University of	23.77 5 eP	P	21 08 12.0 +1.4
CCM	Cathedral Cave	23.77 358 P	P	21 08 10.4 -0.2
CCM	Cathedral Cave	23.77 358 eP	P	21 08 11.8 +1.1
MTP	Monte Pirata	23.97 77 eP	P	21 08 14.5 +1.8
R43A	Red Bud	23.98 1 P	P	21 08 12.5 0.0
R42A	Luebbering	23.98 359 P	P	21 08 12.2 -0.5
R41A	Rosebud	24.02 358 P	P	21 08 12.2 -0.8
R46A	Gibson Southern	24.03 5 P	P	21 08 13.2 +0.1
R45A	Skylar, Fairri	24.05 4 P	P	21 08 13.4 +0.2
R40A	Maddies Statio	24.06 356 P	P	21 08 12.8 -0.5
R40A	Maddies Statio	24.06 356 eP	P	21 08 13.4 +0.1
S51A	Beattyville	24.07 13 P	P	21 08 14.3 +0.9
S51A	Beattyville	24.07 13 eP	P	21 08 14.2 +0.7
R38A	Fenwick Farm	24.11 353 P	P	21 08 13.8 0.0

R39A	Chumby, Stover	24.14 355 P	P	21 08 13.9 -0.2
WCI	Wyandotte Cave	24.18 8 P	P	21 08 15.1 +0.7
WCI	Wyandotte Cave	24.18 8 eP	P	21 08 15.2 +0.8
ATAH	Atahualpa	24.22 150 P	P	21 08 15.9 +0.4
121A	Cookes Peak, D	24.30 322 P	P	21 08 14.3 -1.5
SLM	Saint Louis	24.33 360 eP	P	21 08 15.8 -0.1
R48A	Northridge Nar	24.40 8 P	P	21 08 17.1 +0.6
OLIL	Olney	24.50 4 eP	P	21 08 17.1 -0.2
BLA	Blacksburg	24.51 19 P	P	21 08 18.4 +0.9
BLA	Blacksburg	24.51 19 eP	P	21 08 19.0 +1.4
Q44A	Meyer Farm, V	24.62 2 P	P	21 08 18.9 +0.4
Q43A	New Douglas	24.64 1 P	P	21 08 19.4 +0.7
Q45A	Warren Harvey,	24.66 4 P	P	21 08 18.9 +0.1
Q41A	Truxton	24.67 358 P	P	21 08 19.9 +1.0
BNM	Barren Site	24.81 326 eP	P	21 08 17.6 -3.0
Q38A	Cooks Store, C	24.84 354 P	P	21 08 21.2 +0.7
Q47A	Bedford North L	24.86 7 P	P	21 08 21.3 +0.7
Q37A	Longview Farm,	24.86 352 P	P	21 08 21.0 +0.4
Q39A	Willow Grove F	24.86 355 P	P	21 08 21.3 +0.6
Q48A	North Vernon	24.94 8 P	P	21 08 22.1 +0.7
R52A	Cattletsburg	24.95 14 P	P	21 08 22.3 +0.8
Q50A	Gettobourg	24.95 11 P	P	21 08 23.6 +0.3
P44A	Sand Creek, Wi	25.20 3 P	P	21 08 24.6 +0.9
P40A	Paradise	25.28 357 P	P	21 08 24.4 0.0
P40A	Paris	25.28 357 eP	P	21 08 23.8 -0.7
P42A	Winchester	25.28 360 eP	P	21 08 24.6 +0.2
P45A	Graceland, Par	25.32 4 P	P	21 08 25.1 +0.3
P45A	Graceland, Par	25.32 4 eP	P	21 08 25.2 +0.5
ANMO	Albuquerque	25.33 327 LR	LR	21 21 12.4
P43A	Skaggs, Pawnee	25.34 1 P	P	21 08 25.5 +0.6
P41A	Barry, Barry	25.38 358 P	P	21 08 24.9 -0.4
P47A	Marionville	25.42 7 P	P	21 08 26.6 +0.9
KSU1	Kansas State U	25.44 348 P	P	21 08 25.7 -0.2
P46A	Rosedale	25.45 5 P	P	21 08 26.4 +0.5
Q51A	Peebles	25.45 12 P	P	21 08 26.9 +0.9
P38A	Dawn	25.49 354 P	P	21 08 26.1 -0.2
P48A	Milroy	25.50 9 P	P	21 08 27.3 +0.9
P37A	Lathrop	25.55 353 P	P	21 08 27.0 +0.2
O41A	Pasleys Farm,	25.82 359 P	P	21 08 29.9 +0.6
O40A	La Belle	25.86 357 P	P	21 08 28.9 -0.8
O44A	Manfield	25.89 3 P	P	21 08 29.7 -0.2
CBK5	Cedar Bluff	25.92 343 P	P	21 08 29.0 -1.3
CBK5	Cedar Bluff	25.92 343 eP	P	21 08 28.8 -1.5
P50A	Jamestown	25.92 11 P	P	21 08 30.3 +0.1
O38A	Gall	25.98 354 P	P	21 08 30.4 -0.3
O45A	Potomac	26.03 4 P	P	21 08 31.2 0.0
TUC	Tucson	26.04 317 P	P	21 08 30.1 -1.5
TUC	Tucson	26.04 317 eP	P	21 08 30.4 -1.2
T25A	Trinidad	26.12 334 P	P	21 08 30.9 -1.5
T25A	Trinidad	26.12 334 eP	P	21 08 32.0 -0.4
O47A	Sheridan	26.17 7 P	P	21 08 32.1 -0.4
SFIN	Lafayette	26.21 5 P	P	21 08 32.8 -0.1
SFIN	Lafayette	26.21 5 eP	P	21 08 34.8 +1.9
HDIL	Hopedale	26.26 2 P	P	21 08 33.7 +0.4
HDIL	Hopedale	26.26 2 eP	P	21 08 32.6 -0.7
O48A	Farmland	26.32 9 P	P	21 08 34.3 +0.4
O49A	Covington	26.39 10 P	P	21 08 35.1 +0.6
O50A	Cable	26.48 11 P	P	21 08 35.8 +0.5
N42A	Yates City	26.52 0 P	P	21 08 36.1 +0.4
N44A	Piper City	26.55 3 P	P	21 08 36.5 +0.6
N38A	Joess South For	26.62 355 P	P	21 08 36.3 -0.3
N45A	Kentland	26.65 5 P	P	21 08 36.8 0.0
N39A	Derby Farms, D	26.65 356 P	P	21 08 36.7 -0.1
N39A	Derby Farms, D	26.65 356 eP	P	21 08 35.3 -1.5
N43A	Stutzman Famil	26.65 2 P	P	21 08 37.7 +0.9
N46A	Monticello	26.76 6 P	P	21 08 38.5 +0.7
M41A	Milan	26.88 307 359 P	P	21 08 40.3 -0.3
M44A	Midewin, Midew	27.15 4 P	P	21 08 41.4 +0.2
M44A	Midewin, Midew	27.15 4 eP	P	21 08 41.5 +0.2
M43A	Waltham Townsh	27.15 2 P	P	21 08 41.0 -0.3
M45A	Boilermakers S	27.20 5 P	P	21 08 42.6 +0.8
M39A	Webster	27.23 357 P	P	21 08 42.4 +0.4
M38A	Pleasantville	27.24 355 P	P	21 08 42.0 -0.1
L42A	Oliver, Polo	27.70 1 P	P	21 08 46.6 +0.3
L42A	Oliver, Polo	27.70 1 eP	P	21 08 44.8 -1.5
L41A	Preston	27.77 360 P	P	21 08 47.1 +0.3
L40A	Anamosa	27.77 358 P	P	21 08 47.1 +0.3
L40A	Anamosa	27.77 358 eP	P	21 08 46.4 -0.5
L39A	Vinton	27.86 357 P	P	21 08 47.8 +0.1
L43A	Garden Prairie	27.91 2 P	P	21 08 48.6 +0.6
K41A	Shullsburg	28.30 360 P	P	21 08 51.9 +0.3
K43A	Burlington	28.44 3 P	P	21 08 53.1 +0.3
K43A	Burlington	28.44 3 eP	P	21 08 52.4 -0.5
WUJAZ	Wurki	28.51 322 P	P	21 08 52.3 -1.5

JFWS	Jewell Farm	28.61 360 P	P	21 08 54.6 +0.2
JFWS	Jewell Farm	28.61 360 eP	P	21 08 55.6 +1.2
J42A	Colunbus	29.03 2 P	P	21 08 57.9 -0.1
J39A	Decorah	29.06 358 P	P	21 08 58.0 -0.3
J41A	Loganville	29.06 0 P	P	21 08 59.0 +0.7
PV03	Paradox Valley	29.10 329 eP	P	21 08 58.7 -0.3
J43A	Natural Harves	29.11 3 P	P	21 08 59.3 +0.5
PV18	Skein Mesa, Pa	29.13 329 eP	P	21 08 58.4 -0.8
PV12	Saucer Basin,	29.13 329 eP	P	21 08 56.7 -2.6
PDMC	Parker Dam, Lak	29.48 317 P	P	21 09 00.8 -1.4
I39A	Houston	29.57 358 P	P	21 09 02.9 +0.1
I42A	Draeger Farm,	29.60 2 P	P	21 09 03.7 +0.5
I42A	Draeger Farm,	29.60 2 eP	P	21 09 02.6 -0.5
I43A	Langenfeld Brn	29.63 3 P	P	21 09 03.5 +0.1
I41A	Arkdale	29.75 0 eP	P	21 09 03.5 -1.0
I38A	Scanlan Farm,	29.79 357 P	P	21 09 04.8 0.0
ECSD	EROS Data Cent	29.94 351 P	P	21 09 05.9 -0.2
ECSD	EROS Data Cent	29.94 351 eP	P	21 09 06.6 +0.5
H42A	Shiocton	30.23 2 P	P	21 09 09.2 +0.5
H42A	Shiocton	30.23 2 eP	P	21 09 08.9 +0.1
H41A	Junction City	30.31 1 eP	P	21 09 07.6 -1.8
H40A	Chili	30.32 360 P	P	21 09 10.1 +0.7
H37A	Dierke Farm, C	30.36 356 P	P	21 09 10.1 +0.3
H38A	Madie Rock	30.42 357 P	P	21 09 10.3 0.0
H36A	Jessenland, He	30.44 355 P	P	21 09 10.6 +0.1
XPFO	Pleasant Flat	30.67 314 eP	P	21 09 11.7 -1.2
PYFO	Pinyon Flats O	30.67 314 eP	P	21 09 09.4 -3.4
G38A	Ridgeand	30.89 358 P	P	21 09 15.2 +0.7
G40A	Rib Lake	30.96 360 eP	P	21 09 15.6 +0.4
G42A	Mountain	30.97 2 P	P	21 09 15.9 +0.6
G42A	Mountain	30.97 2 eP	P	21 09 16.2 +1.0
G39A	Holcombe	30.99 359 P	P	21 09 15.9 +0.5
SPMN	Marion Stn,	31.00 356 eP	P	21 09 16.0 +0.5
G43A	Wallace	31.02 3 P	P	21 09 16.0 +0.3
MSU	Madieville	31.05 325 eP	P	21 09 15.3 -1.0
G34A	Benson	31.28 353 P	P	21 09 18.0 +0.1
F43A	Flat Rock, Esc	31.63 4 P	P	21 09 21.3 +0.6
F38A				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IVI Wigtul, PLCA Paso Flores, PLCA Paso Flores, SFJ Kangerlussuaq, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TRN 16:21:09:10.8, PCM Pelee Case Pet, PCM Pelee Case Pet, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like n17, 05f41/31, Taiwan region, HGSD Ruisui, HGSD Ruisui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 16:21:14:26.3, IDC 16:21:14:29.9, IDC 16:21:14:30.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 16:21:14:49.2, NEIC 16:21:14:51.6, IDC 16:21:14:52.3, etc.

ellipse: s-maj=14.6km s-min=7.3km az=102.3
ISCJB 16:21:18:0.1,0.3,23:11S:0.03,68.66W,0.05,h96km,2km,
mb4.6/95, Error ellipse: s-maj=7.3km s-min=4.5km
az=154.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB04 IPOC Station P, PB04 IPOC Station P, etc.

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

ISCJB 16:21:27:0.1,0.9,23:32N:0.06:122:43E:0.04, h22km,7km,
Error ellipse: s-maj=11.0km s-min=3.5km az=152.5
TAP 16:21:27:0.1,0.3,34N:122:40E,h17km,2km,ML3.1,D
JMA 16:21:27:0.1,0.3,34N:122:43E,h25km,ML2

MOS 16:21:18:07:0.1,0.23:19S:68:78W,h78km,mb5.0/18, Error

ISC 16:21:18:10.4,0.3,23:28S:0.04:68:89W,0.05,h100km,2km,
h100km:pp-P,n398,r126/436,mb4.6/98,8C-2D,Northern
Chile

HKT	Hockley	58.92 333	eP	P	21 28 00.1 +1.1
HKT	comp=Z,5.0nm,0.4s		pmax	pmax	
Z48A	Northport	59.08 342	P	P	21 27 58.7 -1.4
833A	Chaparral WMA, baz=147	59.14 329	P	P	21 28 00.3 -0.3
833A	Chaparral WMA, comp=Z,17nm,0.8s	59.14 329	eP	P	21 28 00.4 -0.3
X51A	Calhoun baz=163	59.49 345	P	P	21 28 02.4 -0.6
X50B	Fort Payne baz=162	59.59 344	P	P	21 28 02.2 -1.5
Y47A	UCFARC, Winfie baz=160	59.66 342	P	P	21 28 02.9 -1.2
W53A	Cullowhee	59.69 346	P	P	21 28 03.4 -1.0
X48A	Hartselle baz=161	59.95 343	P	P	21 28 04.4 -1.7
W50A	Signal Mountai baz=163	60.21 345	P	P	21 28 06.7 -1.2
W50A	Signal Mountai comp=Z,12nm,1.1s	60.21 345	eP	P	21 28 07.0 -0.9
CPCT	Cooper Cave	60.26 345	eP	P	21 28 07.7 -0.5
W49A	Belvidere	60.37 344	P	P	21 28 07.5 -1.5
V52A	Sevierville	60.42 346	eP	pP	21 28 33.9 -0.2
V51A	Loudon	60.56 346	eP	P	21 28 08.7 -1.5
W48A	Pulaski baz=161	60.57 343	P	P	21 28 09.1 -1.2
SNA4	Snaae	60.60 161	P	P	21 28 10.3 +0.1
SNA4	Snaae	60.60 161	P	P	21 28 10.2 -0.1
SNA4	comp=Z,18nm,1.0s,baz=279,slow=7.4,SNR=31		pP	pP	21 28 35.4 +0.4
SNA4	Snaae	60.60 161	eP	P	21 28 10.5 +0.2
SNA4	Snaae	60.60 161	eP	pP	21 28 35.4 +0.4
SNA4	Pikeville	60.61 345	P	P	21 28 10.4 +0.1
V50A	Pikeville baz=163,SNR=6.6	60.61 345	P	P	21 28 09.0 -1.6
OXF	Oxford	60.69 341	P	P	21 28 09.6 -1.5
U53A	Fall Branch	60.72 347	P	P	21 28 09.8 -1.5
W47A	Westport	60.85 343	P	P	21 28 10.5 -1.7
V49A	McMinnville	60.89 344	P	P	21 28 10.9 -1.6
V48A	Smith Brothers	61.10 343	P	P	21 28 12.9 -1.0
V48A	Smith Brothers	61.10 343	eP	pP	21 28 13.1 -0.9
V48A	JCT	61.14 330	P	P	21 28 12.7 -1.6
U50A	Jamestown	61.26 345	P	P	21 28 14.0 -1.0
V46A	Holladay	61.51 342	P	P	21 28 15.5 -1.2
U49A	Red Boiling Sp	61.57 345	P	P	21 28 15.8 -1.3
T51A	Gray	61.58 346	P	P	21 28 15.2 -1.9
WVT	Waverly	61.74 343	P	P	21 28 16.5 -1.7
U48A	Cassie Pea, Po	61.76 344	P	P	21 28 17.1 -1.3
X40A	Basin Creek Fa	61.79 338	P	P	21 28 17.3 -1.3
T50A	Nancy	61.83 346	P	P	21 28 17.6 -1.3
U47A	Clarksville	61.89 343	P	P	21 28 17.5 -1.7
U46A	Springville	62.05 342	P	P	21 28 18.7 -1.6
T49A	Edmonton	62.08 345	P	P	21 28 19.0 -1.4
T49A	Edmonton	62.08 345	eP	P	21 28 19.6 -0.8
T49A	Lajitas Ar. Si	62.10 326	eP	pP	21 28 44.9 -0.4
TX31	Lajitas Arroy	62.10 326	eP	P	21 28 19.9 -0.9
TXAR	comp=Z,2.1nm,0.9s,baz=144,slow=7.8,SNR=18		pP	pP	21 28 19.9 -1.0
TXAR	comp=Z,2.0,8nm,0.7s,baz=156,slow=6.9,SNR=3.9		pP	pP	21 28 46.2 +0.5
MIAR	Mount Ida	62.11 337	P	P	21 28 19.8 -0.9
MIAR	Mount Ida	62.11 337	eP	P	21 28 20.5 -0.2
MIAR	Mount Ida	62.11 337	eP	pmax	21 28 20.5 -0.2
MIAR	comp=Z,7.0nm,0.9s		pmax	pmax	
W41B	Gary Mavity, V	62.21 338	P	P	21 28 20.3 -1.1
X39A	Fountain Ranch	62.27 337	P	P	21 28 21.1 -0.7
T48A	Bowling Green	62.29 344	P	P	21 28 21.2 -0.7
T47A	Sharon Grove	62.36 344	eP	pP	21 28 21.4 -0.9
T47A		62.36 344	eP	pP	21 28 46.8 -0.4
T47A		62.36 344	eP	pP	21 28 27.7 -0.7
W40A	Ferguson Farm, baz=155	62.51 338	P	P	21 28 22.9 +0.2
W40A	Ferguson Farm, comp=Z,15nm,1.0s	62.51 338	eP	P	21 28 22.3 -1.8
T46A	Princeton	62.62 343	P	P	21 28 22.3 -1.8
S48A	Wiedeman Farm, baz=162,SNR=5.4	62.73 345	P	P	21 28 22.7 -2.1
V41A	Mountainview	62.74 339	P	P	21 28 23.3 -1.6
W39A	Magazine	62.77 337	P	P	21 28 24.7 -0.3
U42A	Revsden	62.96 340	P	P	21 28 25.5 -0.8
V40A	Witts Springs	62.98 338	P	P	21 28 24.8 -1.7
T44A	Benton	63.13 342	P	P	21 28 26.2 -1.3
U41A	Viola	63.17 339	P	P	21 28 26.3 -1.4
S46A	Don Dixon Farm	63.17 343	P	P	21 28 25.9 -1.9
V39A	Pettigrew	63.29 338	P	P	21 28 27.7 -1.0
WC1	Wyandotte Cave	63.33 345	P	P	21 28 27.4 -1.3
T43A	Greenville	63.34 341	P	P	21 28 27.3 -1.5
S45A	Carrier Mills	63.40 343	P	P	21 28 28.0 -1.2
U40A	Yellville	63.49 339	P	P	21 28 28.3 -1.5
T42A	Van Buren	63.53 340	P	P	21 28 28.3 -1.8
T42A	Van Buren	63.53 340	eP	P	21 28 28.9 -1.3
U39A	Green Forest	63.73 338	P	P	21 28 30.3 -1.1
S43A	Fulton Ridge,	63.73 341	P	P	21 28 30.1 -1.3
T41A	Mountain View	63.76 340	P	P	21 28 30.6 -1.0
O56A	Blue Knob Stat	63.86 352	eP	P	21 28 33.0 +0.8
R45A	Skylar, Fairri	63.90 343	P	P	21 28 30.8 -1.6
P50A	Jamestown	64.09 347	P	P	21 28 32.2 -1.5
PAL	Palisades	64.12 356	eP	P	21 28 34.2 +0.3
PAL	Palisades	64.12 356	eP	pmax	21 28 34.2 +0.3
PAL	comp=Z,2.9nm,1.0s		pmax	pmax	
TUL1	Leonard	64.14 336	P	P	21 28 33.3 -0.8
FVM	French Village	64.21 341	eP	pP	21 28 34.4 -0.2
FVM	French Village	64.21 341	eP	pP	21 29 00.4 +0.9
FVM	French Village	64.21 341	eP	pP	21 28 34.4 -0.2
FVM	French Village	64.21 341	eP	pP	21 29 00.4 +0.9
P49A	Miami Univ, Ec	64.25 346	P	P	21 28 32.3 -2.2
S41A	Jilco Farms,	64.25 340	P	P	21 28 33.5 -1.3
T39A	Cleaver	64.27 338	P	P	21 28 33.4 -1.5

WMOK	Wichita Mounta baz=150	64.30 333	P	P	21 28 32.8 -2.4
S40A	Lebanon	64.50 339	P	P	21 28 35.5 -1.0
CCM	Cathedral Cave	64.53 341	P	P	21 28 36.2 -0.3
R42A	Luebbering	64.60 341	P	P	21 28 35.7 -1.4
T38A	Diamond	64.60 338	P	P	21 28 35.7 -1.4
R41A	Rosebud	64.79 341	P	P	21 28 37.0 -1.3
S39A	Bolivar	64.86 339	P	P	21 28 37.5 -1.3
S39A	Bolivar	64.86 339	eP	P	21 28 38.0 -0.8
S39A	comp=Z,12nm,0.9s		eP	P	21 29 04.3 +0.6
S39A	Rosedale	64.87 344	eP	pP	21 28 37.1 -1.7
MNTX	Cornudas Mount baz=143	64.87 326	P	P	21 28 38.2 -0.8
MNTX	Cornudas Mount comp=Z,6.6nm,1.0s	64.87 326	eP	P	21 28 38.3 -0.7
S38A	Stockton	65.00 338	P	P	21 28 38.7 -0.9
R40A	Maddies Statio	65.06 340	P	P	21 28 38.8 -1.3
R40A	Maddies Statio	65.06 340	eP	P	21 28 39.1 -0.9
Q42A	Golden Eagle	65.10 342	P	P	21 28 38.9 -1.4
NVL	N'Azarevskaya	65.17 159	eP	P	21 28 41.5 +1.1
NVL	N'Azarevskaya	65.17 159	eS	P	21 38 03.7 -3.6
O47A	Sherridan	65.21 345	P	P	21 28 40.1 -0.9
M54A	Oil Creek Stat	65.23 351	P	P	21 28 40.6 -0.5
R39A	Chumby, Stover	65.33 339	P	P	21 28 40.9 -0.9
Q41A	Truxton	65.35 341	P	P	21 28 40.4 -1.5
MSTX	Muleshoe	65.43 329	P	P	21 28 41.9 -0.7
MSTX	Muleshoe	65.43 329	eP	P	21 28 42.5 -0.2
BINY	Binghamton	65.48 354	P	P	21 28 42.7 0.0
R38A	Fenwick Farm,	65.50 339	P	P	21 28 41.8 -1.1
P42A	Winchester	65.67 342	P	P	21 28 43.1 -0.9
P41A	Barry, Barry	65.96 341	P	P	21 28 44.9 -1.0
Q39A	Willow Grove F	65.97 340	P	P	21 28 44.8 -1.2
Q38A	Cooks Store, C	66.10 339	P	P	21 28 45.7 -1.1
N45A	Kentland	66.11 345	P	P	21 28 46.3 -0.5
P40A	Paris	66.13 341	P	P	21 28 45.6 -1.2
N44A	River Ciper Ci	66.21 344	P	P	21 28 46.3 -1.1
P39B	Salsbury	66.31 340	P	P	21 28 46.8 -1.3
P38A	Dawn	66.68 339	P	P	21 28 49.1 -1.3
319A	Douglas	66.71 343	eP	P	21 28 52.3 +1.4
N42A	Yates City	66.74 343	P	P	21 28 49.1 -1.7
P37A	Lathrop	66.91 339	P	P	21 28 50.4 -1.5
QSPA	South Pole Qui	66.92 180	P	P	21 28 52.7 +0.9
QSPA	comp=Z,1.4nm,0.5s,baz=148,slow=2.6,SNR=39		pP	pP	21 29 19.0 -0.7
QSPA	comp=Z,6.6nm,0.7s,baz=129,slow=3.6,SNR=4.0		LR	LR	21 57 54.7
QSPA	comp=Z,5.2nm,18.3s,baz=141,slow=36		LR	LR	21 57 54.7
QSPA	South Pole Qui	66.92 180	eP	P	21 28 52.4 +0.5
QSPA	comp=Z,1.1nm,0.9s		pP	pP	21 29 19.0 -0.7
M43A	Waltham Townsh	67.03 344	pP	pP	21 28 50.8 -1.7
Q38A	Galt	67.11 340	P	P	21 28 52.1 -1.1
N40A	Mieruake, Sal	67.23 342	P	P	21 28 53.3 -0.6
N39A	Derby Farms, D	67.50 341	P	P	21 28 54.2 -1.3
LENM	Lemlar	67.64 326	eP	P	21 28 57.9 +1.1
N38A	Joess South For	67.65 340	P	P	21 28 55.7 -0.8
L43A	Garden Prairie	67.67 344	P	P	21 28 55.3 -1.3
N37A	Lee Faris, Mou	67.92 339	P	P	21 28 57.3 -1.0
N37A	Lee Faris, Mou	67.92 339	eP	P	21 28 58.1 -0.1
TASL	Snake Pit, Alb	68.00 327	P	P	21 28 59.3 +0.2
ANMO	Albuquerque	68.00 327	P	P	21 28 59.7 +0.6
ANMO	comp=Z,6.2nm,0.8s,baz=142,slow=8.3,SNR=16		pP	pP	21 29 25.4 +0.8
ANMO	Albuquerque	68.00 327	eP	pP	21 29 59.7 +0.7
ANMO	Albuquerque	68.00 327	eP	P	21 28 59.8 +0.7
ANMO	Albuquerque	68.00 327	eP	pP	21 28 59.8 +0.7
ANMO	Albuquerque	68.00 327	eP	pP	21 29 25.4 +0.8
ANMO	Albuquerque	68.00 327	eP	pP	21 28 59.2 +0.1
TASM	ASL, Pad, Albuq	68.00 327	P	P	21 28 59.4 +0.3
L41A	Preston	68.03 343	P	P	21 28 58.1 -0.8
K43A	Burlington	68.06 345	P	P	21 28 58.2 -0.9
M38A	Pleasantville	68.20 341	P	P	21 28 58.4 -1.5
PKME	Peaks-Kenny Pk	68.21 360	P	P	21 28 59.7 -0.2
L40A	Anamosa	68.22 342	P	P	21 28 58.6 -1.4
N36A	Muff Farm, Cla	68.22 339	P	P	21 28 58.8 -1.3
TUC	Tucson	68.25 322	eP	P	21 29 01.8 +1.2
TUC	Tucson	68.25 322	eP	pmax	21 29 01.8 +1.2
TUC	comp=Z,12nm,1.1s		pmax	pmax	
K42A	Prairie Point,	68.38 344	P	P	21 28 59.6 -1.5
M37A	Trindle Farm,	68.46 340	P	P	21 29 00.9 -0.7
K41A	Shultsburg	68.47 343	P	P	21 29 00.4 -1.2
L39A	Vinton	68.50 342	P	P	21 29 00.5 -1.3
K40A	Colesburg	68.78 343	P	P	21 29 02.1 -1.5
LIC	Lamto	68.88 73	eP	P	21 29 02.5 -2.3
K39A	Oelwein	69.00 342	P	P	21 29 03.2 -1.7
TIC	Tomoddi	69.08 73	eP	P	21 29 04.2 -1.9
KIC	Kosan Boka	69.19 73	eP	P	21 29 05.8 -0.9
DBIC	Dimbokro	69.23 73	eP	P	21 29 06.5 -0.5
DBIC	comp=Z,10nm,0.8s,baz=214,slow=8.8,SNR=8.8		pP	pP	21 29 30.9 +0.8
I42A	Draeger Farm	69.32 345	P	P	21 29 06.1 -0.7
X18A	Snowflake	69.47 325	eP	P	21 29 09.8 +1.6
J39A	Decorah	69.53 342	P	P	21 29 07.1 -1.0
H43A	Whitewep, Lux	69.60 346	P	P	21 29 07.3 -1.3
J38A	Wedel Dairy, R	69.73 342	P	P	21 29 08.6 -0.9
SDCO	Great Sand Dun	69.78 330	P	P	21 29 10.7 +0.5
SDCO	Great Sand Dun	69.78 330	eP	P	21 29 10.7 +0.5
W18A	Petrified Fore	69.81 325	P	P	21 29 10.1 -0.2

W18A	Petrified Fore	69.81 325	eP	P	21 29 10.8 +0.5
X16A	Lo Mita Camp, P	70.19 342	eP	P	21 29 14.2 +1.6
I38A	Scanlan Farm,	70.36 324	P	P	21 29 12.2 -1.0
H40A	Chil	70.38 344	P	P	21 29 12.2 -1.1
Y14A	Wickenburg	70.70 322	eP		

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TLY Talaya, JOW Kunigami, KURB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PAU Pauzhetka, KDR Khodutka, ASAK Asacha, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ELZG Elazig, MALT Malatya, SVRC Sivrice-ELAZID, etc.

MAN 17 00:46:49.1, 13:10N:120:48E, h33km, mb4.5, ML3.3, MS3.2, Mindoro. Code Station Name Az Az2 Phase ID Time Res h m s ISC.

IDC 17 01:00:35.2, 0.7, 47:55S:32:37E, h0km, mb4.0/9, mb1.4/11, mb1mx3.9/47, mbtmp4.1/11, ML4.1/2, MS3.4/7, Ms1.3/47, ms1mx3.1/48, Error ellipse: s-maj=36.7km s-min=15.2km az=72.0.

NEIC 17 01:00:37.0, 0.4, 47:51S:32:32E, h10km, mb4.4/11, Error ellipse: s-maj=23.2km s-min=8.5km az=67.0.

ISC 17 01:00:36.2, 0.6, 47:41S:09:32E, h10km, n33, s1996/30, mb4.2/14, MS3.4/5, 2D, PRSC Edward Islands region. Code Station Name Az Az2 Phase ID Time Res h m s ISC.

s-maj=27.2km s-min=14.0km az=48.0
WEL 17 01:35:15.7.38 S.3.17 6E.1 h300km,6km
ISC 17 01:35:15.7-0.6.37.90S.0.05:176.05E.0.05,h300km,5km,
n298,.01939/328,mb4.0,North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their associated data points.

Table with columns: MHGZ, Mahia Peninsula, 1.92 131 P, Pn, 01 36 01.7 -0.4. Lists stations like Cape Kidnapper, Cape Kidnapper, Durham Road, etc.

Table with columns: APZ, The Paps, 10.73 211 ePn, Pn, 01 37 43.1 +0.5. Lists stations like The Paps, The Paps, Mont Dzumac, etc.

JTS	comp=N,44nm,18.8s,baz=176,slow=34	LR	LR	02 54 52.4
SVB Belmont	34.20 14 eP	P	P	02 42 07.8 -2.3
RCBR Riechle	35.27 71 eP	P	P	02 42 18.4 -1.1
OBIP Obispo Ponce	38.14 4 eP	P	P	02 42 42.2 -1.3
SJG San Juan	38.24 5 P	P	P	02 42 43.1 -1.3
SJG San Juan	38.24 5 eP	P	P	02 42 42.8 -1.6
MTP Monte Pirata	38.27 5 eP	P	P	02 42 43.6 -1.1
CBYF Canovanas	38.42 5 eP	P	P	02 42 44.3 -1.7
AOPR Arecibo Observ	38.43 4 eP	P	P	02 42 44.0 -2.0
ABVI Anegada Island	39.02 7 eP	P	P	02 42 48.9 -2.1
059Z Ave Maria	47.84 345 P	P	P	02 44 02.9 +1.2
060A Indiantown	48.27 346 P	P	P	02 44 06.1 +1.2
LNIG Linares	53.74 325 eP	P	P	02 44 43.9 -2.1
ZAIG Zacatecas	53.82 321 eP	P	P	02 44 49.1 +2.1
RGRS Roger Stewart	53.92 348 eP	P	P	02 44 48.2 +1.1
NHSC New Hope	54.11 349 P	P	P	02 44 48.9 +0.4
NHSC New Hope	54.11 349 eP	P	P	02 44 49.3 +0.8
349A Repton	54.17 341 P	P	P	02 44 48.9 -0.1
251A Midway	54.35 343 P	P	P	02 44 49.7 -0.6
347A Saraland	54.65 340 P	P	P	02 44 52.4 0.0
152A Waverly Hall	54.71 344 P	P	P	02 44 52.7 -0.2
Z54A Sparta	54.79 346 P	P	P	02 44 53.1 -0.3
346A Big Creek Wild	54.95 339 P	P	P	02 44 54.6 0.0
150A Eclectic	55.01 343 P	P	P	02 44 54.7 -0.3
248A Dixon Mills	55.03 341 P	P	P	02 44 55.0 -0.3
Z52A Williamson	55.13 344 P	P	P	02 44 55.7 -0.2
149A Jones	55.22 342 P	P	P	02 44 55.9 -0.6
Y54A Tignall	55.36 346 P	P	P	02 44 57.2 -0.3
Y53A Monroe	55.56 345 P	P	P	02 44 58.4 -0.5
Z50A Ashland	55.59 343 P	P	P	02 44 58.7 -0.5
Z50A Ashland	55.59 343 eP	P	P	02 44 58.9 -0.3
Z50A Ashland	55.59 343 eP	P	P	02 45 25.2 +0.7
Y52A Liburn	55.68 345 eP	P	P	02 44 59.1 -0.7
245A Little AP, Sta	55.68 339 P	P	P	02 44 59.6 -0.3
LRAL Lakeview Retre	55.69 342 P	P	P	02 44 59.3 -0.6
Z49A Columbiana	55.70 342 P	P	P	02 44 59.5 -0.5
Y51A Rockmart	55.97 344 P	P	P	02 45 01.5 -0.4
342A Flagon Creek P	55.97 336 P	P	P	02 45 02.5 +0.6
342A Flagon Creek P	55.97 336 eP	P	P	02 45 01.4 -0.5
X53A Estanolle	56.11 346 P	P	P	02 45 02.4 -0.5
Y50A Piedmont	56.14 343 P	P	P	02 45 02.9 -0.2
Z47A Carrollton	56.16 341 P	P	P	02 45 02.2 -1.1
Z48A Northport	56.17 341 P	P	P	02 45 02.3 -1.0
Y49A Blount Mountai	56.29 343 P	P	P	02 45 04.1 -0.1
X52A Dahlonega	56.34 345 P	P	P	02 45 04.3 -0.3
X51A Calhoun	56.55 344 P	P	P	02 45 05.8 -0.1
X50B Fort Payne	56.65 344 P	P	P	02 45 06.5 -0.3
W53A Cullowhee	56.72 346 P	P	P	02 45 07.1 -0.2
Y47A UCPARC, Winfie	56.75 341 P	P	P	02 45 06.9 -0.5
X49A Woodville	56.88 343 P	P	P	02 45 07.8 -0.5
X48A Hartselle	57.03 342 P	P	P	02 45 08.8 -0.6
X48A Hartselle	57.03 342 eP	P	P	02 45 09.2 -0.2
Y46A Houston	57.04 340 P	P	P	02 45 08.7 -0.8
W51A Cleveland	57.09 345 P	P	P	02 45 09.4 -0.4
240A Hunter Patters	57.12 335 P	P	P	02 45 09.4 -0.7
V53A Saluda	57.12 347 P	P	P	02 45 09.8 -0.3
Z43A Armstrong Fami	57.22 338 P	P	P	02 45 10.6 -0.1
Y45A Yeager Farm, C	57.24 340 P	P	P	02 45 10.7 -0.2
W50A Signal Mountai	57.26 344 P	P	P	02 45 10.7 -0.4
W50A Signal Mountai	57.26 344 eP	P	P	02 45 10.9 -0.2
X47A Russellville	57.32 342 P	P	P	02 45 10.5 -1.0
TKL Tuckaleechee C	57.33 346 P	P	P	02 45 10.7 -0.8
TKL Tuckaleechee C	57.33 346 eP	P	P	02 45 10.7 -0.8
W49A Belvidere	57.44 343 P	P	P	02 45 11.6 -0.7
SWET Seawnee	57.44 344 eP	P	P	02 45 12.1 -0.2
SWET Sevierville	57.46 346 eP	P	P	02 45 40.9 +3.1
V52A Sevierville	57.46 346 eP	P	P	02 45 11.8 -0.7
V52A Sevierville	57.46 346 eP	P	P	02 45 12.4 0.0
Y44A Strider, Charl	57.55 339 eP	P	P	02 45 39.0 +1.1
X46A Booneville	57.58 341 P	P	P	02 45 12.3 -1.0
V51A Loudon	57.60 345 P	P	P	02 45 12.8 -0.6
W48A Pulaski	57.64 343 P	P	P	02 45 13.1 -0.6
V50A Pikeville	57.66 345 P	P	P	02 45 13.5 -0.3
X45A UM Field Stati	57.71 340 P	P	P	02 45 13.3 -0.9
OXF Oxford	57.80 340 P	P	P	02 45 13.7 -1.1
PLAL Pickwick Lake	57.82 342 eP	P	P	02 45 14.2 -0.7
W47A Westpoint	57.93 342 P	P	P	02 45 14.9 -0.8
U52A Thorn Hill	57.94 346 P	P	P	02 45 14.6 -1.2
V49A McMinnville	57.95 344 P	P	P	02 45 15.2 -0.7
Z40A Long Farm, Mag	58.06 336 P	P	P	02 45 17.5 +0.8
U51A La Follette	58.07 346 P	P	P	02 45 16.6 -0.1
TZTN Tazewell	58.12 346 P	P	P	02 45 16.8 -0.3
BLA Blacksburg	58.15 349 P	P	P	02 45 17.6 +0.4
V48A Smith Brothers	58.17 343 P	P	P	02 45 16.9 -0.5
V48A Smith Brothers	58.17 343 eP	P	P	02 45 17.0 -0.4

U50A Jamestown	58.30 345 P	P	P	02 45 17.7 -0.6
W45A Hickory Valley	58.32 341 P	P	P	02 45 17.4 -1.0
IP05 Hopewell Churc	58.35 352 eP	P	P	02 45 20.1 +1.5
V47A Nunnely	58.45 342 P	P	P	02 45 18.4 -1.0
V46A Holladay	58.59 342 P	P	P	02 45 19.1 -1.3
T51A Gray	58.62 346 P	P	P	02 45 20.0 -0.7
U49A Red Boiling Sp	58.63 344 P	P	P	02 45 19.7 -0.8
Y40A Okolona	58.66 337 P	P	P	02 45 20.1 -0.8
WVT Waverly	58.82 342 P	P	P	02 45 20.8 -1.0
WVT Waverly	58.82 342 eP	P	P	02 45 21.0 -0.9
WVT Waverly	58.82 342 eP	P	P	02 45 21.1 -0.3
U48A Cassie Pea, Po	58.82 344 eP	P	P	02 45 21.2 -0.6
T50A Nancy	58.88 345 P	P	P	02 45 21.6 -0.6
U47A Clarksville	58.96 343 P	P	P	02 45 22.0 -0.9
T49A Edmonton	59.12 345 P	P	P	02 45 23.5 -0.5
T49A Edmonton	59.12 345 eP	P	P	02 45 23.6 -0.5
U46A Springville	59.13 342 P	P	P	02 45 23.5 -0.6
S51A Beattyville	59.18 347 P	P	P	02 45 23.8 -0.6
W42A Bald Knob	59.19 339 P	P	P	02 45 23.9 -0.5
MIAR Mount Ida	59.27 337 P	P	P	02 45 25.1 0.0
MIAR Mount Ida	59.27 337 eP	P	P	02 45 25.1 0.0
U45A Rockin P Farm,	59.29 342 P	P	P	02 45 24.6 -0.6
T48A Bowling Green	59.35 344 P	P	P	02 45 24.8 -0.7
W41B Gary Mavity, V	59.35 338 P	P	P	02 45 24.9 -0.7
S50A Richmond	59.40 346 P	P	P	02 45 25.3 -0.6
T47A Sharon Grove	59.42 343 P	P	P	02 45 25.3 -0.7
T47A Sharon Grove	59.42 343 eP	P	P	02 45 25.2 -0.2
T47A Sharon Grove	59.42 343 eP	P	P	02 45 26.2 +4.6
X39A Fountain Ranch	59.44 336 P	P	P	02 45 26.7 +0.5
U44B Burton Farm, H	59.46 341 P	P	P	02 45 25.9 -0.4
LTX Lajitas	59.52 325 eP	P	P	02 45 26.7 -0.3
TXAR Lajitas Array	59.52 325 P	P	P	02 45 26.7 -0.3
TXAR Lajitas Array	59.52 325 P	P	P	02 45 26.7 +0.1
W42A Cord	59.69 339 P	P	P	02 45 26.9 -0.5
W40A Ferguson Farm,	59.66 337 P	P	P	02 45 27.9 +0.2
W40A Ferguson Farm,	59.66 337 eP	P	P	02 45 28.3 +0.6
T46A Princeton	59.69 343 P	P	P	02 45 27.0 -0.9
S49A Springfield	59.71 345 P	P	P	02 45 27.0 -1.0
S48A Wiedeman Farm,	59.78 344 P	P	P	02 45 27.6 -0.9
R51A Hillsboro	59.82 347 P	P	P	02 45 28.0 -0.7
U43A Rector	59.82 340 P	P	P	02 45 28.1 -0.6
V41A Mountainview	59.87 338 P	P	P	02 45 28.4 -0.7
W39A Magazine	59.92 337 P	P	P	02 45 29.7 +0.2
W39A Magazine	59.92 337 eP	P	P	02 45 30.3 +0.8
S47A Hartford	59.93 344 P	P	P	02 45 29.1 -0.4
R50A Paris	59.96 346 P	P	P	02 45 29.4 -0.3
U42A Revenden	60.07 339 P	P	P	02 45 29.8 -0.6
V40A Witts Springs	60.12 338 P	P	P	02 45 30.5 -0.4
V40A Witts Springs	60.12 338 eP	P	P	02 45 30.7 -0.2
ABTX Abilene, Hawle	60.16 330 P	P	P	02 45 31.6 +0.4
R49A Shelbyville	60.17 345 P	P	P	02 45 30.5 -0.6
PBMO Poplar Bluff	60.20 340 eP	P	P	02 45 30.9 -0.4
T44A Benton	60.23 341 P	P	P	02 45 30.9 -0.6
S46A Don Dixon Farm	60.24 343 P	P	P	02 45 30.8 -0.8
U41A Viola	60.29 339 P	P	P	02 45 31.2 -0.8
WCI Wyandotte Cave	60.38 344 P	P	P	02 45 31.5 -1.1
Q50A Georgetown	60.42 347 P	P	P	02 45 32.2 -0.7
T43A Greenville	60.44 341 P	P	P	02 45 32.4 -0.5
MCWV Mont Chateau	60.44 350 P	P	P	02 45 33.6 +0.6
MCWV Mont Chateau	60.44 350 eP	P	P	02 45 34.1 +1.1
V39A Pettigrew	60.45 337 P	P	P	02 45 33.1 0.0
Q51A Peebles	60.47 347 P	P	P	02 45 33.2 +0.1
S45A Carrier Mills	60.48 342 P	P	P	02 45 33.2 0.0
U40A Yellville	60.63 338 P	P	P	02 45 33.8 -0.5
T42A Van Buren	60.64 340 P	P	P	02 45 33.5 -0.9
T42A Van Buren	60.64 340 eP	P	P	02 45 33.7 -0.7
S44A Carbondale	60.69 342 P	P	P	02 45 34.0 -0.6
S43A Fulton Ridge,	60.82 341 P	P	P	02 45 34.9 -0.7
O56A Blue Knob Stat	60.86 352 P	P	P	02 45 36.8 +1.0
U39A Green Forest	60.87 338 P	P	P	02 45 35.5 -0.5
T41A Mountain View	60.88 339 P	P	P	02 45 35.2 -0.8
Q48A North Vernon	60.91 345 P	P	P	02 45 35.2 -0.9
HHAR Hobbs	60.95 337 eP	P	P	02 45 36.5 0.0
R45A Sky, Fairri	60.97 343 P	P	P	02 45 35.8 -0.7
Q47A Bedford North L	61.08 345 P	P	P	02 45 36.5 -0.7
P50A Jamestown	61.12 347 P	P	P	02 45 36.9 -0.7
R44A Waltonville	61.15 342 P	P	P	02 45 37.1 -0.7
S42A Caledonia	61.23 340 P	P	P	02 45 37.3 -1.0
P49A Miami Univ. Ec	61.25 346 P	P	P	02 45 37.3 -1.1
FVM French Village	61.31 341 eP	P	P	02 45 40.0 +1.1
P48A Milroy	61.34 346 P	P	P	02 45 38.0 -1.0
S41A Jilco Farms,	61.37 340 P	P	P	02 45 38.5 -0.7
R43A Red Bud	61.43 341 P	P	P	02 45 38.8 -0.8
Q45A Warren Harvey,	61.49 343 P	P	P	02 45 39.6 -0.5
ACSO Alum Creek Sta	61.55 348 P	P	P	02 45 39.5 -1.0

P47A Martinsville	61.56 345 P	P	P	02 45 39.6 -0.9
O50A Cable	61.60 347 P	P	P	02 45 39.9 -0.9
S40A Lebanon	61.63 339 P	P	P	02 45 40.4 -0.6
CCM Cathedral Cave	61.63 340 P	P	P	02 45 41.2 +0.2
CCM Cathedral Cave	61.63 340 eP	P	P	02 45 41.4 +0.4
R42A Luebbering	61.69 341 P	P	P	02 45 40.9 -0.5
N54A Moraine State	61.74 351 P	P	P	02 45 42.0 +0.2
Q44A Meyer Farm, Va	61.74 342 P	P	P	02 45 40.7 -1.0
T38A Diamond	61.75 337 P	P	P	02 45 41.8 -0.1
O49A Truxton	61.79 347 P	P	P	02 45 41.1 -0.9
R41A Rosebud	61.89 340 P	P	P	02 45 42.4 -0.4
P46A Rosedale	61.92 344 P	P	P	02 45 41.8 -1.1
Q43A New Douglas	61.97 342 P	P	P	02 45 42.5 -0.8
P45A Graceland, Par	61.98 344 P	P	P	02 45 42.2 -1.1
P45A Graceland, Par	61.98 344 eP	P	P	02 45 42.5 -0.8
S39A Bolivar	61.99 338 P	P	P	02 45 43.0 -0.4
S39A Bolivar	61.99 338 eP	P	P	02 45 43.3 -0.1
O48A Farmland	62.04 346 P	P	P	02 45 42.9 -0.8
N50A Nevada	62.11 348 P	P	P	02 45 43.8 -0.3
S38A Stockton	62.14 338 P	P	P	02 45 44.0 -0.5
P44A Sand Creek, Wi	62.16 343 P	P	P	02 45 43.5 -1.0
R40A Maddies Statio	62.17 339 P	P	P	02 45 44.1 -0.5
R40A Maddies Statio	62.17 339 eP	P	P	02 45 44.5 -0.2
Q42A Golden Eye	62.20 341 P	P	P	02 45 44.3 -0.4
M54A Oil Creek Stat	62.23 351 P	P	P	02 45 45.4 +0.4
M54A Oil Creek Stat	62.23 351 eP	P	P	02 45 45.7 +0.7
O47A Sheridan	62.25 345 P	P	P	02 45 44.1 -1.0
MNTX Cornudas Mount	62.28 325 P	P	P	02 45 44.5 -1.0
MNTX Cornudas Mount	62.28 325 eP	P	P	02 45 45.6 0.0
Q41A Truxton	62.45 341 P	P	P	02 45 45.9 -0.5
R39A Chumby, Stover	62.45 339 P	P	P	02 45 46.5 0.0
BINY Binghamton	62.47 354 P	P	P	02 45 47.1 +0.5
P43A Skaggs, Pawnee	62.52 342 P	P	P	0

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SAIM, KRDT, KARATAS-ADANA, etc.

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KUR, AMB, AMB, 03 17 47.0, etc.

MEX 17 03:22:19.0, 0.9, 16:31N, 98:36W, h5km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PNIG, Pinotepa, TLIG, Tlapa, etc.

TIR 17 03:32:18.5, 41:37N, 21:11E, h11km, MD3.5, SKO 17 03:32:18.4, 41:27N, 20:81E, h23km, M1.1, ML1.2, Albania

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OHR, Ohrid, comp=N, 140nm, 0.3s, KRUS, Krusevo, etc.

MOS 17 03:42:16.1, 1, 53:65N, 161:06E, h42km, mb4.4/1, Error ellipse: s-maj=97km s-min=5.5km az=76.0, KRSC 17 03:42:14.5, 0.9, 53:67N, 161:08E, h46km, ±15km, ML4.3, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPN, Mys Shipunski, MKZ, Mys Kozlova, etc.

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBTR, Krutoberegovo, SMKR, Semkarok, etc.

IDC 17 03:44:34.2, 1, 9, 1:85N, 128:23E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/56, mbtmp3.5/4, Error ellipse: s-maj=151.9km s-min=21.4km az=68.0, Halmahera

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, Warramunga Arr, ASAR, Alice Springs, etc.

IDC 17 03:50:33.6, 4, 8, 30:21S, 178:59W, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/39, mbtmp3.5/4, Error ellipse: s-maj=266.8km s-min=45.0km az=162.0, Kermadec Islands

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR, Alice Springs, WRA, Warramunga Arr, etc.

IDC 17 03:57:33.9, 3, 1, 53:93N, 165:61W, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.7/70, mbtmp3.5/4, Error ellipse: s-maj=97.4km s-min=33.2km az=32.0, NEIC 17 03:57:26.9, 0.0, 53:31N, 165:52W, h26km, ML3.5(AEIC), After AEIC, ISCJB 17 03:57:37.2, 1.0, 53:36N, 0:09, 165:56W, 0:09, h62km, 9km, mb3.6/4, Error ellipse: s-maj=16.7km s-min=4.9km az=150.8, ISC 17 03:57:38.5, 1, 6, 53:38N, 0:10, 165:58W, 0:06, h50km, ±14km, n30, ±0:98/35, mb3.7/4, Fox Islands

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like UNV, Unalaska Valle, ZRO, Akutan Zro, etc.

JMA 17 03:17:11.3, 0.1, 43:16N, 146:42E, h61km, ±1km, M3.6, SKHL 17 03:17:11.8, 0.6, 43:17N, 146:46E, h44km, ±9km, mb4.2/6, ISC 17 03:17:10.0, 2.5, 43:11N, 0:09, 146:52E, 0:07, h25km, ±16km, n16, ±19/29, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEM2, Nemuro 2, SHO, Shikotan, etc.

ISC 17 03:17:10.0, 2.5, 43:11N, 0:09, 146:52E, 0:07, h25km, ±16km, n16, ±19/29, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPN, Mys Shipunski, MKZ, Mys Kozlova, etc.

ISC 17 03:17:10.0, 2.5, 43:11N, 0:09, 146:52E, 0:07, h25km, ±16km, n16, ±19/29, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AUMIH, MIHALICIK, AUMIH, Mutnovka, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BORA Eskisehir, BORA BORA, BORA Eskisehir, etc.

MAN 17 04:16:31.6, 13.13N:120.54E, h22km, mb4.2, ML3.0, MS2.7, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LUBP Lubang, LUBP Lubang, SJMP San Jose, etc.

IDC 17 04:34:43.2, 1.2, 22.52S:148.02E, h0km, mb3.6/1, mb1 3.8/5, mb1mx3.5/35, mbtmp3.6/5, ML3.4/4, Error ellipse: s-maj=30.6km s-min=21.7km az=71.0, Queensland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CTA Charters Tower, CTA Charters Tower, CTA 12nm,0.3s, etc.

IDC 17 04:35:10.6:29.0, 2.70N:90.49E, h0km, mb3.9/3, mb1 4.0/4, mb1mx3.5/60, mbtmp4.0/4, ML4.1/1, Error ellipse: s-maj=566.7km s-min=53.3km az=173.0, Off west coast of northern Sumatra

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

MEX 17 04:52:02.9:0.5, 16.90N:95.35W, h119km, 12km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VHO Vista Hermosa, VHO Vista Hermosa, HUIG Huatulco, etc.

MEX 17 05:30:08.2:0.3, 16.19N:98.22W, h8km, 3km, MD3.5, 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.

ISK 17 05:37:25.6, 38.30N:43.17E, h18km, ML2.4/4, ISCJB 17 05:37:28.5, 0.6, 38.60N:0.05:43.16E:0.04, h15km, 7km, Error ellipse: s-maj=9.1km s-min=5.2km az=1.5, DDA 17 05:37:28.4, 38.64N:43.20E, h7km, ML2.7, CSEM 17 05:37:28.1, 0.2, 38.61N:43.14E, h10km, ML2.7, Error ellipse: s-maj=6.8km s-min=5.5km az=13.0, ISC 17 05:37:28.6, 1.0, 38.61N:0.03:43.14E:0.04, h12km, 10km, n20, 0.65/27, Turkey

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

JMA 17 05:38:22.0, 39.15N:142.44E, h45km, 1km, M3.5, Near east coast of eastern Honshu

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

IDC 17 05:58:26.6:0.8, 11.20N:126.04E, h0km, mb4.1/9, mb1 4.2/9, mb1mx3.9/57, mbtmp4.1/9, MS2.8/1, Ms1 2.8/1, ms1mx2.4/56, Error ellipse: s-maj=54.7km s-min=15.1km az=72.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MAN 17 05:58:28.5, 1.1, 35N:126.26E, h16km, mb4.7, ML3.6, MS3.6, ISCJB 17 05:58:29.5:0.6, 11.35N:0.04:126.27E:0.07, h33km, mb3.9/10, Error ellipse: s-maj=10.6km s-min=5.9km az=13.5, ISC 17 05:58:31.5:0.7, 11.29N:0.04:126.17E:0.08, h33km, n21, c153/27, mb4.0/10, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BESP Borongan, BESP Borongan, PLP Palo, etc.

MAN 17 05:58:43.9, 13.16N:120.55E, h30km, mb4.4, ML3.2, MS3.0, 1D, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LUBP Lubang, LUBP Lubang, LUBP Lubang, etc.

IDC 17 06:00:34.8:0.7, 23.19N:93.30E, h0km, mb4.1/14, mb1 4.2/14, mb1mx3.9/61, mbtmp4.1/14, MS3.3/11, Ms1 3.3/11, ms1mx3.0/63, Error ellipse: s-maj=16.6km s-min=13.0km az=174.0, ISCJB 17 06:00:37.9:0.5, 23.02N:0.03:92.91E:0.03, h35km, 5km, s-maj=9.3km az=33.5, NEIC 17 06:00:41.0:1.0, 23.05N:93.07E, h49km, 5km, mb4.4/10, Error ellipse: s-maj=8.8km s-min=4.1km az=53.0, ISC 17 06:00:41.8:1.0, 23.14N:0.05:93.04E:0.05, h52km, 10km, n84, c163/99, mb4.1/23, MS3.4/9, Myanmar-India border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BRDH Bariadhala, BRDH Bariadhala, BELO BELONIA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAMN Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, etc.

IDC 17 06:15:00.3:3.3, 30.18S:138.56E, h0km, mb1 3.2/3, mb1 mx3.1/41, mbtmp3.0/3, ML3.0/3, Error ellipse: s-maj=95.7km s-min=15.8km az=44.0, South Australia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Stephens Creek, STKA 0.7nm,0.3s, etc.

Table with columns: BRDH, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like Baridadhala, Shillo, MKAR, JHU, WRA, ASAR.

Table with columns: GO03, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like Cuesta del Viejo, AGUA, CPCH, Vinchina.

Table with columns: KURBB, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like Kurchatov Arra, MA2, KDAD, KDIAD, SKT, ILAR, BRTR, EGAK.

IDC 17 06:40:28.1, 7.8, 30.135S, 178.33W, h0km, mb3.3/2, m1 3.6/2, mb1mx3.4/39, mbtmp3.3/2, Error ellipse: s-maj=326.1km s-min=59.2km az=155.0

SOME 17 06:46:23.6, 43.58N, 83.33E, h0km, NNC 17 06:46:30.5, 4.8, 43.80N, 83.09E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=46.8km s-min=15.8km az=128.0

JMA 17 07:43:39.3, 1.0, 37.33N, 140.27E, h97km, m1, M1.2, Eastern Honshu

Main table listing station data for the 17d 7h period. Columns include Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like MXZ, WMGZ, HAZ, PKGZ, RUGZ, etc.

Main table listing station data for the 2012 JUL period. Columns include Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like RTVC, AMOG, RITLL, RITLS, etc.

Main table listing station data for the 838 period. Columns include Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like JFT, JFD, JFY, JJK, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like JYA Atsumi, JOT Ohata, JKB Kayabe, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like BJI Beijing, BJI Beijing, CBUJ Chichijima, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KURK Kurchatov, KURB Kurchatov, KURBB Kurchatov, etc.

NEE2	Needles Airpor	80.69	52	P	P	08 10 19.2	+0.4
B35A	Bob, Littlefor	80.77	31	P	P	08 10 19.0	0.0
B35A	Bob, Littlefor	80.77	31	eP	P	08 10 19.1	0.0
IRM	Iron Mountain	80.80	52	P	P	08 10 20.2	+0.8
BAR	Barrett	80.88	54	eP	P	08 10 20.2	+0.3
U15A	North Rim	80.88	49	eP	P	08 10 21.8	+1.5
C34A	RK Ranch, 0.8s	80.89	32	P	P	08 10 19.6	0.0
MONP2	Monument Peak	80.89	54	P	P	08 10 20.7	+0.5
NC3	Big Chuckawall	80.95	53	P	P	08 10 20.7	+0.3
B23A	Red Feather La	81.09	42	P	P	08 10 21.8	+0.5
N23A	Red Feather La	81.09	42	eP	P	08 10 22.8	+1.6
PV09	Paradox Valley	81.17	46	eP	P	08 10 23.0	+1.4
C35A	Jirik Farms, M	81.21	31	P	P	08 10 21.0	-0.3
IKP	In-Ko-Pah, Jac	81.25	54	P	P	08 10 22.4	+0.5
PDMCI	Parker Dam, Lak	81.29	52	P	P	08 10 22.7	+0.7
PV10	Paradox Valley	81.30	46	eP	P	08 10 23.9	+1.5
Y12C	Bythe	81.45	52	P	P	08 10 23.7	+0.9
PV05	Paradox Valley	81.49	46	eP	P	08 10 25.1	+1.9
PV03	Paradox Valley	81.50	46	eP	P	08 10 24.3	+1.0
PV02	Paradox Valley	81.59	46	eP	P	08 10 24.8	+0.9
C36A	Pine Crest Far	81.61	31	P	P	08 10 23.4	-0.1
SUSD	Miller	81.73	36	P	P	08 10 24.1	0.0
PV01	Paradox Valley	81.73	46	eP	P	08 10 25.6	+1.0
GLA	Glamis	81.75	53	P	P	08 10 25.2	+0.7
SMCO	Snowmass	81.82	44	eP	P	08 10 26.1	+0.9
C37A	Embarrass	81.89	30	P	P	08 10 25.0	+0.2
D36A	Goodland	81.96	31	P	P	08 10 26.1	+0.8
EYMN	Ely	81.97	30	eP	P	08 10 25.2	-0.1
WUAZ	Wupatki	82.05	49	eP	P	08 10 27.4	+1.2
WUAZ	Wupatki	82.05	49	eP	P	08 10 27.3	+1.2
ISCO	Idaho Springs	82.07	43	P	P	08 10 27.2	+0.8
ISCO	Idaho Springs	82.07	43	eP	P	08 10 27.3	+0.9
ISCO	Idaho Springs	82.07	43	eP	P	08 10 27.3	+0.9
Y14A	Wickenburg	82.22	51	eP	P	08 10 27.9	+1.0
G33A	Ortonville	82.23	34	P	P	08 10 26.6	0.0
C38A	Sawbill Land.	82.24	30	P	P	08 10 26.7	0.0
F34A	Alexandria	82.24	33	P	P	08 10 26.7	0.0
D37A	Cotton	82.26	31	P	P	08 10 26.5	-0.3
MV3C	Carlson Farm,	82.35	35	P	P	08 10 27.4	0.0
HVCO	Mesa Verde	82.44	46	P	P	08 10 28.8	+0.5
MVCO	Mesa Verde	82.44	46	eP	P	08 10 29.1	+0.8
E36A	McGregor	82.46	32	P	P	08 10 27.6	-0.3
F35A	Swanville	82.47	33	P	P	08 10 27.5	-0.4
G34A	Benson	82.53	34	P	P	08 10 28.1	-0.1
113A	Mohawk Valley,	82.59	53	eP	P	08 10 29.8	+1.1
X16A	Lo Mita Camp, P	82.80	50	eP	P	08 10 31.7	+1.7
F36A	Milaca	82.89	32	P	P	08 10 29.4	-0.6
S22A	4UR Ranch, Cre	82.95	45	P	P	08 10 31.8	+0.9
S22A	4UR Ranch, Cre	82.95	45	eP	P	08 10 32.5	+1.6
OGNE	Ogallala	83.00	40	P	P	08 10 29.9	-0.9
G35A	Watkins	83.03	33	P	P	08 10 30.9	+0.2
G35A	Watkins	83.03	33	eP	P	08 10 31.2	+0.4
E38A	The Farm, Brul	83.06	31	P	P	08 10 30.6	-0.3
H35A	Sunnyside Ranc	83.31	34	P	P	08 10 32.3	+0.2
ECSD	EROS Data Cent	83.32	35	P	P	08 10 32.3	0.0
ECSD	EROS Data Cent	83.32	35	eP	P	08 10 32.4	+0.1
F37A	Hinrichs Farm,	83.37	32	P	P	08 10 32.9	+0.5
F38A	Pierce - Schro	83.47	31	P	P	08 10 33.4	+0.5
X18A	Snowflake	83.57	49	eP	P	08 10 35.1	+1.2
E39A	Mellen	83.63	30	P	P	08 10 33.8	+0.1
SDCO	Great Sand Dun	83.66	44	P	P	08 10 35.1	+0.6
SDCO	Great Sand Dun	83.66	44	eP	P	08 10 35.2	+0.8
SPMN	Marine on St.	83.71	32	P	P	08 10 33.9	-0.2
214A	Organ Pipe Nat	83.73	53	P	P	08 10 35.3	+0.7
H36A	Jessenland, He	83.78	33	P	P	08 10 34.9	+0.3
E40A	Wakefield	83.82	30	P	P	08 10 35.5	+0.5
F39A	Loretta	83.88	31	P	P	08 10 34.8	-0.2
G38A	Ridgeland	84.13	32	P	P	08 10 35.8	-0.4
E41A	Kenton	84.15	29	P	P	08 10 36.3	-0.1
F40A	Park Falls	84.18	30	P	P	08 10 36.4	-0.1
I36A	Fitzsimmons Fa	84.20	34	P	P	08 10 37.4	-0.2
G39A	Holcombe	84.30	31	P	P	08 10 36.5	+0.4
I37A	Lemond, Waseca	84.46	33	P	P	08 10 38.7	+0.8
I37A	Lemond, Waseca	84.46	33	eP	P	08 10 38.8	+0.9
BGNE	Belgrade	84.48	38	P	P	08 10 38.3	+0.2
BGNE	Belgrade	84.48	38	eP	P	08 10 38.5	+0.4
J36A	Seneca 1, Swea	84.62	34	P	P	08 10 38.9	+0.1
TUC	Tucson	84.68	51	P	P	08 10 40.0	+0.7
TUC	Tucson	84.68	51	eP	P	08 10 40.7	+1.3
TUC	Tucson	84.68	51	eP	P	08 10 40.7	+1.3
T25A	Trinidad	84.69	44	P	P	08 10 39.6	+0.1
T25A	Trinidad	84.69	44	eP	P	08 10 40.0	+0.5
G40A	Rib Lake	84.69	31	P	P	08 10 39.3	+0.2
G40A	Rib Lake	84.69	31	eP	P	08 10 39.4	+0.3
F41A	Three Lakes	84.71	30	P	P	08 10 39.1	0.0
F41A	Three Lakes	84.71	30	eP	P	08 10 39.7	+0.6
H39A	Augusta	84.76	32	P	P	08 10 39.9	+0.5
I38A	Scanlan Farm,	84.87	33	P	P	08 10 40.2	+0.2
E43A	Lone Tree Farm	84.94	28	P	P	08 10 40.3	+0.1
G41A	Antigo	85.13	30	P	P	08 10 41.4	+0.2
K36A	Gilmore City	85.14	35	P	P	08 10 41.5	+0.2
H40A	Chili	85.16	31	P	P	08 10 41.5	+0.1
TASM	ASI Pad, Albuq	85.22	47	P	P	08 10 43.1	+0.9
ANMO	Albuquerque	85.23	47	P	P	08 10 43.2	+1.1
ANMO	Albuquerque	85.23	47	P	P	08 10 43.2	+1.1
ANMO	Albuquerque	85.23	47	eP	P	08 10 43.5	+1.4
ANMO	Albuquerque	85.23	47	eP	P	08 10 43.7	+1.5
TASL	Snake Pit, Alb	85.23	47	P	P	08 10 43.0	+0.8
F43A	Flat Rock, Esc	85.34	28	P	P	08 10 41.4	-0.8
I39A	Houston	85.35	32	P	P	08 10 42.1	-0.3
I39A	Houston	85.35	32	eP	P	08 10 42.2	-0.1
K37A	Belmond	85.38	34	P	P	08 10 42.4	-0.1
G42A	Mountain	85.39	30	P	P	08 10 42.5	+0.1
L36A	Harm Buss Farm	85.48	35	P	P	08 10 43.0	0.0
I40A	Notwalk	85.68	32	P	P	08 10 44.0	0.0
J39A	Decorah	85.71	33	P	P	08 10 44.0	-0.2
BNM	Baron Site	85.72	47	eP	P	08 10 46.1	+1.5
CBKS	Cedar Bluff	85.77	40	P	P	08 10 44.1	-0.4
I41A	Arkdale	85.84	31	P	P	08 10 44.8	+0.1
L37A	Phoenix Point,	85.86	34	P	P	08 10 44.9	0.0
M36A	Felix, Anita	85.95	35	P	P	08 10 45.8	+0.5
H42A	Shiocton	85.97	30	P	P	08 10 45.6	+0.3
J40A	Soldiers Grove	86.05	32	P	P	08 10 44.9	-0.8
K39A	Delweine	86.16	33	P	P	08 10 46.1	-0.2
L38A	Oak Wood Farm,	86.18	34	P	P	08 10 46.6	+0.2
J41A	Loganville	86.36	31	P	P	08 10 47.1	-0.2
N36A	Muff Farm, Cla	86.40	36	P	P	08 10 47.9	+0.4
K40A	Colesburg	86.47	33	P	P	08 10 47.8	0.0
L39A	Vinton	86.60	33	P	P	08 10 48.5	+0.1
JFWS	Jewell Farm	86.65	32	P	P	08 10 48.2	-0.4
M38A	Pleasantville	86.67	35	P	P	08 10 49.0	+0.3
N37A	Lee Faris, Mou	86.78	36	P	P	08 10 49.7	+0.5
N37A	Lee Faris, Mou	86.78	36	eP	P	08 10 50.0	+0.8
K41A	Shullsburg	86.89	32	P	P	08 10 49.7	-0.1
L40A	Anamosa	86.97	33	P	P	08 10 50.2	0.0
J43A	Natural Harves	86.97	30	P	P	08 10 50.3	+0.2
KSU1	Kansas State U	87.03	38	P	P	08 10 50.4	-0.1
M39A	Welter	87.06	34	P	P	08 10 50.8	+0.2
K42A	Prairie Point,	87.12	31	P	P	08 10 50.6	-0.2
N38A	Joos South For	87.17	35	P	P	08 10 51.2	0.0
L41A	Preston	87.25	32	P	P	08 10 51.0	-0.5
O37A	Wolven Farm, M	87.28	36	P	P	08 10 51.9	+0.2
M40A	Post Highland	87.39	33	P	P	08 10 52.3	+0.2
N39A	Derby Farms, D	87.42	34	P	P	08 10 52.6	+0.3
N39A	Derby Farms, D	87.42	34	eP	P	08 10 53.0	+0.7
O38A	Galt	87.62	35	P	P	08 10 53.4	+0.2
P37A	Lathrop	87.67	36	P	P	08 10 53.5	0.0
N40A	Mertquake, Sal	87.80	34	P	P	08 10 54.3	+0.2
M41A	Milan	87.82	33	P	P	08 10 54.2	0.0
AMTX	Amarillo	87.84	44	P	P	08 10 54.6	+0.1
L43A	Garden Prairie	87.86	31	P	P	08 10 54.3	0.0
P38A	Dawn	88.00	36	P	P	08 10 55.2	+0.2
P38A	Dawn	88.00	36	eP	P	08 10 55.7	+0.6
Q37A	Longview Farm,	88.20	37	P	P	08 10 56.0	0.0
BKZ	Black Stamp Fm	88.20	149	eP	P	08 10 55.9	+0.1
MNTX	Cotuias Mount	88.24	48	P	P	08 10 56.9	+0.5
N41A	Harden Midland	88.25	33	P	P	08 10 56.2	0.0
N41A	Harden Midland	88.25	33	eP	P	08 10 56.7	+0.5
O40A	La Belle	88.31	34	P	P	08 10 57.0	+0.5
M43A	Waltham Townsh	88.41	32	P	P	08 10 57.4	+0.4
P39B	Salisbury	88.45	35	P	P	08 10 57.3	+0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Eclectic, Camden, Y54A, GOGA, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSRS, H112, H111, etc.

ISC 17 08:03:18.2.2.5, 52.03N, 174.89E, h0km, mb3.8/7, mb1 3.9/8, mb1mx3.6/77, mbtmp3.9/8, ML4.2/1, MS2.4/1, Ms1 2.4/1, ms1mx2.1/70, Error ellipse: s-maj=65.4km s-min=24.1km az=2.0

DDA 17 08:25:45.9, 39.69N, 29.36E, h7km, ML2.7, Suspected Mining explosion.

ISCJB 17 08:36:02.2, 1.2, 37.90N, 0.07, 26.89E, 0.07, h13km, 8km, Error ellipse: s-maj=12.9km s-min=7.9km az=27.2

ISC 17 08:03:21.4.2.0, 52.10N, 0.4, 174.9E, 0.2, h39km, mb3.9/7, MS2.3/1, Error ellipse: s-maj=53.4km s-min=18.0km az=1.0

ISC 17 08:25:46.0, 39.69N, 29.36E, h7km, ML2.7, Suspected Mining explosion.

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

TAP 17 08:11:43.0, 24.76N, 121.30E, h8km, ML1.6, B, Taiwan

ISC 17 08:26:14.3, 0.2, 9.2, 90S, 0.09, 135.0E, 0.1, h10km, mb3.5/1, Error ellipse: s-maj=16.0km s-min=11.7km az=27.4

ISC 17 08:45:44.5, 0.7, 31.13S, 178.99W, h0km, mb4.4/10, mb1 4.6/12, mb1mx4.2/43, mbtmp4.4/12, ML4.1/2, MS3.5/7, Ms1 3.5/7, ms1mx3.1/42, Error ellipse: s-maj=19.4km s-min=11.4km az=67.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KDAK, ILAR, H112, etc.

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

NEIC 17 08:45:47.0, 31.02S, 179.11W, h17km, 19km, mb4.8/19, Error ellipse: s-maj=9.7km s-min=7.6km az=127.0

ISC 17 08:45:50.4, 0.4, 31.16S, 0.06, 179.00W, 0.09, h35km, n114, s177/102, mb4.9/30, MS3.7/6, 4C-8D, Kermadec

ISC 17 08:26:17.1, 0.9, 3.12S, 12.13E, h10km, M3.3/4, ML1v3.3/4

MOS 17 08:45:49.5, 1.2, 31.19S, 179.22W, h33km, mb4.9/6, Error ellipse: s-maj=20.6km s-min=16.2km az=20.3

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

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

BUI 17 08:45:49.5, 30.55S, 178.74W, h35km, mb5.1/9, mb5.5/3, Ms4.7/3, Ms7 4.4/3

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

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

ISC 17 08:45:49.5, 1.2, 31.19S, 179.22W, h33km, mb4.9/6, Error ellipse: s-maj=20.6km s-min=16.2km az=20.3

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

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

ISC 17 08:32:53.8, 0.8, 38.34N, 0.04, 142.40E, 0.07, h24km, mb3.7/4, MS4.1/1, Error ellipse: s-maj=7.6km s-min=5.3km az=10.4

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:51.2, 1.5, 38.38N, 142.73E, h0km, mb3.7/4, mb1 3.8/7, mb1mx3.5/74, mbtmp3.7/7, ML3.1/3, MS2.3/3, Ms1 2.3/3, ms1mx2.2/66, Error ellipse: s-maj=36.8km s-min=19.5km az=86.0

ISC 17 08:32:53.8, 0.8, 38.34N, 0.04, 142.40E, 0.07, h24km, mb3.7/4, MS4.1/1, Error ellipse: s-maj=7.6km s-min=5.3km az=10.4

JMA 17 08:32:57.0, 0.1, 38.40N, 142.24E, h39km, 1km, M3.8, JMA Feil 1/1

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

ISC 17 08:32:56.2, 1.2, 38.36N, 0.04, 142.24E, 0.08, h24km, n24, s149/25, mb3.6/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like Alice Springs, Warrungarra Arr, Tennant Creek, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like FIAO, FINES, BR101, etc.

ISC 17 08:47:47.6, 38°55N, 146°36'E, h5km, ML2.3/6
ISCJB 17 08:47:48.5, 0.5, 38°55N, 146°36'E, 0.03, h1km, gkm,
Error ellipse: s-maj=5.1km s-min=4.6km az=161.5
CSEM 17 08:47:48.4, 0.2, 38°55N, 146°36'E, h2km, ML3.0, Error
ellipse: s-maj=3.7km s-min=3.3km az=138.0
DDA 17 08:47:48.4, 6, 38°55N, 146°36'E, h11km, M3.0,
ISC 17 08:47:48.5, 1.1, 38°55N, 146°36'E, 0.02, h8km, n10km,
n24, c053/39, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DURS Dursunbey, TVSB Tavsanli, DEMI Demirci, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Y49A Blount Mountain, SWL2 Sewanee, WRAT Lakeview Retre, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AS31 Warramunga Arr, WRA Warramunga Arr, etc.

ISCJB 17 09:21:48.7 0.3, 2.99N, 0.08, 31.24W, 0.05, h12km, m=5/63, MS3.9/40, Error ellipse: s-maj=11.5km

IDC 17 09:21:48.1 0.5, 2.94N, 31.23W, h0km, mb4.3/20, mb1.4/21, mb1mx4.2/62, mbtmp4.3/21, ML4.6/1, MS3.9/39, Ms1.3/39, ms1mx3.8/50, Error ellipse: s-maj=17.0km

NEIC 17 09:21:49.7 0.2, 2.90N, 31.20W, h10km, mb4.6/44, Error ellipse: s-maj=7.2km s-min=5.6km az=176.0

GCMT 17 09:21:49.7 0.3, 2.72N, 31.26W, h17km, 1Mw5.0/85, Moment Tensor Solution, s1, c12; s85, c110; Duration: 0

ISC 17 09:21:50.2 0.4, 2.92N, 0.09, 31.26W, 0.08, h12km, n123, e1900/97, mb4.5/63, MS3.9/40, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RCBR Riachuelo, H10N3 ASCENSION HYDR18.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like D36A Goodland, 833A Chaparral WMA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAN 17 09:26:09.4, 19.22N, 122.66E, etc.

URZ	comp-Z,1um,20.3s,baz=44,slow=35	LR	LR	11 33 07.4
URZ	Urewera 7.78 204	ePn	Pn	11 30 27.3 -3.3
URZ	Urewera 7.78 204	ePn	Pn	11 30 28.9 -1.8
URZ	Urewera 7.78 204	ePn	Pn	11 30 27.3 -3.0
RKZ	Rimuhau 7.99 199	P	Pn	11 30 29.8 -3.8
BIGZ	Black Stump Fm 8.81 204	ePn	Pn	11 30 44.9 +0.1
HIZ	Hauti 8.92 213	ePn	Pn	11 30 47.1 +0.8
KHZ	Kahutara 12.73 206	ePn	Pn	11 31 31.4 -7.0
OXF	Oxford 14.09 208	ePn	Pn	11 31 47.8 -9.1
RPZ	Rata Peaks 14.81 210	LR	LR	11 37 50.9
DZM	Mont Dzumac 15.88 301	Pn	Pn	11 32 15.5 -5.5
DZM	Mont Dzumac 15.88 301	eP	Pn	11 37 17.0
DZM	Mont Dzumac 15.88 301	eP	Pn	11 32 15.8 -5.2
DZM	992nm,24.1s	eLR	LR	11 35 53.7
AFI	Afiama 18.40 23 LR	LR	LR	11 39 17.7
RAR	Rarotonga 19.83 65 LR	LR	LR	11 40 46.6
ARR	Armada 25.26 264 P	P	P	11 34 05.2 +2.2
ARMA	Armada 25.26 264 eP	P	P	11 34 04.2 +1.1
MGCD	Mangrove Creek 25.39 257 P	P	P	11 34 06.8 +2.8
EIDS	Eidsvold 26.97 275 eP	P	P	11 34 17.9 +0.9
TBI	Tubuai 27.29 81 eLR	LR	LR	11 41 09.5
TBI	Tubuai 27.29 81 eT	T	T	12 02 45.4
RMQ	Roma 28.62 271 P	P	P	11 34 35.0 +1.9
HNR	Honiara 29.21 313 LR	LR	LR	11 45 01.0
PAE	Paea 29.82 70 eT	T	T	12 05 57.2
PP2T	Papeete2 29.86 70 eLR	LR	LR	11 42 29.1
PP2T	Papeete2 29.86 70 eT	T	T	12 05 55.6
PPT	Papeete 29.88 70 LR	LR	LR	11 46 07.6
TOO	Tooolangi 29.92 248 P	P	P	11 34 46.7 +2.1
TVO	Taravao 30.02 71 eT	T	T	12 06 07.2
CMSA	Cobar Meteorol 30.12 260 P	P	P	11 34 47.7 +1.2
QLP	Quilpie 32.47 269 P	P	P	11 35 07.0 -0.1
PMOR	Pomariolee 32.64 68 eT	T	T	12 09 21.7
VAH	Vaihoa 32.72 68 eT	T	T	12 09 27.5
CTA	Charters Tower 33.13 281 P	P	P	11 35 11.9 -1.1
CTAO	Charters Tower 33.13 281 eP	P	P	11 35 13.5 +0.5
CTAO	Charters Tower 33.13 281 ePmax	Pmax	Pmax	11 35 13.5 +0.5
STKA	Stephens Creek 33.52 258 P	P	P	11 35 17.0 +0.7
STKA	Stephens Creek 33.52 258 P	P	P	11 35 15.1 -1.2
STKA	Stephens Creek 33.52 258 eP	P	P	11 46 46.4
STKA	Stephens Creek 33.52 258 eP	P	P	11 35 16.1 -0.2
STKA	Stephens Creek 33.52 258 eP	P	P	11 35 17.2 +0.9
HTT	Hallett 35.51 255 P	P	P	11 35 34.4 +0.8
BBOO	Buckleboe 37.98 255 P	P	P	11 35 54.4 -0.2
BBOO	Buckleboe 37.98 255 eP	P	P	11 35 54.4 -0.2
PMG	Port Moresby 38.21 297 LR	LR	LR	11 49 30.6
RKT	Rikitea 39.74 89 eT	T	T	12 18 20.1
AS01	Alice Springs 42.26 268 eP	P	P	11 36 28.6 -1.3
AS31	Alice Springs 42.26 268 eP	P	P	11 36 29.3 -0.9
ASAR	Alice Springs 42.26 268 P	P	P	11 36 29.1 -1.1
ASAR	Alice Springs 42.26 268 LR	LR	LR	11 53 38.8
TAOE	Nuku Hiva Isla 42.36 67 eLR	LR	LR	11 48 15.5
WB2	Warramunga Arr 43.31 273 eP	P	P	11 36 36.8 -1.9
WRAB	Tennant Creek 43.31 273 eP	P	P	11 36 37.4 -1.3
WRAB	Tennant Creek 43.31 273 eP	P	P	11 36 37.3 -1.5
WRAB	Tennant Creek 43.31 273 ePmax	Pmax	Pmax	11 36 37.3 -1.5
WR1	Warramunga Arr 43.32 273 P	P	P	11 36 37.1 -1.7
WRA	Warramunga Arr 43.32 273 P	P	P	11 36 37.1 -1.7
FORT	Forrest 45.07 256 P	P	P	11 36 52.5 -0.1
FORT	Forrest 45.07 256 eP	P	P	11 36 51.9 -0.8
WRKA	Warakama 46.58 264 P	P	P	11 37 02.9 -1.8
SBA	Scott Base 47.21 184 eP	P	P	11 37 10.5 +1.7
VNDA	Vanda 47.25 186 P	P	P	11 37 09.5 +0.3
VNDA	Vanda 47.25 186 LR	LR	LR	11 53 02.9
VNDA	Vanda 47.25 186 eP	P	P	11 37 09.6 +0.4
VNDA	Vanda 47.25 186 eP	P	P	11 37 10.1 +0.9
KDU	Kakadu 47.25 186 eP	P	P	11 37 09.6 +0.4
KDU	Kakadu 47.25 186 P	P	P	11 37 17.6 -0.2
MTN	Mantoloking 49.31 280 P	P	P	11 37 25.6 -0.2
KNRA	Kunurra 49.96 275 P	P	P	11 37 30.3 -0.4
FITZ	Fitzroy Crossi 51.55 271 P	P	P	11 37 41.6 -1.1
FITZ	Fitzroy Crossi 51.55 271 LR	LR	LR	11 58 14.6
NWAO	Narrogin (SRO) 53.37 250 LR	LR	LR	11 58 15.5
MEEK	Meekatharra 54.22 258 P	P	P	11 38 01.6 -0.9
MWBA	Marble Bar 55.34 265 P	P	P	11 38 05.5 -1.1
GUM	Gum 56.46 316 LR	LR	LR	12 01 51.0
SOEI	Soe 56.66 279 eP	P	P	11 38 19.5 -0.8
QSPA	South Pole Qui 58.94 180 P	P	P	11 38 35.3 -0.3
QSPA	South Pole Qui 58.94 180 LR	LR	LR	12 00 26.0
QSPA	South Pole Qui 58.94 180 eP	P	P	11 38 35.3 -0.3
CS2A	Maumere 58.95 279 eP	P	P	11 38 35.1 -1.1
RPN	Rapa Nui 60.02 105 LR	LR	LR	12 00 47.2
DAV	Davao City (W) 62.22 296 LR	LR	LR	12 08 03.5
MAW	Mawson 71.30 201 P	P	P	11 39 53.2 -2.2
MAW	Mawson 71.30 201 LR	LR	LR	12 08 29.8
MAW	Mawson 71.30 201 eP	P	P	11 39 55.0 -0.5
MAW	Mawson 71.30 201 eP	P	P	11 39 55.0 -0.5
SYO	Syowa Base 76.18 193j eP	P	P	11 40 21.5 +2.5
SYO	Syowa Base 76.18 193j eP	P	P	11 40 27.5 +3.4
SYO	Syowa Base 76.18 193j eP	P	P	11 40 31.0 +6.9
SYO	Syowa Base 76.18 193j eP	P	P	11 40 36.6 +0.6
SNAA	Sanae 77.41 179 P	P	P	11 40 29.9 -1.2

SNA	comp-Z,60nm,19.0s,baz=143,slow=34	LR	LR	12 13 09.6
SNA	Sanae 77.41 179 eP	P	P	11 40 30.7 -0.4
SNA	Sanae 77.41 179j eP	P	P	11 40 31.0 -0.1
NVL	N'azarevskaya 78.06 184 eP	P	P	11 40 35.3 +0.7
NVL	N'azarevskaya 78.06 184 eS	S	S	11 50 28.2 +2.5
NVL	N'azarevskaya 78.06 184 eSS	SS	SS	11 55 26.2 -0.1
NVL	N'azarevskaya 78.06 184 eSSS	SSS	SSS	11 58 55.1
NVL	N'azarevskaya 78.06 184 ePmax	Pmax	Pmax	11 58 55.1
MJAR	Matsushiro Arr 78.41 326 P	P	P	11 40 33.6 -3.3
MJAR	Matsushiro Arr 78.41 326 LR	LR	LR	12 09 37.2
MAJO	Matsushiro 78.42 326 eP	P	P	11 40 33.6 -3.3
MAJO	Matsushiro 78.42 326j eP	P	P	11 40 35.5 -1.5
MAJO	Matsushiro 78.42 326 ePmax	Pmax	Pmax	11 40 35.5 -1.5
MJB	Matsushiro 78.42 326 P	P	P	11 40 35.3 -1.7
MJB	Matsushiro 78.42 326 eP	P	P	11 40 35.8 -1.2
JNU	Nakatsue 79.59 319 LR	LR	LR	12 11 00.4
PLCA	Paso Flores 82.58 133 eP	P	P	11 40 57.7 -1.9
PLCA	Paso Flores 82.58 133 eP	P	P	11 41 00.2 +0.5
PLCA	Paso Flores 82.58 133 eP	P	P	11 41 00.1 +0.5
EFI	East Falkland 82.59 147j eP	P	P	11 41 01.7 +2.4
EFI	East Falkland 82.59 147j ePmax	Pmax	Pmax	11 41 01.7 +2.4
ASAJ	Asahikawa 82.75 333 LR	LR	LR	12 14 17.4
ASAJ	Asahikawa 82.75 333 eP	P	P	11 41 01.1 +1.2
TJN	Taejon 83.94 319j eP	P	P	11 41 05.6 -0.7
KSRN	Korea Array 84.41 320 eP	P	P	11 41 07.7 -1.1
KSRN	Korea Array 84.41 320 eP	P	P	11 41 07.7 -1.1
KSRN	Korea Array 84.41 320 eP	P	P	12 18 22.1
KS15	Wonju Array Si 84.42 320 eP	P	P	11 41 07.5 -1.2
KSAR	Wonju Array Be 84.42 320 P	P	P	11 41 07.6 -1.1
KS01	Wonju Array Si 84.44 320 eP	P	P	11 41 08.3 -0.5
GSI	Gungnangit 85.08 274 eP	P	P	11 41 13.1 +0.4
YSS	Yuzh-Sakhalins 85.09 335 eP	P	P	11 41 10.8 -1.0
YSS	Yuzh-Sakhalins 85.09 335 ePmax	Pmax	Pmax	11 41 10.8 -1.0
LPIG	La Paz 85.63 59 LR	LR	LR	12 10 11.7
NJ2	Nanjing 86.13 311 eP	P	P	11 41 19.8 +2.4
NJ2	Nanjing 86.13 311 ePmax	Pmax	Pmax	11 41 19.8 +2.4
PETK	Petrovavlovsk 86.36 346 P	P	P	11 41 19.2 +1.2
PETK	Petrovavlovsk 86.36 346 LR	LR	LR	12 17 05.6
PEA1	Petrovavlovsk 86.36 346 eP	P	P	11 41 19.2 +1.2
PAGB	Antelope Grade 86.39 44 eP	P	P	11 41 20.2 +1.5
MSHR	Myrs Shultsa 86.52 326j eP	P	P	11 41 16.5 -2.5
BAR	Barrett 86.59 48 eP	P	P	11 41 19.5 -0.2
MWC	Mount Wilson 86.72 46 eP	P	P	11 41 21.5 +1.0
MWC	Mount Wilson 86.72 46 eP	P	P	11 41 21.5 +1.0
MWC	Mount Wilson 86.72 46 ePmax	Pmax	Pmax	11 41 21.5 +1.0
PFO	Pinyon Flats O 87.33 48 eP	P	P	11 41 24.4 +1.1
PFO	Pinyon Flats O 87.33 48 eP	P	P	11 41 24.5 +1.1
PFO	Pinyon Flats O 87.33 48 ePmax	Pmax	Pmax	11 41 24.5 +1.1
XPFO	Pinyon Flats O 87.33 48 eP	P	P	11 41 24.6 +1.2
ISA	Isabella Lake 87.42 45 eP	P	P	11 41 25.0 +1.3
ISA	Isabella Lake 87.42 45 eP	P	P	11 41 25.0 +1.3
ISA	Isabella Lake 87.42 45 ePmax	Pmax	Pmax	11 41 25.0 +1.3
CMB	Columbia Colle 87.88 42 eP	P	P	11 41 26.6 +0.8
CMB	Columbia Colle 87.88 42 eP	P	P	11 41 26.6 +0.8
CMB	Columbia Colle 87.88 42 ePmax	Pmax	Pmax	11 41 26.6 +0.8
GLA	Glamis 88.01 49 eP	P	P	11 41 27.3 +0.7
GLA	Glamis 88.01 49 ePmax	Pmax	Pmax	11 41 27.3 +0.7
AFDM	Forest Hills D 88.17 41 eP	P	P	11 41 28.3 +1.1
GSC	Goldstone, B 88.20 46 eP	P	P	11 41 28.9 +1.4
GSC	Goldstone, B 88.20 46 eP	P	P	11 41 28.9 +1.4
GSC	Goldstone, B 88.20 46 ePmax	Pmax	Pmax	11 41 28.9 +1.4
DAC	Darwin (Calif) 88.36 45 eP	P	P	11 41 29.9 +1.5
MDPB	Devils Postpile 88.37 43 eP	P	P	11 41 30.0 +1.6
OMMB	Old Mammoth Mi 88.40 43 eP	P	P	11 41 30.2 +1.5
WDC	Whiskeytown Da 88.42 39 eP	P	P	11 41 29.2 +0.9
WDC	Whiskeytown Da 88.42 39 eP	P	P	11 41 29.2 +0.9
WDC	Whiskeytown Da 88.42 39 ePmax	Pmax	Pmax	11 41 29.2 +0.9
TYV	Tymovskoe 88.43 337 eP	P	P	11 41 27.5 -0.5
TYV	Tymovskoe 88.43 337 ePmax	Pmax	Pmax	11 41 27.5 -0.5
TYV	Tymovskoe 88.43 337 ePmax	Pmax	Pmax	11 41 27.5 -0.5
113A	Mohawk Valley 88.53 50 eP	P	P	11 41 30.3 +1.4
Y12C	Blythe 88.65 49 eP	P	P	11 41 31.4 +1.9
WAKR	Walker 88.74 43 eP	P	P	11 41 31.2 +1.1
LDFC	Landfair 89.12 47 eP	P	P	11 41 33.9 +2.1
BEKR	Beckworth 89.14 41 eP	P	P	11 41 32.1 +0.2
YBH	Yreka Blue Hor 89.14 38 P	P	P	11 41 30.9 -0.9
YBH	Yreka Blue Hor 89.14 38 eP	P	P	11 41 33.3 +1.6
YBH	Yreka Blue Hor 89.14 38 eP	P	P	11 41 33.3 +1.6
NV01	Mina Array Sit 89.36 43 eP	P	P	11 41 32.2 +0.2
NVAR	Mina Array Bea 89.36 43 eP	P	P	11 41 32.4 -0.6
NVAR	Mina Array Bea 89.36 43 eP	P	P	12 18 19.9
NV11	Mina Array Sit 89.44 43 eP	P	P	11 41 34.0 +0.7
PAHR	PAH Range 89.58 42 eP	P	P	11 41 35.1 +1.2
PAHR	PAH Range 89.58 42 eP	P	P	11 41 44.3 -0.8
TPNV	Topopah Spring 89.61 45 eP	P	P	11 41 35.4 +1.2
TPNV	Topopah Spring 89.61 45 eP	P	P	11 41 35.4 +1.2
TPNV	Topopah Spring 89.61 45 ePmax	Pmax	Pmax	11 41 35.4 +1.2
HUMO	Hull Mountain 89.62 38 eP	P	P	11 41 35.5 +1.6
KVN	Kaiserville 89.69 43 eP	P	P	11 41 35.9 +0.4
KVN	Kaiserville 89.69 43 eP	P	P	11 41 35.9 +0.4
KVN	Kaiserville 89.69 43 ePmax	Pmax	Pmax	11 41 35.9 +0.4
TIA	Tai'an 89.90 313 P	P	P	11 41 35.4 +0.1
TIA	Tai'an 89.90 313 ePmax	Pmax	Pmax	11 41 35.4 +0.1
W13A	Hualapai Mount 89.92 48 eP	P	P	11 41 37.2 +1.6
SHPR	Sheep Range 90.00 46 eP	P	P	11 41 37.5 +1.5
TUC	Tucson 90.23 52 eP	P	P	11 41 39.2 +2.1
TUC	Tucson 90.23 52 eP	P	P	11 41 39.2 +2.1
TUC	Tucson 90.23 52 ePmax	Pmax	Pmax	11 41 39.2 +2.1
CN2	Changchun 90.26 323 eP	P	P	11 41 37.0 +0.2
CN2	Changchun 90.26 323 eP	P	P	11 41 44.0 -4.0
CN2	Changchun 90.26 323 ePmax	Pmax	Pmax	11 41 44.0 -4.0

MOD	comp-Z,20nm,1.0s	90.56 40 eP	P	11 41 39.0 +0.5
GRNR	Modoc Plateau 90.56 40 eP	P	P	11 41 42.0 +3.8
GRNR	Gornyy 90.60 334 eP	Pmax	Pmax	11 41 42.0 +3.8
319A	comp-Z,80nm,1.5s	90.69 53 eP	P	11 41 41.2 +1.9
K05A	comp-Z,5.8nm,0.9s	90.80 39 eP	P	11 41 40.5 +0.9
X16A	comp-Z,9.4nm,1.0s	91.07 50 eP	P	11 41 43.0 +1.9
GYA	comp-Z,2.5nm,0.9s	91.23 300 eP	Pmax	11 41 43.3 +1.4
GYA	Guiyang 91.23 300 ePmax	Pmax	Pmax	11 41 43.3 +1.4
KLR	comp			

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FLN La Foiniere, QUIL Quistinic, LDF La Druitiere, etc.

PGC 17 14:02:56.1-0.8,50.60N,130.30W,h10km,ML,SN2,9/20, Mw3.5/20,Mw3.5/20,204km west of Pt. Hardy, BC Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOLB Holberg, BPBC Brooks Peninsula, PHC Port Hardy, etc.

IDC 17 14:06:52.0-2.1,24.125x175.01W,h0km,mb4.3/5, mb1 4.4/7,mb1mx3.9/43,mbtmpr4.4/7,ML3.8/2, Error ellipse: s-maj=68.6km s-min=30.2km az=150.0

ISCJBJ 17 14:06:53.0-1.0,24.1S:0.2-174.9W:0.1,h24km,mb4.3/5, Error ellipse: s-maj=29.9km s-min=13.6km az=154.2

ISC 17 14:06:55.1-1.1,24.25S:0.2-174.9W:0.1,h24km,n7, #0887/4,mb4.25,South of Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, RAR Rarotonga, CTA Charters Tower, etc.

ISCJBJ 17 14:08:20.2-0.9,1.59N:0.08x126.54E:0.07,h47km, mb3.9/5, Error ellipse: s-maj=13.6km s-min=6.8km az=33.3

IDC 17 14:08:23.7-3.1,1.54N:126.59E,h68km,27km,mb3.6/5, mb1 3.7/6,mb1mx3.3/57,mbtmpr3.8/6, Error ellipse: s-maj=84.6km s-min=13.0km az=68.0

DJA 17 14:08:23.0-0.5,1.5N:5.127E,h45km,60km,M3.9/8, mb4.5/1,mb4.2/2,MLV3.8/8,MW(MB)3/1

ISC 17 14:08:22.2-1.2,1.5N:0.1x126.55E:0.07,h47km,n14, #111/18,mb3.9/5,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNTI Ternate, LBMI Labuha, KMSI Cibirong, etc.

ISCJBJ 17 14:12:02.7-0.5,33.30N:0.03x35E:0.04,h117km,6km, Error ellipse: s-maj=6.6km s-min=3.1km az=32.3

CSEM 17 14:12:04.3,33.30N:35.40E,h4km,ML2.7

GRAL 17 14:12:04.3,33.30N:35.40E,h5km,3km,MD2.7

ISC 17 14:12:03.0-0.9,33.30N:0.03x35E:0.04,h15km,8km, n24, #957/39, Jordan-Syria region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSDI Kefar Szold, HNTI Hanita, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MFAA Mouvent Meron ar, NATI Neve Ativ, NHTI Chebaa, etc.

RSNC 17 14:19:02.6-0.9,2.86N:74.82W,h4km,4km,ML3.3,Mw3.5, Colombia

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

IDC 17 14:42:49.0-1.9,79.28N:1.97E,h0km,mb3.7/7, mb1 3.7/11,mb1mx3.5/65,mbtmpr3.7/11,ML3.0/3,MS3.0/12, Ms1 3.0/12,ms1mx2.8/62, Error ellipse: s-maj=36.2km s-min=22.9km az=136.0

BER 17 14:42:52.0-2.3,79.74N:3.89E,h31km,189km,ML2.8, ML3.3(NAO)

NAO 17 14:42:53.4-1.4,79.71N:5.79E,h11km,17km,ML3.3

ISC 17 14:42:52.5-1.5,79.22N:0.2x3.9E:0.1,h10km,n26, #153/22,mb3.87,MS2.9/8,Greenland Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBS Kingsbay, SPA0 Spitsbergen Arr, SPA0 Spitsbergen Arr, etc.

DAG Danmarks Havn 5.28 254 i P Pn 14 44 03.8 -7.4

ARAO ARCESS Array S 11.18 138 Pn Pn 14 45 33.6 +1.5

ARAO ARCESS Array B 11.18 138 Pn Pn 14 45 34.0 +1.9

SFJD Kangerlussuaq 18.91 261 LR 14 54 48.9

FINES FINES Array B 19.05 146 P P 14 47 15.5 +1.1

FINES HFS Hagfors 19.95 165 P LR 14 47 17.8 -0.3

HFS Resolute Bay 20.11 310 LR 14 55 06.8

EKA Eskdalemuir Arr 24.09 190 P P 14 48 05.7 -1.9

FRB Frofisher Bay 25.20 275 LR 14 57 09.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKASO Malin Array Be, BVAR Borovoye Array, etc.

IDC 17 14:57:35.6-1.7,31.04S:178.90W,h0km,mb4.1/5, mb1 4.2/6,mb1mx3.8/40,mbtmpr4.1/6,ML3.8/1,MS3.1/2, Ms1 3.1/2,ms1mx2.7/43, Error ellipse: s-maj=41.1km s-min=25.8km az=55.0

NEIC 17 14:57:37.2-0.6,31.02S:178.93W,h10km,mb4.3/2, Error ellipse: s-maj=17.2km s-min=11.0km az=109.0

ISCJBJ 17 14:57:38.8-0.8,31.06S:0.08x178.9W:0.2,h33km, mb4.0/7,MS3.1/1, Error ellipse: s-maj=20.9km s-min=9.7km az=18.0

ISC 17 14:57:40.6-0.9,31.05S:0.1x178.9W:0.2,h35km,n13, #1800/27,mb4.1/7,Kermadec Islands

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

DJA 17 15:08:41.4-1.1,8.5S:107E,h2km,9km,M3.8/8, MLV3.8/Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKJI Sukabumi, DBJI Dragama, CGJI Cibirong, etc.

DDA 17 15:16:23.6,38.06N:38.23E,h7km,ML2.8

ISK 17 15:16:23.7,38.16N:38.11E,h10km,ML2.3/4

ISCJBJ 17 15:16:24.9-0.6,38.11N:0.02x38.21E:0.04,h10km,4km, Error ellipse: s-maj=5.3km s-min=4.0km az=179.6

CSEM 17 15:16:24.5-0.2,38.12N:38.21E,h10km,ML2.3, Error ellipse: s-maj=5.1km s-min=3.8km az=110.0

ISC 17 15:16:24.4-0.9,38.13N:0.02x38.19E:0.02,h16km,7km, n25, #14/15, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MALT Malatya, AKCD Akcadag, ELZG Elazig, etc.

DJA 17 15:23:05.7-1.1,3.5S:9x129E,h13km,14km,M3.7/7, mb3.9/1,MLV3.5/7,Ceram Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSAI Masahi, AAI Ambon, LBMI Labuha, etc.

GUC 17 15:30:34.1-0.8,21.22S:70.01W,h66km,6km,ML3.8, 2C-6D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB07 IPOC Station P, PB01 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include IPOC Station P, Pisagua, IPOC Station P.

NIED 17 15:34:00, 45.60N, 151.60E, h29km, Mw3.7 Best double couple: M4.09000x1014 NP1.0x139.00000, 870.00000, 7.5.00000. NP2.0x47.00000, 886.00000, 7.160.00000.

JMA 17 15:34:45.1±0.5, 45.64N, 151.59E, h30km, M3.9 SKHL 17 15:34:45.1±1.4, 45.22N, 151.83E, h35km, mb4.3/3

ISC 17 15:34:47.3±4.4, 44.8N, 0.1x151.8E, 0.2, h35km, m21, 171/31, East of Kuril Islands

Main table of seismic stations with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Kuril'sk, Nemuro, Golovino, etc.

IDC 17 15:34:48.2±2.0, 31.55Sx179.50W, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.7/40, mbtmp3.9/4, MS3.1/3, Ms1 3.1/3, ms1mx2.8/42, Error ellipse: s-maj=58.0km

s-min=33.4km az=61.0, Kermadec Islands region

Table of seismic stations for IDC event with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Raoul Island, Mont Dzumac, etc.

NIED 17 15:52:00, 44.90N, 152.20E, h5km, Mw3.9 Best double couple: M4.48000x1014 NP1.0x59.00000, 840.00000, 7.98.00000. NP2.0x249.00000, 850.00000, 7.83.00000.

IDC 17 15:52:11.4±0.7, 44.45N, 152.61E, h0km, mb4.1/17, mb1 4.2/23, mb1mx4.0/77, mbtmp4.1/23, ML7.4, MS2.9/12, Ms1 3.0/12, ms1mx2.7/69, Error ellipse: s-maj=17.7km

s-min=14.2km az=144.0

SKHL 17 15:52:13.6±0.1, 44.41N, 152.54E, h38km, 8km, mb5.1/5

ISCJB 17 15:52:13.8±0.4, 44.44N, 0.06±152.31E, 0.5, h25km, mb4.2/32, MS3.3/8, Error ellipse: s-maj=8.9km

s-min=4.0km az=160.4

MOS 17 15:52:15.6±1.2, 44.50N, 152.40E, h40km, mb4.6/22, Error ellipse: s-maj=8.4km s-min=7.2km az=38.7

NEIC 17 15:52:16.0±0.5, 44.47N, 152.57E, h35km, mb4.3/2, Error ellipse: s-maj=11.7km s-min=7.7km az=150.0

JMA 17 15:52:16.1±0.6, 44.90N, 152.19E, h30km, M4.7

ISC 17 15:52:14.8±0.6, 44.36N, 0.07±152.45E, 0.06, h25km, m114, 1999/120, mb4.3/32, MS3.3/8, 8C-4D, East of Kuril Islands

Table of seismic stations for IDC event with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Kuril'sk, Nemuro, Golovino, etc.

Main table of seismic stations with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SHO, YUK, GRPR, NEM2, etc.

Main table of seismic stations with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ULN, SONM, TLY, ILAR, EGAK, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

17d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like TNTI Ternate, BASI Baining, WSI Waingapu, LUWI Luwuk, BAKI Blak, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ARPS Mount Arapiles, YNG Young, CAN Canberra, CNB Canberra, TOO Tooolangi, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like JIRN comp=Z,14nm,0.8s, GUN Gumba, PKIN Phulchoki, KKN Kakani, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ODEU Stanfors, MOR8, OUL, ARAO, etc.

IDC 17 17:25:24.9.2.1, 1.06N-91.99E, h0km, mb3.3/4, mb1 3.6/6, mb1mx3.3/7.1, mbtmp3.4/6, ML3.5/2, Error ellipse: s-maj=59.2km s-min=27.7km az=52.0, North Indian Ocean

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PALK, CMAR, HOS2, etc.

ISCJB 17 17:30:28.2.0.8, 38.24N-0.04:141.96E:0.08, 5.1km, 8km, mb3.3/4, Error ellipse: s-maj=10.9km s-min=5.2km az=17.4

JMA 17 17:30:29.8.0.1, 38.26N-141.85E, h47km, 1km, M3.4, IDC 17 17:30:29.3.2.2, 38.27N-142.10E, h49km, 21km, mb3.0/4, mb1 3.2/7, mb1mx3.1/69, mbtmp3.3/7, ML2.9/3, Error ellipse: s-maj=37.6km s-min=15.8km az=93.0

ISC 17 17:30:28.4.1.6, 38.22N-0.04:141.95E:0.08, h32km, 7km, h2.6, +15.25/30, mb3.4/4, Near east coast of eastern Honshu

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

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

IDC 17 17:42:22.1.0.8, 9.96S:151.93E, h0km, mb4.1/11, mb1 4.2/14, mb1mx4.0/44, mbtmp4.1/14, ML3.8/22, MS3.5/11, Ms1 3.4/11, ms1mx3.2/43, Error ellipse: s-maj=22.6km s-min=16.0km az=125.0

ISCJB 17 17:42:25.4.0.4, 9.95S:151.80E:0.07, h33km, mb4.4/22, MS3.4/9, Error ellipse: s-maj=10.3km s-min=5.8km az=19.8

NEIC 17 17:42:26.5.0.4, 9.94S:151.98E, h35km, mb4.7/13, Error ellipse: s-maj=10.5km s-min=7.3km az=118.0

ISC 17 17:42:26.4.0.5, 9.98S:151.95E:0.07, h35km, n51, c144/48, mb4.3/22, MS3.3/9, D'Entrecasteaux Islands region

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

IDC 17 17:47:37.2.2.7, 2.56S:13.9E:1.1, h21km, 27km, M3.9/6, mb4.2/22, MLV3.7/6, Irian Jaya

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

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

ISCJB 17 17:51:15.0.0.5, 31.20S:0.05:179.21W:0.09, h10km, mb4.5/16, MS3.5/3, Error ellipse: s-maj=12.5km s-min=6.1km az=23.5

NEIC 17 17:51:15.8.0.6, 31.39S:179.20W, h10km, mb4.7/10, Error ellipse: s-maj=18.3km s-min=8.8km az=105.0

IDC 17 17:51:15.3.0.8, 31.15S:179.24W, h0km, mb4.2/8, TH1 4.4/10, mb1mx4.1/45, mbtmp4.2/10, ML3.6/2, MS3.5/5, Ms1 3.5/5, ms1mx3.0/49, Error ellipse: s-maj=23.7km s-min=20.3km az=119.0

ISC 17 17:51:16.4.0.6, 31.13S:0.07:179.2W:0.1, h10km, n44, s194/39, mb4.5/16, MS3.5/3, Kermadec Islands region

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

ISCJB 17 17:57:41.9.0.8, 46.0N:0.1:153.9E:0.1, h10km, mb3.8/9, Error ellipse: s-maj=18.2km s-min=9.2km az=153.9

IDC 17 17:57:42.2.0.9, 46.03N:154.01E, h0km, mb3.8/9, mb1 3.8/11, mb1mx3.6/72, mbtmp3.7/11, ML3.0/1, Error ellipse: s-maj=25.9km s-min=20.9km az=85.0

SKHL 17 17:58:10.0.0.3, 45.24N:152.70E, h45km, 1km, mb4.3/3, IDC 17 17:57:42.9.0.9, 45.9N:0.1:153.94E:0.09, h10km, n16, c197/19, mb3.7/9, East of Kuril Islands

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

ASAR Alice Springs 71.55 199 P P 18 09 06.5 +2.5
TXAR Lajitas Array 77.43 61 P P 18 09 38.1 -0.3
MMAI Mount Meron Ar 83.83 312 P P 18 10 12.9 +0.2
PLCA Paso Flores 147.54 97 PKPbc PKPab 18 17 28.0 -1.0

TRN 17 18:35:23.2, 10.83N-61.05W, h60km, MD3.7, 1C-4D, Trinidad

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TBH Brigand Hill, TRN Trinidad (W), TPP Pointe-a-Pierr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UPC comp=Z,18nm,0.6s, KSP Ksiaz, KECS Kecovo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MK01 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, etc.

JMA 17 18:48:23.0, 0.2, 23.97N, 121.65E, h0km, M2.6
ISCJB 17 18:48:24.9, 0.3, 23.97N, 121.66E, 0.02, h9km, 2km, Error ellipse: s-maj=2.7km s-min=1.9km az=32.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HWA Hwalian, ENLBA Shoufeng, ENLBS Shoufeng, etc.

ISCJB 17 18:37:06.9, 0.3, 49.81N, 0.02, 18.44E, 0.02, h0km, Error ellipse: s-maj=3.2km s-min=2.0km az=16.7

CSEM 17 18:37:08.1, 0.2, 49.81N, 18.48E, h1km, ML2.8/10, Error ellipse: s-maj=6.2km s-min=2.9km az=14.0

IPCC 17 18:37:08.2, 0.2, 49.82N, 18.59E, h0km, Error ellipse: s-maj=1.7km s-min=1.1km az=163.0

PRU 17 18:37:09.0, 49.82N, 18.49E, h0km Error ellipse: s-maj=7.1km s-min=5.9km az=88.0 30 km SSE of Ostrava Suspected Mining induced.

ISC 17 18:37:08.0, 0.7, 49.80N, 0.02, 18.51E, 0.02, h0km, n61, 0.656/11.9, 9C-6D, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OKC Ostrava-Krasne, CHZP Chorow, MORC Moravsky Berou, etc.

DJA 17 18:43:58.2, 0.4, 9.5S, 11.6E, h93km, 7km, M4.0/16, mb4.2/3, MLv3.9/16, South of Bali

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DNP Denpasar, TWSI Taliwang, SRBI Singaraja, etc.

ISCJB 17 18:48:07.4, 0.5, 2.26N, 0.06, 93.22E, 0.05, h10km, mb4.3/13, Error ellipse: s-maj=9.5km s-min=5.8km

IDC 17 18:48:08.8, 1.7, 2.40N, 93.55E, h0km, mb3.8/6, mb1.4/0/8, mb1mx3.6/67, mbmp3.9/8, ML4.0/2, Error ellipse: s-maj=56.5km s-min=20.6km az=56.0

NEIC 17 18:48:09.2, 0.5, 2.26N, 93.22E, h10km, mb4.7/9, Error ellipse: s-maj=10.3km s-min=7.0km az=221.0

DJA 17 18:48:17.3, 0.8, 2.5N, 9.4E, h10km, M4.3/7, mb5.7/1, mb4.5/6, MLv4.3/7, Mw(mb)5.2/1

ISC 17 18:48:08.6, 0.7, 2.29N, 0.07, 93.26E, 0.05, h10km, n50, 0.2583/52, mb4.3/13, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNI Sinabang, Aceh, MSLH Meulaboh, Aceh, BSI Banda Aceh, etc.

ISCJB 17 18:48:24.9, 0.3, 23.97N, 121.66E, 0.02, h9km, 2km, Error ellipse: s-maj=2.7km s-min=1.9km az=32.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NANB Nanau, NANB Nanau, TWT Tachien, etc.

17d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ELDTW Lidau, PTBS Yuanli, WCHH Zhanghua, etc.

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

ISCJB 17 19:06:46.9±1.0, 1.71S; 0.08:99.11E; 0.09, h35km, mb3.4/3, Error ellipse: s-maj=16.0km s-min=6.2km az=139.0

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SISI Saiba, PPSI Pulau Pagai, etc.

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

ISC 17 19:19:35.0±0.7, 31.161S; 179.02W, h0km, mb4.0/5, mb1.4/2.5, mb1mx3.8/39, mbtmp4.0/5, Error ellipse: s-maj=83.4km s-min=28.1km az=41.0, Kermadec Islands region

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

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

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

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

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

ISCJB 17 19:06:46.9±1.0, 1.71S; 0.08:99.11E; 0.09, h35km, mb3.4/3, Error ellipse: s-maj=16.0km s-min=6.2km az=139.0

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RUGZ Raukumara Rang, OUZ Omahuta, etc.

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

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

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

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

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

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

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

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

MAN 17 19:49:33.8, 9.94N, 123.19E, h3km, mb4.2, ML3.0, MS2.7, 1C, Negros

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sibulan, Tagbilaran, Lapu-Lapu, etc.

NIED 17 19:50:00.44, 9.0N, 124.30E, h5km, Mw3.9 Best double couple: Mb8.73000, 1.014 NP1.0s13.00000, 0.2300000, 1.100.00000, NP2.0s182.00000, 0.6700000, 0.8600000

ISC 17 19:50:17.0, 0.6, 44.95N, 142.11E, h0km, mb3.8/1.3, mb1.4, 0.15, mb1mx3.8/7.0, mbtmp3.8/15, ML3.2, MS3.1/3, Ms1.3, 1.7, ms1mx2.5/8, Error ellipse: s-maj=16.0km s-min=9.7km az=60.0

ISCJB 17 19:50:20.0, 0.3, 44.81N, 142.05E, h3km, mb3.9/19, MS3.1/1, Error ellipse: s-maj=5.6km s-min=4.5km az=176.8

JMA 17 19:50:19.0, 44.84N, 142.15E, h0km, M4.1 Broadband fault plane solution: P waves. NP1.0s172.00000, 0.61.00000, 0.78.00000, NP2.0s17.00000, 0.31.00000, 1.11.00000, Principal axes: T P1g71.0000, Azm54.0000, N P1g11.0000, Azm178.0000, P P1g15.0000, Azm271.0000

NEIC 17 19:50:22.0, 0.3, 44.85N, 142.03E, h3km, mb4.3/7 Error ellipse: s-maj=8.3km s-min=6.6km az=124.0 NEIC Recorded [3 JMA] in northern Hokkaido.

ISC 17 19:50:21.9, 0.5, 44.82N, 142.04E, h3km, mb5.4, 0.1841/55, mb4.0/19, 1C-SD, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Soyaes, Shosan, Keihoku, Yagishiri, Rishiri, Asahikawa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NORSAR Array S, Dillon, Pah Range, Kaiserville, etc.

ISC 17 19:56:26.5, 3.0, 3.05S, 135.90E, h0km, mb3.4/2, mb1.3/6.3, mb1mx3.2/5.0, mbtmp3.5/3, ML3.5/1, Error ellipse: s-maj=125.8km s-min=29.5km az=80.0, Irian Jaya region

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

ISK 17 19:57:11.9, 36.97N, 29.34E, h6km, ML2.7/3 ISCJB 17 19:57:13.0, 0.5, 36.92N, 29.32E, 0.03, h0km, Error ellipse: s-maj=4.2km s-min=0.03m az=10.4 DDA 17 19:57:12.0, 36.90N, 29.37E, h7km, ML2.4, Suspected Mining explosion.

CSEM 17 19:57:12.0, 0.2, 36.92N, 29.33E, h1km, ML2.4, Error ellipse: s-maj=5.0km s-min=4.5km az=18.0, Suspected Mining explosion.

ISC 17 19:57:10.5, 1.0, 36.90N, 29.36E, 0.03, h0km, n20, 0.654/36, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Fethiye, Golhisar, Elmali, Dalyan, etc.

ISCJB 17 19:57:12.3, 1.0, 23.7S, 0.2, 115.5W, 0.2, h10km, mb4.0/7, Error ellipse: s-maj=29.3km s-min=25.0km az=5.3

ISC 17 19:57:12.3, 0.7, 23.76S, 115.56W, h0km, mb4.1/7, mb1.4/3.7, mb1mx4.0/4.0, mbtmp4.0/7, MS3.8/1, Ms1.3/8.1, ms1mx3.2/3.7, Error ellipse: s-maj=31.0km s-min=22.8km az=48.0

ISC 17 19:57:14.1, 0.8, 23.7S, 0.2, 115.5W, 0.2, h10km, n21, 0.659/14, mb4.0/6, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Rapa Nui, Paso Flores, La Paz, etc.

ISC 17 19:58:47.4, 0.8, 21.99N, 120.41E, h0km, mb3.9/11, mb1.4, 0.11, mb1mx3.7/6.6, mbtmp3.9/11, MS2.9/7, Ms1.2, 9.7, ms1mx2.7/6.3, Error ellipse: s-maj=36.0km s-min=17.3km az=64.0

NEIC 17 19:58:49.0, 3.3, 22.00N, 120.41E, h12km, 2.1km, mb4.5/10, Error ellipse: s-maj=8.8km s-min=5.5km az=64.0

ISCJB 17 19:58:50.9, 0.3, 22.07N, 120.38E, 0.02, h43km, 2km, mb4.1/21, MS2.8/2, Error ellipse: s-maj=3.4km s-min=2.6km az=176.8

TAP 17 19:58:50.9, 22.07N, 120.39E, h45km, ML4.1, C JMA 17 19:58:51.2, 0.2, 22.05N, 120.44E, h63km, 3km, M3.8

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

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

Table with columns: TYC, Yuchr, 1.89 14 eP, Pn, 19 59 21.1 -1.1, etc. Lists various astronomical objects and their coordinates.

Table with columns: SONM, 1.2nm, 0.6s, baz=158, slow=9.7, SNR=8.2, LR, 20 17 15.5, etc. Lists astronomical objects with detailed parameters.

Table with columns: LTX, comp=Z, 153nm, 19.3s, baz=0.0, slow=37, 40nm, 0.8s, etc. Lists astronomical objects with detailed parameters.

MAN 17 20:01:19.1, 9.92N, 123.18E, h1km, mb4.0, ML2.8, MS2.4, 1C, Negros

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists station data for the MAN event.

BUI 17 20:01:30.0, 16.50N, 98.70W, h21km, Ms4.8/1, Ms7.4/4/1

ISCJB 17 20:01:31.4, 0.3, 16.57N, 0.03, 98.64W, 0.02, h33km, mb4.5/120, MS3.8/3, Error ellipse: s-maj=4.8km

MEX 17 20:01:32.2, 0.6, 16.42N, 98.90W, h13km, 5km, MD4.5

NEIC 17 20:01:34.5, 0.5, 16.65N, 98.63W, h36km, 3km, mb4.5/148, MD4.5(MEX), Error ellipse: s-maj=5.5km s-min=3.0km

az=200.0

IDC 17 20:01:34.5, 6.5, 16.66N, 98.66W, h35km, 45km, mb4.1/8, mb1.4/4/1, mb1mx0.0/47, mbtmp4.2/11, ML3.9/3, MS3.7/5, Ms1.3/7.5, ms1mx3.2/44, Error ellipse: s-maj=47.9km

az=200.0

ISC 17 20:01:30.3, 1.2, 16.45N, 0.05, 98.89W, 0.03, h17km, 8km, mb4.93, 1941/504, mb4.5/120, MS3.7/3, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists station data for the BUI event.

657A	Interlachen baz=234	20.37	47	P	P	20 06 04.0	-2.2	Y54A	Tignall baz=224,SNR=24	22.65	37	P	P	20 06 28.6	-2.1	WCI	Wyandotte Cave 27nm,0.8s	24.36	25	eP	P	20 06 46.6	-0.9
V42A	Cord baz=200,SNR=9.9	20.40	18	P	P	20 06 04.8	-1.7	T46A	Princeton baz=208	22.70	23	P	P	20 06 28.9	-2.4	O40A	La Belle baz=196	24.36	13	P	P	20 06 46.3	-1.2
TIGA	Triton baz=226	20.41	40	P	P	20 06 04.3	-2.3	FVM	French Village 11nm,0.8s	22.71	18	eP	P	20 06 31.2	-0.1	S49A	Springfield baz=213	24.40	27	P	P	20 06 46.8	-1.1
Z50A	Ashland baz=218,SNR=7.1	20.42	33	P	P	20 06 06.0	-0.7	R41A	Rosebud baz=198,SNR=7.6	22.74	15	P	P	20 06 30.2	-1.5	MTPU	Mount Pierson Passleys Farm, baz=196,SNR=6.8	24.48	334	eP	P	20 06 50.4	+1.3
Z50A	Ashland 23nm,0.8s	20.42	33	eP	P	20 06 04.0	-2.8	V50A	Pikeville baz=196	22.75	30	P	P	20 06 28.9	-2.9	O41A	Sheep Range 11nm,1.4s	24.58	15	P	P	20 06 48.1	-1.4
U93A	Green Forest baz=194,SNR=17	20.42	13	P	P	20 06 05.3	-1.4	MNP2	Monument Peak baz=131,SNR=5.7	22.78	319	P	P	20 06 34.2	+1.7	SHPR	Sheep Range 11nm,1.4s	24.65	327	eP	P	20 06 52.7	+2.3
X47A	Russelville baz=211	20.53	27	P	P	20 06 06.6	-1.4	U48A	Cassie Pea, Po baz=212,SNR=8.5	22.79	26	P	P	20 06 30.9	-1.3	N38A	Joes South For baz=192	24.74	10	P	P	20 06 49.5	-1.5
U40A	Yellville baz=196,SNR=21	20.54	14	P	P	20 06 06.6	-1.4	S44A	Carbondale baz=204	22.80	20	P	P	20 06 30.1	-2.2	SRU	San Rafael Swe 29nm,0.9s	24.76	338	eP	P	20 06 52.7	+1.3
X18A	Snowflake 14nm,1.0s	20.55	333	eP	P	20 06 10.2	+1.7	SIUC	Southern Illin Lake,0.8s	22.83	20	eP	P	20 06 31.2	-1.4	MSU	Marysvalle baz=218	24.88	335	eP	P	20 06 55.0	+2.5
152A	Waverly Hall baz=221,SNR=5.4	20.62	36	eP	P	20 06 07.1	-1.8	CPT	Cooper Cave 38nm,0.8s	22.86	31	eP	P	20 06 32.3	-0.6	T52A	Hallie baz=218	24.92	31	P	P	20 06 51.0	-1.7
152A	Waverly Hall 18nm,0.8s	20.62	36	eP	P	20 06 07.3	-1.6	R42A	Luebbering baz=200,SNR=5.2	22.88	17	P	P	20 06 32.1	-1.0	N39A	Derby Farms, D baz=194,SNR=7.5	24.96	12	P	P	20 06 51.9	-1.0
Y49A	Blount Mountai baz=216	20.65	31	P	P	20 06 07.9	-1.4	W52A	Wagonville 38nm,1.0s	22.88	33	eP	P	20 06 31.7	-1.5	O20A	White River Ci 4nm,0.8s	24.96	343	eP	P	20 06 54.8	+1.7
Y49A	Blount Mountai 16nm,0.8s	20.65	31	eP	P	20 06 07.7	-1.6	IRM	Iron Mountain baz=136,SNR=8.8	22.89	323	P	P	20 06 35.0	+1.6	P45A	Graceland, Par baz=206	24.96	21	P	P	20 06 52.2	-0.7
U41A	Viola baz=199,SNR=7.3	20.76	16	P	P	20 06 09.1	-1.3	Q38A	Cooks Store, C 22.91	11	P	P	20 06 31.7	-1.5	P45A	Graceland, Par 18nm,0.9s	24.96	21	eP	P	20 06 51.8	-1.2	
PLAL	Pickwick Lake 28nm,0.9s	20.84	26	eP	P	20 06 09.5	-1.8	W13A	Hualapai Mount 6.0nm,1.0s	22.91	327	eP	P	20 06 35.2	+1.6	S51A	Beattyville baz=216,SNR=9.7	25.05	30	eP	P	20 06 52.3	-1.5
X48A	Hartselle baz=213,SNR=7.4	20.84	28	eP	P	20 06 09.2	-2.1	T47A	Sharon Grove baz=210,SNR=8.5	22.96	25	P	P	20 06 33.0	-1.0	S51A	Beattyville 46nm,1.0s	25.05	30	eP	P	20 06 52.9	-0.9
X48A	Hartselle 29nm,0.9s	20.84	28	eP	P	20 06 09.5	-1.8	T47A	Sharon Grove 27nm,0.8s	22.96	25	eP	P	20 06 33.6	-0.4	EDW2	Edwards Air Fo baz=132	25.08	321	P	P	20 06 55.8	+1.5
Z51A	Franklin baz=219	20.86	34	P	P	20 06 10.2	-1.3	Q24A	Divide baz=164	23.09	347	P	P	20 06 34.1	-1.5	N23A	Red Feather La baz=163,SNR=11	25.11	347	eP	P	20 06 55.1	+0.5
T38A	Diamond baz=192	20.90	10	P	P	20 06 10.7	-1.3	R39A	Willow Grove F baz=194	23.09	12	P	P	20 06 33.8	-1.6	N23A	Red Feather La 12nm,0.8s	25.11	347	eP	P	20 06 55.7	+1.1
254A	Abbeville baz=226,SNR=6.9	20.94	40	P	P	20 06 10.3	-2.1	Q3A	Red Bud baz=202	23.12	18	P	P	20 06 34.1	-1.6	N41A	Harden Midlan baz=198,SNR=6.3	25.15	14	P	P	20 06 53.2	-1.5
U42A	Reverend baz=200,SNR=16	20.95	17	P	P	20 06 11.0	-1.5	U15A	North Rim 14nm,1.1s	23.18	332	eP	P	20 06 38.4	+1.7	N41A	Harden Midlan 26nm,0.9s	25.15	14	eP	P	20 06 53.4	-1.3
Y50A	Piedmont baz=217	21.02	32	P	P	20 06 11.4	-1.8	V51A	Loudon baz=217,SNR=6.1	23.22	31	P	P	20 06 36.2	-0.5	N40A	Mertquake, Sal baz=196,SNR=5.4	25.15	13	P	P	20 06 52.9	-1.7
T39A	Cleaver baz=194	21.06	12	P	P	20 06 11.9	-1.8	V51A	Loudon 33nm,0.9s	23.22	31	eP	P	20 06 36.1	-0.5	TMUT	Trail Mountain 34nm,1.0s	25.18	337	eP	P	20 06 56.7	+1.4
113A	Mohawk Valley, 6.5nm,0.9s	21.10	323	eP	P	20 06 16.1	+2.1	Q40A	Laux Farm, Aux baz=196,SNR=5.6	23.24	14	P	P	20 06 35.8	-0.9	Q48A	North Vernon baz=210,SNR=8.7	25.18	28	P	P	20 06 53.4	-1.6
X16A	Lo Mia Camp, P 15nm,0.8s	21.14	330	eP	P	20 06 17.1	+2.3	BELC	Belle Mtn. Jos baz=192	23.28	322	P	P	20 06 38.3	+0.8	R50A	Paris baz=214	25.23	28	P	P	20 06 54.7	-0.7
T25A	Trinidad baz=164,SNR=26	21.18	348	P	P	20 06 15.8	+0.7	FRD	Ford Ranch, An baz=132	23.30	320	P	P	20 06 38.5	+0.9	O44A	Manfield baz=204	25.29	19	P	P	20 06 55.5	-0.5
T25A	Trinidad 32nm,0.9s	21.18	348	eP	P	20 06 16.4	+1.2	PV13	Radium Mtn., P 13nm,0.8s	23.32	340	eP	P	20 06 38.5	+0.6	S52A	Salyersville baz=204	25.33	30	P	P	20 06 55.1	-1.2
Z52A	Williamson baz=221	21.18	35	P	P	20 06 12.0	-3.0	S46A	Don Dixon Farm baz=208	23.33	23	P	P	20 06 36.2	-1.5	M38A	Pleasantville baz=192	25.36	10	P	P	20 06 55.7	-0.8
X49A	Woodville baz=215,SNR=10	21.22	30	P	P	20 06 13.4	-2.0	V02	Paradox Valley 13nm,0.9s	23.34	340	eP	P	20 06 39.1	+1.0	PHWY	Pilot Hill 6.5nm,1.0s	25.40	348	eP	P	20 06 57.7	+0.4
W47A	Westport baz=211	21.27	26	P	P	20 06 15.2	-0.7	BG3	Lake Cassee 27nm,0.8s	23.34	35	eP	P	20 06 37.0	-0.9	HDIL	Hopedale baz=201	25.42	17	P	P	20 06 56.7	-0.4
Y51A	Rockmart baz=219,SNR=8.2	21.37	33	P	P	20 06 15.7	-1.3	PV05	Paradox Valley W53A	23.34	339	eP	P	20 06 39.5	+1.4	HDIL	Hopedale baz=201	25.42	17	eP	P	20 06 56.5	-0.6
T40A	Manfield baz=196	21.37	14	P	P	20 06 15.4	-1.6	W53A	Cullowhee baz=221,SNR=8.0	23.35	34	P	P	20 06 36.4	-1.7	N42A	Yates City baz=200	25.47	16	P	P	20 06 56.8	-0.8
T41A	Mountain View baz=198,SNR=14	21.46	16	P	P	20 06 16.5	-1.5	R44A	Watsonville baz=204	23.36	20	P	P	20 06 35.9	-2.1	FURC	Furnace Creek, baz=136	25.53	325	P	P	20 07 00.0	+1.9
W48A	Pulaski baz=212	21.46	28	P	P	20 06 16.2	-1.8	P37A	Lathrop baz=190	23.39	9	P	P	20 06 37.3	-1.0	TPNV	Topopah Spring baz=138,SNR=5.1	25.55	326	P	P	20 06 59.6	+1.0
X50B	Fort Payne baz=216,SNR=9.3	21.51	31	P	P	20 06 16.6	-2.0	Q41A	Truxton baz=198,SNR=9.8	23.40	15	P	P	20 06 36.1	-2.3	TPNV	Topopah Spring 11nm,1.0s	25.55	326	eP	P	20 07 00.4	+1.9
154A	Montrose baz=225	21.52	39	P	P	20 06 16.5	-2.1	TKL	Tuckaleechee C 20nm,1.0s, baz=219,slow=4.1,SNR=8.7	23.40	32	P	P	20 06 37.7	-0.8	R51A	Hillsboro baz=216,SNR=5.2	25.59	29	P	P	20 06 57.2	-1.4
154A	Montrose 56nm,0.8s	21.52	39	eP	P	20 06 17.5	-1.1	TKL	comp=Z.76nm,20.4s, baz=224,slow=4.3,LR	23.40	32	eP	LR	20 18 13.8		Q49A	Aurora baz=212,SNR=5.5	25.59	26	P	P	20 06 57.9	-0.8
S38A	Stockton baz=192	21.55	11	P	P	20 06 17.3	-1.6	TKL	Tuckaleechee C 52nm,1.4s	23.40	32	eP	P	20 06 37.3	-1.1	M39A	Webster baz=194	25.60	12	P	P	20 06 57.2	-1.5
Y14A	Wickenburg 15nm,1.0s	21.55	326	eP	P	20 06 21.0	+1.9	PV03	Paradox Valley baz=208	23.42	340	eP	P	20 06 39.7	+0.8	O45A	Potomac baz=193,SNR=9.2	25.62	20	P	P	20 06 58.5	-0.4
PBMO	Poplar Bluff 25nm,0.6s	21.59	19	eP	P	20 06 17.3	-2.0	PV18	Skein Mesa, Pa 11nm,1.0s	23.43	340	eP	P	20 06 39.6	+0.6	M40A	Post Highland baz=196	25.67	13	P	P	20 06 58.8	-0.5
T42A	Van Buren baz=200,SNR=12	21.63	17	P	P	20 06 18.0	-1.7	PV12	Saucer Basin, 13nm,0.9s	23.46	340	eP	P	20 06 39.9	+0.6	P48A	Milroy baz=210	25.76	25	P	P	20 06 59.2	-1.0
T42A	Van Buren 15nm,0.8s	21.63	17	eP	P	20 06 17.8	-2.0	PV17	East Wray Mesa 4.4nm,0.9s	23.48	340	eP	P	20 06 40.2	+0.8	N43A	Stutzman Famil baz=201	25.81	17	P	P	20 06 59.8	-0.8
S39A	Bolivar baz=194,SNR=8.3	21.72	12	P	P	20 06 19.0	-1.7	PV16	Nyswonger Mesa 14nm,1.3s	23.49	340	eP	P	20 06 39.1	-0.5	DAC	Darwin (Calif) 4.9nm,1.0s	25.81	323	eP	P	20 06 59.7	-1.2
S39A	Bolivar 12nm,0.7s	21.72	12	eP	P	20 06 19.0	-1.7	PV19	Morning Glory 7.6nm,0.9s	23.51	340	eP	P	20 06 40.1	+0.4	Q50A	Georgetown baz=214,SNR=7.5	25.85	27	P	P	20 06 59.9	-1.1
Z53A	Monticello baz=223,SNR=8.9	21.72	37	P	P	20 06 18.1	-2.7	PV20	West Nyswonger 12nm,1.1s	23.54	340	eP	P	20 06 40.1	+0.1	M41A	Milan baz=198,SNR=5.5	25.86	15	P	P	20 07 00.0	-1.1
W49A	Beltville baz=214	21.75	29	P	P	20 06 19.6	-1.4	Q42A	Golden Eagle baz=200,SNR=5.9	23.54	16	P	P	20 06 38.9	-0.9	ISA	Isabella, Lake baz=192	25.90	321	P	P	20 07 03.1	+1.5
U45A	Rockin P Farm, baz=206	21.76	23	P	P	20 06 20.1	-1.1	P38A	Dawn 11nm,0.8s	23.55	10	eP	P	20 06 38.6	-1.3	ISA	Isabella, Lake 5.5nm,1.0s	25.90	321	eP	P	20 07 03.4	+1.7
S40A	Lebanon baz=196,SNR=17	21.80	14	P	P	20 06 19.8	-1.8	P39B	Salisbury baz=194,SNR=5.2	23.57	12	P	P	20 06 38.2	-1.8	SFIN	Lafayette baz=212	25.95	21	P	P	20 07 00.3	-1.6
GOGA	Godfrey baz=223,SNR=19	21.88	37	P	P	20 06 20.2	-2.3	S47A	Hartford baz=210	23.58	24	P	P	20 06 38.5	-1.6	SFIN	Lafayette 17nm,0.8s	25.95	21	eP	P	20 07 02.0	+0.1
GOGA	Godfrey 33nm,0.8s	21.88	37	eP	P	20 06 21.0	-1.5	PV14	Lion Creek, Pa 7.7nm,0.9s	23.58	340	eP	P	20 06 40.8	+0.3	L37A	Phoenix Point, baz=191	25.96	9	P	P	20 07 02.4	+0.4
Y52A	Lilburn baz=221	21.88	35	P	P	20 06 19.5	-2.9	V52A	Sevierville baz=219,SNR=7.4	23.63	32	eP	P	20 06 39.2	-1.5	MPU	Maple Canyon 7.8nm,0.9s	25.96	337	eP	P	20 07 03.0	+0.7
Y52A	Lilburn 25nm,0.8s	21.88	35	eP	P	20 06 21.0	-1.4	V52A	Sevierville 21nm,0.9s	23.63	32	eP	P	20 06 39.6	-1.1	N44A	Piper City baz=204,SNR=6.1	2					

Table with columns: ID, Name, Az, El, Azimuth, Elevation, Type, Time, Res. Includes stations like K41A Shullsburg, O50A Cable, M46A Old House Fiel, etc.

Table with columns: ID, Name, Az, El, Azimuth, Elevation, Type, Time, Res. Includes stations like LONY Lake Ozonia, HRV Adam Dzewonski, C09A Christian Ranch, etc.

Table with columns: ID, Name, Az, El, Azimuth, Elevation, Type, Time, Res. Includes stations like LHI Lord Howe Isla, RAR Rarotonga, AS01 Alice Springs, etc.

ZAIG	comp-Z,197nm,18.4s	baz=214,slow=29	47.52	16	eP	P	20 15 31.2 +1.8
PRAC	comp-Z,6.9nm,1.0s		47.62	61	eP	P	20 15 29.6 -0.6
XMAS	comp-Z,11nm,1.2s		48.31	296	eP	P	20 15 36.0 +0.6
HELIC	comp-Z,122nm,1.1s		48.62	58	eP	P	20 15 38.5 +0.3
ROSC	comp-Z,99nm,1.6s		48.74	60	LR	LR	20 31 29.5
ROSC	comp-Z,431nm,20.4s	baz=226,slow=30	48.74	60	eP	P	20 15 38.3 -0.8
RUSC	comp-Z,7.2nm,0.9s		50.36	60	eP	P	20 15 53.2 +1.6
LNIG	comp-Z,11nm,1.4s		50.39	19	eP	P	20 15 51.5 +0.5
HPIG	comp-Z,20nm,1.8s		50.90	11	eP	P	20 15 55.7 +0.7
SAML	comp-Z,18nm,1.2s		51.67	83	eP	P	20 16 00.6 -0.4
SAML	comp-Z,16nm,1.5s		51.67	83	eP	P	20 16 00.6 -0.4
EFI	comp-Z,16nm,1.5s		51.68	138	eP	P	20 16 00.0 -0.5
EFI	comp-Z,99nm,1.5s		51.68	138	eP	P	20 16 00.0 -0.5
CPUP	comp-Z,99nm,1.5s		52.17	106	P	P	20 16 04.6 +0.1
CPUP	comp-Z,3.0nm,0.9s	baz=247,slow=8.9,SNR=4.7	52.17	106	eP	P	20 16 03.8 -0.7
CPUP	comp-Z,18nm,1.5s		52.17	106	eP	P	20 16 03.8 -0.7
HSIG	comp-Z,18nm,1.5s		52.30	5	eP	P	20 16 05.5 +0.3
PMSA	comp-Z,13nm,1.0s		52.82	155	LR	LR	20 33 11.1
KVTX	comp-Z,641nm,18.9s	baz=292,slow=30	53.34	19	eP	P	20 16 13.2 +0.2
LTX	comp-Z,69nm,0.9s		53.60	12	eP	P	20 16 14.5 -0.5
LTX	comp-Z,69nm,0.9s		53.60	12	eP	P	20 16 14.5 -0.5
TX31	comp-Z,69nm,0.9s		53.60	12	eP	P	20 16 15.1 0.0
TXAR	comp-Z,1.8nm,1.0s	baz=186,slow=10,SNR=10	53.60	12	P	P	20 16 14.5 -0.5
833A	comp-Z,209nm,18.0s	baz=0,slow=31	53.64	17	P	P	20 16 16.6 +1.3
833A	comp-Z,199nm,1.5s		53.64	17	eP	P	20 16 16.7 +1.5
AFI	comp-Z,12nm,0.6s		54.19	269	eP	P	20 16 18.8 -0.9
AFI	comp-Z,18nm,1.6s		54.19	269	eP	P	20 16 18.8 -0.9
319A	comp-Z,188nm,1.6s		54.78	6	eP	P	20 16 22.6 -1.0
214A	comp-Z,61nm,1.5s		55.11	2	P	P	20 16 27.8 +1.9
TUC	comp-Z,185nm,1.5s		55.58	4	P	P	20 16 31.1 +1.8
TUC	comp-Z,17nm,1.3s		55.58	4	eP	P	20 16 29.3 0.0
JCT	comp-Z,17nm,1.3s		55.58	16	P	P	20 16 30.2 +0.8
JCT	comp-Z,197nm,1.8s		55.58	16	eP	P	20 16 29.1 -0.2
JCT	comp-Z,29nm,1.0s		55.58	16	eP	P	20 16 29.1 -0.2
MNTX	comp-Z,29nm,1.0s		55.60	10	P	P	20 16 30.4 +1.0
MNTX	comp-Z,21nm,1.3s		55.60	10	eP	P	20 16 29.1 -0.3
IKP	comp-Z,15nm,1.5s		55.77	359	P	P	20 16 32.1 +1.4
BAR	comp-Z,17nm,1.3s		55.81	358	eP	P	20 16 31.0 +0.1
113A	comp-Z,33nm,1.4s		55.89	1	eP	P	20 16 31.6 +0.2
RAO	comp-Z,15nm,1.8s		55.98	250	eP	P	20 16 33.6 +1.2
RAO	comp-Z,1um,1.5s		55.98	250	eP	P	20 16 33.6 +1.2
MONP2	comp-Z,1um,1.5s		56.01	359	P	P	20 16 34.4 +1.8
109C	comp-Z,1um,1.5s		56.03	359	P	P	20 16 34.1 +1.7
SWSC	comp-Z,1um,1.5s		56.05	358	P	P	20 16 34.4 +1.8
121A	comp-Z,1um,1.5s		56.08	8	P	P	20 16 33.6 +0.5
GLA	comp-Z,1um,1.5s		56.16	0	P	P	20 16 33.5 0.0
GLA	comp-Z,7.4nm,0.8s		56.16	0	eP	P	20 16 34.0 +0.7
GLA	comp-Z,7.4nm,0.8s		56.16	0	eP	P	20 16 34.1 +0.7
HKT	comp-Z,7.0nm,0.8s		56.22	20	eP	P	20 16 34.4 +0.6
HKT	comp-Z,66nm,2.0s		56.22	20	eP	P	20 16 34.4 +0.6
GDL2	comp-Z,66nm,2.0s		56.26	11	eP	P	20 16 33.9 -0.3
435B	comp-Z,66nm,2.0s		56.26	18	eP	P	20 16 36.5 +0.9
435B	comp-Z,65nm,1.6s		56.47	18	eP	P	20 16 35.8 +0.2
SNC	comp-Z,65nm,1.6s		56.51	356	P	P	20 16 36.9 +1.0
CISCO	comp-Z,65nm,1.6s		56.59	357	P	P	20 16 37.6 +1.1
FRD	comp-Z,65nm,1.6s		56.59	357	P	P	20 16 37.3 +0.6
XPFO	comp-Z,15nm,1.4s		56.73	359	eP	P	20 16 38.7 +1.1
PFO	comp-Z,15nm,1.4s		56.73	359	eP	P	20 16 38.9 +1.3
PFO	comp-Z,14nm,1.4s		56.73	359	eP	P	20 16 38.7 +1.1
BC3	comp-Z,14nm,1.4s		56.76	360	P	P	20 16 38.9 +1.1
Y12C	comp-Z,14nm,1.4s		56.86	1	eP	P	20 16 39.7 +1.4
Y14A	comp-Z,35nm,1.8s		57.08	2	eP	P	20 16 41.2 +1.2
BELC	comp-Z,18nm,1.3s		57.11	359	P	P	20 16 42.4 +2.1
IRM	comp-Z,18nm,1.3s		57.26	0	P	P	20 16 42.4 +1.2
PASC	comp-Z,18nm,1.3s		57.35	357	eP	P	20 16 42.4 +0.6
BFSC	comp-Z,18nm,1.3s		57.39	358	P	P	20 16 43.6 +1.3
MWC	comp-Z,25nm,1.3s		57.39	357	eP	P	20 16 42.1 -0.2
MWC	comp-Z,25nm,1.3s		57.39	357	eP	P	20 16 42.1 -0.2
X16A	comp-Z,25nm,1.3s		57.63	4	eP	P	20 16 44.8 +0.8
WHTX	comp-Z,18nm,1.5s		57.64	18	P	P	20 16 44.3 +0.4
WHTX	comp-Z,18nm,1.5s		57.64	18	eP	P	20 16 44.4 +0.4
ABTX	comp-Z,39nm,1.5s		57.67	15	P	P	20 16 44.7 +0.6
ABTX	comp-Z,18nm,1.2s		57.67	15	eP	P	20 16 44.2 +0.1
LEHM	comp-Z,18nm,1.2s		57.80	8	eP	P	20 16 45.9 +0.8
KKO	comp-Z,275nm,1.6s		57.82	314	eP	P	20 16 44.1 -1.5
RIM	comp-Z,275nm,1.6s		57.82	314	eP	P	20 16 45.7 +0.1
BNM	comp-Z,88nm,1.1s		57.83	8	eP	P	20 16 45.6 +0.1
X18A	comp-Z,21nm,1.2s		57.84	5	eP	P	20 16 46.1 +0.6
X18A	comp-Z,21nm,1.2s		57.84	5	eP	P	20 17 39.4 +1.4

UWB	Uwekahuna B	comp-Z,193nm,1.5s	57.84	314	eP	P	20 16 45.8 +0.1
UWE	Uwekahuna	comp-Z,93nm,0.9s	57.85	314	eP	P	20 16 47.5 +1.7
GMRC	Granite Mounta	baz=180	57.89	360	P	P	20 16 47.4 +1.6
HEC	Hector,Ludlow	baz=179	57.94	359	P	P	20 16 47.2 +1.1
MLH	Mauna Loa	comp-Z,126nm,1.1s	57.97	314	eP	P	20 16 45.2 -1.5
MLH	Mauna Loa	comp-Z,126nm,1.1s	57.97	314	eP	P	20 16 45.2 -1.5
LPM	Los Pinos Moun	comp-Z,2.47nm,1.0s	57.98	8	eP	P	20 16 46.1 -0.4
LAZ	Ladron	comp-Z,2.47nm,1.0s	58.01	8	eP	P	20 16 47.8 +1.1
PTGA	Pitinga	comp-Z,2.47nm,1.0s	58.04	75	eP	P	20 16 46.5 -0.6
EDW2	Edwards Air Fo	comp-Z,4.7nm,1.0s	58.05	357	P	P	20 16 47.7 +1.0
HMH	Humu'ula Sheeps	comp-Z,2.88nm,1.5s	58.11	314	eP	P	20 16 48.1 +0.3
LDFC	Landfair	comp-Z,5.2nm,0.4s	58.18	0	eP	P	20 16 49.6 +1.9
W13A	Hualapai Moun	comp-Z,13nm,1.2s	58.21	1	eP	P	20 16 48.8 +0.7
NATX	Nacogdoches	comp-Z,93nm,0.3s	58.27	21	eP	P	20 16 49.2 +0.9
MSTX	Muleshoe	baz=193	58.28	12	P	P	20 16 49.1 +0.6
MSTX	Muleshoe	comp-Z,44nm,1.5s	58.28	12	eP	P	20 16 48.3 -0.1
KNTN	Kanton	comp-Z,551nm,1.6s	58.36	282	eP	P	20 16 48.7 -0.7
341A	Kirtwood	comp-Z,63nm,1.5s	58.38	22	eP	P	20 16 48.9 -0.2
HUH	Hualalai	comp-Z,247nm,1.5s	58.40	314	eP	P	20 16 49.7 -0.1
GSC	Goldstone, Bar	baz=178	58.42	358	P	P	20 16 50.1 +0.6
GSC	Goldstone, Bar	comp-Z,29nm,1.4s	58.42	358	eP	P	20 16 50.2 +0.7
GSC	Goldstone, Bar	comp-Z,29nm,1.4s	58.42	358	eP	P	20 16 50.2 +0.7
W18A	Petrified Fore	comp-Z,29nm,1.4s	58.45	5	P	P	20 16 50.9 +1.2
W18A	Petrified Fore	comp-Z,53nm,1.8s	58.45	5	eP	P	20 16 51.0 +1.2
TASL	Snake Pit, Alb	baz=189	58.63	8	P	P	20 16 51.1 +0.1
TASM	ASI, Albuq	baz=189	58.63	8	P	P	20 16 51.6 +0.6
ANMO	Albuquerque	comp-Z,1.3nm,0.6s	58.63	8	P	P	20 16 51.4 +0.3
ANMO	Albuquerque	baz=189	58.63	8	P	P	20 37 19.8
ANMO	Albuquerque	comp-Z,311nm,20.9s	58.63	8	P	P	20 16 51.6 +0.6
ANMO	Albuquerque	comp-Z,311nm,20.9s	58.63	8	P	P	20 16 51.3 +0.3
ANMO	Albuquerque	comp-Z,5.2nm,1.2s	58.63	8	eP	P	20 16 52.2 +1.2
342A	Flagson Creek P	comp-Z,6.0nm,1.3s	58.71	23	eP	P	20 16 52.4 +1.1
WUAZ	Wupatki	comp-Z,29nm,0.7s	58.73	4	P	P	20 16 53.0 +1.3
WUAZ	Wupatki	baz=184	58.73	4	eP	P	20 16 53.0 +1.3
MHA	Mahukona	comp-Z,27nm,1.4s	58.80	314	eP	P	20 16 52.1 -0.1
MHA	Mahukona	comp-Z,27nm,1.4s	58.80	314	eP	P	20 16 52.1 -0.1
240A	Hunter Patters	comp-Z,36nm,1.1s	58.82	21	eP	P	20 16 53.4 +1.3
240A	Hunter Patters	comp-Z,36nm,1.1s	58.82	21	eP	P	20 16 53.1 +0.9
URZ	Urewera	comp-Z,616nm,19.6s	58.82	238	LR	LR	20 36 53.5
ISA	Isabella, Lake	comp-Z,161nm,0.9s	58.85	357	P	P	20 16 54.1 +1.7
ISA	Isabella, Lake	baz=176,SNR=7.1	58.85	357	eP	P	20 16 54.1 +1.7
ISA	Isabella, Lake	comp-Z,30nm,1.6s	58.85	357	eP	P	20 16 53.4 +1.0
SHOC	Shoshone, Tec	comp-Z,30nm,1.6s	59.01	359	P	P	20 16 55.0 +1.6
PAGB	Antelope Grade	baz=179	59.03	355	eP	P	20 16 54.9 +1.4
YES	Vestal, Richgr	baz=176	59.06	356	P	P	20 16 54.9 +1.2
241A	Mo Tay, Golden	comp-Z,2.2nm,1.0s	59.09	22	eP	P	20 16 55.5 +1.2
MPMC	Manitou Prospec	baz=178,SNR=11	59.20	358	P	P	20 16 56.5 +1.5
BKZ	Black Stump Fr	comp-Z,55nm,1.5s	59.20	357	eP	P	20 16 55.2 +0.2
AMTX	Amarillo	baz=194	59.38	13	P	P	20 16 56.6 +0.5
AMTX	Amarillo	comp-Z,16nm,1.0s	59.38	13	eP	P	20 16 56.1 0.0
DAC	Dart (Caif)	comp-Z,22nm,1.4s	59.42	358	eP	P	20 16 57.2 +0.7
DAC	Dart (Caif)	comp-Z,22nm,1.4s	59.42	358	eP	P	20 16 57.2 +0.7
PMPB	Monarch Peak	comp-Z,22nm,1.4s	59.55	355	eP	P	20 16 57.9 +0.6
FURC	Furnace Creek,	comp-Z,21nm,1.3s	59.59	358	P	P	20 16 59.6 +2.2
U15A	Nor Rim	comp-Z,25nm,1.2s	59.59	3	eP	P	20 16 59.3 +1.6
CWC	Cottonwood Cre	baz=177	59.60	357	P	P	20 16 59.4 +1.7
SHPR	Sheep Range	comp-Z,44nm,1.5s	59.60	360	eP	P	20 16 59.3 +1.6
PCRV	Puerto La Cruz	comp-Z,356nm,20.0s	59.63	62	LR	LR	20 38 38.9
WMOK	Wichita Mounta	comp-Z,5.2nm,1.2s	59.89	16	eP	P	20 16 59.4 -0.2
WMOK	Wichita Mounta	comp-Z,5.2nm,1.2s	59.89	16	eP	P	20 16 59.4 -0.2
059A	Moore Haven	comp-Z,6.0nm,1.1s	59.91	35	P	P	20 17 00.6 +0.7
TPNV	Topopah Spring	baz=179	60.05	359	P	P	20 17 01.4 +0.6
TPNV	Topopah Spring	comp-Z,44nm,1.5s	60.05	359	eP	P	20 17 02.7 +1.9
VBMT	Vicksburg	comp-Z,54nm,0.3s	60.13	24	eP	P	20 17 04.1 +3.0
LCMT	Little Creek M	comp-Z,8.9nm,1.2s	60.14	2	eP	P	20 17 01.6 +0.3
KNB	Kanab	comp-Z,28nm,1.4s	60.15	2	eP	P	20 17 02.3 +0.8
KNB	Kanab	comp-Z,28nm,1.4s	60.15	2	eP	P	20 17 02.3 +0.8
SAO	San Andreas Ge	comp-Z,13nm,1.2s	60.16	354	eP	P	20 17 02.1 +0.8
SAO	San Andreas Ge	comp-Z,13nm,1.2s	60.16	354	eP	P	20 17 02.1 +0.8
143A	Socs Landing,	comp-Z,33nm,0.4s	60.24	23	eP	P	20 17 02.0 +0.1
Z41A	Richland Creek	comp-Z,26nm,0.6s	60.26	22	eP	P	20 17 02.4 +0.4
BANI	Banana City</						

T38A	Diamond	63.27	19	P	P	20 17 22.5 +0.2
BDFB	Brasilia	63.27	96	eP	P	20 17 22.8 -0.2
BDFB	Brasilia	63.27	96	eP	P	20 17 22.8 -0.2
DUG	Dugway, Tooele	63.33	2	P	P	20 17 23.3 +0.6
DUG	Dugway, Tooele	63.33	2	eP	P	20 17 24.1 +1.4
DUG	Dugway, Tooele	63.33	2	eP	P	20 17 24.2 +1.4
X48A	Hartselle	63.45	26	P	P	20 17 23.0 -0.5
Y50A	Piedmont	63.50	27	P	P	20 17 23.5 -0.4
PLAL	Pickwick Lake	63.51	25	eP	P	20 17 23.8 -0.1
ISCO	Idaho Springs	63.52	8	P	P	20 17 24.1 -0.2
ISCO	Idaho Springs	63.52	8	eP	P	20 17 24.5 +0.2
ISCO	Idaho Springs	63.52	8	eP	P	20 17 24.5 +0.2
T39A	Cleaver	63.53	19	P	P	20 17 23.8 -0.3
BMN	Battle Mountain	63.55	358	eP	P	20 17 25.5 +1.2
BMN	Battle Mountain	63.55	358	eP	P	20 17 25.5 +1.2
U42A	Reverend	63.60	21	P	P	20 17 24.4 0.0
O03D	Paynes Creek	63.69	354	P	P	20 17 25.1 0.0
JLU	Jordanella	63.79	3	eP	P	20 17 26.1 +0.2
X49A	Woodville	63.87	26	P	P	20 17 26.0 +0.2
KMRM	Mali Ridge	63.82	353	eP	P	20 17 27.1 +1.2
T40A	Manstield	63.91	20	P	P	20 17 25.8 -0.7
S38A	Stockton	63.93	19	P	P	20 17 26.4 -0.3
W47A	Westpoint	63.94	25	P	P	20 17 26.6 -0.2
X50B	Fort Payne	64.03	27	P	P	20 17 26.5 -0.9
WDC	Whiskeytown Da	64.04	354	eP	P	20 17 28.2 +0.9
WDC	Whiskeytown Da	64.04	354	eP	P	20 17 28.2 +0.9
BGU	Big Grassy Mou	64.05	2	eP	P	20 17 28.5 +0.9
W48A	Pulaski	64.09	26	P	P	20 17 27.0 -0.8
S39A	Bolivar	64.16	19	eP	P	20 17 27.4 -0.8
S39A	Bolivar	64.16	19	eP	P	20 17 28.1 -0.1
Y52A	Liburn	64.19	29	P	P	20 17 27.6 -0.8
V46A	Holladay	64.22	24	P	P	20 17 27.5 -1.1
TCUT	Toone Canyon	64.30	3	eP	P	20 17 29.9 +0.6
W49A	Belvidere	64.35	26	P	P	20 17 29.1 -0.4
N02D	Trinity Center	64.45	354	P	P	20 17 30.8 +0.8
R38A	Fenwick Farm,	64.45	18	P	P	20 17 29.3 -0.8
U45A	Rockin P Farm,	64.47	23	P	P	20 17 29.7 -0.5
V47A	Nunnely	64.47	25	P	P	20 17 29.0 -1.2
N23A	Red Feather La	64.56	8	eP	P	20 17 31.2 +0.2
N23A	Red Feather La	64.56	8	eP	P	20 17 31.6 +0.5
S41A	Jillico Farms,	64.56	20	P	P	20 17 30.6 -0.2
SWET	Seewanee	64.56	26	eP	P	20 17 27.0 -3.9
T43A	Greenville	64.58	22	P	P	20 17 30.4 -0.6
WVT	Waverly	64.62	24	eP	P	20 17 30.5 -0.7
WVT	Waverly	64.62	24	eP	P	20 17 30.1 -1.1
WVT	Waverly	64.62	24	eP	P	20 17 30.1 -1.1
V48A	Smith Brothers	64.67	25	P	P	20 17 30.8 -0.7
V48A	Smith Brothers	64.67	25	eP	P	20 17 30.8 -0.7
HWUT	Hardware Ranch	64.78	3	eP	P	20 17 32.5 +0.1
W50A	Signal Mountain	64.81	27	P	P	20 17 32.0 -0.4
M02C	Callahan	64.88	354	P	P	20 17 33.4 +0.5
W51A	Cleveland	65.00	27	P	P	20 17 33.9 +0.2
V49A	McMinville	65.05	26	P	P	20 17 34.2 +0.2
U47A	Clarksville	65.10	25	P	P	20 17 33.9 -0.4
M04C	Macdoel	65.17	354	P	P	20 17 35.5 +0.7
MOD	Modoc Plateau	65.17	356	eP	P	20 17 35.3 +0.4
YBH	Yreka Blue Hor	65.20	354	LR	LR	20 39 59.5
YBH	Yreka Blue Hor	65.20	354	eP	P	20 17 35.8 +0.8
YBH	Yreka Blue Hor	65.20	354	eP	P	20 17 35.8 +0.8
Q38A	Cooks Store, C	65.25	18	P	P	20 17 35.4 +0.2
V50A	Pikeville	65.30	27	P	P	20 17 35.0 -0.6
T46A	Princeton	65.40	24	P	P	20 17 35.8 -0.5
S44A	Carbondale	65.49	22	P	P	20 17 36.4 -0.4
Q39A	Willow Grove F	65.52	19	P	P	20 17 36.7 -0.3
WVOR	Wild Horse Val	65.60	357	eP	P	20 17 39.8 +2.1
P37A	Lathrop	65.63	18	P	P	20 17 37.0 -0.7
T47A	Sharon Grove	65.65	24	P	P	20 17 37.6 -0.3
T47A	Sharon Grove	65.65	24	eP	P	20 17 37.6 -0.3
L02D	Cave Junction,	65.72	353	P	P	20 17 38.2 0.0
Q40A	Laux Farm, Aux	65.74	20	P	P	20 17 37.6 -0.8
U49A	Red Boiling Sp	65.75	26	P	P	20 17 37.6 -0.9
R43A	Red Bud	65.78	22	P	P	20 17 38.2 -0.5
V44A	Vanda	65.78	194	LR	LR	20 39 57.0
V44A	Vanda	65.78	194	eP	P	20 17 39.6 +1.3
Q41A	Truxton	65.78	194	eP	P	20 17 39.6 +1.3
P39B	Salisbury	65.99	19	P	P	20 17 40.1 +0.1
K05A	Summer Lake	66.03	355	eP	P	20 17 41.5 +1.1
U50A	Jamestown	66.04	26	P	P	20 17 40.3 -0.2
BW06	Boulder Array	66.06	5	P	P	20 17 40.1 -0.6
BW06	Boulder Array	66.06	5	eP	P	20 17 40.5 -0.2
PD31	Pinedale Array	66.06	5	eP	P	20 17 40.8 +0.1

PDAR	Pinedale Array	66.06	5	P	P	20 17 40.0 -0.7
PDAR	Pinedale Array	66.06	5	eP	P	20 17 39.9 -0.8
HUMO	Hull Mountain	66.09	354	eP	P	20 17 41.3 +0.6
K22A	Casper	66.22	7	eP	P	20 17 41.8 +0.1
S47A	Hartford	66.27	24	P	P	20 17 40.6 -1.3
O38A	Gal	66.37	18	P	P	20 17 42.9 +0.5
KM5C	Kings Mountain	66.49	30	P	P	20 17 42.3 -1.0
KM5C	Kings Mountain	66.49	30	eP	P	20 17 43.2 -0.1
MFID	Camas Ranch	66.51	359	eP	P	20 17 43.6 +0.2
J08A	Circle Bar Ran	66.52	357	eP	P	20 17 44.8 +1.3
J05D	Fort Rock, OR	66.61	355	P	P	20 17 44.8 +0.7
HLID	Hailey	66.66	1	P	P	20 17 44.5 +0.1
HLID	Hailey	66.66	1	eP	P	20 17 45.0 +0.6
Q44A	Meyer Farm, Va	66.66	22	P	P	20 17 44.2 -0.1
TPAW	Teton Pass	66.69	3	eP	P	20 17 44.8 0.0
QSPA	South Pole Qui	66.73	180	P	P	20 17 43.9 -0.8
QSPA	South Pole Qui	66.73	180	P	P	20 42 20.1
P42A	Winchester	66.83	21	eP	P	20 17 45.2 -0.2
LOHW	Long Hollow	66.83	4	eP	P	20 17 45.3 -0.3
FXWY	Fox Creek	66.84	3	eP	P	20 17 45.7 +0.1
MOOW	Moose Ponds	66.96	3	eP	P	20 17 46.6 +0.2
R47A	Wooly Knot Far	67.02	24	P	P	20 17 46.6 0.0
PINE	Pine Mountain	67.09	355	eP	P	20 17 47.9 +0.7
IMW	Indi Meadow	67.10	3	eP	P	20 17 47.9 +0.6
O41A	Passleys Farm,	67.14	20	P	P	20 17 47.0 -0.3
I03D	Drain, OR	67.21	354	P	P	20 17 47.6 -0.1
I04A	Tendick Farm,	67.22	354	P	P	20 17 47.8 0.0
FLWY	Flagg Ranch	67.30	3	eP	P	20 17 48.9 +0.4
N39A	Derby Farms, D	67.35	18	P	P	20 17 47.8 -0.9
N39A	Derby Farms, D	67.35	18	eP	P	20 17 48.1 -0.6
M38A	Pleasantville,	67.65	18	P	P	20 17 49.0 -1.6
N41A	Harden Midland	67.69	20	P	P	20 17 49.3 -1.5
MCMT	McMintock Canyo	67.95	2	eP	P	20 17 52.4 -0.3
BMO	Blue Mountains	67.97	358	eP	P	20 17 53.2 +0.5
RSSD	Black Hills	67.98	9	eP	P	20 17 52.9 +0.1
RSSD	Black Hills	67.98	9	eP	P	20 17 52.9 +0.1
M39A	Webster	68.00	18	P	P	20 17 52.2 -0.5
QLMT	Earthquake Lak	68.01	3	eP	P	20 17 53.4 +0.2
N42A	Yates City	68.06	20	P	P	20 17 52.6 -0.5
COR	Corvallis	68.09	354	eP	P	20 17 53.2 0.0
COR	Corvallis	68.09	354	eP	P	20 17 53.2 0.0
SCIA	Stacy Center	68.10	17	P	P	20 17 53.4 0.0
M40A	Post Highland	68.13	19	P	P	20 17 53.5 -0.1
L37A	Phoenix Point	68.16	17	P	P	20 17 53.9 +0.2
L38A	Oak Wood Farm,	68.39	18	P	P	20 17 55.1 0.0
M41A	Milan	68.39	20	P	P	20 17 55.3 +0.1
RLMT	Red Lodge	68.42	4	P	P	20 17 56.0 +0.4
RLMT	Red Lodge	68.42	4	eP	P	20 17 56.0 +0.4
K36A	Glenn City	68.45	16	P	P	20 17 56.2 +0.6
G08A	Pilot Rock	68.47	357	eP	P	20 17 56.9 +1.1
DLMT	Dillon	68.49	2	eP	P	20 17 56.2 +0.2
G06A	Carlson Farm,	68.51	356	eP	P	20 17 56.4 +0.5
G05D	Wamic, OR	68.56	355	P	P	20 17 56.8 +0.5
L39A	Vinton	68.64	18	P	P	20 17 56.6 -0.1
BOZ	Bozeman (W)	68.76	3	P	P	20 17 58.6 +1.0
BOZ	Bozeman (W)	68.76	3	eP	P	20 17 57.8 +0.1
BOZ	Bozeman (W)	68.76	3	eP	P	20 17 57.8 +0.1
L40A	Anamosa	68.81	19	P	P	20 17 57.6 -0.2
Q51A	Peebles	68.89	26	P	P	20 17 58.0 -0.4
N45A	Kentland	68.91	22	P	P	20 17 58.6 +0.1
ECSD	EROS Data Cent	68.96	14	P	P	20 17 58.6 -0.2
ECSD	EROS Data Cent	68.96	14	eP	P	20 17 58.5 -0.2
GCMT	Greycliff	69.06	4	eP	P	20 17 59.4 -0.1
F10A	Beach Ranch, E	69.09	358	eP	P	20 17 59.9 +0.3
J36A	Genoa 1, Swea	69.13	16	eP	P	20 17 59.1 -0.7
K39A	Oelwein	69.21	18	P	P	20 17 59.9 -0.4
K40A	Colesburg	69.42	19	P	P	20 18 01.5 -0.1
K41A	Shullsburg	69.59	19	P	P	20 18 02.4 -0.2
J38A	Wedel Dairy, R	69.61	17	P	P	20 18 02.8 +0.1
E09A	Wood Farm, Sta	69.66	358	eP	P	20 18 03.1 +0.2
L43A	Garden Prairie	69.69	21	P	P	20 18 02.9 -0.4
J39A	Decorah	69.84	18	P	P	20 18 04.8 +0.6
HRY	Holter Researc	69.87	2	eP	P	20 18 05.2 +0.8
MSO	Missoula	69.93	1	P	P	20 18 05.4 +0.6
MSO	Missoula	69.93	1	eP	P	20 18 05.3 +0.6
J40A	Soldiers Grove	70.18	19	P	P	20 18 06.0 -0.3
LAO	LASA Array	70.25	7	P	P	20 18 07.0 +0.3
LAO	LASA Array	70.25	7	eP	P	20 18 06.1 -0.6
I39A	Liberty	70.37	18	P	P	20 18 07.4 0.0
H36A	Jessenland, He	70.40	16	P	P	20 18 08.1 +0.5
LTY	Liberty	70.53	356	eP	P	20 18 09.2 +0.9
JTMT	Jette	70.84	1	eP	P	20 18 11.2 +0.8
C09A	Christman Ranch	70.95	358	eP	P	20 18 11.6 +0.7
H39A	Augusta	71.20	18	P	P	20 18 12.3 -0.1
F34A	Alexandria	71.22	15	P	P	20 18 13.0 +0.4

EGMT	Eagleton	71.28	4	P	P	20 18 13.4 +0.5
EGMT	Eagleton	71.28	4	eP	P	20 18 14.1 +1.1
DZM	Mont Dzumac	71.40	253	LR	LR	20 41 51.7
DZM	Mont Dzumac	71.40	253	eLR	LR	20 39 24.9
H40A	Chil	71.40	18	P	P	20 18 13.8 +0.1
F35A	Swanville	71.44	15	P	P	20 18 14.2 +0.3
G38A	Ridgeland	71.49	17	P	P	20 18 14.2 0.0
B08A	Coiville Reser	71.55	357	eP	P	20 18 14.5 0.0
F36A	Milaca	71.70	16	P	P	20 18 15.5 +0.1
F36A	Milaca	71.70	16	eP	P	20 18 15.7 +0.2
G39A	Holcombe	71.79	18	P	P	20 18 16.0 0.0
N54A	Moraine State	71.91	27	P	P	20 18 17.0 +0.2
N54A	Moraine State	71.91	27	eP	P	20 18 15.9 -0.9
G40A	Rib Lake	72.05	18	P	P	20 18 18.0 +0.4
A04D	Lummi Island	72.13	355	P	P	20 18 18.2 +0.3
F38A	Pierce - Schro	72.22	17	P	P	20 18

Table with columns: Station Name, Frequency, Power, and various status codes. Includes stations like Kul'dur, Changchun, Nanjing, etc.

Table with columns: Station Name, Frequency, Power, and various status codes. Includes stations like MAK2 Makanchi, MAK3 Makanchi, KSH Kashi, etc.

Table with columns: Station Name, Frequency, Power, and various status codes. Includes stations like WR1 Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs, etc.

ISCJB 17 23:25:34.5:0.5, 33.71S:01:08:57.3E:0.2, h10km, mb4.2/16, MS3.7/19, Error ellipse: s-maj=20.4km s-min=11.0km az=171.6

IDC 17 23:25:34.8:0.7, 33.66S:57.27E, h0km, mb4.2/13, mb1 4.3/14, mb1mx3.0/56, mbtmp4.2/14, ML4.4/1, MS3.6/20, Ms1 3.6/20, ms1mx3.4/50, Error ellipse: s-maj=30.2km s-min=16.2km az=90.0

NEIC 17 23:25:36.3:0.3, 33.67S:57.25E, h10km, mb4.3/3, Error ellipse: s-maj=14.9km s-min=8.2km az=78.0

ISC 17 23:25:36.5:0.6, 33.73S:01:07:37.0E:0.2, h10km, n40, c1503/23, mb4.2/16, MS3.6/19, 2C-1D, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include OPO Ambohitratoampo, BOS Boshof, LBTB Lobates, MAW Mawson, SYO Syowa Base, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ATD Arta Tunnel, SNAA Sanae, QSPA South Pole Qui, RAYN Ar Rayn, VYND Vanda, BRDH Bariadhala, CMAR Chiang Mai Arr, ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include DBIC Dimbokro, GNI Ganni, KOWA Kowa, BRTR Keskin Arr, KBZ Khabaz, KEST Kesra, MKAR Makanchi Arr, AKTO Aktyubinsk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KURB Kurchatov Arr, BVAR Borovoye Arr, MDT Midelt, ZALV Zalesovo Beam, SONM Songoing Arr, INK Inuvik, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LUBP Lubang, TGAY Tagaytay City, TGYP Tagaytay City, PGP Puerto Galera, QVPH Quezon City-P, SJMP San Jose, BOSP Coron, OTRP Odiongan, ENPP El Nido, CMAR Chiang Mai Arr, SONM Songoing Array, MKAR Makanchi Arr, KURB Kurchatov Arr, BVAR Borovoye Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 17 23:53:10.9:1.1, 36.52S:21.17W:9.14, h33km, ML4.5/18, East of North Island, MXZ Matakaoa Point, WMGZ Waomatatini S, PUZ Puketiti, PKGZ Pakihiroa, HAZ Te Kaha, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TWGZ Tauwhareparae, CNZG Carnagh Statio, RUGZ Raukumara Rang, TKGZ Te Karaka, MWZ Matawai, RIGZ Rimuhau, RAGZ Rawiri, PRGZ Paritu Road, URZ Urewae Arr, MHGZ Mahia Peninsula, KNZ Kokohu, SHNZ Shannon Statio, RTZ Ruatuhua, MUZ Mururu, RAZ Raarua, MTHZ Maungataniwha, BKZ Black Stamp Fun, etc.

ISCJB 17 23:54:59.1:1.0, 20.8S:02:17:8.0W:0.2, h600km, mb3.6/4, Error ellipse: s-maj=26.9km s-min=22.7km az=34.5

IDC 17 23:55:01.4:3.9, 20.97S:17:71W, h21km, 55km, mb3.0/4, mb1 3.4/4, mb1mx3.9/27, mbtmp4.2/14, Error ellipse: s-maj=77.9km s-min=23.7km az=167.0

ISC 17 23:54:59.4:0.9, 20.7S:02:17:8.0W:0.2, h600km, n11, c1441/11, mb3.6/4, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RAO Raoul Island, ASAR Alice Springs, ASAR, WRA Warramunga Arr, ILAR Eielson Array, PDAR Piedade Arr, ARCES ARCES Array B, FINES FINES Array B, AKASG Malin Arr B, BRTR Keskin Arr B, MMAI Mount Meron Arr, GERES GERES Array B, etc.

MOS 17 23:58:50.9:2.4, 48.11N:156.99E, h7km, mb4.3/1, Error ellipse: s-maj=93.3km s-min=7.0km az=83.2

KRSC 17 23:58:50.9:1.3, 48.11N:156.99E, h7km, 14km, ML4.1, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PAU Puzhetka, ASK Asacha, ASAK Asacha, RUS Russkaya, RUS, RUS, MTRV Mutnovka, MTRV, KRMR Karymshinskiy, APC Apacha, UGLR Uglovoyaya, AVH Avacha, SMR Somma, SDLR Sedlovina, SPN Mys Shipunski, GNL Ganaly, MKZ Mys Kozlova, etc.

DJA 18 00:07:12.0:0.8, 8.7S:111.9E:1, h10km, M3.5/6, mb4.8/1, ML2.9/6, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PLAI Plampang, WBSI Waikabubak, TWSI Taliwang, Sumb, etc.

DJA 18 00:07:22.6:0.8, 7.5S:121.9E:1, h121km, 60km, M4.4/7, MB5.0/2, mb4.3/4, MLV4.5/7, Mw(MB)4.3/2

IDC 18 00:07:25.3:7.5, 7.13S:129.64E, h201km, 88km, mb3.4/5, mb1 3.6/7, mb1mx3.4/44, mbtmp4.1/7, Error ellipse: s-maj=199.2km s-min=31.5km az=77.0

ISC 18 00:07:19.0:0.8, 8.747S:006:129.12E:0.08, h131km, n14, c247/19, mb3.7/5, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AAI Ambon, SOEI Soe, SOEI Soe, FAKI Fak Fak, FAKI, BATI Bauma, BATI, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, MMAI Mount Meron Arr, ZALV Zalesovo Beam, KURB Kurchatov Arr, BVAR Borovoye Arr, etc.

0.3nm, 0.4s, baz=104, slow=6.1, SNR=3.8

TORD Torodi Arr. Bea 128.04 281 PKP PKPdf 00 26 08.6 -1.9

DJA 18 00:09:57.1:0.6, 8.8S:122.2E:1, h10km, 5km, M4.2/9, mb5.2/1, mb4.7/1, MLV4.0/9, Mw(MB)4.5/1, Flores region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include EDFI Ende, Flores, EDPI Edpi, MMRI Maumere, BASI Baing, Sumba, BATI Bauma, WBSI Waikabubak, S, WBSI Bulukambak, PLAI Plampang, TWSI Taliwang, Sumb, SANI Sanana, etc.

SJA 18 00:26:42.3:0.5, 29.51S:71.19W, h10km, ML4.3, MW4.5

GUC 18 00:26:44.8:0.7, 29.49S:70.62W, h53km, 45km, ML4.0

IDC 18 00:26:45.5:3.9, 29.43S:70.78W, h69km, 30km, mb3.5/4, mb1 3.5/7, mb1mx3.3/33, mbtmp3.7/6, ML3.5/3, Error ellipse: s-maj=56.5km s-min=23.6km az=107.0

ISC 18 00:26:42.8:1.5, 29.38S:04:71.35W:0.08, h32km, 10km, n12, c2840/33, mb4.0/4, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LCO Las Campanas, LCO Las Campanas, TLL Tololo Astrono, TLL, G004 Tololo Observa, G004, G003 Copiap, G003, AGUA GUANDACOL, VCA, VCA, AMOG MOGNA, RTLS Leontico, RTLS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AGUA GUANDACOL, VCA, VCA, AMOG MOGNA, RTLS Leontico, RTLS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RUSP Cerro Villicun, RUSP, RTLL Uspallata, RTVC Cerro Valdivia, ROCH El Roble, ROCH, EI Roble, PEL Peldehue, PLCA Paso Flores, CPUP Villa Florida, CPUP, LPAZ La Paz, SNAE Sanae, QSPA South Pole Qui, KOWA Kowatzen, TORD Torodi Arr, ZALV Zalesovo Beam, MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WEL 18 00:49:28.2, 45.5S:16.7E:1, h71km, 3km, ML3.9/14, South Island, MLZ Mavora Lakes, MLZ Milford Sound, MSZ Matheran, WHZ Wether Hill, WKZ Wanaka, WKE Earnscleugh, EAZ, JAZ Jackson Bay, TUC Tuapeka, APZ The Paps, SYZ Scrubby Hill, LBZ Lake Benmore, ODZ Otafau Downs, FOZ Fox Glacier, RPZ Rata Peaks, WPZ Waitaha Valley, OXZ Oxford, INZ Inchbonnie, LTZ Lake Taylor, OKCZ Okains Bay, DSZ Denniston Nort, THZ Tophouse, QRZ Quartz Range, etc.

ISCJB 18 01:37:00.3:0.5, 34.84N:0.04:140.25E:0.05, h74km, 3km, mb3.7/8, Error ellipse: s-maj=7.9km s-min=5.8km az=145.1

JMA 18 01:37:00.5:0.1, 34.87N:140.22E, h73km, 2km, M3.5 Broadband fault plane solution: P waves. NP1: q=56.00000; r=76.00000; t=153.00000; NP2: q=319.00000; r=64.00000; t=16.00000. Principal axes: T Plg8.0000; Azm186.0000; N Plg6.0000; Azm82.0000; P Plg29.0000; Azm280.0000; JMA Felt J1. NIED 18 01:37:00.3:4.80N:140.30E, h53km, Mw3.6, Best double couple: M3.03000x1014 NP1: q=327.00000; r=850.00000; t=120.00000; NP2: q=224.00000; r=875.00000; t=138.00000. IDC 18 01:37:00.3:3.2, 34.88N:140.44E, h63km, 2km, mb3.5/8, mb1 3.7/11, mb1mx3.4/63, mbtmp3.9/11, MS2.3/1, Ms1 2.3/1, ms1mx1.9/43, Error ellipse: s-maj=42.7km s-min=6.1km az=74.0

ISC 18 01:37:01.1:0.8, 34.84N:0.05:140.25E:0.05, h67km, 7km, n31, c1520/36, mb3.8/3, 3C-6D, Near east coast of

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO4, BSO3, KTR, TATJ, etc.

DJA 18:01:55:05.4, 0.3, 2.120E, h16km, 9km, M3.77, MLV3.77, Minahassa Peninsula, Sulawesi

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

ATH 18:02:07:28.4, 37.73N-26.77E, h16km, 2km, ML2.5/4, Error ellipse: s-maj=3.4km s-min=1.1km az=136.0

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

Code Station Name Az Phase ID Time Res

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SMG, DGB, GCAM, etc.

Main table with columns: MLSB, Milas, APE, Apeiranthos, etc. Includes various station codes and their associated data.

SOME 18:02:24:35.2, 41.32N-81.68E, h0km NNC 18:02:24:38.9, 2.7, 41.33N, 81.55E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=23.1km s-min=13.9km az=150.0

ISC 18:02:37:8.2, 3.4143N-109.8169E, 0.07, h17km, n21, e247/37, 5C-6D, Southern Xinjiang

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MK31, MAK2, MAKZ, etc.

MEX 18:03:07:05.9, 0.4, 16.61N x 100.46W, h5km, 3km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAIG, MEIG, PLIG, etc.

BJI 18:03:16:02.7, 1.21N, 124.83E, h210km, mb4.5/27, mb4.4/14, ISCJB 18:03:16:06.7, 0.3, 1.65N, 124.53E, 0.03, h222km, 3km, mb4, 4/70, Error ellipse: s-maj=5.9km s-min=4.3km

IDC 18:03:16:07.4, 1.8, 1.66N, 124.34E, h212km, 16km, mb4.1/31, mb1.4/31, mb1mx1, mb4.0/57, mbtmp4.6/31, MS2.2/1, Ms1 2.2/1, ms1mx2, 1/47, Error ellipse: s-maj=14.9km s-min=8.0km az=81.0

NEIC 18:03:16:08.3, 0.7, 1.65N, 124.48E, h223km, 7km, mb4.4/30, Error ellipse: s-maj=7.8km s-min=4.4km az=72.0

MOS 18:03:16:08.2, 0.9, 1.69N, 124.42E, h236km, mb4.4/16, Error ellipse: s-maj=15.6km s-min=6.9km az=108.2

DJA 18:03:16:08.4, 0.5, 2.12N, 124.53E, h201km, 5km, M4.6/13, mb4.6/1, mb4.3/3, MLV4.8/13, MW(m)3.8/1

ISC 18:03:16:07.8, 0.5, 1.63N, 124.56E, 0.04, h217km, 4km, PLIG 18:03:16:05.5, 1.63N, 124.56E, 0.04, h217km, 4km, Sulawesi

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

YULB Yu-li 21.87 352 eP P 03 20 41.5 -1.9

MBWA Marble Bar 23.13 192 eP P 03 20 53.5 -4.0

WRAB Tannan Creek 23.48 156 eP P 03 20 57.1 -1.1

WRAB Tannan Creek 23.48 156 dP S 03 25 01.0 +5.4

WRAB Tannan Creek 23.48 156 dP S 03 25 58.8 +0.6

WRAB Warramunga Arr 23.48 156 eP P 03 20 58.8 +0.6

WR1 Warramunga Arr 23.48 156 eP P 03 24 38.3 +0.5

WR1 Warramunga Arr 23.48 156 eP P 03 24 53.5 -2.1

WRA Warramunga Arr 23.48 156 eP P 03 20 58.8 +0.6

WRA Warramunga Arr 23.48 156 eP P 03 24 38.3 +0.5

WRA Warramunga Arr 23.48 156 eP P 03 24 53.5 -2.2

WRA Warramunga Arr 23.48 156 eP P 03 27 56.3 +0.8

WB2 Warramunga Arr 23.49 156 eP P 03 20 58.9 +0.7

WB2 Warramunga Arr 23.49 156 eP P 03 24 54.0 -1.7

COEN Coen 24.08 131 eP P 03 21 04.4 +0.7

PSI Prapat 25.65 273 eP P 03 21 18.2 +0.2

PSI Prapat 25.65 273 eP P 03 21 18.2 +0.2

AS31 Alice Springs 26.73 161 eP P 03 21 28.6 +1.0

AS31 Alice Springs 26.73 161 eP P 03 24 45.9 +0.7

AS31 Alice Springs 26.73 161 eP P 03 25 44.1 -2.9

ASAR Alice Springs 26.73 161 eP P 03 21 28.6 +1.0

ASAR Alice Springs 26.73 161 eP P 03 24 45.9 +0.7

ASAR Alice Springs 26.73 161 eP P 03 25 44.1 -2.9

GSI Gunungitsili 26.98 270 eP P 03 21 28.8 -1.0

KS15	Wonju Array Si	35.77	5	eP	P	03 22 46.5 +0.3
KS15				ePcP	PcP	03 25 10.2 +1.2
KSAR	Wonju Array Be	35.77	5	P	P	03 22 46.5 +0.3
KSAR	Wonju Array Be	35.77	5	P	P	03 22 46.5 +0.3
KSRS	Korea Array	35.79	5	P	P	03 22 46.5 +0.2
KSRS	comp=Z,0.9nm,0.5s,baz=176,slow=10,SNR=5.8			PcP	PcP	03 25 10.2 +1.2
MAJO	Matsushiro	36.97	18	eP	P	03 22 56.4 +0.1
MAJO	comp=Z,1.2nm,0.7s,baz=179,slow=3.4,SNR=5.7			P	P	03 28 39.5 +0.4
MAJO	Matsushiro	36.97	18	eP	P	03 22 56.0 -0.4
MAJO	comp=Z,10.0nm,0.7s			Pmax	Pmax	
MAT	Matsushiro	36.97	18	P	P	03 22 55.9 -0.5
MJAR	Matsushiro Arr	36.97	18	P	P	03 22 56.4 0.0
MJAR	comp=Z,8.9nm,0.7s,baz=199,slow=9.8,SNR=25			ScP	ScP	03 28 39.5 +0.4
MJB9	Matsu-Tunnel	36.97	18	eP	P	03 22 56.5 +0.1
MJB9	comp=Z,1.2nm,0.7s,baz=124,slow=6.7,SNR=4.5			P	P	03 22 57.8 +0.8
STKA	Stevens Creek	37.03	156	P	P	03 22 57.8 +0.8
STKA	comp=Z,3.1nm,0.6s,baz=348,slow=13,SNR=5.1			P	P	03 22 57.8 +0.8
STKA	Stevens Creek	37.03	156	eP	P	03 22 57.8 +0.8
STKA	comp=Z,1.0nm,1.0s			Pmax	Pmax	
LZH	Lanzhou	39.30	333	eP	P	03 23 18.4 +2.4
LZH				pP	pP	03 24 00.0 -1.4
LZH				sP	sP	03 24 25.6 -0.5
LZH				ePp	PnPn	03 24 57.3 +1.0
LZH	comp=Z,16nm,1.1s			Pmax	Pmax	
LZH	comp=Z,7.9nm,4.8s			LR	LR	
LZH	comp=Z,370nm,13.7s			LR	LR	
LZH	comp=Z,510nm,15.2s			LR	LR	
HHC	Hu-ho-hao-te	40.78	345	eP	P	03 23 30.3 +2.3
HHC	comp=Z,630nm,16.3s			Pmax	Pmax	
HHC	comp=Z,2.2nm,1.0s			Pmax	Pmax	
ARMA	Armida	41.00	143	eP	P	03 23 30.8 +0.8
ARMA	comp=Z,19nm,1.75s			P	P	03 23 40.0 +2.8
CN2	Changchun	42.00	1	eP	P	03 23 46.0 +1.1
USA0B	Ussuriysk Arra	42.90	8	eP	P	03 23 45.7 +0.8
USA0B	comp=Z,8.3nm,0.9s			P	P	03 23 51.3 +0.1
USRK	Ussuriysk Ar	42.90	8	eP	P	03 23 51.3 +0.1
USRK	comp=Z,5.3nm,0.6s,baz=188,slow=8.1			P	P	03 23 54.1 +1.2
ODAN	Odare	43.60	308	eP	P	03 24 37.3 -1.9
GTA	Gaotai	43.86	332	eP	P	03 24 59.8 -3.8
GTA				pP	pP	03 25 36.1 +0.9
GTA				sP	sP	03 25 36.1 +0.9
GTA				PcP	PcP	03 30 09.3 +1.9
GTA				S	S	
GTA	comp=Z,11nm,0.8s			Pmax	Pmax	
GTA	comp=Z,33nm,5.8s			Pmax	Pmax	
RAMN	Ramite	44.26	308	eP	P	03 24 01.7 -0.1
RAMN	comp=Z,22nm,0.8s			P	P	03 24 04.8 +1.3
JIRN	Jiri	44.92	309	eP	P	03 24 04.2 +0.7
JIRN	comp=Z,10.0nm,0.3s			P	P	03 24 08.0 +1.3
ASAJ	Asahikawa	45.24	18	P	P	03 24 04.2 +0.7
ASAJ	comp=Z,3.3nm,0.5s,baz=204,slow=6.8,SNR=6.6			P	P	03 24 04.2 +0.7
ASAJ	Asahikawa	45.24	18	P	P	03 24 04.2 +0.7
ASAJ	comp=Z,4.7nm,0.7s			P	P	03 24 06.3 +0.1
GUN	Gumba	45.28	309	eP	P	03 24 06.3 +0.1
PKIN	Phulchoki	45.50	308	eP	P	03 24 08.0 +0.4
PKIN	comp=Z,5.5nm,0.5s			P	P	03 24 07.9 -0.2
KKN	Kakani	45.69	308	eP	P	03 24 11.9 -0.4
DMN	Daman	45.74	308	eP	P	03 24 17.6 -1.4
DMN	comp=Z,23nm,1.0s			P	P	03 24 22.0 -0.1
GKN	Gorkha	46.29	308	eP	P	03 24 23.6 +0.2
DANN	Dangsing	47.14	308	eP	P	03 24 23.6 +0.3
DANN	comp=Z,30nm,0.8s			P	P	03 24 29.4 +0.6
HIA	Haitar	47.64	356	eP	P	03 24 23.6 +0.2
HIA	comp=Z,6.0nm,0.4s			P	P	03 24 23.6 +0.3
KLR	Kul dur	47.82	6	P	P	03 24 29.4 +0.6
KLR	comp=Z,0.6nm,0.5s,baz=209,slow=5.4,SNR=24			P	P	03 24 29.4 +0.6
ULN	Ulanbaatar	48.49	344	eP	P	03 24 29.4 +0.6
ULN	comp=Z,3.0nm,1.0s			Pmax	Pmax	
SONA0	Songino Array	48.64	344	eP	P	03 24 29.3 -0.6
SONA0	comp=Z,2.2nm,0.8s			PcP	PcP	03 25 10.0 -0.9
SONA1	Songino Array	48.64	344	eP	P	03 24 29.3 -0.6
SONA1	comp=Z,1.6nm,0.5s,baz=157,slow=9.3,SNR=10			P	P	03 25 51.0 -0.9
SONA1	Songino Array	48.64	344	eP	P	03 24 29.2 -0.8
SONA1	comp=Z,0.2nm,0.4s,baz=163,slow=3.1,SNR=3.5			P	P	03 25 04.0 -0.3
WMQ	Urumqi	53.25	327	P	P	03 25 27.3 -0.9
BOD	Bodaibo	56.65	353	eP	P	03 25 33.4 -0.4
BOD	comp=Z,6.0nm,2.1s			Pmax	Pmax	
DGZ	Jazzatar, Alta	57.39	332	iP	P	03 25 39.8 +1.3
DGZ	comp=Z,1.0nm,0.9s			Pmax	Pmax	
KSH	Kashi	58.04	317	eP	P	03 26 28.5 +0.6
KSH	comp=Z,6.0nm,0.7s			ePcP	PcP	03 26 49.9 -1.3
KSH				sP	sP	
KSH				Pmax	Pmax	
MK01	Makanchi Array	58.06	327	eP	P	03 25 37.9 -0.6
MK01	comp=Z,3.4nm,0.6s,baz=138,slow=3.6,SNR=15			P	P	03 25 37.9 -0.6
MK31	Makanchi Array	58.08	327	eP	P	03 25 37.8 -0.7
MK31	comp=Z,3.4nm,0.6s,baz=138,slow=3.6,SNR=15			P	P	03 26 27.1 -0.3
MK32	Makanchi Array	58.08	327	eP	P	03 25 37.8 -0.7
MK32	comp=Z,5.2nm,0.4s			P	P	03 26 27.1 -0.3
MKAR	Makanchi Array	58.08	327	eP	P	03 25 37.9 -0.7
MKAR	comp=Z,5.2nm,0.4s			PcP	PcP	03 26 27.1 -0.3
MKAR	Makanchi Array	58.08	327	eP	P	03 25 37.9 -0.7
MKAR	comp=Z,5.9nm,0.4s			P	P	03 25 37.9 -0.6
PETK	Petrovavlovsk	58.19	23	P	P	03 25 40.0 +1.4
PETK	comp=Z,7.8nm,1.0s,baz=209,slow=5.8,SNR=3.5			P	P	03 25 40.0 +1.4
PEA1	Petrovavlovsk	58.19	23	P	P	03 25 38.9 -0.8
PEA1	comp=Z,5.7nm,0.4s			P	P	03 25 38.9 -0.8
MAKZ	Makanchi	58.26	327	eP	P	03 25 38.9 -0.8
MAKZ	comp=Z,6.0nm,0.4s			Pmax	Pmax	
PET	Petrovavlovsk	58.20	23	eP	P	03 25 41.8 +0.1
PET	comp=Z,11nm,0.9s			Pmax	Pmax	
KDJ	Kajisay	58.51	320	eP	P	03 25 41.8 +0.1
KDJ	comp=Z,5.0nm,0.5s			P	P	03 25 41.8 +0.1
KDJ	Kajisay	58.51	320	eP	P	03 25 54.0 +0.2
KDJ	comp=Z,5.0nm,0.5s			Pmax	Pmax	
YAK	Yakutsk	60.38	3	P	P	03 25 54.0 +0.2
YAK	comp=Z,2.5nm,0.3s,baz=352,slow=0.5,SNR=9.4			P	P	03 25 54.0 +0.2
YAK	Yakutsk	60.38	3	eP	P	03 25 53.1 -0.7
YAK	comp=Z,5.7nm,0.7s			P	P	03 26 38.1
YAK	Yakutsk	60.38	3	eP	P	03 26 43.1 0.0
YAK	comp=Z,5.7nm,0.7s			eP	P	03 28 05.3
YAK	Yakutsk	60.38	3	eP	P	03 33 50.1 -0.9
YAK	comp=Z,5.7nm,0.7s			eS	S	03 35 21.4
YAK	Yakutsk	60.38	3	eP	P	03 37 54.3 +1.6
YAK	comp=Z,36nm,0.8s			Pmax	Pmax	
YAK	comp=N,9.0nm,1.1s			Pmax	Pmax	
YAK	comp=E,6.0nm,1.2s			Pmax	Pmax	
YAK	comp=Z,10.0nm,0.3s			Pmax	Pmax	
YAK	comp=E,5.0nm,0.6s			Pmax	Pmax	
YAK	comp=N,4.0nm,0.6s			Pmax	Pmax	
YAK	comp=N,3.0nm,0.4s			smax	smax	

YAK	comp=E,4.0nm,0.8s			smax	smax	
AAK	Ala-Archa	60.50	319	P	P	03 25 55.1 -0.1
AAK	Magadan	61.27	15	P	P	03 26 01.1 +1.2
MAZ	Zalesovo Beam	61.51	335	P	P	03 26 00.2 -1.4
MAZ	comp=Z,1.4nm,0.3s,baz=116,slow=6.8,SNR=4.5			P	P	03 26 00.2 -1.4
ZAA1	Zalesovo Array	61.51	335	eP	P	03 26 06.2 -1.1
ZAA1	Kurchatov Arra	62.37	329	eP	P	03 26 06.2 -1.1
ZAA1	comp=Z,3.1nm,0.5s,baz=133,slow=6.6,SNR=25			P	P	03 26 06.2 -1.2
KURB	Kurchatov	62.38	329	eP	P	03 26 06.3 -1.2
KURB	Kurchatov	62.38	329	eP	P	03 26 06.3 -1.2
KURK	Kurchatov	62.38	329	eP	P	03 26 06.3 -1.2
KURK	comp=Z,8.0nm,1.0s			Pmax	Pmax	
KK31	Karatay Array	63.32	318	eP	P	03 26 14.4 +0.6
KK31	Karatay Array	63.32	318	eP	P	03 26 14.5 +0.6
KKAR	Karatay Array	63.32	318	eP	P	03 26 14.4 +0.6
KKAR	Karatay Array	63.32	318	eP	P	03 26 14.5 +0.6
SEY	Seymchan	64.56	14	eP	P	03 26 22.6 +1.1
BVAR	Borovyoye Arra	67.92	328	eP	P	03 26 42.0 -1.0
BVAR	comp=Z,2.2nm,1.0s,baz=108,slow=9.1,SNR=9.3			P	P	03 26 42.0 -1.0
BVAR	Borovyoye Array	67.92	328	eP	P	03 26 42.0 -1.0
BRVK	Borovyoye	67.99	328	eP	P	03 26 42.6 -0.8
BRVK	comp=Z,3.3nm,0.6s			P	P	03 26 42.6 -0.8
BRVK	Borovyoye	67.99	328	eP	P	03 26 42.6 -0.8
BRVK	comp=Z,3.0nm,0.6s			Pmax	Pmax	
CASY	Casey	68.50	186	eP	P	03 26 47.2 +0.9
CASY	comp=Z,4.1nm,0.7s			P	P	03 26 55.0 -0.2
TIXI	Tiksi	69.97	1	P	P	03 26 54.7 -0.6
TIXI	comp=Z,5.6nm,0.4s,baz=192,slow=2.2,SNR=5.0			P	P	03 26 54.7 -0.6
TIXI	Tiksi	69.97	1	eP	P	03 26 54.7 -0.6
TIXI	comp=Z,8.0nm,0.9s			Pmax	Pmax	
ABKAR	Aktubulak array	72.42	322	eP	P	03 27 09.3 -1.1
AKTO	Aktubinsk	73.97	322	eP	P	03 27 18.6 -0.9
AKTO	comp=Z,3.0nm,0.6s,baz=324,slow=7.1,SNR=12			P	P	03 27 27.0 -1.5
ARU	Arti	75.56	328	eP	P	03 27 27.0 -1.5
ARU	comp=Z,5.4nm,0.2s,baz=38,slow=3.3,SNR=4.0			P	P	03 27 27.0 -1.5
ARU	Arti	75.56	328	eP	P	03 27 27.0 -1.5
ARU	comp=Z,3.9nm,0.6s			P	P	03 27 25.3 -3.1
ARU	Arti	75.56	328	iP	S	03 36 45.7 -5.3
ARU	Arti	75.56	328	iP	S	03 36 45.7 -5.3
ARU	comp=Z,13nm,2.5s			Pmax	Pmax	
OPO	Amboldiatompo	78.56	251	P	P	03 27 45.3 -0.8
OPO	comp=Z,3.7nm,0.3s,baz=62,slow=7.7,SNR=6.8			P	P	03 27 48.7 -1.3
RAYN	Ar Rayn	79.32	293	eP	P	03 27 48.7 -1.3
RAYN	comp=Z,1.1nm,0.8s			P	P	03 27 48.7 -1.3
RAYN	Ar Rayn	79.32	293	eP	P	03 27 48.7 -1.3
RAYN	comp=Z,2.2nm,1.0s			Pmax	Pmax	
MAW	Mawson	81.05	200	eP	P	03 27 58.7 +0.5
MAW	comp=Z,2.5nm,0.6s,baz=82,slow=4.8,SNR=13			P	P	03 27 59.2 +1.0
MAW	Mawson	81.05	200	eP	P	03 27 59.2 +1.0
MAW	comp=Z,0.9nm,0.8s			P	P	03 27 59.2 +1.0
MAW	Mawson	81.05	200	eP	P	03 27 59.2 +1.0
MAW	comp=Z,1.0nm,0.8s			Pmax	Pmax	
VNDA	Vanda	81.64	172	P	P	03 28 01.6 +0.5
VNDA	comp=Z,1.5nm,0.6s,baz=324,slow=6.7,SNR=15			P	P	03 28 01.9 +0.9
VNDA	Vanda	81.64	172	eP	P	03 28 01.9 +0.9
VNDA	comp=Z,2.3nm,1.0s			P	P	03 28 02.0 +0.9
VNDA	Vanda	81.64	172	eP	P	03 28 02.0 +0.9
VNDA	comp=Z,2.0nm,1.0s			Pmax	Pmax	
PRGR	Perngorge	83.32	332	eP	P	03 28 09.1 -1.0
PRGR	comp=Z,7.0nm,0.4s			Pmax	Pmax	
VRH	Novokhopovsk	84.25	321	eP	P	03 28 13.5 -1.5
VRH	comp=Z,10.0nm,0.8s			Pmax	Pmax	
KDKAK	Kodiak Island	84.81	32	iP	P	03 28 19.3 +1.6
VORD	Divnogorie	85.76	3			

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like MVO Moncorvo, PTO Porto, PVIS Viseu, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like EBAD, PMAFR Mafrá, EALK Alkurruntz, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like EPF, PBDV Barranco-do-Ve, EMOS Mosqueruela, etc.

ISC 18 03:52:48.1... mb3.4/3, mb1 3.8/4, mb1mx3.5/40, mbtmp3.5/4, ML3.9/1, Error ellipse: s-maj=70.0km s-min=26.6km az=97.0
DJA 18 03:52:52.7... h12km,5km, MA, 1/3, MLV4, 1/3
ISC 18 03:52:52.5... h07km2,7km,n14, o:088/9,mb3.5/3,Near north coast of Irian Jaya
Code Station Name Az Az' Phase ID Time Res
JAY Jayapura 0.13 95 P Op h m s ISC
WAMI Wamena 2.31 238 P S Pb 03 53 00.8 +0.4
WAKI Wanki, Papua 6.47 279 P S Pb 03 53 29.9 +1.1
WARR Warramunga Arr 1837 199 P S Pb 03 57 04.0 -1.4
WRA 0.4nm,0.3s,baz=23,slow=12,SNR=14 S Sn 04 00 19.1 -1.1
ASAR Alice Springs 22.01 197 P P 03 57 44.8 -0.1
H11S3 WAKE ISLAND Hy 33.11 50 T T 04 34 20.2
H11S2 WAKE ISLAND Hy 33.12 50 T T 04 34 29.8
H11S1 WAKE ISLAND Hy 33.12 50 T T 04 34 25.2
H11N1 WAKE ISLAND Hy 33.99 48 T T 04 35 28.0
H11N2 WAKE ISLAND Hy 34.00 48 T T 04 35 35.4
H11N3 WAKE ISLAND Hy 34.01 48 T T 04 35 34.4
MKAR Makanchi Array 70.77 322 P P 04 04 06.1 -0.4
ILAR Eielson Array 84.88 24 P P 04 05 24.9 +0.3
ISCJB 18 04:06:53.4... mb4.5/161, Error ellipse: s-maj=6.3km s-min=3.7km az=144.7
NEIC 18 04:06:54.0... h163km,mb4.5/147,

ML4.6(ARE). After ARE.
 NEIC Feit [II] at Pucallpa.
 IDIC 18 04:06:55.4,0.5,8.06S:74.32W,h158km,4km,mb4.0/25,
 mb1 4.2/30,mb1mx4.1/46,mbtmp4.5/30,MS2.6/2,
 Ms1 2.7/2,ms1mx2.4/40,Error ellipse: s-maj=12.9km
 s-min=8.7km az=66.0
 ISC 18 04:06:54.7,0.4,8.10S:0.05:74.37W:0.06,h153km,3km,
 h154km:pP-P,n517,r120/543,mb4.6/161,Peru-Brazil
 border region

Code	Station Name	Δ°	AZP	Op	Phase ID	ISC	Time	Res
							h	ISC
ATAH	Atahualpa	4.0	283	P	Sn	04	07 56.4	-0.4
ATAH		178nm,0.3s,baz=91,slow=5.0,SNR=662						
NNA	Nana	4.56	212	P	Pn	04	08 02.9	+0.4
NNA		14nm,0.3s,baz=43,slow=2.8,SNR=43						
NNA		36nm,0.3s,baz=332,slow=19,SNR=7.4						
NNA	comp=2.60nm,19.9s,baz=244,slow=34							
NNA	Nana	4.56	212	ePn	Pn	04	08 02.0	-0.4
NNA		14nm,0.3s,baz=313,slow=16,SNR=6.9						
OTAV	Otavalo	9.23	334	ePn	Pn	04	09 00.9	-0.0
LPAZ	La Paz	10.17	171	ePn	Pn	04	09 16.9	-0.5
LPAZ		1.8nm,0.3s,baz=319,slow=7.6,SNR=100						
LPAZ	comp=2.44nm,21.8s,baz=280,slow=38							
LPAZ	La Paz	10.17	144	ePn	Pn	04	09 16.7	-0.8
SAML	Samuel	11.10	95	ePn	Pn	04	09 27.1	-2.1
MINMC	Minye Minye	11.90	158	ePn	Pn	04	09 39.2	-0.7
MINMC		12.46	159	ePn	Pn	04	09 47.4	+0.4
PTGA	Pitinga	16.11	64	P	Pn	04	10 32.6	-0.2
PTGA		1.5nm,0.3s,baz=316,slow=23,SNR=11						
SDV	Santo Domingo	17.28	13	ePn	Pn	04	10 44.6	-1.6
SDV		14nm,0.5s						
GO02	Mina Guanaco	17.57	166	eP	Pn	04	10 51.5	+1.0
GO02		9.8nm,0.8s						
PCRV	Puerto La Cruz	20.58	28	P	P	04	11 23.4	+1.6
PCRV		5.9nm,0.5s,baz=287,slow=3.3,SNR=4.8						
CPUP	Villa Florida	24.31	140	eP	P	04	11 57.9	-0.2
CPUP		8.5nm,0.6s,baz=330,slow=9.6,SNR=31						
CPUP	Villa Florida	24.31	140	eP	P	04	11 57.9	-0.5
CPUP		9.7nm,0.7s						
BDFB	Brasilia	26.84	109	eP	P	04	12 23.2	+2.0
BDFB		11nm,0.8s						
SJG	San Juan	27.28	17	P	P	04	12 24.8	-0.2
SJG		9.9nm,0.4s,baz=199,slow=3.9,SNR=7.9						
PLCA	Paso Flores	32.67	175	P	P	04	13 13.1	+0.7
PLCA		2.0nm,0.6s,baz=13,slow=9.7,SNR=7.9						
PLCA	Paso Flores	32.67	175	eP	P	04	13 13.1	+0.7
PLCA		2.2nm,0.9s,baz=27,slow=8.4,SNR=3.4						
PLCA	Paso Flores	32.67	175	eP	P	04	13 13.1	+0.7
PLCA		2.7nm,1.9s						
DWPF	Disney Wildern	36.64	350	P	P	04	13 46.8	+1.8
DWPF		1.1nm,0.8s						
657A	Interlachen	38.16	349	P	P	04	13 59.4	+0.2
657A		1.1nm,0.8s						
557A	Orange Park	38.55	350	P	P	04	14 02.0	-0.4
557A		1.1nm,0.8s						
556A	Lake Butler	38.66	349	P	P	04	14 02.6	-0.8
556A		1.1nm,0.8s						
554A	Perry	39.01	347	P	P	04	14 05.9	-0.4
554A		1.1nm,0.8s						
451A	Vernon	40.01	345	P	P	04	14 13.9	-0.7
451A		1.1nm,0.8s						
353A	Camilla	40.34	347	P	P	04	14 17.1	-0.2
353A		1.1nm,0.8s						
256A	Glennville	40.50	350	P	P	04	14 19.1	+0.5
256A		1.1nm,0.8s						
254A	Abbeville	40.72	348	P	P	04	14 20.6	+0.2
254A		1.1nm,0.8s						
LNIG	Linares	40.91	324	eP	P	04	14 22.5	+0.3
LNIG		8.2nm,0.9s						
350A	Dozier	40.93	344	P	P	04	14 22.1	-0.1
350A		1.1nm,0.8s						
253A	Americus	41.01	347	P	P	04	14 22.4	-0.4
253A		1.1nm,0.8s						
252A	Lumpkin	41.08	347	P	P	04	14 22.9	-0.4
252A		1.1nm,0.8s						
349A	Repton	41.10	343	P	P	04	14 23.7	+0.1
349A		1.1nm,0.8s						
155A	Kite	41.22	350	P	P	04	14 24.4	-0.1
155A		1.1nm,0.8s						
154A	Montrose	41.33	349	P	P	04	14 25.5	0.0
154A		1.1nm,0.8s						
154A	Montrose	41.33	349	eP	P	04	14 26.0	+0.6
154A		21nm,0.6s						
251A	Midway	41.34	346	P	P	04	14 25.1	-0.4
251A		1.1nm,0.8s						
NHSC	New Hope	41.35	353	P	P	04	14 26.0	+0.5
NHSC		1.1nm,0.8s						
NHSC	New Hope	41.35	353	eP	P	04	14 26.7	+1.2
NHSC		1.1nm,0.8s						
249A	Camden	41.67	344	P	P	04	14 27.8	-0.3
249A		1.1nm,0.8s						
152A	Waverly Hall	41.72	347	P	P	04	14 28.4	-0.3
152A		1.1nm,0.8s						
152A	Waverly Hall	41.72	347	eP	P	04	14 28.7	+0.1
152A		9.3nm,0.9s						
151A	Opelika	41.73	346	P	P	04	14 28.2	-0.5
151A		1.1nm,0.8s						
Z54A	Sparta	41.89	349	P	P	04	14 29.5	-0.5
Z54A		1.1nm,0.8s						
150A	Eclectic	41.98	345	P	P	04	14 30.1	-0.5
150A		1.1nm,0.8s						
Z53A	Monticello	42.07	348	P	P	04	14 31.1	-0.3
Z53A		1.1nm,0.8s						
Z52A	Williamson	42.16	347	P	P	04	14 31.5	-0.7
Z52A		1.1nm,0.8s						
GOGA	Godfrey	42.18	349	P	P	04	14 31.8	-0.5
GOGA		1.1nm,0.8s						
Y54A	Tignall	42.47	350	P	P	04	14 34.3	-0.3
Y54A		1.1nm,0.8s						
Z50A	Ashland	42.57	346	P	P	04	14 34.8	-0.6
Z50A		1.1nm,0.8s						
Z50A	Ashland	42.57	346	eP	P	04	14 35.3	-0.2
Z50A		9.3nm,0.7s						
Y53A	Monroe	42.63	349	P	P	04	14 35.3	-0.7
Y53A		1.1nm,0.8s						
LRAL	Lakeview Retre	42.64	344	P	P	04	14 35.1	-0.9
LRAL		1.1nm,0.8s						
Z49A	Columbiana	42.66	345	P	P	04	14 35.4	-0.8
Z49A		1.1nm,0.8s						
Y51A	Rockmart	42.98	347	P	P	04	14 38.1	-0.7
Y51A		1.1nm,0.8s						
Z47A	Carrollton	43.09	343	P	P	04	14 38.6	-1.0
Z47A		1.1nm,0.8s						
Z48A	Northport	43.11	344	P	P	04	14 38.9	-0.9
Z48A		1.1nm,0.8s						
341A	Kurthwood	43.14	336	P	P	04	14 40.1	0.0
341A		1.1nm,0.8s						
X53A	Estanollee	43.21	349	P	P	04	14 39.9	-0.7
X53A		1.1nm,0.8s						
Y49A	Blount Mountai	43.27	345	P	P	04	14 40.0	-1.0
Y49A		1.1nm,0.8s						
Z46A	Louisville	43.34	342	P	P	04	14 41.0	-0.7
Z46A		1.1nm,0.8s						
KMSC	Kings Mountain	43.31	352	P	P	04	14 42.6	-0.3
KMSC		1.1nm,0.8s						
833A	Chaparral WMA	43.54	327	P	P	04	14 44.4	+1.1
833A		1.1nm,0.8s						
833A	Chaparral WMA	43.54	327	eP	P	04	14 45.0	+1.6
833A		1.1nm,0.8s						
X50B	Fort Payne	43.66	344	P	P	04	14 43.0	-1.2
X50B		1.1nm,0.8s						
Y47A	UCPARC, Winfie	43.69	344	P	P	04	14 43.2	-1.3
Y47A		1.1nm,0.8s						
W53A	Culowhee	43.83	350	P	P	04	14 45.1	-0.6
W53A		1.1nm,0.8s						
X49A	Woodville	43.87	346	P	P	04	14 44.6	-1.3
X49A		1.1nm,0.8s						
Y46A	Houston	43.96	343	P	P	04	14 45.4	-1.1
Y46A		1.1nm,0.8s						
X48A	Hartselle	43.99	345	P	P	04	14 45.6	-1.2
X48A		1.1nm,0.8s						
NATX	Nacogdoches	44.13	335	P	P	04	14 47.9	-0.1
NATX		1.1nm,0.8s						

W51A	Cleveland	44.13	348	P	P	04	14 47.4	-0.6
W51A		1.1nm,0.8s						
V53A	Saluda	44.26	350	P	P	04	14 48.4	-0.6
V53A		1.1nm,0.8s						
X47A	Russellville	44.27	344	P	P	04	14 47.6	-1.4
X47A		1.1nm,0.8s						
W50A	Signal Mountai	44.29	347	P	P	04	14 48.5	-0.7
W50A		1.1nm,0.8s						
TKL	Tuckaleechee C	44.42						

18d 4h

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like J39A Decarah, P39A Decarah, H43A Windswept, Lux, K36A Gilmore City, etc.

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Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like SRU San Rafael Swe, C37A Embarrass, LCMT Little Creek M, GMRC Granite Mounta, etc.

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Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like HLID Hailey, SCHO Schefferville, SCHO Bozeman (W), BOZ Bozeman (W), etc.

Table with columns: ID, Name, Az, El, SNR, AzEl, and various flags. Includes stations like NORARS Array S, HAGfors, BVAR Borovoye Array, etc.

Table with columns: ID, Name, Az, El, SNR, AzEl, and various flags. Includes stations like PLCA Paso Flores, EFI East Falkland, TFO Taravao, etc.

Table with columns: ID, Name, Az, El, SNR, AzEl, and various flags. Includes stations like AS31 Alice Springs, ASAR Alice Springs, H01W1 Cape Leeuwin H, etc.

ADC 18 04:25:29.0, 0.5, 55.245x129.02W, h0km, mb4, 1/15, mb1 4.3/15, mb1mx4.2/33, mbtmp4, 1/15, MSS.2/25, Ms1 5.2/25, ms1mx5.0/30, Error ellipse: s-maj=22.2km s-min=17.7km az=138.0

PLCA Paso Flores 2012 04 94 LR 04 46 01.3 comp=Z,2um,20.1s,baz=250,slow=31

AS31 Alice Springs 74.70 251 eP P 04 37 05.7 -0.1 comp=Z,3.1nm,0.9s

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various flags. Includes stations like SBA Scott Base, RPN Rapa Nui, Vnda Vanda, etc.

Table with columns: ID, Name, Az, El, SNR, AzEl, and various flags. Includes stations like LCO Las Campanas, HOPE Hope Point, AFI Afiamalu, etc.

Table with columns: ID, Name, Az, El, SNR, AzEl, and various flags. Includes stations like WB2 Warramunga Arr, WB3 Warramunga Arr, WB4 Warramunga Arr, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like LP1G, ZAIG, KEKH, SRIG, LNIG, PCRV, HPIG, MTN, HSIG, RCBR, TX31, 833A, 833A, 214A, BAR, IKP, CPE, MONP2, SWSC, TUC, TUC, TUC, GLA, GLA, MNTX, MNTX, JCT, FRD, XPFO, PFO, CRPR, Y12C, PASC, BELC, MWC, FDF, MPR, BFSC, ICMP, 435B, IRM, OSI, SJG, HUMF, EDW2, HEC, GMRC, 061Z, GDHS, LDFO, GSC, STVI, SOEI, PAGB, ISA, TUQ, ABTX, BNM, PMPB, MPMC, W18A, MSTX, WUAZ, DAC, ANMO.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like ANMO, WAKE, SAO, FURC, H1N1, H1N1, SHPR, FAKI, TPNV, TPNV, AMTX, AMTX, OMMB, MDPB, KNB, MMRI, 450A, MCMC, CMB, CCUT, PKCU, SZCU, MVCO, MVCO, WAKR, NV01, NVAR, NVAR, NV11, GDXM, R11A, R11A, R11A, HOPS, MTPU, RUBR, PSUT, PNTR, T25A, KVN, VCNR, S22A, S22A, TCRU, ORV, KCPM, SDCO, PV12, PAHR, PV21, BEKR, SRU, TMUT, P17A, WDC, BMN, P18A, SMCO, Q24A.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like Q24A, MPU, DUG, KSCO, O20A, JLU, CTU, ISCO, YBH, YBH, CBKS, MOD, TCUT, SPUT, KAPI, HWUT, HUMO, HVU, WVOR, N23A, TNTI, PHWY, RWY, OGNE, J08A, AHID, MFID, LUWI, BW06, PD31, PDAR, SLM, HLID, K22A, REDW, H04A, TSUM, OLIL, BMO, G06A, G08A, YMR, YHB, F07A, RSSD, F10A, RLMT, BOZ, HAWA, E08A, E07A, E09A, LON, D05A, D08A, ECSD.

NLWA	Neilton Lookou	102.78	3	PFAKE	04 39 30.0 +7.3	RAGM	Ragged Mountai	116.39	351	PFAKE	04 44 20.0 +12	YSS	Yuzh-Sakhalins	126.10	302	PFAKE	04 44 40.0 +13
NLWA	Liberty	102.79	6	PFAKE	04 39 30.0 +7.2	RAGM	Home	116.40	347	PFAKE	04 44 20.0 +12	YSS	Pallekele	126.32	217	PFAKE	04 44 40.0 +11
LTY	Missoula	102.90	10	PFAKE	04 39 30.0 +6.6	HOM	Bradley Lake	116.42	348	PFAKE	04 44 20.0 +12	PALK	Nanjing	128.12	272	ePKP	04 44 37.8 +6.1
LTY	Alum Creek Sta	103.20	34	PFAKE	04 39 40.0 +15	HOM	Tana Glacier	116.61	352	PFAKE	04 44 20.0 +11	PALK	Chiang Mai Arr	128.34	244	ePKP	04 44 31.3 -1.2
MSO	Christman Ranch	103.48	7	PFAKE	04 39 40.0 +14	BRLL	Cordova Ski Ar	116.64	351	PFAKE	04 44 20.0 +11	CM31	Chiang Mai Arr	128.34	244	ePKP	04 44 31.3 -1.2
MSO	LASA Array	103.76	16	PFAKE	04 39 40.0 +13	BRLL	Baldy	116.85	353	PFAKE	04 44 20.0 +11	CMAR	Chiang Mai	128.63	244	PFAKE	04 44 40.0 +6.9
ACSO	Jette	103.77	10	PFAKE	04 39 40.0 +13	TGL	Bremner River	116.96	351	PFAKE	04 44 20.0 +11	CHTO	Wuhan	129.55	268	PKP	04 44 42.8 +8.4
ACSO	Colville Reser	103.97	7	PFAKE	04 39 40.0 +12	TGL	Divide	117.22	351	PFAKE	04 44 20.0 +10	CHTO	Guiyang	130.72	257	ePKP	04 41 35.0 +7.3
C09A	Marblemount	104.00	5	PFAKE	04 39 40.0 +12	EYAK	Saint Paul Isl	117.36	336	PFAKE	04 44 20.0 +10	WHN	Magadan	131.37	318	PFAKE	04 44 50.0 +13
C09A	Davao City (W)	104.55	261	PFAKE	04 39 40.0 +8.5	EYAK	Rabbit Creek A	117.58	349	PFAKE	04 44 20.0 +10	WHN	Kunming	131.81	252	PKP	04 44 43.4 +4.2
LAO	Arkdale	104.70	28	PFAKE	04 39 40.0 +8.7	BALM	Sheep Creek Mo	118.06	350	PFAKE	04 44 20.0 +8.5	WHN	KMI	131.81	252	PKP	04 44 53.3
LAO	Drager Farm,	104.80	29	PFAKE	04 39 40.0 +8.3	BALM	Sawmill	118.13	350	PFAKE	04 44 20.0 +8.4	WHN	KMI	131.81	252	PKP	05 04 52.8 +17
JTMT	Waterton Lakes	105.11	10	PFAKE	04 44 00.0	RC01	Klutina	117.59	351	PFAKE	04 44 20.0 +9.4	MA2	KMI	131.81	252	PKP	04 44 43.4 +4.2
JTMT	Windswept, Lux	105.65	29	PFAKE	04 44 00.0	RC01	Susitna One	118.05	348	PFAKE	04 44 20.0 +8.4	MA2	KMI	131.81	252	PKP	04 44 53.3
B08A	Rib Lake	105.73	27	PFAKE	04 44 00.0	RC01	Yellowknife Ar	118.42	7	PFAKE	04 44 20.0 +8.0	MA2	KMI	131.81	252	PKP	05 04 52.8 +17
B08A	Dagmar	105.81	17	PFAKE	04 44 00.0	RC01	HAARP	118.42	351	PFAKE	04 44 20.0 +7.9	KMI	Enshi	132.09	263	PFAKE	04 44 50.0 +11
B06A	Maddock	106.04	20	PFAKE	04 44 00.0	SUA	Skwentna	118.65	348	PFAKE	04 44 20.0 +7.4	ENH	Changchun	132.77	288	eP	04 44 35.3 -4.8
DAV	Lillooet	106.07	5	PFAKE	04 44 00.0	SUA	Paxson	119.01	351	PFAKE	04 44 20.0 +6.7	ENH	Tamanrasset	133.10	115	PFAKE	04 44 50.0 +8.4
DAV	State Game Lan	106.26	39	PFAKE	04 44 00.0	SCM	Denali Highway	119.28	350	PFAKE	04 44 30.0 +16	TAM	Kangerlussuaq	135.44	33	PFAKE	04 45 00.0 +16
411A	Basking Ridge	106.49	40	PFAKE	04 44 00.0	SCM	Purkeypile	119.62	348	PFAKE	04 44 30.0 +15	SFJD	Arta Tunnel	135.49	168	PFAKE	04 45 00.0 +14
411A	The Farm, Brul	106.64	26	PFAKE	04 44 00.0	SML	Dawson	119.68	355	PFAKE	04 44 30.0 +15	ATD	Chengdu	135.78	258	PKP	04 44 51.4 +5.2
I42A	Lusaka	106.73	157	PFAKE	04 44 00.0	SML	Independ'e Rid	119.72	352	PFAKE	04 44 30.0 +15	ATD	CD2	135.78	258	PKP	04 44 57.8
I42A	Ogdensburg	106.83	40	PFAKE	04 44 00.0	GHO	Mahe Island	119.76	185	PFAKE	04 44 30.0 +14	ATD	CD2	135.78	258	PKP	04 52 01.8 +4.7
I42A	Lahad Datu	106.91	254	PFAKE	04 44 00.0	YKWS	Sand Creek	119.88	352	PFAKE	04 44 30.0 +15	CD2	CD2	135.78	258	PKP	04 54 27.1 +7.5
WALA	Binghamton	107.31	38	PFAKE	04 44 00.0	YKWS	Thorofare Moun	119.94	349	PFAKE	04 44 30.0 +15	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
PAGS	Yonaguni jima	107.98	270	PFAKE	04 44 00.0	HARP	Yonaguni jima	119.98	270	PFAKE	04 44 30.0 +14	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
PAGS	Sibu	107.96	247	PFAKE	04 44 00.0	HARP	McKinley	120.08	350	PFAKE	04 44 30.0 +15	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
G40A	Kuching	108.12	245	PFAKE	04 44 10.0	SKT	Kantishna Hill	120.11	349	PFAKE	04 44 30.0 +15	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
DGMT	Dawson Inlet,	108.55	358	PFAKE	04 44 00.0	SKT	Castle Rocks	120.11	348	PFAKE	04 44 30.0 +15	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
MDND	DAWSON INLET	108.55	358	T	06 40 35.1	PAX	Eagle	120.49	354	ePKP	04 44 15.4 -0.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
LLLB	SNR=34	108.60	358	T	06 40 39.5	PAX	Harding Lake	120.55	351	PFAKE	04 44 30.0 +14	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
N59A	Kota Kinabalu	108.86	252	PFAKE	04 44 10.0	DHY	Browne	120.56	350	PFAKE	04 44 30.0 +14	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
N59A	Lac du Bonnet	109.08	22	PFAKE	04 44 10.0	DHY	Bear Paw Mtn.	120.65	349	PFAKE	04 44 30.0 +14	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
BRNJ	Adirondack Com	109.17	39	PFAKE	04 44 10.0	DHY	Wood River Hill	120.72	350	PFAKE	04 44 30.0 +14	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
BRNJ	Adam Dzewonsk	109.19	41	PFAKE	04 44 10.0	DHY	Clear Creek Bu	120.86	351	ePKP	04 44 17.7 +1.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
E38A	Newcomb	109.49	39	PFAKE	04 44 10.0	DHY	Murphy Dome	121.21	351	PFAKE	04 44 14.1 -2.7	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
E38A	Lake Ozonia	109.92	38	PFAKE	04 44 10.0	DHY	Eielson Array	120.90	351	ePKP	04 44 17.8 +1.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
G40A	Lisbon	110.55	40	PFAKE	04 44 10.0	DHY	College	121.09	351	PFAKE	04 44 30.0 +13	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
DGNJ	Mykoma Kota Tinggi	111.61	239	PFAKE	04 44 10.0	DHY	Schefferville	121.23	37	PFAKE	04 44 30.0 +12	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
DGNJ	Wrangeli Islan	111.77	358	PFAKE	04 44 10.0	DHY	Mbarara	121.50	156	PFAKE	04 44 30.0 +10	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ODNJ	Flin Flon	112.22	16	PFAKE	04 44 10.0	DHY	Manley	121.53	349	PFAKE	04 44 30.0 +12	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ODNJ	Sitka	112.49	356	PFAKE	04 44 10.0	DHY	Fort Yukon	122.54	352	PFAKE	04 44 30.0 +10	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
MYLDM	Unalaska Valle	113.44	337	PFAKE	04 44 10.0	DHY	Torodi Ar. Beak	123.05	118	PKP	04 44 19.0 -3.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
MYLDM	Akutut	113.55	337	PFAKE	04 44 10.0	DHY	Torodi Ar. Sit	123.05	118	ePKP	04 44 19.0 -3.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
E38A	Juneau Island	113.68	357	PFAKE	04 44 10.0	DHY	Torodi Ar. Sit	123.05	118	PFAKE	04 44 30.0 +7.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
E38A	False Pass	113.73	339	PFAKE	04 44 10.0	DHY	Norne	123.13	342	PFAKE	04 44 30.0 +8.9	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
G40A	Sitkinak Islan	113.74	345	PFAKE	04 44 10.0	DHY	Petropavlovsk	123.61	316	PFAKE	04 44 30.0 +7.7	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ACCN	Dease Lake	113.76	359	PFAKE	04 44 10.0	DHY	Coldfoot	123.61	350	PFAKE	04 44 30.0 +8.1	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ACCN	Atka Island	113.84	331	PFAKE	04 44 10.0	DHY	Gambell	123.61	339	PFAKE	04 44 30.0 +8.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
HRV	Bessie Mountai	114.00	357	PFAKE	04 44 20.0	DHY	Inuvik	123.71	358	PFAKE	04 44 30.0 +8.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
HRV	Kodiak Island	114.70	346	PFAKE	04 44 20.0 +15	DHY	PEAOB	124.05	316	PFAKE	04 44 30.0 +6.8	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
NCB	SKagway	114.90	356	PFAKE	04 44 20.0 +15	DHY	PETK	124.05	316	PKP	04 44 18.2 -5.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
NCB	lpho	115.32	238	PFAKE	04 44 20.0 +12	DHY	PETK	124.05	316	PKP	04 44 18.2 -5.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
SBUM	Kulim	116.20	238	PFAKE	04 44 20.0 +11	DHY	TOA1	123.05	118	ePKP	04 44 19.0 -3.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
SBUM	China Poot	116.22	348	PFAKE	04 44 20.0 +12	DHY	TOA2	123.05	118	PFAKE	04 44 30.0 +7.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
KSM	Kuching	108.12	245	PFAKE	04 44 10.0	DHY	ANM	123.13	342	PFAKE	04 44 30.0 +8.9	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
KSM	Dawson Inlet,	108.55	358	PFAKE	04 44 00.0	DHY	PET	123.61	316	PFAKE	04 44 30.0 +7.7	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
DIB	DAWSON INLET	108.55	358	T	06 40 35.1	DHY	PET	123.61	316	PFAKE	04 44 30.0 +7.7	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
H02S1	SNR=34	108.60	358	T	06 40 39.5	DHY	COLD	123.61	350	PFAKE	04 44 30.0 +8.1	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
H02N1	VAN INLET T-PH	108.60	358	T	06 40 39.5	DHY	COLD	123.61	350	PFAKE	04 44 30.0 +8.1	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
KKM	Kota Kinabalu	108.86	252	PFAKE	04 44 10.0	DHY	GAMB	123.61	339	PFAKE	04 44 30.0 +8.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
KKM	Lac du Bonnet	109.08	22	PFAKE	04 44 10.0	DHY	INK	123.71	358	PFAKE	04 44 30.0 +8.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ULM	Adirondack Com	109.17	39	PFAKE	04 44 10.0	DHY	PEAOB	124.05	316	PFAKE	04 44 30.0 +6.8	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ULM	Adam Dzewonsk	109.19	41	PFAKE	04 44 10.0	DHY	PETK	124.05	316	PKP	04 44 18.2 -5.0	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ACCN	Newcomb	109.49	39	PFAKE	04 44 10.0	DHY	TOA1	123.05	118	ePKP	04 44 19.0 -3.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
ACCN	Lake Ozonia	109.92	38	PFAKE	04 44 10.0	DHY	TOA2	123.05	118	PFAKE	04 44 30.0 +7.5	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
HRV	Lisbon	110.55	40	PFAKE	04 44 10.0	DHY	ANM	123.13	342	PFAKE	04 44 30.0 +8.9	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
HRV	Mykoma Kota Tinggi	111.61	239	PFAKE	04 44 10.0	DHY	PET	123.61	316	PFAKE	04 44 30.0 +7.7	CD2	CD2	135.78	258	PKP	05 05 37.9 +15
NCB	Wrangeli Islan	111.77	358	PFAKE													

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like BFO Black Forest, NIL Nilore, FUORN Offenpass-Fuorn, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like MNAI Manna, MASMA Maura Aman, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like CHTO Chiang Mai, MBWA Marble Bar, QIZ Qiongzhou, etc.

MOS 18 04:33:55.7, 1.2, 4.29S; 102.83E, h46km, mb5.5/69, MS4.0/5, Error ellipse: s-maj=8.4km s-min=4.5km az=111.3

KLM 18 04:33:57.0, 4.74S; 102.29E, h68km, mb5.6 BUJ 18 04:33:58.2, 4.40S; 102.70E, h68km, mb5.3/64, mB5.0/45, MS4.6/45, MS7.4/342

WR1 Warrungarra Arr 34.47 119 eP P 04 40 39.8 -1.2 WRA Warrungarra Arr 34.47 119 P P 04 40 39.8 -1.2 WRA Warrungarra Arr 34.47 119 P P 04 40 39.8 -1.2

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like AKTO, AKTY, MAW, YAK, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like VVDA, VVDA, MOS, OBN, SBA, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ARCES, MATE, OKC, etc.

18d 4h

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like W42A Bald Knob, T49A Edmonton, T49A Edmonton, etc.

2012 JUL

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like X51A Calhoun, KM5C Kings Mountain, KM5C Jasper, etc.

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Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MJAR 1.5m, MAJO Matushiro, MAJO Matushiro, etc.

18d 04:54:01.5, 0.6, 29.06N; 142:57E, h0km, mb4.2/21, mb1 4.3/25, mb1mx4.1/67, mb1tmp4.1/25, ML3.5/3, MS4.9/4, ms1 4.9/4, ms1mx3.0/54, Error ellipse: s-maj=16.6km s-min=13.4km az=8.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRVK Borovoye, KK31 Karatay Array, and others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sumatera Code, SNI Sinabang, Aceh, and others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK 16nm,0.4s, and others.

NEIC 18 05:25:53.8,0.0,36:95S:177:34E,h143km,ML4.0(WEL), After WEL

WEL 18 05:25:54.7,37 S:4:17.7E:1,h152km,5km, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAZ Te Kaha, MXZ Matakaoa Point, and others.

ISCJB 18 04:54:51.3,1.0,5.7S:0.1:149:8E:0.3,h150km,mb4.0/6, Error ellipse: s-maj=39.0km s-min=9.7km az=24.5

IDC 18 04:54:53.1,2.7,5.7S:149:74E,h150km,22km,mb3.4/7, m1 3.9/h, m1mx3.5/48, mbtmp4.3/8, MS4.7/1, m1 3.7/1, m1mx1.3/37, Error ellipse: s-maj=42.9km s-min=14.6km az=103.0

ISC 18 04:54:53.0,1.1,5.7S:0.2:149:8E:0.3,h150km,n8, r=103/10,mb4.1/6, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, and others.

NNC 18 04:57:59.2:15.0,54:52N-88:02E,h12km,89km,mb3.6, mpv3.3,5C-5D, Error ellipse: s-maj=142.8km s-min=92.8km az=35.0, Suspected Mining explosion..

Southern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZAAO Zalesovo Array, KURK Kurchatov, and others.

IDC 18 05:00:15.5:1.0,2:68N-95:53E,h0km,mb4.1/16, m1 4.2/17, m1mx3.9/66, mbtmp4.1/17, ML4.7/1, MS4.5/2, Ms1 4.5/2, m1mx3.4/61, Error ellipse: s-maj=35.2km s-min=18.9km az=57.0

ISCJB 18 05:00:17.5:0.4,2.63N:0.04:95:45E:0.4,h25km, mb4.3/25, MS4.5/4, Error ellipse: s-maj=7.0km s-min=4.5km az=43.0

DJA 18 05:00:18.5:0.9,3 N:3:9 S:9 E:1, h21km,6km, M4.2/9, mb4.3/1, MLV4.1/9

NEIC 18 05:00:20.4:1.2,2:64N-95:53E,h36km,10km,mb4.4/8, Error ellipse: s-maj=13.7km s-min=6.0km az=72.0

ISC 18 05:00:19.2:0.6,2:66N:0.04:95:47E:0.06,h25km,n83, r=1943/11,mb4.3/24,MS4.5/4, Off west coast of northern

NNC 18 05:18:20.2:6.7,37.11N:70:58E,h0km,mb3.8,mpv3.4, 5C-3D, Error ellipse: s-maj=51.6km s-min=43.5km az=163.0, Afghanistan-Tajikistan border region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAZ Te Kaha, MXZ Matakaoa Point, and others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like XPFO, BBRC, AFDM, WDC, ORV, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GRNR, I03D, DL2, NKL, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KNB, KAN, LON, GAMB, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like UDBI, KRUS, TUE, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like KEST, THNT, LIC, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like TXAR, HFS, BLDU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KURS Kuram, SHLS Shalkode, CHMS Chumysh, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HFS baz=57,slow=12, HFS Hagfors, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NNC 18 09:41:41.5:2.8,37:13N,70:62E, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ISK 18 10:08:11.4, 40:58N,36:88E, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ERBA Erbaa, ERBA Erbaa, TOKT Tokat, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ISK 18 10:17:24.0:0.4, 32:25N,0:02:115:21W, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CPXB Cerro Prieto, CPXB Cerro Prieto, MBIG Mexicali, etc.

ISCJB 18 09:33:22.0:0.6, 54:9S,0:1:127:3W,0:2,h10km,mb4.2/12, MS4.0/13, Error ellipse: s-maj=21.8km s-min=15.4km az=40.5

IDC 18 09:33:22.4:0.6, 54:89S,127:43W,h0km,mb4.1/10, mb1.4,3/10,mb1mx4.1/34,mbtmp4.1/10,MS3.9/13, Ms1.3/13,ms1mx3.7/30, Error ellipse: s-maj=25.6km s-min=19.2km az=133.0

NEIC 18 09:33:23.6:0.4, 54.86S,127:45W,h10km,mb4.8/2, Error ellipse: s-maj=18.3km s-min=13.6km az=134.0

ISC 18 09:33:23.6:0.7, 54.8S,0:1:127:4W,0:2,h10km,n40, s=103/17,mb4.2/12,MS3.9/13,Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMSA Palmer Station, RKT Rikitea, VNA Vanda, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RNF Rovaniemi, TOF Tornio, VRF Varrio, etc.

IDC 18 09:34:44.9:4.0, 17.59S,178:35W,h0km,mb3.8/3, mb1.4/0.3,mb1mx3.5/47,mbtmp3.8/3, Error ellipse: s-maj=898.0km s-min=152.5km az=79.0, Fiji Islands region

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SWSC, GLA, ZAX, MONP2, CBX, etc.

DDA 18 10:46:51.0, 40:61N:36:94E, h7km, ML2.8
CSEM 18 10:46:51.0, 40:58N:36:96E, h2km, ML2.8, Error
ellipse: s-maj=5.3km s-min=3.9km az=167.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ERBA, TOKT, SVSK, etc.

IDC 18 10:55:42.0, 9:06S, 123:27E, h0km, mb4.4/17,
mb1.4/19, mb1mx4.5/33, mbmp4.4/19, ML5.02, MS3.2/2,
Ms1.3/2, ms1mx2.6/42, Error ellipse: s-maj=24.7km
s-min=12.9km az=68.0

ISCJB 18 10:55:52.0, 9:29S, 0:03, 123:36E, 0.03, h100km,
mb4.4/25, Error ellipse: s-maj=5.3km s-min=3.8km
az=35.2

NEIC 18 10:55:54.0, 9:29S, 123:29E, h104km, mb4.4/7,
Error ellipse: s-maj=10.4km s-min=7.0km az=60.0

DJA 18 10:55:55.0, 9:3S, 123:29E, h101km, M4.8/19,
m25.2/12, mb4.8/19, ML4.9/18, Mwm2.4/7.12

ISC 18 10:55:54.0, 9:33S, 0:05, 123:34E, 0.05, h100km, n90,
c224/96, mb4.5/25, 2d, Timor region

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

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IGBI, DENPASAR, LUWI, etc.

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SFK, SFK, MNAS, etc.

NNC 18 11:03:07.2, 3:37N:80N:72:14E, h209km, 21km, mb2.4,
mpv3.5, 8C-5D, Error ellipse: s-maj=25.7km
s-min=19.6km az=69.0, Tajikistan

ISCJB 18 11:17:50.8, 0:9, 33:39N, 0:04, 140:89E, 0:10,
h63km, 14km, mb3.5/2, Error ellipse: s-maj=13.8km
s-min=10.9km az=0.5

18d 13h

Table with columns: ARCO, comp, Station Name, Az, Phase, ID, Time, Res. Includes stations like Salagasta, Leoncito, Cerro Villicura, Paso Flores, etc.

SJA 18 13:29:16.5:0.5, 33.995N, 72.69W, h10km, ML3.1, MW3.8, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Hualae, El Roble, Uspallata, etc.

ISC 18 13:35:31.0:1.0, 39.96N, 53.31E, h0km, mb3.7/1.1, mb1.4/0.20, mb1mx3.8/6.6, mbtmp3.9/20, ML3.7/7.7, Error ellipse: s-maj=18.9km s-min=9.5km az=180.0, MOS 18 13:35:34.3:2.0, 40.09N, 53.51E, h38km, mb4.2/8, Error ellipse: s-maj=8.4km s-min=6.5km az=35.8, ISCJB 18 13:35:34.4:0.2, 40.06N, 53.59E, h0.02, h45km, mb4.1/1.16, Error ellipse: s-maj=5.7km s-min=2.2km az=8.2, CSEM 18 13:35:35.6:0.2, 40.08N, 53.61E, h30km, mb4.3/1.9, Error ellipse: s-maj=9.5km s-min=4.1km az=1.0, AZER 18 13:35:35.9:9.9, 39.71N, 53.34E, h35km, mb4.4/1.9, Error ellipse: s-maj=40.7km s-min=4.8km az=275.0, NEIC 18 13:35:36.0:0.8, 40.19N, 53.50E, h35km, mb4.1/1.6, Error ellipse: s-maj=16.4km s-min=7.3km az=14.0, NNC 18 13:35:39.4:3.8, 40.50N, 54.64E, h0km, mb4.1, mpv4.3, Error ellipse: s-maj=40.7km s-min=14.3km az=73.0, ISC 18 13:35:35.3:0.5, 40.00N, 0.05, 53.64E, h45km, n157, <218/208, mb4.0/1.7, 59C-57D, Turkmenistan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Gobu, Äli-Bayra, Qobustan, Altighaj, etc.

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Main table with columns: Station Name, Az, Phase, ID, Time, Res. Includes stations like Khinaliq, Qusar, Gabala, Zardab, Akhty, etc.

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Table with columns: Station Name, Az, Phase, ID, Time, Res. Includes stations like Tokmak 2, Tokmak 2, Ari, Borovoye, etc.

SJA 18 13:38:06.0:0.5, 34.195N, 73.24W, h22km, 20km, ML3.6, MW4.2, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Hualae, El Roble, Uspallata, etc.

ISCJB 18 13:41:08.7:2.1, 11.31N, 0.0:0.4, 126.42E, 0.06, h19km, 13km, mb4.0/1.4, MS3.1/1, Error ellipse: s-maj=9.6km, ID 18 13:41:09.1:0.8, 11.26N, 126.15E, h0km, mb4.0/1.2, mb1.4/1.12, mb1mx3.8/6.2, mbtmp4.0/12, MS3.1/3, Ms1.3/1.3, ms1mx2.7/5.1, Error ellipse: s-maj=47.4km s-min=13.7km az=69.0, NEIC 18 13:41:10.6:0.5, 11.27N, 126.15E, h10km, mb4.5/2, Error ellipse: s-maj=27.1km s-min=7.9km az=70.0, MAN 18 13:41:15.1, 11.46N, 126.04E, h25km, mb4.9, ML3.8, MS3.8

ISC 18 13:41:09.9,2.3,1130N,0105.126,23E,0108,h5km,14km, n37, c1527/40, mb4.1/14, 1C-2D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like Borongan, Palo, Ormoc, Maasin, etc.

MS3.4, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like Borongan, Palo, Ormoc, Cataman, Virac.

ISC 18 15:14:14.4,4.27,0.46,399N,47.64E,h0km, Error ellipse: s-maj=174.5km s-min=142.1km az=15.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like AKTYUBINSK INF, DUBNA INFRASON, FREYUNG INFRASZ.

ISC 18 15:18:26.9,2.3,1.62N,90.04E,h0km, mb3.5/4, mb1 3.7/5, mb1mx3.3/7.0, mbtmp3.7/5, ML3.9/1, Error ellipse: s-maj=69.5km s-min=28.5km az=47.0, North Indian Ocean

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like Pallekele, Makanchi Arr, SONGIO ARR, WARRANGUNGA ARR, KURBATOV ARR.

KRSC 18 15:30:22.5,1.8,50.72N,155.91E,h175km,12km,ML4.3 SKHL 18 15:30:22.1,0.7,51.03N,155.09E,h156km,3km,mb4.8/4, msh5.3/2

MOS 18 15:30:23.7,1.1,50.96N,155.36E,h176km,mb4.2/15, Error ellipse: s-maj=14.9km s-min=4.2km az=65.0, ISCJB 18 15:30:23.4,0.3,50.93N,155.04E,155.41E,0.07, h173km,2km,mb4.1/50, Error ellipse: s-maj=8.9km s-min=4.1km az=136.9

NEIC 18 15:30:25.0,5.1,15N,155.16E,h175km,5km,mb4.3/32, Error ellipse: s-maj=14.1km s-min=5.1km az=142.0, IDC 18 15:30:25.1,1.2,51.08N,155.30E,h174km,9km,mb3.5/17, mb1 3.7/22, mb1mx3.5/73, mbtmp4.1/22, MS2.1/1, Ms1 2.0/1, ms1mx1.9/56, Error ellipse: s-maj=15.5km s-min=9.6km az=155.0

ISC 18 15:30:24.1,0.6,50.88N,155.06E,h171km,5km, n162, c1861/198, mb4.2/50, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like Severo-Kuril's, Puzhetka, Malaya Ipe'l'ka, Asacha, Mutnovka, Karymskiy, etc.

Table with columns: KIL, Karymskiy, Kuril'skiy, etc. Lists stations like Karymskiy, Kuril'skiy, Kuril'skiy, etc. Includes various codes and station names.

MAN 18 14:03:08.9, 15.82N, 123.04E, h75km, mb4.8, ML3.7, MS3.7, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like Baler, Cauayan, Virac, Boac, Conner, Bolinao.

NIED 18 14:18:00, 40.90N, 143.30E, h29km, Mw3.5, Best double couple: M2, 25000, 1014, NP1, 3, 256, 00000, 842, 00000, 1, 41, 00000, NP2, 1, 10000, 865, 00000, 1, 55, 00000, JMA 18 14:18:18.5, 0.2, 40.86N, 143.32E, h18km, 4km, M3.5, ISCJB 18 14:18:19.6, 0.7, 40.86N, 143.32E, h48km, 9km, mb3.6/4, Error ellipse: s-maj=9.8km s-min=4.4km az=31.0, IDC 18 14:18:22.0, 3.1, 40.93N, 143.32E, h47km, 25km, mb3.3/4, mb1 3.3/6, mb1mx3.1/61, mbtmp3.4/6, ML2.9/2, MS2.0/1, Ms1 2.0/1, ms1mx1.8/26, Error ellipse: s-maj=60.5km s-min=19.2km az=10.0

ISC 18 14:18:19.6, 0.7, 40.87N, 143.38E, 0.07, h29km, 20km, n27, c0886/32, mb3.6/4, 3C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like Erimo, Tokachihiroo, Unakawa-nobuka, Tenabayahashi, Ohata, Kayabe, Ohasama, Furan, Ashorobuto, Ichinoseki, Asahikawa, Matsuhiro Arr, WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPITS Spitsbergen Ar, BVAR Borovoye Array, YBH Yreka Blue Hole, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOWA Kowa, I11CV MAIO ISLAND, TORD Torodi Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JYT Yasato, JAG Ashikaga, JYR Ryogami san, etc.

Table with columns: Code, Station Name, Az, El, P, S, N, SNR, and other parameters. Includes stations like Yalova, Tayfur-Gelibol, GAD, Gvkgada, AKMC, etc.

Table with columns: Code, Station Name, Az, El, P, S, N, SNR, and other parameters. Includes stations like Kurbb, CMAR, KSRS, etc.

Table with columns: Code, Station Name, Az, El, P, S, N, SNR, and other parameters. Includes stations like H08S3, MKAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PRAC, HORO, VILC, YOTO, CHING, ROSC, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KVTX, 151A, 254A, 248A, 150A, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like V47A, 440A, IP05, T52A, 4U9A, etc.

18d 18h

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741A	Mountain View	60.88	341	P	P	18 34 19.6	-1.4
HHAR	Hobbs	60.89	338	eP	P	18 34 21.2	+0.1
Q49A	Aurora	60.95	347	P	P	18 34 20.2	-1.2
R45A	Skyilar, Fairri	61.05	344	P	P	18 34 20.8	-1.4
Q48A	North Vernon	61.06	346	P	P	18 34 20.8	-1.3
O56A	Blue Knob Stat	61.17	353	P	P	18 34 23.5	+0.5
O56A	Blue Knob Stat	61.17	353	eP	P	18 34 22.8	-0.1
T40A	Mansfield	61.21	340	P	P	18 34 22.6	-0.7
Q47A	Bedord North L	61.22	346	P	P	18 34 21.3	-1.9
TUL1	Leonard	61.22	337	P	P	18 34 22.8	-0.5
S42A	Caledonia	61.26	342	P	P	18 34 22.1	-1.4
VNA3	Neumayer Olymp	61.27	161	P	P	18 34 23.3	+0.1
P50A	Jamestown	61.32	348	P	P	18 34 22.8	-1.1
FVM	French Village	61.35	342	eP	P	18 34 22.9	-1.2
FVM	French Village	61.35	342	eP	pmax	18 34 22.9	-1.2
WMOK	Wichita Mouna	61.37	334	P	P	18 34 23.5	-0.9
WMOK	Wichita Mouna	61.37	334	PFAKE	LR	18 34 40.0	+1.6
S41A	Jillico Farms,	61.37	341	P	P	18 34 23.4	-1.0
T39A	Cleaver	61.38	339	P	P	18 34 23.5	-0.8
P49A	Miami Univ. Ec	61.42	348	P	P	18 34 23.0	-1.7
SSPA	Standing Stone	61.46	354	P	P	18 34 25.0	+0.1
SSPA	Standing Stone	61.46	354	eP	P	18 34 24.7	-0.1
R43A	Red Bud	61.48	343	P	P	18 34 24.1	-0.9
VNA1	Neumayer-Stat	61.49	160	P	P	18 34 25.8	+1.1
P48A	Milroy	61.50	347	P	P	18 34 23.2	-1.9
PAL	Palisades	61.53	357	P	P	18 34 25.1	-0.2
N59A	State Game Lan	61.55	355	P	P	18 34 25.9	+0.4
Q45A	Warren Harvey,	61.59	344	P	P	18 34 24.2	-1.6
S40A	Lebanon	61.62	340	P	P	18 34 24.7	-1.3
CCM	Cathedral Cave	61.65	342	P	P	18 34 26.2	0.0
CCM	Cathedral Cave	61.65	342	eP	P	18 34 25.7	-0.5
CCM	Cathedral Cave	61.65	342	eP	pmax	18 34 25.7	-0.5
T38A	Diamond	61.70	339	P	P	18 34 26.0	-0.5
P47A	Martinsville	61.71	346	P	P	18 34 25.2	-1.3
R42A	Lubbering	61.73	342	P	P	18 34 25.5	-1.2
ACSO	Alum Creek Sta	61.77	349	P	P	18 34 26.0	-1.0
ACSO	Alum Creek Sta	61.77	349	eP	P	18 34 25.6	-1.3
ACSO	Cable	61.80	349	P	P	18 34 25.9	-1.3
Q44A	Meyer Farm, Va	61.82	344	P	P	18 34 25.8	-1.5
R41A	Rosebud	61.92	342	P	P	18 34 27.2	-0.7
MNTX	Cornudas Mount	61.93	327	P	P	18 34 27.9	-0.3
MNTX	Cornudas Mount	61.93	327	eP	P	18 34 27.0	-1.2
MNTX	Cornudas Mount	61.93	327	eP	LR	18 34 27.0	-1.2
S39A	Bolivar	61.97	340	P	P	18 34 27.4	-0.9
S39A	Bolivar	61.97	340	eP	P	18 34 27.1	-1.2
O49A	Covington	61.98	348	P	P	18 34 26.8	-1.5
M65A	Busby, Falmout	62.00	360	P	P	18 34 24.9	-3.5
N54A	Moraine State	62.03	352	P	P	18 34 28.4	-2.3
N54A	Moraine State	62.03	352	eP	P	18 34 28.4	-0.3
Q43A	New Douglas	62.04	343	P	P	18 34 27.2	-1.6
P46A	Rosedale	62.05	345	P	P	18 34 27.1	-1.7
P45A	Graceland, Par	62.09	345	P	P	18 34 27.4	-1.6
P45A	Graceland, Par	62.09	345	eP	P	18 34 27.1	-2.0
S38A	Stockton	62.10	339	P	P	18 34 28.4	-0.9
R40A	Maddies Statio	62.18	341	P	P	18 34 28.7	-1.0
R40A	Maddies Statio	62.18	341	eP	P	18 34 28.6	-1.1
KSPA	Keystone Colle	62.19	356	eP	P	18 34 30.2	+0.5
O48A	Farmland	62.21	347	P	P	18 34 28.6	-1.3
Q42A	Golden Eagle	62.24	342	P	P	18 34 29.0	-1.2
P44A	Sand Creek, Wi	62.25	344	P	P	18 34 28.9	-1.2
N50A	Nevada	62.33	349	P	P	18 34 29.2	-1.4
BRYW	Bryant College	62.37	359	eP	P	18 34 31.4	+0.5
O47A	Sheridan	62.40	347	P	P	18 34 29.2	-2.0
R39A	Chumby, Stover	62.44	340	P	P	18 34 30.8	-0.7
Q41A	Truxton	62.48	342	P	P	18 34 31.1	-0.6
MSTX	Muleshoe	62.49	330	P	P	18 34 30.9	-1.1
M54A	Oil Creek Stat	62.52	352	P	P	18 34 31.9	-0.1
M54A	Oil Creek Stat	62.52	352	eP	P	18 34 31.4	-0.6
R38A	Fenwick Farm,	62.61	339	P	P	18 34 32.0	-0.5
P43A	Skaggs, Pawnee	62.65	344	P	P	18 34 31.7	-1.1
AMTX	Amarillo	62.74	331	P	P	18 34 32.7	-1.0
SFIN	Lafayette	62.75	346	P	P	18 34 31.6	-1.9
SFIN	Lafayette	62.75	346	eP	P	18 34 31.4	-2.1
Q40A	Laux Farm, Aux	62.77	341	P	P	18 34 32.9	-0.8
O45A	Potomac	62.77	345	P	P	18 34 32.0	-1.7
P42A	Winchester	62.82	343	P	P	18 34 32.8	-1.1
P42A	Winchester	62.82	343	eP	P	18 34 32.1	-1.8
BINY	Binghamton	62.84	355	P	P	18 34 34.3	+0.2
BINY	Binghamton	62.84	355	eP	P	18 34 33.7	-0.4
BINY	Binghamton	62.84	355	eP	LR	18 34 33.7	-0.4
M50A	Fremont	62.92	349	P	P	18 34 33.4	-1.2
HRV	Adam Dzewonsk	62.95	359	P	P	18 34 34.7	0.0
HRV	Adam Dzewonsk	62.95	359	eP	P	18 34 34.8	0.0

HRV	Adam Dzewonsk	62.95	359	eP	P	18 34 34.8	0.0
HRV	Adam Dzewonsk	62.95	359	eP	pmax	18 34 34.8	0.0
Q39A	Wilcox Grove F	63.09	341	P	P	18 34 35.1	-0.6
P41A	Barry, Barry	63.10	342	P	P	18 34 34.6	-1.3
M49A	Liberty Center	63.16	349	P	P	18 34 35.1	-1.1
N46A	Monticello	63.16	346	P	P	18 34 34.8	-1.4
ERPA	Erie	63.16	352	P	P	18 34 35.7	-0.5
O43A	Sugar Creek Fa	63.20	344	P	P	18 34 34.9	-1.6
Q38A	Cooks Store, C	63.22	340	P	P	18 34 36.2	-0.4
TRY	Troy	63.24	357	eP	P	18 34 35.8	-0.9
P40A	Paris	63.25	341	P	P	18 34 36.2	-0.7
P40A	Paris	63.25	341	eP	P	18 34 35.9	-0.9
N45A	Kentland	63.29	346	P	P	18 34 35.3	-1.8
O42A	Bath	63.32	343	P	P	18 34 35.7	-1.6
N44A	Piper City	63.39	345	P	P	18 34 35.7	-2.0
Q37A	Longview Farm,	63.41	339	P	P	18 34 36.9	-1.0
P39B	Salisbury	63.43	341	P	P	18 34 37.4	-0.6
HDIL	Hopedale	63.45	344	P	P	18 34 36.6	-1.6
HDIL	Hopedale	63.45	344	PFAKE	LR	18 34 50.0	+1.2
O41A	Pasleys Farm,	63.46	343	P	P	18 34 36.5	-1.7
SNAAs	Sanae	63.48	161	P	P	18 34 38.3	+0.3
SNAAs	Sanae	63.48	161	P	P	18 34 38.4	+0.3
SNAAs	Sanae	63.48	161	eP	LR	19 03 44.5	
SNAAs	Sanae	63.48	161	eP	LR	18 34 37.8	-0.3
SNAAs	Sanae	63.48	161	eP	P	18 34 38.1	0.0
MMNY	Mt. Morris Dam	63.54	354	eP	P	18 34 38.4	-0.3
M46A	Old House Fiel	63.56	347	P	P	18 34 37.0	-1.8
M45A	Boilermakers S	63.74	346	P	P	18 34 38.3	-1.7
O40A	La Belle	63.75	342	P	P	18 34 38.5	-1.6
N43A	Stutzman Famil	63.78	344	P	P	18 34 39.2	-1.0
P38A	Dawn	63.80	340	P	P	18 34 39.6	-0.9
121A	Cookes Peak, D	63.85	325	P	P	18 34 40.3	-0.9
N42A	Yates City	63.90	344	P	P	18 34 39.7	-1.3
AAM	Ann Arbor	63.90	349	P	P	18 34 40.1	-0.9
AAM	Ann Arbor	63.90	349	PFAKE	LR	18 34 50.0	+8.9
M44A	Midewin, Midew	63.93	345	P	P	18 34 39.5	-1.8
N41A	Harden Midland	64.00	343	P	P	18 34 40.3	-1.5
N41A	Harden Midland	64.00	343	eP	P	18 34 39.7	-2.1
P37A	Lathrop	64.02	340	P	P	18 34 41.0	-1.0
O39A	Kirkville	64.07	341	P	P	18 34 41.5	-0.7
HNH	Hanover	64.16	359	eP	P	18 34 44.3	+1.6
M43A	Waltham Townsh	64.19	345	P	P	18 34 41.5	-1.5
O38A	Galt	64.23	341	P	P	18 34 42.3	-1.0
KSU1	Kansas State U	64.35	338	P	P	18 34 43.0	-1.1
KSU1	Kansas State U	64.35	338	PFAKE	LR	18 35 00.0	+1.6
N40A	Mertquake, Sal	64.37	342	P	P	18 34 43.0	-1.1
M42A	Sheffield	64.41	344	P	P	18 34 42.9	-1.5
O37A	Wolven Farm, M	64.48	340	P	P	18 34 44.1	-0.9
NCB	Newcomb	64.50	357	eP	P	18 34 45.7	+0.8
BNN	Comp=2,15nm,1.1s	64.51	327	eP	P	18 34 47.1	+1.5
M41A	Milten Site	64.54	343	P	P	18 34 43.7	-1.6
N39A	Derby Farms, D	64.63	342	P	P	18 34 44.9	-0.9
N39A	Derby Farms, D	64.63	342	eP	P	18 34 45.5	-0.3
LBNH	Lisbon	64.69	359	P	P	18 34 47.1	+0.8
LBNH	Lisbon	64.69	359	eP	P	18 34 47.5	+1.3
LBNH	Lisbon	64.69	359	eP	pmax	18 34 47.5	+1.3
N38A	Joos South For	64.77	341	P	P	18 34 46.1	-0.7
M40A	Post Highland	64.83	343	P	P	18 34 46.1	-1.1
L43A	Garden Prairie	64.85	345	P	P	18 34 46.1	-1.2
L42A	Oliver, Polo	64.91	344	P	P	18 34 46.3	-1.3
LAZ	Ladron	64.97	327	eP	P	18 34 50.3	+1.8
N37A	Lee Faris, Mou	65.04	340	eP	P	18 34 48.1	-0.5
N37A	Lee Faris, Mou	65.04	340	eP	P	18 34 48.6	+0.1
TASL	SNAKE PIT, Alb	65.05	328	P	P	18 34 49.1	+0.1
ANMO	Albuquerque	65.06	328	P	P	18 34 49.5	+0.5
ANMO	Albuquerque	65.06	328	P	LR	19 01 22.7	
ANMO	Albuquerque	65.06	328	P	LR	18 34 49.4	+0.3
ANMO	Albuquerque	65.06	328	eP	P	18 34 50.4	+1.4
ANMO	Albuquerque	65.06	328	eP	pmax	18 34 50.4	+1.4
TASM	ASL Pad, Albuq	65.06	328	P	P	18 34 49.5	+0.4
M39A	Webster	65.09	342	P	P	18 34 47.4	-1.5
LON3Y	Lake Ozonia	65.16	357	P	P	18 34 49.6	+0.3
LON3Y	Lake Ozonia	65.16	357	eP	P	18 34 50.0	+0.7
LON3Y	Lake Ozonia	65.16	357	eP	LR	18 34 50.0	+0.7
L41A	Preston	65.19	344	P	P	18 34 48.0	-1.4
K43A	Burlington	65.24	346	P	P	18 34 48.4	-1.4
CBKS	Cedar Bluff	65.27	335	P	P	18 34 50.1	-0.1
CBKS	Cedar Bluff	65.27	335	eP	P	18 34 51.0	+0.8
CBKS	Cedar Bluff	65.27	335	eP	pmax	18 34 51.0	+0.8
TUC	Tucson	65.32	323	PFAKE	LR	18 35 00.0	+9.3
M38A	Pleasantville	65.33	341	P	P	18 34 49.5	-1.0
N36A	Muff Farm, Cla	65.33	340	P	P	18 34 50.0	-0.4
L40A	Anamosa	65.37	343	P	P	18 34 49.3	-1.3

L40A	Anamosa	65.37	343	eP	P	18 34 50.6	0.0
K42A	Prairie Point,	65.56	345	P	P	18 34 50.8	-1.1
M37A	Trindle Farm,	65.58	341	P	P	18	

Table with columns for ID, Name, Date, Time, Status, and other details. Includes entries like ISCO Idaho Springs, COWI Conover, SMCO Snowmass, etc.

Table with columns for ID, Name, Date, Time, Status, and other details. Includes entries like B35A Bob, Littlefor, MPMC Manual Prospec, JLU Jordanelle, etc.

Table with columns for ID, Name, Date, Time, Status, and other details. Includes entries like HLID Hailey, HLID Hailey, MCMT McKenzie Canyon, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Shimam, Keihoku, Okushiri-Mats, Hokuryu, Soyases, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like T8000, T8001, T8002, T8003, T8004, etc.

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

ROM 18:59:18.6,-0.6,44.73N,0.04:11.02E,0.02,h29km,2km, ML2.2/1, Northern Italy

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

DJA 18:19:17.47,-1.0,6.3S,-14.0E, h21km,6km, M4.4/6, mb4.5/1, MLV4.3/6, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GENI Genyem, GENI JAY, WAMI Wamena, etc.

DJA 18:19:17.47,-1.0,6.3S,-14.0E, h21km,6km, M4.4/6, mb4.5/1, MLV4.3/6, Near north coast of Irian Jaya

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

MAN 18:19:30:37.2, 14.04N:120.64E, h136km, mb4.2, ML3.0, MS2.7, 1C, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUBP Lubang, PGP Puerto Galera, SJMP San Jose, etc.

ISCJB 18:19:34:56.3, 0.5, 24.63S:0.09:177.4W:0.1, h100km, mb4.0/16, Error ellipse: s-maj=16.6km s-min=10.9km az=35.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AFI Afimalu, AFI Afimalu, URZ Urewera, etc.

ISCJB 18:19:34:56.3, 0.5, 24.63S:0.09:177.4W:0.1, h100km, mb4.0/16, Error ellipse: s-maj=16.6km s-min=10.9km az=35.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LAST Lasithi, LAST Lasithi, NPS Neapolis, etc.

Main table containing multiple columns of data including IDs, names, and numerical values. The table is organized into several vertical sections, each starting with a header row (e.g., 'ID1', 'ID2', 'ID3', etc.) and followed by rows of data. The data includes names of individuals and organizations, along with various numerical identifiers and values.

Table with columns: Call sign, Name, Frequency, Band, Mode, and other details. Includes stations like KSHS, DSI, Dead Sea, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, and other details. Includes stations like KECS, Kecevo, OBKA, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, and other details. Includes stations like FUORN, Offenpass-Fuorn, FETA, etc.

CLL	comp-Z,23nm,0.8s	iSP	pP	19 41 45.7 -4.2
CLL		ePPP	PPP	19 41 49.8
CLL		eSS	SSS	19 42 01.0
CLL		eSS	SSS	19 45 12.0 -5.9
CLL		eP	P	19 45 54.0
CLL	Colim	19 28 336	eP	19 41 41.4 -0.1
CLL	Colim	19 28 336	iP	19 41 41.8 +0.3
CLL	comp-Z,23nm,0.8s	pmax	pmax	
CLL	Colim	19 28 336	iP	19 41 41.8 +0.3
ECH	Echery	19 47 321	eP	19 41 43.4 -0.3
ECH	Echery	19 47 321	eP	19 41 43.4 -0.3
ECH	comp-Z,25nm,1.0s	pmax	pmax	
ECH	Echery	19 47 321	eP	19 41 43.4 -0.3
ECH	Echery	19 47 321	eP	19 41 43.4 -0.3
ECH	comp-Z,25nm,1.0s	pmax	pmax	
VORD	Divnogorie	19 61 27	eP	19 41 45.0 -0.1
VORD	Divnogorie	19 61 27	eP	19 41 45.0 -0.1
VORD	comp-Z,60nm,1.1s	pmax	pmax	
VORD	Divnogorie	19 61 27	eP	19 41 45.0 -0.1
VSR	Storozhevoje	19 77 26	eP	19 41 46.2 -0.6
VSR	Storozhevoje	19 77 26	eP	19 45 30.2 +2.4
VSR	comp-Z,10.0nm,0.6s	smax	smax	
VSR	Storozhevoje	19 77 26	eP	19 41 46.2 -0.6
VSR	Storozhevoje	19 77 26	eP	19 45 30.2 +2.4
SUW	Suwalki	19 86 356	eP	19 41 44.5 -3.3
SUW	Suwalki	19 86 356	eP	19 49 23.5
SUW	comp-N,10.0nm,1.2s	LMZ	LR	19 41 46.5 -1.3
SUW	Suwalki	19 86 356	eP	19 41 46.5 -1.3
SUW	Suwalki	19 86 356	eP	19 45 26.7 -2.8
SUW	Suwalki	19 86 356	eP	19 41 44.5 -3.3
SUW	comp-Z,500nm,28.2s	MLR	MLR	
SUW	Suwalki	19 86 356	eP	19 41 46.5 -1.3
SUW	Suwalki	19 86 356	eP	19 45 26.7 -2.8
SUW	Suwalki	19 86 356	eP	19 41 44.5 -3.3
SUW	comp-Z,176nm,1.0s	MLR	MLR	
GKP	Gorka Klasztor	19 90 346	eP	19 41 48.2 0.0
GKP	Gorka Klasztor	19 90 346	eP	19 51 01.4
GKP	comp-Z,300nm,20.1s	MLR	MLR	
GKP	Gorka Klasztor	19 90 346	eP	19 41 48.2 0.0
GKP	Gorka Klasztor	19 90 346	eP	19 41 48.2 0.0
GKP	comp-Z,300nm,20.1s	MLR	MLR	
RAYN	Ar Rayn	20 62 116	eP	19 41 59.8 +1.0
RAYN	Ar Rayn	20 62 116	eP	19 41 59.8 +1.0
RAYN	Ar Rayn	20 62 116	eP	19 41 59.8 +1.0
RAYN	Ar Rayn	20 62 116	eP	19 41 59.8 +1.0
TAM	Tamanrasset	20 72 242	eP	19 42 00.1 +0.1
TAM	Tamanrasset	20 72 242	eP	19 42 00.1 +0.1
TAM	comp-Z,51nm,1.8s	Pn	Pn	
TAM	Tamanrasset	20 72 242	eP	19 42 00.1 +0.1
NACGM	Naroch	20 72 2	eP	19 41 55.0 -2.1
NACGM	Naroch	20 72 2	eP	19 45 46.0 -0.7
VRH	Novokhoporsky	20 76 30	eP	19 41 57.7 +0.1
VRH	Novokhoporsky	20 76 30	eP	19 45 45.3 -2.3
VRH	comp-Z,70nm,0.6s	smax	smax	
VRH	Novokhoporsky	20 76 30	eP	19 41 57.7 +0.1
VRH	Novokhoporsky	20 76 30	eP	19 41 57.7 +0.1
WLF	Walferdange	20 91 323	uP	19 41 59.7 +0.4
WLF	Walferdange	20 91 323	eP	19 41 59.4 +0.1
WLF	Walferdange	20 91 323	eP	19 41 59.4 +0.1
WLF	Walferdange	20 91 323	eP	19 41 59.4 +0.1
WLF	comp-Z,39nm,0.9s	pmax	pmax	
WLF	Walferdange	20 91 323	eP	19 41 59.4 +0.1
IDID	Didziasali	21 13 2	eP	19 41 59.9 -1.7
IDID	Didziasali	21 13 2	eP	19 42 14.1
IDID	comp-Z,13nm,1.0s	IAMB	IAMB	
IDID	Didziasali	21 13 2	eP	19 41 59.8 -1.7
IIGN	Ignalina	21 16 1	eP	19 41 59.6 -2.2
IIGN	Ignalina	21 16 1	eP	19 42 15.4
IIGN	comp-Z,25nm,1.0s	IAMB	IAMB	
IIGN	Ignalina	21 16 1	eP	19 41 59.6 -2.2
ISAL	Salakas	21 37 1	eP	19 42 01.2 -2.9
ISAL	Salakas	21 37 1	eP	19 42 13.7
ISAL	comp-Z,19nm,1.0s	IAMB	IAMB	
ISAL	Salakas	21 37 1	eP	19 42 01.2 -2.9
ISAL	Salakas	21 37 1	eP	19 42 07.2 +0.5
BCLA	Clavier	21 82 324	iP	19 42 11.5 +2.5
BCLA	Clavier	21 82 324	iP	19 42 11.5 +2.5
DOU	Dourbes	21 96 323	iP	19 42 10.1 -0.5
DOU	Dourbes	21 96 323	iP	19 42 36.9 +1.4
DOU	comp-Z,30nm,1.1s	iPAP	sP	
DOU	Dourbes	21 96 323	iP	19 42 10.1 -0.5
DOU	Dourbes	21 96 323	iP	19 42 09.2 -3.0
OBN	Obninsk	22 34 17	eP	19 42 14.9 +0.4
OBN	Obninsk	22 34 17	eP	19 42 14.2 -0.3
OBN	comp-Z,40nm,0.7s	e	e	
OBN	Obninsk	22 34 17	eP	19 42 14.2 -0.3
OBN	Obninsk	22 34 17	eP	19 42 40.0
OBN	comp-Z,34nm,0.6s	pmax	pmax	
OBN	Obninsk	22 34 17	eP	19 42 14.9 +0.4
OBN	Obninsk	22 34 17	eP	19 42 14.9 +0.4
OBN	Obninsk	22 34 17	eP	19 42 14.9 +0.4
SNF	Seneffe	22 38 323	uP	19 42 15.1 +0.1
SNF	Seneffe	22 38 323	uP	19 42 15.1 +0.1
SNF	Seneffe	22 38 323	uP	19 42 15.1 +0.1
SNF	Seneffe	22 38 323	uP	19 42 15.1 +0.1
UCC	Uccle	22 52 324	eP	19 42 16.9 +0.4
UCC	Uccle	22 52 324	eP	19 42 16.9 +0.4
UCC	comp-Z,159nm,2.0s	pmax	pmax	
UCC	Uccle	22 52 324	eP	19 42 16.9 +0.4
MOS	Moscow	23 17 18	eP	19 42 27.3 +4.2
MOS	Moscow	23 17 18	eP	19 42 30.6 0.0
ES19	SONSECA Array	23 90 292	eP	19 42 30.5 0.0
ES19	SONSECA Array	23 90 292	eP	19 42 30.7 -0.2
ESDC	Sonsec Array	23 95 292	eP	19 42 31.2 +0.3
ESDC	Sonsec Array	23 95 292	eP	19 42 31.2 +0.3
ESLA	Sonsec Array	23 95 292	eP	19 42 31.2 +0.3
ESLA	Sonsec Array	23 95 292	eP	19 42 31.2 +0.3
PAB	San Pablo	24 24 291	eP	19 42 33.6 -0.1
PAB	San Pablo	24 24 291	eP	19 42 33.6 -0.1
PAB	comp-Z,25nm,1.3s	pmax	pmax	
PAB	San Pablo	24 24 291	eP	19 42 33.6 -0.1
PAB	San Pablo	24 24 291	eP	19 42 33.6 -0.1
VSU	Vasula	24 28 2	eP	19 42 31.9 -1.8
VSU	Vasula	24 28 2	eP	19 42 31.9 -1.8
VSU	comp-Z,25nm,1.3s	pmax	pmax	
VSU	Vasula	24 28 2	eP	19 42 31.9 -1.8
MUD	Mionsted Ugrund	24 84 338	iP	19 42 38.4 -0.4
MUD	Mionsted Ugrund	24 84 338	iP	19 42 40.1 +0.1
MDT	Midelt	24 93 275	eP	19 42 45.9 -1.4
PUL	Pulkovo	25 79 6	iP	19 42 52.0 +0.2
PBRG	Braganca	26 24 296	eP	19 42 52.0 +0.2
PBRG	Braganca	26 24 296	eP	19 42 53.7 +0.5
MVO	Moncorvo	26 39 295	eP	19 42 53.7 +0.5
MVO	Moncorvo	26 39 295	eP	19 42 53.7 +0.5
MVR	Marv??o	26 59 291	eP	19 42 55.0 +0.1
MVR	Marv??o	26 59 291	eP	19 42 55.0 +0.1
MVR	Marv??o	26 59 291	eP	19 42 55.0 +0.1
MVR	Marv??o	26 59 291	eP	19 42 55.0 +0.1
GEYT	Alibeck	26 72 72	eP	19 42 55.7 -0.5
GEYT	Alibeck	26 72 72	eP	19 42 55.7 -0.5
GEYT	comp-Z,4nm,0.7s,baz=292,slow=7.2,SNR=5.0	P	P	
GYA0B	ALIBECK ARRAY	26 72 72	eP	19 42 55.7 -0.5
GYA0B	ALIBECK ARRAY	26 72 72	eP	19 42 55.7 -0.5
PESTR	Estremoz	26 73 290	eP	19 42 56.9 +0.7
PESTR	Estremoz	26 73 290	eP	19 42 56.9 +0.7
PESTR	Estremoz	26 73 290	eP	19 42 56.9 +0.7
PESTR	Estremoz	26 73 290	eP	19 42 56.9 +0.7

PESTR	Estremoz	26 73 290	eP	19 42 56.0 -0.2
PESTR	Estremoz	26 73 290	eP	19 42 57.7 +0.2
PESTR	Estremoz	26 73 290	eP	19 42 57.7 +0.2
PESTR	Estremoz	26 73 290	eP	19 43 03.0 +4.7
PESTR	Estremoz	26 73 290	eP	19 42 54.7 -3.9
PESTR	Estremoz	26 73 290	eP	19 42 59.4 +0.6
PESTR	Estremoz	26 73 290	eP	19 42 59.4 +0.6
PESTR	Estremoz	26 73 290	eP	19 42 56.9 -1.7
PESTR	Estremoz	26 73 290	eP	19 55 43.3
PESTR	Estremoz	26 73 290	eP	19 42 59.5 +0.3
PESTR	Estremoz	26 73 290	eP	19 42 59.5 +0.3
PESTR	Estremoz	26 73 290	eP	19 42 58.0 -1.2
PESTR	Estremoz	26 73 290	eP	19 43 01.0 +1.3
PESTR	Estremoz	26 73 290	eP	19 43 01.0 +1.3
PESTR	Estremoz	26 73 290	eP	19 43 00.8 +0.5
PESTR	Estremoz	26 73 290	eP	19 43 02.7 +2.1
PESTR	Estremoz	26 73 290	eP	19 43 02.7 +2.1
PESTR	Estremoz	26 73 290	eP	19 43 00.5 -0.3
PESTR	Estremoz	26 73 290	eP	19 43 02.8
PESTR	Estremoz	26 73 290	eP	19 43 00.6 -0.3
PESTR	Estremoz	26 73 290	eP	19 43 00.5 -0.3
PESTR	Estremoz	26 73 290	eP	19 43 00.6 -0.3
PESTR	Estremoz	26 73 290	eP	19 42 59.3 -1.3
PESTR	Estremoz	26 73 290	eP	19 54 45.2
PESTR	Estremoz	26 73 290	eP	19 42 59.1 -1.6
PESTR	Estremoz	26 73 290	eP	19 43 01.6 -1.0
PESTR	Estremoz	26 73 290	eP	19 43 01.4 -1.1
PESTR	Estremoz	26 73 290	eP	19 52 32.9
PESTR	Estremoz	26 73 290	eP	19 43 09.3 +1.6
PESTR	Estremoz	26 73 290	eP	19 43 09.3 +1.6
PESTR	Estremoz	26 73 290	eP	19 43 06.5 -0.9
PESTR	Estremoz	26 73 290	eP	19 43 07.0 -2.2
PESTR	Estremoz	26 73 290	eP	19 43 07.0 -2.2
PESTR	Estremoz	26 73 290	eP	19 43 15.8
PESTR	Estremoz	26 73 290	eP	19 43 08.6 -0.8
PESTR	Estremoz	26 73 290	eP	19 43 08.6 -1.5
PESTR	Estremoz	26 73 290	eP	19 43 12.3 +1.6
PESTR	Estremoz	26 73 290	eP	19 43 11.9 +1.2
PESTR	Estremoz	26 73 290	eP	19 43 09.5 -0.8
PESTR	Estremoz	26 73 290	eP	19 43 12.0 +1.3
PESTR	Estremoz	26 73 290	eP	19 43 12.0 +1.3
PESTR	Estremoz	26 73 290	eP	19 43 09.2 -1.2
PESTR	Estremoz	26 73 290	eP	19 43 10.8 -0.3
PESTR	Estremoz	26 73 290	eP	19 43 10.7 -0.9
PESTR	Estremoz	26 73 290	eP	19 43 12.4 -0.8
PESTR	Estremoz	26 73 290	eP	19 43 15.2 +0.4
PESTR	Estremoz	26 73 290	eP	19 58 29.5
PESTR	Estremoz	26 73 290	eP	19 43 15.0 +0.2
PESTR	Estremoz	26 73 290	eP	19 43 14.8 -0.4
PESTR	Estremoz	26 73 290	eP	19 43 22.4 +0.7
PESTR	Estremoz	26 73 290	eP	19 43 22.4 +0.7
PESTR	Estremoz	26 73 290	eP	19 43 22.6 +0.9
PESTR	Estremoz	26 73 290	eP	19 43 22.6 +0.9
PESTR	Estremoz	26 73 290	eP	19 43 25.6 +0.4
PESTR	Estremoz	26 73 290	eP	19 43 25.8 +0.6
PESTR	Estremoz	26 73 290	eP	19 58 26.6
PESTR	Estremoz	26 73 290	eP	19 43 26.9 -1.4
PESTR	Estremoz	26 73 290	eP	19 43 35.1 -2.4
PESTR	Estremoz	26 73 290	eP	19 48 24.2 -2.3
PESTR	Estremoz	26 73 290	eP	19 43 40.4 -0.2
PESTR	Estremoz	26 73 290	eP	19 43 40.4 -0.2
PESTR	Estremoz	26 73 290	eP	19 43 40.7 0.0
PESTR	Estremoz	26 73 290	eP	19 44 44.5
PESTR	Estremoz	26 73 290	eP	19 46 27.4
PESTR	Estremoz	26 73 290	eP	19 44 46.5 -2.0
PESTR	Estremoz	26 73 290	eP	19 50 35.2 -1.7
PESTR	Estremoz	26 73 290	eP	19 43 50.2 -1.2
PESTR	Estremoz	26 73 290	eP	19 43 50.2 -1.2
PESTR	Estremoz	26 73 290	eP	19 43 51.9 +0.8
PESTR	Estremoz	26 73 290	eP	19 49 05.5 -1.6
PESTR	Estremoz	26 73 290	eP	19 43 56.2 -1.5
PESTR	Estremoz	26 73 290	eP	19 44 10.7 -1.3
PESTR	Estremoz	26 73 290	eP	19 44 19.6 +1.5
PESTR	Estremoz	26 73 290	eP	19 44 19.1 +1.0
PESTR	Estremoz	26 73 290	eP	19 44 19.6 +1.5
PESTR	Estremoz	26 73 290	eP	19 44 26.5 +1.5
PESTR	Estremoz	26 73 290	eP	19 44 26.5 +1.5
PESTR	Estremoz	26 73 290	eP	19 44 25.2 -0.3
PESTR	Estremoz			

18d 21h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like R40A Maddies Statio, R40A Maddies Statio, R42A Van Buren, etc.

MAN 18 19:55:03.3, 137.00N:120.68E, h157km, mb4.2, ML3.0, MS2.7, 1C, Mindoro

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

MEX 18 19:59:11.4:0.7, 17.30N:100.67W, h17km, 171km, MD3.9, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like CAIG El Cayaco, ZIIG Zihuatajejo, etc.

KRSC 18 20:09:47.9:1.3, 50.97N:158.14E, h46km, 17km, ML3.7, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like KDTR Khodutka, PAU Pauzhetka, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like KRX Mys Shipunski, SPN Mys Shipunski, etc.

NIED 18 20:38:00, 37.00N:141.40E, h5km, Mw3.9 Best double couple: Mb8.87000x10^14 NP1.9x25.00000, d39.00000, 7.8.8.00000, NP2.9x203.00000, d51.00000, 7.9.2.00000

ISCJB 18 20:38:02.5:1.0, 36.94N:0.04:141.43E:0.06, h19km, 6km, mb3.9/17, MS3.0/6, Error ellipse: s-maj=7.6km s-min=2.0km az=13.5

JMA 18 20:38:21.5:0.1, 36.95N:141.35E, h27km, 1km, M4.2 JMA Feil J1

IDC 18 20:38:27.9:2.3, 36.91N:140.96E, h57km, 21km, mb3.7/17, mb1 3.8/20, mb1mx3.7/68, mbtmp4.0/20, ML3.5/2, MS3.0/11, Ms1 3.0/11, ms1mx2.7/66, Error ellipse: s-maj=17.2km s-min=12.1km az=78.0

ISC 18 20:38:22.1:1.6, 36.96N:0.04:141.31E:0.05, h14km, 9km, e4.8, c1916/43, mb4.0/17, MS3.0/6, Near east coast of northern Honshu

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

s-min=140.4km az=77.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like AFI Afiamalu, STKA Stephens Creek, etc.

ISCJB 18 21:26:35.3:1.2, 56.9N:0.2:33.9W:0.3, h13km, mb3.8/10, MS3.2/18, Error ellipse: s-maj=29.3km s-min=17.8km az=23.2

IDC 18 21:26:35.0:1.5, 56.87N:33.95W, h0km, mb3.8/9, mb1 3.9/9, mb1mx3.5/66, mbtmp3.8/9, MS3.2/22, Ms1 3.2/22, ms1mx3.1/62, Error ellipse: s-maj=37.3km s-min=24.9km az=29.0

CSEEM 18 21:26:36.4:0.9, 56.86N:33.98W, h10km, mb4.2/1 NEIC 18 21:26:36.4:0.9, 56.86N:33.98W, h10km, mb4.2/1, Error ellipse: s-maj=24.6km s-min=14.8km az=202.0

ISC 18 21:26:37.0:1.3, 56.9N:0.2:33.9W:0.2, h13km, n39, c0568/12, mb3.7/10, MS3.2/18, Reykjanes Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like SFJD Kangerlussuaq, JMJC Jan Mayen, etc.

NNC 18 21:34:44.9:2.7, 37.25N:70.76E, h18km, 12km, mb3.9, mp3.6, 4C-7D, Error ellipse: s-maj=21.4km s-min=12.8km az=88.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like SFK Stufi-Kurgan, SFL Almayas, etc.

SJA 18 21:00:59.4:0.5, 31.19S:68.71W, h108km, 2km, ML2.5, MW3.7, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like RTLL Cerro Villacun, AROC Mogna, etc.

IDC 18 21:11:25.7:50.0, 17.00S:179.35W, h0km, mb4.4/3, mb1 4.6/3, mb1mx3.8/49, mbtmp4.4/3, MS2.6/1, Ms1 2.6/1, ms1mx2.3/42, Error ellipse: s-maj=913.3km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries like GERES GERESS Array B, MLR Muntele Rosu, PDAR Pinedale Array, etc.

NEIC 18 21:42:56.61-0.10, 10.37Sx112.53E, h10km, mb4.0/1, Error ellipse: s-maj=41.2km s-min=10.5km az=51.0

ISCJCB 18 21:42:59.2-0.5, 10.31Sx112.56E, h10km, mb3.4/2, Error ellipse: s-maj=70.8km s-min=16.9km az=51.0

Main table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JAGI Jagaj, PCJI Pacitan, BLJI Banyuglugur, etc.

ISCJCB 18 22:06:56.7-0.3, 26.34Sx0.02:69.18W, h0.6, h85km, 3km, mb4.5/1, Error ellipse: s-maj=9.4km s-min=3.9km az=4.0

NEIC 18 22:06:57.5-0.2, 26.34Sx69.80W, h76km, 4km, mb4.6/3, ML4.8(GUC), Error ellipse: s-maj=8.1km s-min=4.7km az=8.0

NEIC Felt at Copiapo, Los Loros and Tierra Amarilla, [IV] at Diego de Almagro and [III] at Talta.

GCMT 18 22:06:57.5-0.4, 26.62Sx70.17W, h109km, 5km, Mw4.9/6.5, Moment Tensor Solution. s18, c20; s65, c88; Duration: 0

ISC 18 22:06:58.6-0.4, 26.29Sx69.80W, h88km, 3km, mb4.1/18, mb1.4/2/1, mb1mx4.0/4.3, mbmp4.4/2.1, MS3.4/14, Ms1.3/4/14, ms1mx3.2/3.2 Error ellipse: s-maj=17.0km s-min=11.0km az=68.0

Table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CPCH Copiapo, GO02 Mina Guanaco, GO03 Copiap, etc.

Table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GO04 Tololo Observa, PB04 IPOC Station P, PB01 IPOC Station P, etc.

Table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warrunganga Arr, WRA Warrunganga Arr, WRAB Tennant Creek, etc.

ISCJCB 18 22:27:40.9-0.5, 14.23Nx0.04x120.20E, h120km, mb3.7/7, Error ellipse: s-maj=11.5km s-min=5.9km

ISC 18 22:27:40.2-0.5, 13.93N, 120.25E, h126km, 30km, mb3.3/7, mb1.3/4/7, mb1mx3.1/6.4, mbmp3.7/7, Error ellipse: s-maj=108.1km s-min=14.4km az=66.0

ISC 18 22:27:41.1-0.8, 14.19N, 120.41E, h128km, mb4.0, ML2.8, MS2.4

ISC 18 22:27:41.1-0.8, 14.19N, 120.41E, h128km, mb4.0, n20, s177/22, mb3.8/7, 2C, Luzon

Table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warrunganga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

Table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PAHR Pah Rah Range, PAHR Halley, BOSA Boshof, etc.

IDC 18 22:10:53.4-1.6, 3.88S, 142.68E, h0km, mb3.8/4, mb1.4/2/5, mb1mx3.7/4.4, mbmp4.0/5, ML4.5/1, Error ellipse: s-maj=74.5km s-min=24.0km az=114.0, Near north coast of New Guinea

Table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warrunganga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

ISCJCB 18 22:27:40.9-0.5, 14.23N, 120.20E, h120km, mb3.7/7, Error ellipse: s-maj=11.5km s-min=5.9km

ISC 18 22:27:40.2-0.5, 13.93N, 120.25E, h126km, 30km, mb3.3/7, mb1.3/4/7, mb1mx3.1/6.4, mbmp3.7/7, Error ellipse: s-maj=108.1km s-min=14.4km az=66.0

ISC 18 22:27:41.1-0.8, 14.19N, 120.41E, h128km, mb4.0, ML2.8, MS2.4

ISC 18 22:27:41.1-0.8, 14.19N, 120.41E, h128km, mb4.0, n20, s177/22, mb3.8/7, 2C, Luzon

Table listing seismic stations with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LUBP Lubang, TGY Tagaytay City, TGY Tagaytay City, etc.

19d 1h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Marumori, Shioha, Yanaizu, Matusushiro, etc.

ISC 18 23:55:44.7.1.7.51.63N:0.07.16.03E:0.05, h0km, n19, -0.79/41, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KSP, UPICE, DPC, PVCC, BRG, KRLC, PRA, GOPC, PRU, CLL, MORC, OKC, VRAC, KRLC, NKC, KHC, CONA, MOA, ARSA, ARO, etc.

ARO 18 23:58:16.4, 16°N, 30°42'E, 10.0, h15km, 99km, M3.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAOD, OBO, BDHA, TDD, LTD, ATD, SGH, ATA, GBR, etc.

ISC/JB 19 00:24:58.6.0.5, 38°07'N, 0°03.42'E, 10.0, h3km, 5km, Error ellipse: s-maj=4.3km s-min=3.9km az=168.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GEVA, SIRT, SIRM, SIRR, SIRS, GURO, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BTMN, SVAN, SVAN, YOVA, YOVA, YOVA, etc.

IDC 19 00:29:21.4:2.0, 2.78N:126.95E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/5, mbmtpp3.4/4, Error ellipse: s-maj=171.9km s-min=24.2km az=67.0, Northern Moluca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, KURBS, etc.

RSNC 19 00:44:48.2.0.9, 6.81N-73°15'W, h146km, 4km, ML3.5, Mw3.8, 2C-2D, Northern Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BARC, ASAR, MKAR, KURBS, etc.

NIED 19 00:44:00.39:60N:143:50E, h23km, Mw3.8 Best double couple: M5.120000/1014 NP1.2e205.00000, S31.00000, 1.85.00000, NP2.2e32.00000, S59.00000, L93.00000

JMA 19 00:44:59.2.0.2, 39.59N:143.54E, h27km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MIYJ, JTH, OFJU, JANG, JOM, JMK, etc.

NNC 19 00:53:57.7-8.7, 37.98N:71.75E, h0km, mb3.7, mpv3.3, 5C-3D, Error ellipse: s-maj=66.9km s-min=51.5km az=167.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SFK, MNAS, MNAS, AAK, AAK, KK31, etc.

IDC 19 01:05:39.2.8.2, 36°26'N, 70°82'E, h183km, 25km, mb3.5/9, mb1 3.5/15, mb1mx3.2/64, mbmp4.0/15, Error ellipse: s-maj=20.7km s-min=16.2km az=20.0

916 Error ellipse: s-maj=20.5km s-min=14.8km az=166.0

ISC 19 01:05:42.0.0.6, 36°52'N, 0°06.70'E, h200km, n36, -1.85/45, mb3.6/10, 7C-7D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SFK, MNAS, MNAS, KK31, AAK, AAK, AAK, etc.

ISC/JB 19 01:17:58.1.0.6, 60°42'S, 0°10.51'W, 0.3, h10km, mb4.7/11, MS3.3/7, Error ellipse: s-maj=20.7km s-min=11.3km az=149.5

NEIC 19 01:17:58.8.0.5, 60°43'S, 51°35'W, h10km, mb4.5/6, Error ellipse: s-maj=20.8km s-min=14.7km az=61.0

IDC 19 01:17:58.0.1.0, 60°35'S, 51°24'W, h0km, mb4.2/7, mb1 4.3/7, mb1mx4.0/30, mbmtpp4.2/7, MS3.4/7, M51 3.4/7, ms1mx3.2/29, Error ellipse: s-maj=40.9km s-min=22.0km az=75.0

ISC 19 01:17:59.4.0.7, 60.43S:0°15.1'W:0.2, h10km, n34, -1.85/20, mb4.4/10, MS3.4/7, Scotia Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VNA3, VNA1, SNA1, SNA1, SNA1, SNA1, SNA1, etc.

Table with columns: STA, Name, Az, El, AzE, ElE, Phase, ID, Time, Res. Includes stations like WRA, TXAR, SCHO, etc.

Table with columns: STA, Name, Az, El, AzE, ElE, Phase, ID, Time, Res. Includes stations like GA, NVS, ZALV, etc.

Table with columns: Code, Station Name, Az, El, AzE, ElE, Phase, ID, Time, Res. Includes stations like ANKY, MEX, ACP2, etc.

ATH 19:05:15:58.9,34:58N:24:01E, h14km,5km,ML3.6/4, Error ellipse: s-maj=5.7km s-min=2.3km az=34.0

IDC 19:05:34:10.8,7:49:00N:155:59E, h0km,mb3.5/3, mb1.3/7.4, mb1mx3.3/7.4, mbtmp3.4/4, Error ellipse: s-maj=183.4km s-min=48.8km az=90.0

Table with columns: Code, Station Name, Az, El, AzE, ElE, Phase, ID, Time, Res. Includes stations like GVD, SIVA, etc.

Table with columns: Code, Station Name, Az, El, AzE, ElE, Phase, ID, Time, Res. Includes stations like SKR, PAU, etc.

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19d 6h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SLDL Sedlovina, KRX Arik, SPN Mys Shipunski, etc.

IDC 19 05:37:35.3-8.6, 16.34S-171.71W, h0km, mb3.9/3, mb1 4.3/3, mb1mx3.6/4, mbtmp3.9/3, MS3.4/1, Ms1 3.4/1, ms1mx2.5/4.8, Error ellipse: s-maj=377.4km s-min=35.7km az=139.0, Samoa Islands region

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

WEL 19 06:03:33.4, 45°S, 2°16'8"E, h78km, 2km, ML3.6/12, South Island

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DCZ Deep Cove, MSZ Milford Sound, MLZ Mavora Lakes, etc.

IDC 19 06:10:50.9-2.6, 39.87N-140.04E, h0km, mb4.0/6, mb1 3.9/7, mb1mx3.6/4, mbtmp3.9/7, ML3.0/1, Error ellipse: s-maj=64.5km s-min=33.5km az=100.0, ISCJB 19 06:11:02.2-0.2, 39.02N-140.07E, h150km, 4km, mb3.8/6, Error ellipse: s-maj=11.8km s-min=8.6km az=38.5, JMA 19 06:11:03.4-0.1, 38.99N-140.10E, h146km, 1km, M3.1, ISC 19 06:11:03.0-0.9, 38.96N-140.07-140.09E-0.07, h150km, 6km, n27, 0°584/29, mb3.9/6, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JYJ Yamagatayuzo, JYK Kanegayama, JYK Atsumi, etc.

IDC 19 06:11:39.8-1.2, 5.78S-148.79E, h140km, 10km, mb4.0/22, mb1 4.1/26, mb1mx4.0/50, mbtmp4.4/26, MS3.3/1, Ms1 3.3/1, ms1mx2.5/35, Error ellipse: s-maj=15.1km s-min=7.1km az=101.0, ISCJB 19 06:11:40.5-0.3, 5.79S-148.79E, h145km, 6km, mb4.9/15, Error ellipse: s-maj=8.0km s-min=5.1km az=102.0, BUJ 19 06:11:40.0, 5.78S-148.37E, h178km, mb4.7/20, mb4.8/11, ISC 19 06:11:40.9-0.4, 5.71S-148.62E, h163km, n68, 0°269/77, mb4.5/39, 1D, New Britain region

NEIC 19 06:11:40.1-0.6, 5.78S-148.70E, h145km, 6km, mb4.9/15, Error ellipse: s-maj=8.0km s-min=5.1km az=102.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

GERES GERESS Array B 122.57 326 PKP PKPdf 06 30 18.3 +0.9, 0.5mm, 0.5kbaz=77, slow=2.1, SNR=3.0, EKA EK5 Lemaur Arr 125.60 341 PKP PKPdf 06 30 22.8 0.0, 0.7mm, 0.5s, baz=36, slow=2.6, SNR=3.0, LPAZ La Paz 137.58 122 PKP PKPdf 06 30 48.4 +1.1, TORO Torodi Arr 146.57 285 PKPb PKPb 06 31 04.5 +0.2, PTGA Pitinga 150.75 102 PKPb PKPb 06 31 16.9 +1.8

ISCJB 19 06:13:07.5-0.9, 31.34S-103.69-43W, h112km, 9km, Error ellipse: s-maj=7.4km s-min=4.6km az=178.9, GUC 19 06:13:07.4-0.7, 31.35S-69.78W, h134km, 15km, ML2.8, SJA 19 06:13:07.5-0.6, 31.35S-69.42W, h104km, 4km, ML2.8, MW3.7, ISC 19 06:13:08.1-8.1, 31.35S-69.45W-0.06, h110km, 15km, n17, 0°50/29, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RTL Leontico, RTLL Cerro Villucun, AUSP Uspallata, etc.

IDC 19 06:13:35.3-1.9, 33.62N-141.84E, h0km, mb3.6/3, mb1 3.7/5, mb1mx3.6/4, mbtmp3.6/5, ML3.5/2, MS2.5/1, Ms1 2.5/1, ms1mx2.1/5.2, Error ellipse: s-maj=35.9km s-min=24.0km az=67.0, ISCJB 19 06:13:38.0-1.0, 33.63N-141.85E, h41km, mb3.7/3, Error ellipse: s-maj=11.3km s-min=9.1km az=6.0, JMA 19 06:13:40.9-0.4, 33.75N-141.52E, h34km, M3.1, ISC 19 06:13:40.4-1.5, 33.64N-141.8E, h141km, n16, 0°19/14, mb3.7/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BSO1 Boso 1, BSO3 Boso 3, JHJ Hachiojima 2, etc.

NIED 19 06:21:00.39:60N, 143:60E, h23km, Mw3.9, Best double couple: M=9.4000e-1014, N1=201.00000, 3.33.00000, 1.85.00000, NP2=27.00000, 857.00000, 1.93.00000, ISCJB 19 06:21:39.7-0.6, 39.59N-143.62E, h111km, mb3.9/12, Error ellipse: s-maj=7.3km s-min=5.1km az=32.8, IDC 19 06:21:39.6:1.2, 39.57N-143.59E, h0km, mb4.0/11, mb1 4.0/14, mb1mx3.8/67, mbtmp4.0/14, ML3.4/2, MS3.2/3, Ms1 3.2/3, ms1mx2.5/63, Error ellipse: s-maj=27.1km s-min=20.3km az=101.0, JMA 19 06:21:41.0-1.0, 39.58N-143.64E, h19km, M4.1, ISC 19 06:21:41.5-1.0, 39.58N-143.52E-0.08, h111km, n33, 0°577/34, mb4.0/12, Off east coast of Honshu

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

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC, H, S, ISC. Includes stations like H11N1 WAKE ISLAND Hy 28.22 128 T, H1N1 WAKE ISLAND Hy 28.22 128 T, H1N2 WAKE ISLAND Hy 28.16 128 T, etc.

NIED 19 06:23:00, 39°60'N, 143°60'E, h23km, Mw3.8 Best double couple: M5=40000±1014, N1=192,00000±532,00000, ...

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC, H, S, ISC. Includes stations like MIYV Miyakonagasawa 1.31 271 P, JTH Tanohata 1.38 286 P, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC, H, S, ISC. Includes stations like H1N1 WAKE ISLAND Hy 28.16 128 T, H1N2 WAKE ISLAND Hy 28.16 128 T, etc.

TRN 19 06:27:35.4, 18°97'N, 65°18'W, h162km, MD4.5 NEIC 19 06:27:39.0, 0.0, 18°46'N, 65°34'W, h114km, mb4.1/2, MD4.0(RSPR), After RSPR.

NEIC Felt [I] at Naguabo and Guaynabo. Also felt at Aibonito, Barranquitas, Bayamon, Caguas, Canovanas, Carolina, Ceiba, Comerio, Corozal, Culebra, Fajardo, Naranjito, San Juan, Toa Alta and Utuado. Felt on Saint Thomas, Virgin Islands.

ISC 19 06:27:39.8, 0.0, 18°33'N, 65°37'W, h107km, gkm, mb3.6/11, mb1 3.8/12, mb1mx3.5/56, mbtmp3.9/12, Error ellipse: s-maj=19.5km s-min=15.5km az=71.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC, H, S, ISC. Includes stations like CUPR Culebra, Puerto 0.12 122[e] P, MTP Monte Pirata 0.31 209[e] P, etc.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC, H, S, ISC. Includes stations like AOPR Arecibo Observ 1.29 269[e] P, AOPR Arecibo Observ 1.29 269[e] P, AOPR Arecibo Observ 1.29 269[e] P, etc.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res, ISC, H, S, ISC. Includes stations like Y54A Tignall 21.84 318 P, KMCS Kings Mountain 21.89 323 P, Z53A Monticelli 22.04 316 P, etc.

19d 7h

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KONO, YULB, TWG, RETA, MUD, etc.

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

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DAG, Danmarks Havn, DAG DSB, etc.

PTOM	Tomar	60.53 299	eP	P	07 46 35.9 +1.0
PTOM	comp-Z,259nm,1.5s				
PTMTG	Montargil	60.63 299	eP	pP	07 47 00.3 +0.6
PTMTG	comp-Z,98nm,1.6s				07 47 11.3 +0.5
PMTG	Evora	60.72 298	eP	pP	07 47 00.5 0.0
PMTG	comp-Z,178nm,1.6s				07 46 37.0 +0.7
EVO	Midelt	60.81 291	eP	pP	07 47 01.1 0.0
EVO	comp-Z,5.8nm,0.4s,baz=89,slow=11,SNR=21				07 47 11.8 -0.4
MDT	Beja	60.84 297	eP	pP	07 46 38.7 +1.6
PBEJ	Beja	60.84 297	eP	pP	07 47 02.5 +0.6
PBEJ	comp-Z,196nm,1.6s				07 47 13.7 +0.7
ALMR	Almeirim	60.84 299	eP	sP	07 46 37.8 +0.7
ALMR	comp-Z,164nm,1.2s				07 46 39.4
ALMR	Almeirim	60.84 299	eP	pP	07 46 37.7 +0.6
ALMR	comp-Z,167nm,1.5s				07 47 01.8 -0.1
ALMR	Almeirim	60.84 299	eP	pP	07 47 13.2 +0.2
ALMR	comp-Z,167nm,1.5s				07 46 37.0 +0.7
PVAQ	Vaqueiros	61.01 297	eP	pP	07 46 38.8 +0.6
PVAQ	comp-Z,291nm,1.5s				07 47 03.0 -0.1
PVAV	Castro Verde	61.13 297	eP	pP	07 47 14.0 -0.2
PVAV	comp-Z,155nm,1.6s				07 46 40.1 +1.0
PCVE	Messejana	61.17 297	eP	pP	07 47 03.6 -0.3
PCVE	comp-Z,158nm,1.2s				07 47 14.9 -0.1
MESJ	Messejana	61.17 297	eP	sP	07 46 40.0 +0.7
MESJ	comp-Z,158nm,1.2s				07 46 40.1 +0.7
MESJ	Messejana	61.17 297	eP	sP	07 54 51.9 +0.8
MESJ	comp-Z,159nm,1.4s				07 46 40.1 +0.7
MESJ	Messejana	61.17 297	eP	pP	07 47 04.5 +0.3
MESJ	comp-Z,159nm,1.4s				07 46 40.0 +0.7
PBDV	Barranco-do-Ve	61.23 297	eP	sP	07 54 51.8 +0.8
PBDV	comp-Z,289nm,1.4s				07 46 40.7 +0.9
PMAFR	Mafra	61.42 299	eP	pP	07 47 04.6 0.0
PMAFR	comp-Z,275nm,1.5s				07 47 15.8 +0.1
PMAFR	Lisbon	61.44 299	eP	pP	07 47 05.8 -0.1
PMAFR	comp-Z,171nm,1.6s				07 47 17.1 +0.1
LIS	Lisbon	61.44 299	eP	pP	07 46 41.8 +0.7
LIS	comp-Z,171nm,1.6s				07 46 43.7
PMST	Lisbon Monsan	61.45 299	eP	pP	07 46 41.8 +0.7
PMST	comp-Z,280nm,1.4s				07 46 43.7
PMST	Morsan	61.45 299	eP	pP	07 47 06.4 +0.3
PMST	comp-Z,280nm,1.4s				07 47 17.1 -0.1
PTEO	Sao Teotónio	61.66 297	eP	pP	07 46 43.4 +0.8
PTEO	comp-Z,281nm,1.5s				07 47 08.1 +0.6
MORF	Marmelete	61.71 297	eP	pP	07 47 18.7 +0.1
MORF	comp-Z,105nm,1.5s				07 46 43.9 +0.8
MORF	Marmelete	61.71 297	eP	sP	07 46 46.4
MORF	comp-Z,105nm,1.5s				07 54 58.9 +0.9
MORF	Marmelete	61.71 297	eP	sP	07 46 43.9 +0.8
MORF	comp-Z,105nm,1.5s				07 54 58.9 +0.9
PVFI	Vila Bisbo	61.92 297	eP	pP	07 46 45.1 +0.7
PVFI	comp-Z,332nm,1.7s				07 47 09.4 +0.1
PVFI	Vila Bisbo	61.92 297	eP	pP	07 47 20.1 -0.2
PVFI	comp-Z,332nm,1.7s				07 46 45.4 +1.0
TNTI	Ternate	62.98 111	eP	P	07 46 52.5 +0.8
TNTI	comp-Z,34nm,0.8s				07 46 54.4 +0.6
KULLO	Kullorsuaq	63.43 346	iP	P	07 46 56.4 -0.5
KULLO	comp-Z,55nm,0.7s				07 47 10.3 +1.0
ANGG	Ammassalik, Gr	63.89 334	eP	P	07 47 10.3 +1.0
ANGG	comp-Z,132nm,0.7s				07 47 10.1 +0.8
ILULI	Ilulissat	65.81 341	iP	P	07 47 10.3 +1.0
ILULI	comp-Z,149nm,0.6s				07 47 10.1 +0.8
ILULI	Ilulissat	65.81 341	iP	P	07 47 10.3 +1.0
ILULI	comp-Z,144nm,0.7s				07 47 10.3 +1.0
TORD	Torodi Ar. Bea	66.03 269	P	P	07 47 10.0 -1.6
TORD	comp-Z,10nm,0.4s,baz=62,slow=6.3				08 18 36.0
TORD	Torodi Ar. Bea	66.03 269	P	LR	08 18 36.0
TORD	comp-Z,120nm,20.5s,baz=355,slow=38				07 47 12.0 -0.5
LSZ	Lusaka	66.17 226	eP	P	07 47 12.0 -0.5
LSZ	comp-Z,38nm,1.0s				07 47 12.5 0.0
LSZ	Lusaka	66.17 226	eP	P	07 47 12.0 -0.5
LSZ	comp-Z,38nm,1.0s				07 47 12.0 -0.5
SFJD	Kangerlussuaq	67.19 339	P	P	07 47 18.3 +0.2
SFJD	comp-Z,42nm,0.8s,baz=48,slow=7.9,SNR=14				08 16 52.8
SFJD	Kangerlussuaq	67.19 339	P	LR	08 16 52.8
SFJD	comp-Z,51nm,0.9s				07 47 18.7 +0.6
SFJD	Kangerlussuaq	67.19 339	iP	pP	07 47 45.8 +0.5
SFJD	comp-Z,51nm,0.9s				07 47 18.5 +0.4
RES	Resolute Bay	68.00 356	eP	P	07 47 24.1 +1.1
RES	comp-Z,22nm,1.1s				07 47 23.1 -1.4
SMY	Shemya	68.21 40	eP	pP	07 47 23.4 -1.4
SMY	comp-Z,87nm,0.9s				07 47 23.4 -1.4
SMY	Shemya	68.21 40	eP	pP	07 47 23.4 -1.4
SMY	comp-Z,87nm,0.9s				07 47 29.2 0.0
GUMO	Guam	68.83 89	P	P	07 47 29.2 0.0
GUMO	comp-Z,19nm,0.6s,baz=180,slow=11,SNR=2.4				08 20 08.7
GUMO	Guam	68.83 89	P	LR	08 20 08.7
GUMO	comp-Z,170nm,21.0s,baz=305,slow=38				07 47 32.6 +0.8
NWS	Narsarsuaq	69.36 332	iP	P	07 47 32.6 +0.8
NWS	comp-Z,88nm,0.6s				07 47 35.5 +0.1
KOWA	Kowa	69.82 273	P	P	07 47 35.5 +0.1
KOWA	comp-Z,23nm,0.5s,baz=61,slow=5.3,SNR=61				08 22 58.1
KOWA	Kowa	69.82 273	eP	LR	08 22 58.1
KOWA	comp-Z,281nm,18.2s,baz=60,slow=40				07 47 34.9 -0.5
PMOZ	Porto Montez, M	70.01 296	eP	P	07 47 36.8 +0.4
PMOZ	comp-Z,225nm,1.1s				07 48 02.1 +0.3
PMOZ	Porto Montez, M	70.01 296	eP	pP	07 47 37.5 +1.0
PMOZ	comp-Z,225nm,1.1s				07 47 36.9 -0.8
IVI	Wigtul	70.33 333	eP	P	07 47 36.9 -0.8
IVI	comp-Z,30nm,0.6s				07 47 43.2 +0.5
CBTN	Chibotane	71.07 218	eS	IAML	07 47 44.0
CBTN	comp-Z,121nm,0.5s				07 47 55.2 +0.8
INK	Inuvik	73.14 9	eP	P	07 47 55.2 +0.8
INK	comp-Z,147nm,0.6s				07 48 19.5 -0.5
INK	Inuvik	73.14 9	eP	pP	07 48 19.5 -0.5
INK	comp-Z,147nm,0.6s				07 47 57.3 -0.4
COLA	College	73.70 16	eP	P	07 47 57.3 -0.4
COLA	comp-Z,337nm,0.9s				07 47 57.3 -0.4
COLA	College	73.70 16	eP	pP	07 47 57.3 -0.4
COLA	comp-Z,337nm,0.9s				07 47 58.2 -0.8
MBWA	Marble Bar	73.81 133	eP	P	07 47 58.2 -0.8
MBWA	comp-Z,30nm,0.8s				07 47 59.5 -0.1
ILAR	Eielson Array	74.00 16	eP	P	07 47 59.5 -0.1
ILAR	comp-Z,80nm,0.9s,baz=327,slow=4.2,SNR=438				07 50 48.5 +3.2
ILAR	Eielson Array	74.00 16	eP	PP	07 50 48.5 +3.2
ILAR	comp-Z,7.8nm,0.7s,baz=318,slow=6.5,SNR=5.9				08 23 49.6
ILAR	Eielson Array	74.00 16	eP	P	07 47 59.4 -0.1
ILAR	comp-Z,7.8nm,0.7s,baz=318,slow=6.5,SNR=5.9				07 48 03.0 +1.4
ROSA	Rosais	74.27 307	eP	P	07 48 03.0 +1.4
ROSA	comp-Z,1.6nm,0.8s				07 48 05.0 +0.6
SVW2	Sparrevohn	74.82 22	eP	P	07 48 05.0 +0.6
SVW2	comp-Z,99nm,1.0s				07 48 06.2 -0.1
DBIC	Dimbokro	75.03 267	P	P	07 48 06.2 -0.1
DBIC	comp-Z,5.5nm,0.5s,baz=13,slow=4,SNR=13				08 24 27.1
DBIC	Dimbokro	75.03 267	P	LR	08 24 27.1
DBIC	comp-Z,287nm,18.9s,baz=39,slow=38				07 48 05.8 -0.7
FITZ	Fitzroy Crossi	75.09 127	P	P	07 48 05.8 -0.7
FITZ	comp-Z,11nm,0.8s,baz=293,slow=3.6,SNR=12				

KIC	Kosan Boka	75.12 267	eP	P	07 48 06.6 -0.3
KIC	comp-Z,100nm,1.2s				
EGAK	Eagle	75.17 14	eP	P	07 48 06.9 +0.6
EGAK	comp-Z,130nm,1.0s				
TBIC	Toudi	75.17 267	eP	P	07 48 06.6 -0.6
TBIC	comp-Z,86nm,0.8s				07 48 08.3 0.0
LBTB	Lobbatse	75.42 222	eP	P	07 48 08.3 0.0
LBTB	comp-Z,2.86nm,0.8s				07 48 08.0 -0.6
LIC	Lamto	75.43 267	eP	P	07 48 08.0 -0.6
LIC	comp-Z,79nm,1.2s				07 48 08.5 -1.0
TSUM	Tsumeb	75.60 232	eP	P	07 48 08.5 -1.0
TSUM	comp-Z,15nm,1.0s				07 48 12.5 +0.5
DAWY	Dawson	76.15 13	eP	P	07 48 12.5 +0.5
DAWY	comp-Z,216nm,1.1s				07 48 37.4 -0.3
DAWY	Dawson	76.15 13	eP	pP	07 48 47.1 -1.5
DAWY	comp-Z,216nm,1.1s				07 48 13.1 +0.9
DAWY	Redoubt South	76.15 21	eP	pP	07 48 13.1 +0.9
DAWY	comp-Z,108nm,0.8s				07 48 12.3 +0.2
PMR	Palmer	76.19 19	eP	P	07 48 12.3 +0.2
PMR	comp-Z,109nm,0.8s				07 48 13.6 -0.8
AKUT	Akutan	76.57 31	eP	P	07 48 13.6 -0.8
AKUT	comp-Z,58nm,0.8s				07 48 21.2 +0.5
CHGN	Chignik	77.71 26	eP	P	07 48 21.2 +0.5
CHGN	comp-Z,46nm,0.7s				07 48 25.1 +0.5
KDAK	Kodiak Island	78.42 22	eP	P	07 48 25.1 +0.5
KDAK	comp-Z,300nm,0.9s				08 07 22.8 +0.9
BOSA	Boshof	78.49 220	P	P	08 07 22.8 +0.9
BOSA	comp-Z,40nm,0.6s,baz=8.1,slow=3.2,SNR=106				08 23 29.5
BOSA	Boshof	78.49 220	P	LR	08 23 29.5
BOSA	comp-Z,1.3nm,0.6s,baz=304,slow=1.5,SNR=4.5				07 48 36.5 +0.6
YKA	Yellowknife Ar	80.51 3	P	P	07 48 36.5 +0.6
YKA	comp-Z,91nm,0.5s,baz=349,slow=5.6,SNR=284				08 29 51.9
YKA	Yellowknife Ar	80.51 3	P	pP	07 48 36.5 +0.6
YKA	comp-Z,43nm,18.2s,baz=360,slow=40				07 48 42.0 +0.4
SCHO	Schefferville	81.54 337	P	P	07 48 42.0 +0.4
SCHO	comp-Z,898nm,21.6s,baz=44,slow=35				08 24 39.2
SCHO	Schefferville	81.54 337	P	LR	08 24 39.2
SCHO	comp-Z,38nm,0.8s,baz=37,slow=5.8,SNR=12				07 48 42.1 -1.3
NWAO	Narrogin (SRO)	81.86 142	P	P	07 48 42.1 -1.3
NWAO	comp-Z,40nm,0.6s,baz=184,slow=4.7,SNR=21				08 25 05.9
NWAO	Narrogin (SRO)	81.86 142	eP	LR	08 25 05.9
NWAO	comp-Z,147nm,19.6s,baz=152,slow=36				07 48 41.7 -1.7
NWAO	Narrogin (SRO)	81.86 142	eP	LR	07 48 41.7 -1.7
NWAO	comp-Z,98nm,0.6s				07 49 07.5 -2.0
NWAO	Narrogin (SRO)	81.86 142	eP	pP	07 48 41.7 -1.7
NWAO					

I42A	Dræger Farm, baz=23, baz=16	97.30 346	P	P	07 49 57.0	0.0
I41A	Arkdale, baz=15, SNR=5.6	97.32 346	P	Pdif	07 49 57.2	0.0
H37A	Dierke Farm, baz=12, SNR=5.4	97.33 349	P	Pdif	07 49 57.7	+0.5
H36A	Jessenland, He, baz=12	97.49 349	P	Pdif	07 49 58.7	+0.7
H35A	Sunnyside Ranc, baz=11, SNR=9.5	97.50 350	P	Pdif	07 49 58.5	+0.5
BOZ	Bozeman (W), baz=358, SNR=40	97.51 2	P	Pdif	07 49 58.8	+0.6
BOZ	Bozeman (W), comp=Z, 40nm, 1.3s	97.51 2	eP	P	07 49 59.6	-1.2
BOZ				epP	07 50 23.6	-1.1
BOZ				esP	07 50 34.6	-0.8
BOZ				epP	07 50 53.3	-2.1
BOZ				epP	07 49 56.9	-1.2
BOZ				e'PP	07 50 23.6	-1.1
BOZ				e'SP	07 50 34.6	-0.8
BOZ				e	07 50 53.3	
SSPA	Standing Stone, comp=Z, 40nm, 1.3s, baz=24	97.54 337	P	P	07 49 58.2	0.0
SSPA	Standing Stone, comp=Z, 18nm, 0.6s	97.54 337	eP	P	07 49 57.5	-0.7
I40A	Norwalk, baz=14, SNR=6.4	97.62 347	P	Pdif	07 49 58.8	+0.2
AAM	Ann Arbor, baz=20	97.63 342	P	P	07 49 58.4	-0.1
J43A	Natural Harves, baz=16	97.69 345	P	Pdif	07 49 58.9	+0.1
I38A	Scanlan Farm, baz=13, SNR=7.0	97.77 348	P	Pdif	07 49 59.3	+0.1
I39A	Houston, baz=14, SNR=6.2	97.81 348	P	P	07 49 59.2	-0.1
N54A	Moraine State, baz=23	97.88 339	P	Pdif	07 49 59.9	+0.2
J42A	Columbus, baz=18	97.89 346	P	Pdif	07 49 59.8	0.0
BMO	Blue Mountains, comp=Z, 14nm, 1.5s	97.92 6	eP	Pdif	07 50 00.1	+0.1
BMO				epP	07 50 26.5	0.0
BMO				esP	07 50 36.7	-0.5
BMO				epP	07 50 00.1	+0.1
BMO				e'PP	07 50 26.5	0.0
BMO				e'SP	07 50 36.7	-0.5
BMO				e	07 50 00.1	+0.1
I37A	Lemond Waseca, comp=Z, 14nm, 1.5s, baz=12, SNR=6.2	97.96 349	P	Pdif	07 50 00.5	+0.4
I05D	Terrebonne, OR, baz=350, SNR=6.8	98.00 9	P	Pdif	07 50 01.1	+0.8
H32A	Carlson Farm, baz=9, SNR=2.2	98.02 352	P	Pdif	07 50 00.7	+0.4
J41A	Loganville, baz=15, SNR=7.4	98.02 346	P	P	07 50 00.2	-0.1
RLMT	Red Lodge, baz=390, SNR=25	98.03 0	P	Pdif	07 50 01.6	+1.0
RLMT	Red Lodge, comp=Z, 122nm, 1.6s	98.03 0	eP	Pdif	07 50 01.6	+1.0
I36A	Fitzsimmons Fa, baz=12, SNR=5.9	98.05 349	P	Pdif	07 50 00.9	+0.4
O56A	Blue Knob Stat, baz=24	98.09 337	P	Pdif	07 50 00.8	0.0
J40A	Soldiers Grove, baz=14	98.12 347	P	P	07 50 00.7	-0.1
SUSD	Miller, baz=20	98.24 353	P	Pdif	07 50 01.5	+0.3
M50A	Fremont, baz=7, 8	98.32 341	P	P	07 50 01.3	-0.3
K43A	Burlington, baz=16	98.32 345	P	Pdif	07 50 01.8	+0.2
J39A	Decorah, baz=14, SNR=10	98.35 348	P	P	07 50 01.7	-0.1
I04D	Drain, OR, baz=349, SNR=6.0	98.35 11	P	Pdif	07 50 02.6	+0.9
I03A	Tendick Farm, baz=349, SNR=5.8	98.39 10	P	Pdif	07 50 02.3	+0.2
K42A	Prairie Point, baz=15	98.45 346	P	P	07 50 02.2	-0.1
M49A	Libert Center, baz=20	98.49 342	P	P	07 50 02.4	0.0
J38A	Wedel Dairy, R, baz=13	98.50 348	P	P	07 50 02.3	-0.1
JFWS	Jewell Farm, baz=15	98.50 346	P	P	07 50 02.4	0.0
JFWS	Jewell Farm, comp=Z, 23nm, 0.6s	98.50 346	eP	P	07 50 02.4	0.0
JFWS				epP	07 50 28.2	-0.8
JFWS				P	07 50 02.0	0.0
JFWS				e'PP	07 50 28.2	-0.8
JFWS				e	07 50 02.0	0.0
J37A	Redenius Farm, baz=12, SNR=11	98.67 349	P	Pdif	07 50 03.7	+0.5
ECSD	EROS Data Cent, baz=9.6, SNR=18	98.68 351	P	Pdif	07 50 03.7	+0.4
ECSD	EROS Data Cent, comp=Z, 34nm, 1.3s	98.68 351	eP	P	07 50 03.0	-0.3
ECSD				epP	07 50 29.6	-0.2
ECSD				esP	07 50 38.8	-1.7
H17A	Grant Village, baz=358, SNR=20	98.74 1	P	Pdif	07 50 06.1	+2.3
L44A	Lake County Fo, baz=16	98.74 345	P	Pdif	07 50 03.8	+0.3
J36A	Seneca 1, Swea, baz=11, SNR=11	98.77 349	P	Pdif	07 50 04.2	+0.5
K41A	Shullsburg, baz=15	98.81 346	P	Pdif	07 50 03.8	0.0
K40A	Colesburg, baz=14	98.87 347	P	P	07 50 04.1	0.0
L43A	Garden Prairie, baz=18	98.91 345	P	Pdif	07 50 04.7	+0.4
RSSD	Black Hills, baz=3.7	98.92 357	P	Pdif	07 50 05.3	+0.7
RSSD	Black Hills, comp=Z, 43nm, 1.4s	98.92 357	eP	Pdif	07 50 05.3	+0.7
RSSD	Black Hills	98.92 357	eP	Pdif	07 50 05.3	+0.7
N50A	Nevada, comp=Z, 43nm, 1.4s	98.94 341	P	P	07 50 04.4	-0.1
J04D	Umpqua Nationa, baz=349, SNR=9.8	98.98 10	P	Pdif	07 50 05.2	+0.4
K39A	Oelwein, baz=13	98.99 348	P	P	07 50 04.2	-0.4
MCWV	Mont Chateau, baz=23	99.04 338	P	Pdif	07 50 05.1	+0.2
J05D	Fort Rock, OR, baz=350, SNR=10	99.05 9	P	Pdif	07 50 05.6	+0.5
M46A	Old House Fiel, baz=18	99.13 343	P	Pdif	07 50 05.4	+0.1
K38A	Parkersburg, baz=13	99.20 348	P	Pdif	07 50 05.5	-0.1
K37A	Belmond, baz=12	99.22 349	P	Pdif	07 50 05.8	+0.1
L42A	Oliver, Polo, baz=15	99.27 346	P	Pdif	07 50 06.1	+0.2
L41A	Preston, baz=14	99.36 346	P	Pdif	07 50 06.1	-0.1
ACSO	Alum Creek Sta, baz=20	99.40 340	P	Pdif	07 50 06.5	0.0
ACSO	Alum Creek Sta, comp=Z, 11nm, 0.8s	99.40 340	eP	Pdif	07 50 06.4	-0.1
HLID	Hailey, baz=355, SNR=13	99.42 4	P	Pdif	07 50 07.5	+0.8
HLID	Hailey, comp=Z, 11nm, 1.3s	99.42 4	ePdif	Pdif	07 50 07.0	+0.2
K36A	Gilmore City, baz=11	99.47 349	P	Pdif	07 50 07.1	+0.4
MFID	Camas Ranch, comp=Z, 13nm, 1.0s	99.48 11	ePdif	Pdif	07 50 07.7	+0.7
HUMO	Hull Mountain, comp=Z, 43nm, 0.9s	99.48 11	ePdif	Pdif	07 50 05.9	-0.9
L40A	Anamosa, baz=14	99.50 347	P	Pdif	07 50 06.9	0.0
M44A	Midewin, Midew, baz=16	99.52 344	P	Pdif	07 50 07.4	+0.3
L39A	Vinton, baz=13	99.58 348	P	Pdif	07 50 07.0	-0.3
O50A	Cable, baz=20	99.65 341	P	Pdif	07 50 07.6	-0.1
M43A	Waltham Townsh, baz=16	99.67 345	P	Pdif	07 50 07.9	+0.2

N46A	Monticello, baz=18	99.70 343	P	Pdif	07 50 08.0	+0.2
L38A	Oak Wood Farm, baz=13	99.72 348	P	Pdif	07 50 07.9	0.0
O49A	Covington, baz=19	99.79 341	P	Pdif	07 50 08.3	0.0
M42A	Sheffield, baz=15	99.81 346	P	Pdif	07 50 08.4	+0.1
L37A	Phoenix Point, baz=15	99.86 349	P	Pdif	07 50 08.5	-0.1
N45A	Kentland, baz=17	99.92 344	P	Pdif	07 50 09.2	+0.4
O48A	Farmland, baz=19	99.93 342	P	Pdif	07 50 08.9	0.0
SCIA	State Center, baz=12	99.99 348	P	Pdif	07 50 09.4	+0.3
L36A	Helm Buss Farm, baz=11	100.03 349	P	Pdif	07 50 09.6	+0.4
M41A	Milan, baz=14	100.04 346	P	Pdif	07 50 09.3	-0.1
N44A	Piper City, baz=16	100.11 344	P	Pdif	07 50 10.2	+0.5
M40A	Post Highland, baz=14	100.19 347	P	Pdif	07 50 09.7	-0.3
N43A	Stutzman Famil, baz=16	100.19 345	P	Pdif	07 50 10.2	+0.2
WVOR	Wild Horse Val, comp=Z, 9.0nm, 0.8s	100.19 8	ePdif	Pdif	07 50 10.9	+0.7
WVOR	Wild Horse Val, comp=Z, 8.8nm, 0.8s	100.19 8	eP	Pdif	07 50 10.9	+0.7
P50A	Janestown, comp=Z, 9.0nm, 0.8s	100.20 341	P	Pdif	07 50 09.8	-0.3
O47A	Sheridan, baz=18	100.20 343	P	Pdif	07 50 09.8	-0.3
M39A	Webster, baz=18	100.23 348	P	Pdif	07 50 10.2	0.0
AHID	Auburn Hatcher, comp=Z, 16nm, 1.4s	100.35 2	ePdif	Pdif	07 50 11.3	+0.4
YBH	Yreka Blue Hor, comp=Z, 12nm, 1.4s	100.37 11	P	Pdif	07 50 11.8	+0.9
BW06	Boulder Array, comp=Z, 3.0nm, 0.8s, baz=338, slow=7.4, SNR=8.5	100.38 1	P	Pdif	07 50 11.5	+0.4
BW06	Boulder Array, comp=Z, 3.0nm, 0.8s, baz=338, slow=7.4, SNR=8.5	100.38 1	ePdif	Pdif	07 50 11.5	+0.4
PDAR	Pineale Array, comp=Z, 12nm, 1.4s	100.38 1	P	Pdif	07 50 12.2	+1.0
PDAR	Pineale Array, comp=Z, 2.3nm, 0.6s, baz=42, slow=2.9, SNR=24	100.38 1	P	PKIKP	07 54 36.5	-1.0
PDAR	Pineale Array, comp=Z, 2.2nm, 0.9s, baz=338, slow=3.9, SNR=4.9	100.38 1	P	PKIKPbc	08 06 24.2	-2.2
PDAR	Pineale Array, comp=Z, 2.0nm, 0.8s, baz=134, slow=5.2, SNR=3.9	100.38 1	P	PKIKPbc	07 50 11.3	+0.1
M38A	Pleasantville, baz=12	100.47 348	P	Pdif	07 50 11.2	0.0
N42A	Yates City, baz=12	100.47 346	P	Pdif	07 50 11.2	0.0
K22A	Casper, baz=1.7, SNR=5.7	100.47 358	P	Pdif	07 50 11.6	+0.1
P49A	Miami Univ. Ec, baz=11	100.51 341	P	Pdif	07 50 11.1	-0.4
MOD	Modoc Plateau, comp=Z, 32nm, 1.5s	100.53 9	ePdif	Pdif	07 50 12.5	+0.8
MOD				epP	07 54 18.8	+0.4
O45A	Potomac, baz=12	100.54 344	P	Pdif	07 50 11.8	+0.2
HDIL	Hopedale, baz=16	100.58 345	P	Pdif	07 50 12.1	+0.3
M37A	Trindle Farm, baz=12	100.62 349	P	Pdif	07 50 12.4	+0.5
Q51A	Peebles, baz=20	100.62 340	P	Pdif	07 50 12.0	0.0
M36A	Felix, Anita, baz=11	100.68 349	P	Pdif	07 50 12.1	-0.1
M02C	Callahan, baz=348, SNR=5.5	100.68 11	P	Pdif	07 50 13.3	+1.0
N40A	Mertquake, Sal, baz=14	100.71 347	P	Pdif	07 50 12.5	+0.1
N41A	Harden Midland, baz=19	100.75 346	P	Pdif	07 50 12.6	+0.1
P48A	Milroy, baz=19	100.75 342	P	Pdif	07 50 12.4	-0.1
O44A	Mansfield, baz=18	100.80 344	P	Pdif	07 50 13.3	+0.6
O33A	Sugar Creek Fa, baz=16	100.85 345	P	Pdif	07 50 13.1	+0.2
N39A	Derby Farms, D, baz=13	100.88 348	P	Pdif	07 50 13.3	+0.2
P47A	Martinsville, baz=18	100.94 343	P	Pdif	07 50 13.2	-0.1
Q50A	Georgetown, baz=20	100.97 341	P	Pdif	07 50 13.2	-0.3
P46A	Rosedale, baz=18	101.03 343	P	Pdif	07 50 14.0	+0.2
Q49A	Aurora, baz=19	101.05 341	P	Pdif	07 50 13.8	-0.1
R52A	Cattletsburg, baz=12	101.08 339	P	Pdif	07 50 13.8	-0.2
N38A	Joes South For, baz=12	101.08 348	P	Pdif	07 50 14.0	0.0
O42A	Bath, baz=15	101.09 346	P	Pdif	07 50 13.8	-0.2
BGNE	Belgrade, baz=8.5	101.15 352	P	Pdif	07 50 14.9	+0.6
P45A	Graceand, Par, baz=12	101.24 344	P	Pdif	07 50 14.8	+0.1
N37A	Lee Faris, Mou, baz=12	101.27 349	P	Pdif	07 50 14.9	0.0
O41A	Passleys Farm, baz=12	101.32 346	P	Pdif	07 50 14.8	-0.2
N36A	Muff Farm, Cla, baz=11	101.33 349	P	Pdif</		

SDCO	Great Sand Dun	105.34	357	P	Pdif	07 50 33.7	+0.3
SDCO	Great Sand Dun	105.34	357	ePdif	Pdif	07 50 34.8	+1.4
S22A	4UR Ranch, Cre	105.38	359	P	Pdif	07 50 35.1	+1.5
X50B	Fort Payne	105.54	340	P	PKIKP	07 54 47.6	+0.8
Y52A	Lilburn	105.66	339	P	PKIKP	07 54 48.1	+1.1
X49A	Woodville	105.67	341	P	PKIKP	07 54 47.2	+0.2
V41A	Mountainview	105.76	346	P	PKIKP	07 54 47.4	+0.2
GOGA	Godfrey	105.91	338	P	PKIKP	07 54 47.7	+0.2
X48A	Hartselle	105.91	342	P	PKIKP	07 54 47.6	+0.1
MVCO	Mesa Verde	105.93	360	P	PKIKP	07 54 47.3	-0.5
156A	Sylvania	106.00	336	P	PKIKP	07 54 48.2	+0.5
X47A	Russellville	106.05	342	P	PKIKP	07 54 47.6	-0.1
Z53A	Monticello	106.06	338	P	PKIKP	07 54 48.1	+0.3
TUL1	Leonard	106.26	349	P	PKIKP	07 54 48.5	+0.4
Y49A	Blount Mountai	106.31	341	P	PKIKP	07 54 48.5	+0.3
DAC	Darwin (Calif)	106.39	8	ePKPpdf	PKIKP	07 54 50.5	+1.8
Z52A	Williamson	106.39	339	P	PKIKP	07 54 48.4	0.0
Y47A	Jasper	106.45	342	P	PKIKP	07 54 48.5	0.0
Z54A	Skidaway Islan	106.48	336	P	PKIKP	07 54 48.9	+0.3
X45A	UM Field Stati	106.50	343	P	PKIKP	07 54 48.4	-0.1
Y47A	UCPARC, Winfie	106.63	342	P	PKIKP	07 54 48.6	-0.2
X43A	Marvell	106.73	345	P	PKIKP	07 54 49.3	+0.3
Z50A	Ashland	106.75	340	P	PKIKP	07 54 49.4	+0.3
DZM	Mont Dzumac	106.89	105	eLR	LR	08 26 06.7	
Y46A	Houston	106.89	343	P	PKIKP	07 54 49.7	+0.4
152A	Waverly Hall	106.97	339	P	PKIKP	07 54 50.1	+0.6
Z49A	Columbiana	106.97	341	P	PKIKP	07 54 49.8	+0.3
255A	Hazlehurst	106.99	337	P	PKIKP	07 54 49.9	+0.4
Z48A	Northport	106.96	342	P	PKIKP	07 54 49.8	+0.2
357A	Townsend	107.14	336	P	PKIKP	07 54 50.5	+0.7
254A	Abbeville	107.22	338	P	PKIKP	07 54 49.5	-0.5
MIAR	Mount Ida	107.23	347	P	PKIKP	07 54 50.1	+0.1
LRAL	Lakeview Retre	107.24	341	P	PKIKP	07 54 50.7	+0.7
151A	Opelika	107.27	340	P	PKIKP	07 54 50.7	+0.6
Z47A	Carrollton	107.36	342	P	PKIKP	07 54 50.9	+0.7
X39A	Fountain Ranch	107.36	347	P	PKIKP	07 54 50.3	+0.1
G3C	Goldstone, Bar	107.44	7	P	PKIKP	07 54 50.2	-0.2
WUAZ	Wupatki	107.58	2	ePdif	Pdif	07 50 42.7	-0.5
149A	Jones	107.60	341	P	PKIKP	07 54 51.1	+0.4
252A	Lumpkin	107.60	339	P	PKIKP	07 54 51.1	+0.4
251A	Midway	107.70	339	P	PKIKP	07 54 51.3	+0.4
WMOK	Wichita Mounta	107.81	351	P	PKIKP	07 54 51.4	+0.4
147A	Livingston	107.91	342	P	PKIKP	07 54 51.8	+0.5
AMTX	Amarillo	107.96	354	P	PKIKP	07 54 51.3	-0.1
ANMO	Albuquerque	108.16	358	Pdif	Pdif	07 50 48.9	+3.0
ANMO	Albuquerque	108.16	358	ePdif	Pdif	07 50 46.3	+0.4
ANMO	Albuquerque	108.16	358	eP	Pdif	07 50 46.3	+0.4
SYO	Syowa Base	108.51	192f	ePdif	Pdif	07 50 49.0	+3.0
SYO	Syowa Base	108.51	192f	P	PKKPbc	08 06 01.7	-1.3
SYO	Syowa Base	108.51	192f	P	PKKPbc	08 06 08.0	-3.3
351A	Pinckard	108.53	339	P	PKIKP	07 54 53.2	+0.8
Z47A	Quitman	108.58	342	P	PKIKP	07 54 52.8	+0.2
IRM	Iron Mountain	108.72	6	P	PKIKP	07 54 53.4	+0.6
BRAL	Brewton	109.03	341	P	PKIKP	07 54 54.0	+0.6
347A	Saraland	109.19	342	P	PKIKP	07 54 54.3	+0.6
451A	Vernon	109.19	339	P	PKIKP	07 54 55.1	+1.4
BC3	Big Chuckawall	109.19	6	P	PKIKP	07 54 53.9	+0.1
GLVR	135nm.0.2s						
241A	Mo Tay, Goldon	109.56	346	P	PKIKP	07 54 55.4	+1.0
345A	Thompson Farm,	109.63	343	P	PKIKP	07 54 55.5	+1.0
240A	Hunter Patters	109.70	347	P	PKIKP	07 54 55.2	+0.6
ANWB	Willy Bob	109.80	312	eP	Pdif	07 51 00.0	+6.9
ABTX	Abilene, Hawle	110.00	352	P	PKIKP	07 54 55.8	+0.6
859A	Kempfer Cattle	110.03	343	P	PKIKP	07 54 56.1	+0.7
342A	Flagon Creek P	110.07	345	P	PKIKP	07 54 55.9	+0.6
IKP	In-Ko-Pah, Jac	110.13	7	P	PKIKP	07 54 55.3	-0.3
NATX	Nacogdoches	110.14	347	ePKPpdf	PKIKP	07 54 55.8	+0.4
NATX	Nacogdoches	110.14	347	ePP	PKIKP	07 55 29.9	+0.7
341A	Kurthwood	110.28	346	P	PKIKP	07 54 56.1	+0.3
WHTX	Lake Whitney,	110.35	350	P	PKIKP	07 54 56.5	+0.6
959A	Okeechobee	110.51	334	P	PKIKP	07 54 56.6	+0.6
121A	Cookes Peak, D	110.59	359	P	PKIKP	07 54 56.5	0.0
TUC	Tucson	110.79	2	P	PKIKP	07 54 57.4	+0.6
TUC	Tucson	110.79	2	ePKPpdf	PKIKP	07 54 58.1	+1.3
214A	Organ Pipe Nat	111.06	4	P	PKIKP	07 54 57.4	+0.1
058A	Arcadia	111.26	334	P	PKIKP	07 54 57.9	+0.2
MNTX	Cornudas Mount	111.36	357	P	PKIKP	07 54 58.2	+0.4
MNTX	Cornudas Mount	111.36	357	ePKPpdf	PKIKP	07 54 57.9	0.0
JCT	Junction City	112.14	352	P	PKIKP	07 54 59.7	+0.4
JCT	Junction City	112.14	352	ePKPpdf	PKIKP	07 54 59.9	+0.5
JAR	Lajitas Bay	112.62	333	Pdif	Pdif	07 51 13.3	+3.2
TXAR	comp=2.0,5nm,0.7s,baz=128,slow=1.5,SNR=8.5			PKIKP	PKIKP	07 55 03.1	+0.8
TXAR	comp=2.0,8nm,0.7s,baz=181,slow=6.7,SNR=11			PKIKPbc	PKIKPbc	08 05 40.0	-1.1
833A	Chaparral WMA,	114.22	351	P	PKPpdf	07 55 03.8	+0.5
PCRV	Puerto La Cruz	117.36	310	PKP	PKPpdf	07 55 08.3	-1.4
SNA	Sanae	120.18	201	PKP	PKPpdf	07 55 13.0	-0.4
SNA	Sanae	120.18	201	PKP	PKPpdf	08 05 21.8	-1.1
SNA	Sanae	120.18	201	PKP	PKPpdf	07 55 12.7	-0.7
SNA	comp=2.2nm,0.6s,baz=221,slow=6.4,SNR=50			PKPpdf	PKPpdf	08 05 21.8	-1.1
VNA1	Neumayer-Stat	121.34	203	PKP	PKPpdf	07 55 15.1	-0.4
VNA1	Neumayer-Stat	121.34	203	P	PKKPbc	08 05 17.8	-0.6

SDV	Santo Domingo	121.94	314	ePKPpdf	PKPpdf	07 55 19.1	+0.3
VNA3	Neumayer Olymp	121.99	202	PKP	PKPpdf	07 55 16.3	-0.5
VNA3	Neumayer Olymp	121.99	202	P	PKKPbc	08 05 15.3	-0.7
UDC	Agust-1 Codaz	122.64	318	eP	PKPpdf	07 55 18.3	-1.5
CORDZ	Urewera	122.82	116	PKP	PKPpdf	07 55 17.1	-2.2
SJCC	San Jacinto, C	123.59	319	eP	PKPpdf	07 55 21.5	-0.2
OCAC	Ocana	123.98	316	eP	PKPpdf	07 55 21.9	-0.7
PAMC	Pampolona, Colo	124.38	315	eP	PKPpdf	07 55 23.7	-0.1
IAMC	Tame, Arauca	124.59	314	eP	PKPpdf	07 55 23.7	+0.1
BRRC	Barranca, Sant	125.13	316	eP	PKPpdf	07 55 23.6	-1.0
BARC	Barichara	125.26	315	eP	PKPpdf	07 55 23.0	-2.2
ZARC	Zaragoza, Cauc	125.44	317	eP	PKPpdf	07 55 25.0	-0.2
RUSC	La Rusia	125.78	315	eP	PKPpdf	07 55 26.3	-0.2
CAPC	Capurgana	125.78	321	eP	PKPpdf	07 55 26.3	+0.5
PTBC	PUERTO BERRIO	126.01	316	eP	PKPpdf	07 55 26.5	+0.2
VNDA	comp=2.1,5nm,0.8s,baz=303,slow=3.4,SNR=11			PKP	PKPpdf	07 55 23.1	-1.4
VNDA	Vanda	126.12	164	PKIKP	PKPpdf	07 55 23.1	-1.4
VNDA	comp=2.1,0nm,0.6s			PKIKP	PKPpdf	07 55 27.2	0.0
BCIP	Isla Barro Col	126.54	324	ePKPpdf	PKPpdf	07 55 25.0	-2.3
BCIP	Isla Barro Col	126.54	324	eP	PKPpdf	07 55 27.0	-0.5
DBBC	Dabeiba	126.56	319	eP	PKPpdf	07 55 27.0	-1.5
HELK	Santa Helena	126.89	317	eP	PKPpdf	07 55 25.5	-1.1
QSPA	South Pole Qui	127.02	180	PKP	PKPpdf	07 55 25.5	-1.1
QSPA	South Pole Qui	127.02	180	ePKPpdf	PKPpdf	07 55 25.4	-1.3
QSPA	South Pole Qui	127.02	180	ePKPpdf	PKPpdf	07 57 18.6	-2.2
NORC	Norasica	127.05	316	eP	PKPpdf	07 55 28.7	+0.3
CHIC	Chingaza	127.17	314	eP	PKPpdf	07 55 27.2	+2.1
ROSC	El Rosal	127.33	315	PKP	PKPpdf	07 55 30.6	+1.3
ROSC	comp=2.1,55nm,0.8s,baz=230,slow=8.0,SNR=110						
ROSC	El Rosal	127.33	315	eP	PKPpdf	07 55 30.0	+0.7
VILC	Villavicencio	127.57	314	eP	PKPpdf	07 55 29.6	+0.1
TOLC	Tolima	128.10	316	eP	PKPpdf	07 55 31.9	+1.0
PLMC	San Jos del	128.37	317	eP	PKPpdf	07 55 30.6	-0.4
SJAC	San Juan de Ar	128.40	314	eP	PKPpdf	07 55 31.9	+0.7
PRAC	Prado	128.58	315	eP	PKPpdf	07 55 31.9	+0.7
YOTC	Yotoco, Valle	129.17	317	eP	PKPpdf	07 55 31.7	-0.8
MALC	Bahia Malaga	129.68	318	eP	PKPpdf	07 55 32.9	-0.4
HORQ	Saladito	129.74	317	eP	PKPpdf	07 55 32.3	-1.5
MARP	Paez Belalcaza	129.89	315	eP	PKPpdf	07 55 32.3	-1.8
SAML	Samuel	130.26	293	ePKPpdf	PKPpdf	07 55 34.7	+0.4
SAML	Samuel	130.26	293	ePKIKP	PKPpdf	07 55 34.7	+0.4
POPC	Popayan, Colom	130.54	316	eP	PKPpdf	07 55 35.9	+0.6
CHIC	Cinco Días	130.56	315	eP	PKPpdf	07 55 37.6	+1.9
SOTA	Sotogrande	130.84	316	eP	PKPpdf	07 55 37.6	-0.7
GCUF	Volcan Galeras	132.00	316	eP	PKPpdf	07 55 42.3	+1.4
CMBC	Cumbal	132.50	316	eP	PKPpdf	07 55 42.3	+1.4
SIV	San Ignacio	133.08	284	PKP	PKPpdf	07 55 39.4	-0.1
OTAV	Otavallo	133.43	316	ePKPpdf	PKPpdf	07 55 42.3	+1.4
OTAV	Otavallo	133.43	316	ePKPpdf	PKPpdf	07 55 42.3	+1.4
OTAV	Otavallo	133.43	316	ePKPpdf	PKPpdf	07 55 42.3	+1.4
OTAV	Otavallo	133.43	316	ePKPpdf	PKPpdf	07 55 42.3	+1.4
CPUP	Villa Florida	135.53	269	eP	PKPpdf	07 55 43.9	0.0
LPZAZ	La Paz	138.66	289	PKIKP	PKPpre	07 55 44.2	
PP2T	Patepete2	139.11	73	eLR	LR	08 40 59.9	
ATAH	Atahualpa	139.34	310	PKP	PKPpdf	07 55 53.3	+1.5
NNA	Nana	142.01	303	PKIKP	PKPpre	07 55 52.5	
NNA	Nana	142.01	303	ePKPpdf	PKPpdf	07 55 56.7	+0.6
NNA	Nana	142.01	303	ePKPpdf	PKPpdf	07 55 23.8	0.0
TBI	Tabuaj	142.42	80	eLR	LR	08 42 34.0	
TRQA	Trinquist	143.35	254	ePKPpdf	PKPbc	07 55 56.0	+0.8
TRQA	Toruato	143.35	254	ePKIKP	PKPbc	07 55 56.0	+0.8
LCO	Las Campanas	147.36	273	ePKPpdf	PKPbc	07 56 04.0	-1.3
LCO	Las Campanas	147.36	273	ePKPpdf	PKPbc	07 56 34.3	-0.9
LCO	Las Campanas	147.36	273	ePKIKP	PKPpdf	07 56 04.0	-1.3
LCO	Las Campanas	147.36	273	ePKIKP	PKPpdf	07 56 34.3	-0.9
PLCA	Paso Flores	150.34	251	ePKPbc	PKPbc	07 55 15.6	+0.8
PLCA	comp=2.1,0nm,0.6s,baz=132,slow=2.5,SNR=17						

68nm,0.2s							
JAR	Ashorobuto	2.33	277	P	Pn	07 45 09.	

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11N2 WAKE ISLAND, H11N1 WAKE ISLAND, H11N3 WAKE ISLAND, etc.

WEL 19 08:45:09.41.3, 34°S, 29°17'W, 50, h33km, ML2.2/11, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MXZ Matakoa Point, WMGZ Waiaomatani S, WMGZ Waiaomatani S, etc.

ISJCJB 19 08:48:55.3.0.5, 39°69N, 0°03.29'49E, 0.05, h0km, Error ellipse: s-maj=6.1km s-min=4.2km az=10.4

DDA 19 08:48:55.3.39'70N:29'46E, h7km, ML2.6, Suspected Mining explosion.

CSEM 19 08:48:55.4.0.3, 39°65N:29'50E, h1km, ML2.0, Error ellipse: s-maj=7.0km s-min=4.7km az=110.0, Suspected Mining explosion.

ISK 19 08:48:55.0.39'66N:29'54E, h4km, 1km, ML2.0/6

ISC 19 08:48:56.0.0.9, 39°67N:0°03.29'49E, 0.03, h0km, n27, c059/96/35, Turkey

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

ISJCJB 19 08:56:33.3.0.5, 32°21N:0°03.115'23W:0.03, h21km, 4km, Error ellipse: s-maj=5.1km s-min=4.4km az=0.4

ECX 19 08:56:34.8.0.5, 32°21N:115.29W, h0km, MD2.9, ML3.1

NEIC 19 08:56:34.8.0.0, 32°21N:115.29W, h0km, MD3.1 (ECX), ML3.0 (PAS), After ECX.

MEX 19 08:56:35.7.0.3, 32°26N:115°22W, h10km, 3km, MD3.8

ISC 19 08:56:33.1.0.1, 32°23N:0°03.115'25W:0.03, h18km, 3km, n44, c16/159, 3C-6D, California-Baja California border region

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BAR Barrett, BC3 Big Chuckawall, Y12C Blythe, etc.

NEIC 19 08:59:21.0.0.0, 32°21N:115°30W, h6km, MD2.8 (ECX), ML2.7 (PAS), After ECX.

ECX 19 08:59:20.9.0.5, 32°22N:115°30W, h6km, MD2.6, ML2.8, SC-40, California-Baja California border region

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

CNRM 19 09:25:04.6.34°59N:2°82W, h29km, ML2.7

CSEM 19 09:25:07.8.0.4, 35°11N:3°05W, h20km, ML2.4/12, Error ellipse: s-maj=9.2km s-min=5.1km az=129.0

MDD 19 09:25:07.1.0.9, 35°02N:3°10W, h12km, 7km, mb3.5/10, Error ellipse: s-maj=15.2km s-min=6.1km az=124.0, PRXIMO

ISJCJB 19 09:25:08.1.0.6, 35°18N:0°04.3'08W:0.05, h28km, 4km, Error ellipse: s-maj=8.0km s-min=4.7km az=136.3

SFS 19 09:25:09.0.3, 35°27N:3°22W, h0km, ML2.2

ISC 19 09:25:07.8.1.4, 35°17N:0°04.3'10W:0.04, h21km, 2km, n65, c140/100, Strait of Gibraltar

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

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

ISJCJB 19 09:27:47.6.0.9, 18°5'S:0.2'169°2E:0.2, h240km, mb3.6/7, Error ellipse: s-maj=34.1km s-min=11.2km az=37.6

IDC 19 09:27:48.1.3.3, 18°16'S:169°30E, h235km, 37km, mb3.5/7, mb1.3/7.8, mb1mx3.4/43, mbtrmp4.0/8, Error ellipse: s-maj=62.6km s-min=20.4km az=159.0

ISC 19 09:27:48.5.1.0, 18°7'S:0.2'169°3E:0.2, h240km, n8, c048/9, mb3.7/7, Vanuatu Islands

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

ISJCJB 19 09:35:13.4.0.9, 38°07N:0°03:20'34E:0.06, h11km, 4km, Error ellipse: s-maj=7.4km s-min=4.4km az=169.1

THE 19 09:35:14.2, 38°06N:20°40E, h12km, ML3.1/5, Error ellipse: s-maj=1.0km s-min=0.5km az=74.0

CSEM 19 09:35:14.0.0.3, 38°09N:20°41E, h10km, ML2.8, Error ellipse: s-maj=6.0km s-min=2.8km az=77.0

ATH 19 09:35:14.1, 38°09N:20°44E, h20km, 1km, ML2.8, Error ellipse: s-maj=1.9km s-min=0.9km az=82.0

ISC 19 09:35:13.9.1.1, 38°08N:0°02:20'39E:0.04, h18km, 5km, n70, c059/96, Greece

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FIAO, FINES, NOA, TORO, TOA1.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MEX 19:11:49:47.5,0.8,19:17N:102.75W,55km,MD3.8.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SOME 19:11:50:02.8,44:23N:81.72E,h0km, NNC 19:11:50:03.5,2.4,44:27N:0.07:81.68E,0.09,h12km,13km.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NNC 19:12:00:11.2,5.3,37:02N:70.42E,h0km,mb4.0,mpv3.6.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SOME 19:13:01:24.5,44:68N:82.22E,h20km, NNC 19:13:01:25.4,1.3,44:74N:81.94E,h0km,mb3.2,mpv2.8.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ISN 19:13:02:02.9,1.2,34:35N:45.53E,h11km,29km,ML2.5.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ISC/CJB 19:13:16:04.4,2.4,20:8S:0.6:178:7W,0.4,h57km,mb3.5/6.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 19:13:23:32.7,1.2,5:30S:146.21E,h0km,mb3.6/3.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 19:13:31:44.0,1.8,60:82S:29:33W,h0km,mb4.1/1.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AGG Agios Georgios, AGG Agios Georgios, AGG Evrytania.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SERG Sergoula, SERG Klokotos Trika, KALE Kalithea.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CSEM 19:13:35:27.9,0.1,37:83N:21:27E,h22km,1km,ML1.8.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VTN Vitineika, VTN Vitineika, VTN Vitineika.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SERG Sergoula, GUR Goura, KALE Kalithea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JRY Ryogami san, JYR Ashikaga, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRMR Russkaya, RUS Russkaya, MTRV Mutnovka, etc.

1DC 19 14:50:03.6i.0.8,3:37S:143°64'E,h0km,mb4.1/9, mb1 4.2/11, mb1mx0.4/3, mbtmp4.1/11, ML4.3/1, MS3.1/5, MS1 3.1/5, ms1mx2.8/41, Error ellipse: s-maj=30.2km s-min=10.1km az=106.0

ISCJB 19 14:50:05.0i.0.6,3:31S:0°07',143.9E:0.1, h25km, mb4.0/9, MS3.1/4, Error ellipse: s-maj=20.3km s-min=9.6km

ISC 19 14:50:07.6i.0.8,3:32S:0°08',143.7E:0.2, h25km, n22, c1801/14, mb4.1/9, MS3.1/4, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG Port Moresby, GUMO Guam, CTA Charters Town, WRA Warramunga Arr, etc.

1DC 19 13:38:26.7i.1.4,7:22S:127°83'E,h0km,mb4.0/5, mb1 4.1/7, mb1mx3.8/50, mbtmp4.0/7, ML4.0/2, Error ellipse: s-maj=152.9km s-min=27.9km az=67.0, Banda Sea

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

ISK 19 14:12:28.9,38°70'N,41°61'E,h5km,ML2.2/8 ISCJB 19 14:12:30.7i.0.6,38°73'N,41°03'41.61E:0.04, h7km,6km, Error ellipse: s-maj=6.6km s-min=4.0km az=38.8

CSEM 19 14:12:30.5i.0.2,38°75'N,41°60'E,h8km,ML2.2, Error ellipse: s-maj=5.4km s-min=4.4km az=40.0

DDA 19 14:12:31.2i.38°76'N,41°58'E,h7km,ML2.6 ISC 19 14:12:30.1i.2,38°75'N,41°60'E:0.03, h1km,14km, n30, c0543/40, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GURO Guroyamak-BITLI, BINGL BINGOL, EKAR Karacaban, etc.

BUI 19 13:48:35.3,42°91'N,85°39'E,h7km,mb3.8/1,ML3.7/11 ISC 19 13:48:36.8i.1.2,43°34'N,85°38'E,h0km,mb3.7/3, mb1 3.7/7, mb1mx3.4/69, mbtmp3.6/7, ML2.2/4, MS3.4/2, MS1 3.5/2, ms1mx2.3/67, Error ellipse: s-maj=61.2km s-min=12.8km az=55.0

NNC 19 13:48:36.7i.1.9,43°10'N,85°23'E,h0km,mb4.0,mpv3.6, Error ellipse: s-maj=18.0km s-min=10.6km az=116.0

ISC 19 13:48:37.0i.1.0,43°18'N,09°85'35E:0.06, h10km, n17, c1919/9, mb3.7/3, 8C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WMQ Urumqi, MK31 Makanchi Array, MK31 Makanchi Array, etc.

1DC 19 14:55:42.9i.1.8,1:29N,126°63'E,h0km,mb3.5/4, mb1 3.6/4, mb1mx3.4/54, mbtmp3.5/4, Error ellipse: s-maj=181.3km s-min=21.6km az=66.0, Northern Molucca Sea

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

CNMR 19 15:04:33.1,32°26'N,7°77'W,h0km,ML2.9 INMG 19 15:04:33.2i.1.4,32°05'N,8°09'W,h25km,ML2.5, Error ellipse: s-maj=16.7km s-min=6.7km az=53.0

MDD 19 15:04:34.0i.0.8,32°22'N,7°95'W,h0km,mb4.3/6, Error ellipse: s-maj=26.4km s-min=6.3km az=92.0, PRXIMO SFS 19 15:04:34.0,32°25'N,7°79'W,h0km,ML2.4 CSEM 19 15:04:35.1i.0.3,32°20'N,7°90'W,h20km,mb4.3, Error ellipse: s-maj=15.7km s-min=5.4km az=85.0

ISC 19 15:04:33.5i.1.2,32°26'N,0.6°78'W:0.1, h10km, n36, c1962/50, 2C, Morocco

MAN 19 14:16:49.7,11°41'N,125°15'E,h15km,mb3.9,ML2.6, MS2.2, 1D, Samar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLP Palo, BESP Borongan, OCM Ormoc, etc.

KRMR 19 14:20:14.3i.1.0,54°39'N,162°31'E,h40km,15km,ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKZ Mys Kozlova, TUMD Tumrok D, KBTR Krutoberegovo, etc.

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

ISCJB 19 14:02:32.7i.0.4,35°19'N,0°05',139°06'E:0.08, h157km,3km,mb3.3/7, Error ellipse: s-maj=11.0km s-min=7.2km az=163.7

1DC 19 14:02:33.0i.0.6,35°21'N,139°13'E,h144km,5km,mb3.2/7, mb1 3.3/11, mb1mx3.1/65, mbtmp3.6/11, Error ellipse: s-maj=18.8km s-min=6.8km az=70.0

JMA 19 14:02:33.8i.0.1,35°12'N,139°02'E,h152km,1km,MS3.1 ISC 19 14:02:33.8i.0.8,35°19'N,0°06',139.03E:0.08, h153km,6km, n26, c1501/32, mb3.5/7, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOD2 Odawara 2, AJJ Ajiro2, JIZS Iizuhimoda, etc.

ISCJB 19 14:02:33.0i.0.6,35°21'N,139°13'E,h144km,5km,mb3.2/7, mb1 3.3/11, mb1mx3.1/65, mbtmp3.6/11, Error ellipse: s-maj=18.8km s-min=6.8km az=70.0

JMA 19 14:02:33.8i.0.1,35°12'N,139°02'E,h152km,1km,MS3.1 ISC 19 14:02:33.8i.0.8,35°19'N,0°06',139.03E:0.08, h153km,6km, n26, c1501/32, mb3.5/7, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOD2 Odawara 2, AJJ Ajiro2, JIZS Iizuhimoda, etc.

19d 16h

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like FAKI, CHAI, PBKT, CMMT, CHTO, etc.

2012 JUL

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like WR1, WRA, ABKAR, DLBC, AKTO, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like TPNV, HWUT, BW06, PD31, etc.

ISCJB 19 16:19:06.3:0.4, 49:83N:0:02:18:47E:0:03, h0km, Error ellipse: s-maj=3.3km s-min=2.5km az=2.5

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC, P, G, Sg. Includes stations like OKC, MORC, etc.

19d 17h

2012 JUL

R11A	Troy Canyon, C	32.34	113	P	P	17 08 42.4	+1.4	O37A	Wolven Farm, M	41.67	90	P	P	17 09 59.3	-0.6	N50A	Nevada	46.82	80	P	P	17 10 40.5	-0.7
TPNV	Topopah Spring	33.16	115	P	P	17 08 49.6	+1.5	N38A	Joess South For	41.67	88	P	P	17 10 00.0	+0.1	Q48A	North Vernon	46.90	84	P	P	17 10 40.9	-0.9
ISA	Isabel Lake	33.21	119	P	P	17 08 49.8	+1.3	K41A	Shulburg	41.84	84	P	P	17 10 01.5	+0.2	R47A	Work Knot Far	46.97	85	P	P	17 10 41.5	-0.9
PKM	Mpherson Peak	33.27	122	P	P	17 08 50.4	+1.3	AMTX	Amarillo	41.88	102	P	P	17 10 01.4	-0.5	O50A	Cable	47.05	81	P	P	17 10 43.0	0.0
MDND	Madlock	33.48	85	P	P	17 08 51.5	+0.9	N39A	Derby Farms, D	41.98	88	P	P	17 10 01.7	-0.8	WCI	Wyandotte Cave	47.14	85	P	P	17 10 44.1	+0.4
LRMC	Laurel Mtn Rad	33.72	119	P	P	17 08 52.8	-0.1	P37A	Lathrop	41.99	91	P	P	17 10 02.9	+0.4	T46A	Princeton	47.23	87	P	P	17 10 44.2	-0.2
RSSD	Black Hills	33.74	94	P	P	17 08 51.4	-1.7	I43A	Langenfeld Bro	42.02	81	P	P	17 10 02.6	-0.1	P50A	Jamestown	47.37	82	P	P	17 10 45.4	0.0
ULM	Lac du Bonnet	33.84	79	P	P	17 08 54.2	+0.5	O38A	Gait	42.04	89	P	P	17 10 02.4	-0.6	U46A	Springville	47.61	88	P	P	17 10 47.5	+0.2
BLG	Laguna Peak, P	34.26	122	P	P	17 08 56.2	-1.3	MSTX	Muleshoe	42.06	104	P	P	17 10 04.0	+0.6	R49A	Shelbyville	47.66	84	P	P	17 10 47.5	-0.3
O20A	White River Ci	34.53	103	P	P	17 09 00.9	+0.9	F45A	CMU Biological	42.07	77	P	P	17 10 03.3	+0.1	S48A	Weyman Farm,	47.70	85	P	P	17 10 48.3	+0.3
A33A	Warroad	34.91	81	P	P	17 09 03.5	+0.5	L41A	Preston	42.13	85	P	P	17 10 04.2	+0.6	W44A	Shelby Farms P	47.71	91	P	P	17 10 46.4	-1.8
AGMN	Agassiz Nation	35.09	82	P	P	17 09 05.0	+0.5	O39A	Kirksville	42.42	88	P	P	17 10 06.5	+0.5	Y42A	Star	47.73	94	P	P	17 10 45.5	-2.8
N23A	Red Feather La	35.11	100	P	P	17 09 05.2	+0.1	SPTS	Spitsbergen Ar	42.60	3	P	P	17 10 06.4	-0.7	WVT	Waverly	47.96	88	P	P	17 10 50.3	+0.2
B34A	Aery, Baudette	35.58	81	P	P	17 09 08.8	+0.1	MNTX	Cornudas Mount	42.62	108	P	P	17 10 09.1	+1.5	S49A	Springfield	47.99	85	P	P	17 10 50.1	-0.2
IRM	Iron Mountain	35.97	117	P	P	17 09 13.0	+0.7	K43A	Burlington	42.77	83	P	P	17 10 09.1	+0.2	U47A	Clarksville	48.00	87	P	P	17 10 50.2	-0.2
B35A	Bob, Littlefor	36.13	80	P	P	17 09 12.2	-1.3	Q38A	Cooks Store, C	42.84	91	P	P	17 10 09.2	-0.3	M54A	Oil Creek Stat	48.02	77	P	P	17 10 49.5	-1.0
C35A	Jirik Farms, M	36.44	81	P	P	17 09 15.7	-0.4	O40A	La Belle	42.86	88	P	P	17 10 09.3	-0.3	W45A	Hickory Valley	48.02	90	P	P	17 10 49.9	-0.7
WU4Z	Wupatki	36.62	111	P	P	17 09 18.5	+0.6	P39B	Salisbury	42.88	89	P	P	17 10 09.5	-0.3	Q51A	Peebles	48.03	82	P	P	17 10 49.3	-1.4
E34A	Wadena	36.63	84	P	P	17 09 18.0	+0.3	Q39A	Willow Grove F	43.10	90	P	P	17 10 11.2	-0.4	V46A	Holladay	48.07	89	P	P	17 10 51.0	+0.1
MVCO	Mesa Verde	36.66	106	P	P	17 09 19.6	+1.2	P40A	Paris	43.22	89	P	P	17 10 12.6	+0.1	R50A	Paris	48.10	83	P	P	17 10 51.0	-0.1
D35A	Remer	36.81	82	P	P	17 09 19.9	+0.6	R38A	Fenwick Farm,	43.28	92	P	P	17 10 12.7	-0.3	MJAR	Mattiro Arr	48.15	273	P	P	17 10 52.2	+0.7
H32A	Carlson Farm,	36.85	88	P	P	17 09 20.1	+0.5	WMOK	Wichita Mounta	43.46	99	P	P	17 10 15.7	+1.1	LONY	Lake Ozonia	48.21	70	P	P	17 10 50.9	-1.0
Q24A	Divide	36.97	101	P	P	17 09 21.1	+0.1	Q40A	Laux Farm, Aux	43.60	89	P	P	17 10 15.3	-0.3	N54A	Moraine State	48.27	78	P	P	17 10 51.5	-0.9
C36A	Pine Crest Far	36.98	80	P	P	17 09 20.7	+0.1	P41A	Barry, Barry	43.61	88	P	P	17 10 15.2	-0.5	833A	Chaparral WMA,	48.33	105	P	P	17 10 54.2	+1.2
GLA	Glamis	37.04	118	P	P	17 09 22.0	+0.6	R39A	Chumby Stover	43.62	91	P	P	17 10 15.2	-0.6	U48A	Cassie Pea, Po	48.33	87	P	P	17 10 52.9	0.0
OGNE	Ogallala	37.06	96	P	P	17 09 22.1	+0.5	N43A	Stutzman Famil	43.64	85	P	P	17 10 15.1	-0.8	V47A	Nunnely	48.36	88	P	P	17 10 53.3	+0.1
S22A	4UR Ranch, Cre	37.07	104	P	P	17 09 22.2	+0.3	S38A	Stockton	43.70	92	P	P	17 10 15.7	-0.8	T49A	Edmonton	48.39	85	P	P	17 10 53.6	+0.2
F34A	Alexandria	37.07	85	P	P	17 09 21.8	+0.3	HDIL	Hopedale	43.86	85	P	P	17 10 17.3	-0.4	OXF	Oxford	48.41	91	P	P	17 10 54.1	+0.5
D36A	Goodland	37.20	81	P	P	17 09 22.5	-0.1	S39A	Bolivar	43.95	92	P	P	17 10 17.4	-1.1	OXF	Oxford	48.41	91	eP	P	17 10 54.3	+0.7
C37A	Embarrass	37.32	80	P	P	17 09 22.9	-0.7	T38A	Diamond	43.96	93	P	P	17 10 17.9	-0.6	W46A	Nolan	48.46	90	P	P	17 10 53.9	0.0
F35A	Swanville	37.38	84	P	P	17 09 24.1	0.0	R40A	Maddies Statio	44.04	90	P	P	17 10 18.5	-0.6	R51A	Hillsboro	48.47	83	P	P	17 10 53.7	-0.3
EYMN	Ely	37.53	79	P	P	17 09 25.3	-0.1	TUL1	Leonard	44.06	95	P	P	17 10 19.0	-0.4	X45A	UM Field Stati	48.49	91	P	P	17 10 53.5	-0.7
D37A	Cotton	37.58	81	P	P	17 09 25.9	0.0	Q41A	Truxton	44.07	89	P	P	17 10 19.0	-0.3	Z43A	Armstrong Fami	48.50	94	P	P	17 10 53.4	-0.8
E36A	McGregor	37.60	82	P	P	17 09 26.8	+0.9	N44A	Piper City	44.27	84	P	P	17 10 21.1	+0.1	S50A	Richmond	48.52	84	P	P	17 10 52.8	-1.6
SDCO	Great Sand Dun	37.73	103	P	P	17 09 29.2	+1.7	P43A	Skaggs, Pawnee	44.43	86	P	P	17 10 22.2	0.0	U49A	Red Boiling Sp	48.72	86	P	P	17 10 56.2	+0.3
SDCO	Great Sand Dun	37.73	103	eP	P	17 09 29.6	+2.1	T39A	Cleaver	44.43	92	P	P	17 10 21.9	-0.4	W47A	Westpoint	48.77	89	P	P	17 10 56.8	+0.5
ECSD	EROS Data Cent	37.81	88	P	P	17 09 27.2	-0.6	S40A	Lebanon	44.44	91	P	P	17 10 22.3	-0.1	V48A	Smith Brothers	48.78	88	P	P	17 10 56.4	0.0
F36A	Milaca	37.81	83	P	P	17 09 29.3	+0.7	Q42A	Golden Eagle	44.45	88	P	P	17 10 22.4	0.0	X46A	Booneville	48.80	90	P	P	17 10 57.1	+0.5
G36A	St. Michael	38.22	84	P	P	17 09 31.8	+0.6	SCHO	Scherville	44.48	56	LR	LR	17 31 42.2		T50A	Nancy	48.81	85	P	P	17 10 56.7	+0.1
E38A	The Farm, Brul	38.40	81	P	P	17 09 32.2	-0.5	R41A	Rosebud	44.49	89	P	P	17 10 21.9	-0.8	Y46A	Houston	49.19	91	P	P	17 11 00.2	+0.6
F37A	Hinrichs Farm,	38.46	83	P	P	17 09 33.3	+0.7	N45A	Kentland	44.55	84	P	P	17 10 22.8	-0.4	W48A	Pulaski	49.19	88	P	P	17 10 59.3	-0.3
H36A	Jessenland, He	38.59	85	P	P	17 09 33.2	-1.2	ABTX	Abilene, Hawle	44.70	102	P	P	17 10 24.8	+0.3	X47A	Brassfield	49.20	90	P	P	17 11 02.2	+0.5
F38A	Pierce - Schro	38.68	82	P	P	17 09 34.2	-0.9	CCM	Cathedral Cave	44.74	89	P	P	17 10 23.7	-1.1	V49A	McMinville	49.23	87	P	P	17 10 59.2	-0.7
BGNE	Belgrade	38.70	92	P	P	17 09 36.2	+0.8	S41A	Jilco Farms,	44.84	90	P	P	17 10 24.7	-0.8	U50A	Jamestown	49.27	85	P	P	17 10 59.5	-0.7
C40A	Isle Royale Na	38.72	77	P	P	17 09 35.6	+0.2	Q43A	New Douglas	44.86	87	P	P	17 10 25.3	-0.4	T51A	Gray	49.30	84	P	P	17 10 59.9	-0.5
T25A	Trinidad	38.74	102	P	P	17 09 36.8	+0.8	U39A	Green Forest	44.88	93	P	P	17 10 25.4	-0.4	BINY	Binghamton	49.33	74	P	P	17 11 00.1	-0.4
I36A	Fitzsimmons Fa	38.84	86	P	P	17 09 36.1	-1.2	O45A	Potomac	44.89	84	P	P	17 10 25.7	-0.3	W49A	Belvidere	49.55	88	P	P	17 11 01.8	-0.5
H37A	Dierke Farm, C	39.10	84	P	P	17 09 37.6	-1.0	P44A	Sand Creek, Wi	45.02	86	P	P	17 10 26.5	-0.4	SSPA	Standing Stone	49.56	76	P	P	17 11 01.5	-0.8
F39A	Loretta	39.19	81	P	P	17 09 39.7	+0.3	SFIN	Lafayette	45.11	84	P	P	17 10 26.9	-0.7	X48A	Hartselle	49.67	89	P	P	17 11 01.7	-1.5
G38A	Ridgeand	39.23	83	P	P	17 09 39.5	-0.3	S42A	Caledonia	45.19	89	P	P	17 10 27.5	-0.8	Y47A	UCPARC, Winfie	49.69	90	P	P	17 11 02.7	-0.7
I37A	Lemond, Waseca	39.26	85	P	P	17 09 40.5	+0.6	V39A	Pettigrew	45.21	93	P	P	17 10 28.3	-0.3	244A	Acery, Jackson	49.71	94	P	P	17 11 03.4	-0.1
J36A	Seneca 1, Swea	39.26	87	P	P	17 09 40.0	0.0	U40A	Yellville	45.22	92	P	P	17 10 28.3	-0.3	LBNH	Lisbon	49.77	69	P	P	17 11 03.7	-0.2
H38A	Maiden Rock	39.36	84	P	P	17 09 41.2	+0.4	Q44A	Meyer Farm, Va	45.24	87	P	P	17 10 28.5	-0.2	TZTN	Tazewell	49.83	84	P	P	17 11 04.4	-0.1
TASM	ASL Pad, Albuq	39.46	107	P	P	17 09 42.7	+0.8	R43A	Red Bud														

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like 253A Monticello, KSRS Korea Array, KSAR Wonju Array, etc.

Table with columns: DRZ Dome Shelter, DRZ Dome Shelter, DVHZ Dannevirke, etc. Includes station codes and names.

Table with columns: SSUB, PLONS, PLONS/GS, etc. Includes station codes and names like SSUB, PLONS, etc.

MEX 19 17:11:03.2, 0.8, 16.68N, 99.87W, h15km, 12km, MD3.9.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAIG El Cayaco, CAIG Mezcaltitl, etc.

NEIC 19 17:34:39.1±0.0, 40.56S, 173.34E, h3km, ML4.1(WEL).

WEL 19 17:34:39.6, 41°S, 173°E, h12km, ML4.2/27, Cook Strait

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DUWZ D'Urville Isla, DUWZ D'Urville Isla, etc.

MAN 19 17:56:13.7, 11.38N, 125.97E, h6km, mb4.5, ML3.3, MS3.1, 1D, Samar

Table with columns: CODE, Station Name, Az, Phase ID, Time, Res. Includes stations like BESP Borongan, BLP Palo, etc.

ZUR 19 18:10:58.6, 47°11'N, 9°56'E, h2km, 2km, ML2.0/10

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CSEM 19 18:10:59.2, ROM 19 18:10:59.6, etc.

VIE 19 18:10:59.1, 0.3, 47°11'N, 9°57'E, h9km, 3km, mb 1.8/8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BGR 19 18:10:59.5, LDG 19 18:10:59.3, etc.

CDF Champ du Feu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CDF Champ du Feu, HAU Hadompre, etc.

ISCJB 19 21:39:25.71.4.23:86N:01:05:126:05E:01.04, h25km, 10km, mb3.9/1A, MS3.9/9, Error ellipse: s-maj=8.9km, s-min=5.7km az=177.2

JMA 19 21:39:26.4.0.2.23:89N:126:05E, h72km, M3.7

NEIC 19 21:39:29.7.0.8.24:04N:125:96E, h35km, mb4.1/2, Error ellipse: s-maj=17.5km, s-min=14.6km az=147.0

ISC 19 21:39:24.7.2.1.23:30N:07:126:08E:0.04, h8km, 12km, n48, c154/47, mb4.0/1A, MS3.2/9, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JOGS, JMJJ, JIRB, JIKM, etc.

ISCJB 19 21:46:56.7.0.4.50:19N:01:03:18:88E:0.03, h0km, Error ellipse: s-maj=4.1km, s-min=2.6km az=2.5

CSEM 19 21:46:56.9.0.4.50:28N:18:96E, h2km, ML2.5/6, Error ellipse: s-maj=14.2km, s-min=4.9km az=11.0

PRU 19 21:46:57.6.50:22N:18:97E, h0km

WAR 19 21:46:58.2.50:24N:18:97E, h1km, Mw2.6

ISC 19 21:46:57.3.0.8.50:16N:01:03:18:96E:0.02, h0km, n35, c872/67, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CHZP, CHZF, OJCW, etc.

Table with columns: UPC, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like UPICE, MORAVSKY, CERVENICA-DUBN, etc.

ISCJB 19 21:48:41.0.1.0.1:6N:02:99:55E:0.3, h166km, mb3.8/11, Error ellipse: s-maj=4.1km, s-min=14.9km az=147.4

IDC 19 21:48:43.2.12.0.1:53N:01:45E: h172km, 109km, mb3.9/11, mb1.3/6/12, mb1mx3.3/65, mbtmp0.0/12, Error ellipse: s-maj=77.3km, s-min=14.1km az=57.0

ISC 19 21:48:42.5.1.2.1:5N:02:99:55E:0.3, h166km, n12, c0562/12, mb3.8/11, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CMAR, WARRAMUNGA ARR, ASAR, etc.

SOME 19 22:03:54.2.42:27N:79:52E, h5km

KRNET 19 22:03:55.0.1.42:23N:79:55E, h20km, mb4.0

NINC 19 22:03:56.6.0.9.42:34N:79:54E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=7.5km, s-min=3.4km az=120.0

ISC 19 22:03:55.7.1.6.42:34N:01:05:79:48E:0.04, h2km, 10km, n51, c1511/97, 22C-26D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PRZ, SHLS, PDGK, SATY, ZHN, etc.

Table with columns: KNCD, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AAA, IZV, ARXS, CHHK, etc.

IDC 19 22:49:56.9.1.3.5:17N:94:22E, h0km, mb3.9/9, mb1.4/0/10, mb1mx3.7/65, mbtmp3.9/10, ML4.1/1, Error ellipse: s-maj=56.0km, s-min=19.6km az=57.0

NEIC 19 22:49:58.3.3.5:15N:94:21E, h14km, 22km, mb4.3/2, Error ellipse: s-maj=10.7km, s-min=7.3km az=75.0

ISCJB 19 22:49:59.7.0.6.5:15N:07:94:22E:0.1, h34km, mb4.0/11, Error ellipse: s-maj=15.6km, s-min=10.2km az=162.9

ISC 19 22:50:01.5.0.8.5:2N:01:94:22E:0.1, h34km, n19, c871/16, mb4.0/11, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PALK, CMAR, CHTO, etc.

MDJ	comp=E,5um,16.1s	LR	LR			SSE	comp=Z,19nm,0.7s	pmx	pmx		XAN	comp=Z,3um,16.7s	LR	LR			
MDJ	comp=E,5um,16.1s	LR	LR			SSE	comp=Z,19nm,0.7s	pmx	pmx		XAN	comp=Z,3um,16.7s	LR	LR			
MDJ	comp=E,8um,13.8s					SSE	comp=Z,240nm,5.8s				OZH	comp=Z,4um,16.7s					
MDJ	comp=E,30nm,0.9s	18.64 266	eP	P	03 44 26.3	-1.9	ULN	ULN	ULN	32.03 286	eP	P	03 46 38.3	+1.2			
YAK	comp=E,5um,18.4s,baz=91,slow=39	19.44 321	LR	LR	03 52 39.5		ULN	ULN	ULN	32.03 286	eP	P	03 46 35.8	-1.3			
YAK	comp=E,5um,18.4s,baz=91,slow=39	19.44 321	eP	Pn	03 44 38.9	+0.9	ULN	ULN	ULN	32.03 286	eP	P	03 46 38.3	+1.2			
YAK	comp=E,143nm,0.8s	19.44 321	eP	Pn	03 44 37.7	-3.1	ULN	ULN	ULN	32.03 286	eP	P	03 46 38.3	+1.2			
YAK	comp=E,81nm,0.9s						COLD	COLD	COLD	32.11 36	eP	P	03 46 35.6	-1.8			
YAK	comp=N,23nm,1.5s						HHC	HHC	HHC	32.16 272	eP	P	03 46 38.1	-0.1			
YAK	comp=E,47nm,1.3s						HHC	HHC	HHC	32.16 272	eP	P	03 46 49.3	+3.6			
YAK	comp=Z,305nm,1.8s						HHC	HHC	HHC	32.16 272	eP	P	03 47 49.6	-1.2			
YAK	comp=N,170nm,1.9s						HHC	HHC	HHC	32.16 272	eP	P	03 51 47.4	-2.7			
YAK	comp=E,341nm,1.9s						HHC	HHC	HHC	32.16 272	eP	P	03 52 03.1	+4.2			
YAK	comp=Z,6um,15.0s						HHC	HHC	HHC	32.16 272	eP	P	03 46 38.1	-0.1			
YAK	comp=N,4um,14.0s						HHC	HHC	HHC	32.16 272	eP	P	03 46 49.3	+3.6			
YAK	comp=N,4um,14.0s						HHC	HHC	HHC	32.16 272	eP	P	03 47 49.6	-1.2			
INU	comp=E,3um,14.0s	19.74 232	eP	P	03 44 39.2	-1.1	BWN	BWN	BWN	32.20 42	eP	P	03 46 41.7	+3.5			
JHJ	comp=E,534nm,18.0s	20.21 223	LR	LR	03 55 03.9		IRK	IRK	IRK	32.34 295	eP	P	03 46 37.1	-2.5			
CN2	comp=E,30nm,1.1s	21.69 267	eP	S	03 45 00.8	-0.5	IRK	IRK	IRK	32.34 295	eP	P	03 47 47.9	+1.9			
CN2	comp=E,200nm,10.0s						PMR	PMR	PMR	32.40 47	eP	P	03 46 44.1	+4.2			
CN2	comp=E,6um,16.0s						PMR	PMR	PMR	32.40 47	eP	P	03 46 44.1	+4.2			
CN2	comp=E,3um,16.0s						MCK	MCK	MCK	32.43 43	eP	P	03 46 44.9	+4.6			
CN2	comp=E,6um,16.0s						MCK	MCK	MCK	32.43 43	eP	P	03 46 44.9	+4.6			
GAMB	comp=E,5um,16.0s	22.60 38	eP	P	03 45 17.7	+6.9	SOMN	SOMN	SOMN	32.45 287	P	P	03 46 37.0	-3.7			
KSR5	comp=E,58nm,1.1s	23.50 250	P	P	03 45 18.9	-1.4	SOMN	SOMN	SOMN	32.45 287	P	P	03 46 37.0	-3.7			
KSR5	comp=E,20nm,0.8s,baz=45,slow=9.9,SNR=17	23.50 250	P	P	03 45 18.9	-1.4	TOLK	TOLK	TOLK	32.53 34	P	P	03 46 38.6	-2.6			
KSR5	comp=E,4um,19.0s,baz=61,slow=36	23.50 251	eP	P	03 45 19.0	-1.3	TOLK	TOLK	TOLK	32.53 34	P	P	03 46 39.5	-1.6			
KS01	comp=E,5um,16.0s	23.50 251	eP	P	03 45 19.0	-1.3	NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 43.3	+0.7			
KS01	comp=E,5um,16.0s	23.50 251	eP	P	03 45 19.0	-1.3	NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 52.3	+2.3			
KS15	comp=E,5um,16.0s	23.53 250	eP	P	03 45 20.0	-0.7	NJ2	NJ2	NJ2	32.66 252	eP	P	03 52 01.0	+3.2			
KSAR	comp=E,5um,16.0s	23.53 250	eP	P	03 45 18.9	-1.7	NJ2	NJ2	NJ2	32.66 252	eP	P	03 52 09.3	+2.7			
KSAR	comp=E,5um,16.0s	23.53 250	eP	P	03 45 18.9	-1.7	NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 43.3	+0.7			
HIA	comp=E,22nm,0.6s	23.58 284	eP	P	03 45 18.1	-3.0	NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 52.3	+2.3			
HIA	comp=Z,7um,19.0s						NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 52.3	+2.3			
HIA	comp=Z,22nm,0.6s	23.58 284	eP	P	03 45 18.1	-3.0	NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 52.3	+2.3			
HIA	comp=Z,7um,19.0s						NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 52.3	+2.3			
HIA	comp=Z,22nm,0.6s						NJ2	NJ2	NJ2	32.66 252	eP	P	03 46 52.3	+2.3			
INCN	comp=Z,7um,19.0s	24.28 252	eP	P	03 45 26.9	-0.9	MDM	MDM	MDM	32.75 41	eP	P	03 46 42.6	-0.7			
INCN	comp=Z,4um,20.0s	24.28 252	P	P	03 45 30.8	+3.1	MDM	MDM	MDM	32.75 41	eP	P	03 46 42.6	-0.7			
INCN	comp=Z,4um,20.0s	24.28 252	eP	P	03 45 26.9	-0.9	SML	SML	SML	32.77 46	eP	P	03 46 42.6	-0.7			
INCN	comp=Z,4um,20.0s	24.28 252	eP	P	03 45 26.9	-0.9	SML	SML	SML	32.77 46	eP	P	03 46 42.6	-0.7			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			
TJN	comp=Z,4um,20.0s	24.53 249	eP	P	03 45 28.3	-1.7	WRH	WRH	WRH	32.80 41	eP	P	03 46 41.6	-1.9			

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ARVC, DUG, MPMC, KSM, SCZ2, BW06, PD31, PDAR, FURC, TPNV, TCUT, OSI, CTU, LRM, EDW2, JLU, PSUT, NLU, DECC, SFJD, SHOC, MWC, MWC, GSC, GSC, GSC, FIA1, FINES, KAPI, SHRP, BFSC, CIS, TUQ, KBL, KBL, CCUT, MSU, TMUT, HEC, BBRO, SZCU, MNDN, ULM, ULM, ULM, MTPU, K22A, K22A, P18A, MURC, LCMT, GMRC, SRU, SRU, LDFC, RWWY, RSSD, RSSD, RSSD, KNB, KNB, PKCU, FRD, PFO, PFO, BELC, 109C, NEE2.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like O20A, IRM, OBN, BAR, MONP2, BC3, SWSC, AGMN, AGMN, IKP, PDMCI, PV09, PV21, VSU, VSU, MVKOM, PV23, N23A, N23A, Y12C, Y12C, PV14, PV22, PV20, PV19, PV17, PV16, PV11, PV18, B34A, PV03, GLA, GLA, PV02, VRH, VRH, SMCO, WUAZ, WUAZ, WUAZ, B35A, ISCO, ISCO, ISCO, C35A, MVCO, MVCO, NC405, BORG, BORG, BORG, NC204, VSR, VSR, NB201, D35A, NB2, NOA, C36A, VORD, VORD, S22A, S22A, E35A, G33A, H32A, HFS, HFS, HFS, HFS, D36A, C37A, W18A, F34A, EYMN, EYMN, EYMN, PSI, PSI, PSI, OGNE.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OGNE, GEYT, G34A, F35A, D37A, 214A, C38A, E36A, SDCO, SDCO, SDCO, ISAL, ISAL, IDID, IDID, F36A, G35A, G35A, IIGN, IIGN, ECSD, ECSD, ECSD, H35A, E38A, E38A, C40A, IVI, TUC, TUC, TUC, TUC, F38A, H36A, SPMN, SPMN, T25A, T25A, E39A, BGNE, F39A, E40A, TASM, ANMO, ANMO, ANMO, ANMO, ANMO, TASL, H37A, G38A, MAK, MAK, MAK, D41A, HYB, AFI, I37A, I37A, H38A, F40A, J36A, J36A, G39A, E41A, COWI, COWI, GOF, GOF, J37A, H39A, I38A, GROC, GROC, GROC, G40A, G40A, K36A, CTAO, CTAO, E42A, F41A, F41A, CBKS, CBKS, CBKS, CBKS.

20d 3h

2012 JUL

Table with columns: CBKS, comp-Z, 20d, 3h, MLR, MLR, DZM, Mont Dzumac, 71.62 170 eS, S, 04 00 48.5 -2.0, EKA, comp-Z, 357nm, 18.3s, baz=10.0, slow=38, LR, LR, 04 27 21.8

Table with columns: DZM, Mont Dzumac, 71.62 170 eLR, LR, 04 13 26.7, Q42A, Golden Eagle, 74.33 48 P, P, 03 51 47.8 -0.1, ESK, Eszkaleimur, 74.34 348 eP, P, 03 51 45.8 -1.9, ESK, Eszkaleimur, 74.34 348 eP, Pmax, Pmax, 03 51 45.8 -1.9, ESK, Eszkaleimur, 74.34 348 eP, Pmax, Pmax, 03 51 45.8 -1.9

Table with columns: EKA, comp-Z, 357nm, 18.3s, baz=10.0, slow=38, LR, LR, 04 27 21.8, Q42A, Golden Eagle, 74.33 48 P, P, 03 51 47.8 -0.1, ESK, Eszkaleimur, 74.34 348 eP, P, 03 51 45.8 -1.9, ESK, Eszkaleimur, 74.34 348 eP, Pmax, Pmax, 03 51 45.8 -1.9, ESK, Eszkaleimur, 74.34 348 eP, Pmax, Pmax, 03 51 45.8 -1.9

20d 3h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BORA, 47A, Y46A, etc.

2012 JUL

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Y51A, AKHS, MANT, etc.

958

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like RAYN, IDI, 657A, etc.

CSEM 20:03:40:48.5:0.7:41:85N-20:09E,h20km,ML2.4, Error ellipso: s-maj=24.0km s-min=14.1km az=40.0 TIR 20:03:40:46.9:41:81N-20:08E,h20km,Md2.4, Albania Code Station Name A° AZ° Phase ID Time Res

OHR	KRUS	Krusevo	0.98 116	eSn	Sn	03 41 17.5 +1.0
KRUS	KRUS	Krusevo	0.98 116	ePn	Pn	03 41 05.6 0.0
KRUS	KRUS	Krusevo	0.98 116	eSb	Sb	03 41 19.4 +0.5
HCV	Herceg Novi	1.34 299	ePn	Pn	03 41 12.3 +1.0	
TREB	Trebinje	1.57 306	ePn	Pn	03 41 15.2 0.0	
BRV	Bratogost	1.58 314	ePn	Pn	03 41 16.8 +1.3	
STIP	Stip	1.58 319	ePn	Pn	03 41 16.4 +1.1	
UPM	Unac-Piva	1.64 328	ePn	Pn	03 41 19.4 +2.9	
STON	Ston	2.06 302	ePn	Pn	03 41 24.2 +0.7	
STON	Ston	2.06 302	eSb	Sb	03 41 55.8 +7.2	
STON	Ston	2.06 302	ePn	Pn	03 41 23.6 +0.1	

SJA 20 03:40:49.6:0.4, 29°30'S:72°90'W, h33km, 48km, ML3.0, MW3.8, Off coast of central Chile

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
ROC1	EI Roble	3.46 153	iP	03 41 43.7 +2.3	ISC
ROC1	EI Roble	3.46 153	iS	03 42 23.7 +2.4	ISC
AUSP	Uspallata	3.80 128	ePn	03 41 48.2 +2.2	ISC
AGUA	GUANDACOL	3.85 85	iP	03 41 48.7 +2.0	ISC
AMOG	MOGNA	3.94 106	iP	03 41 49.8 +1.9	ISC
RTVC	Cerro Valdivia	4.22 119	iP	03 41 53.7 +2.0	ISC
VCA	Vinchina	4.26 75	ePn	03 41 54.1 +1.9	ISC
VCA	Vinchina	4.26 75	iPn	03 41 56.5	IAML

ISC 20 03:44:06.1:0.6, 49°28'N:156°21'E, h0km, mb4.3/23, mb1 4.5/26, mb1mx4.3/70, mbtmp4.3/26, ML5.0/2, Error ellipse: s-maj=16.5km s-min=13.4km az=139.0

NEIC 20 03:44:07.7:0.3, 49°29'N:156°22'E, h10km, mb4.6/8, Error ellipse: s-maj=10.0km s-min=5.4km az=145.0

ISCJB 20 03:44:09.4:0.6, 49°13'N:0°05'-156°36'E:0.0, h40km, 5km, mb4.4/36, Error ellipse: s-maj=10.8km s-min=4.1km az=41.3

KRSC 20 03:44:09.5:2.3, 49°16'N:157°21'E, h42km, 40km, ML5.0 MOS 20 03:44:09.8:1.3, 49°17'N:156°33'E, h45km, mb4.6/25, Error ellipse: s-maj=10.8km s-min=3.8km az=76.4

SKHL 20 03:44:09.4:0.0, 49°00'N:156°50'E, h43km, 6km, mb5.3/5, ISC 20 03:44:10.1:1.2, 49°10'N:0°06'-156°49'E:0.06, h34km, 3km, n155, r150/171, mb4.5/50, 5C-4D, Kuril Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
SKR	Severo-Kuril's	1.60 351	eP	03 44 36.0 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 37.0	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.0 -3.0	ISC
SKR	Severo-Kuril's	1.60 351	eS	03 44 58.0	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.1 +0.1	ISC
SKR	Severo-Kuril's	1.60 351	eSb	03 44 56.3 -2.7	ISC
SKR	Severo-Kuril's	1.60 351	ePn	03 44 36.2 +0.1	

Table with columns: GIVF, Givet, 5.29 48 ePn, Pn, 04 26 03.5 +1.1, etc. Includes stations like Givet, Oris-en-Rattie, Haudompere, etc.

ISCJB 20 04:29:45.0±0.5, 40.89N, 01:02:31.75E±0.02, h1km, 4km, Error ellipse: s-maj=3.9km s-min=2.8km az=6.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like MDUB, BTAS, CAMDR, etc.

ISC 20 04:29:46.1±1.1, 40.88N, 01:02:31.77E±0.02, h8km, 9km, n116, e080/137, 3C-80, Turkey

Large table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like MDUB, BTAS, CAMDR, SAHE, etc.

Table with columns: COAL, Corum-Alaca, 2.53 103 i P, Pn, 04 30 27.8 +0.3, etc. Includes stations like KCTX, CTYL, BAGO, etc.

NEIC 20 04:42:37.4±0.0, 16.26N, 98.51W, h15km, MD4.0(MEX), After MEX

MEX 20 04:42:36.9±0.4, 16.30N, 98.51W, h6km, 3km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PNIG, TLIG, ALIG, etc.

IDC 20 05:07:04.7±1.3, 52.09N, 160.41E, h0km, mb3.3/4, mb1.3/7.4, mb1mx3.3/6, mbtmp3.3/4, MS3.0/1, s-min=29.0km Error ellipse: s-maj=46.1km s-min=29.0km az=151.0, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like ILAR, GUMO, MKAR, TXAR, WRA, etc.

MEX 20 05:22:20.9±0.6, 16.54N, 98.43W, h7km, 6km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PNIG, TLIG, VHO, MEIG, etc.

IDC 20 05:51:18.1±4.5, 6.58S, 149.18E, h103km, 41km, mb3.3/2, mb1.3/8.4, mb1mx3.2/4.5, mbtmp3.9/4, Error ellipse: s-maj=113.8km s-min=37.7km az=127.0, New Britain region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PMG, WRA, ILAR, etc.

KRSC 20 06:10:21.6±2.3, 49.102N, 156.156E, h53km, 30km, ML6.4

IDC 20 06:10:21.0±4.9, 35N, 156.01E, h0km, mb5.5/37, mb1.5/4.0, mb1mx5.6/6.6, mbtmp5.4/4.0, ML4.5, MS5.7/6.9, Mb1.5/7.69, ms1mx5.7/7.2, Error ellipse: s-maj=11.1km s-min=9.2km az=109.0

BUI 20 06:10:21.2, 49.44N, 156.16E, h12km, mb5.8/83, mb5.9/68, Ms6.2/94, Ms7.6/281

GCMT 20 06:10:25.2±0.1, 49.22N, 156.41E, h27km, MW6.0/142, Moment Tensor Solution. s132, c312, s142, c486, Duration: 2/4 Moment tensor: Scale 10^19Nm; Mr:0.93±0.1, Mw:0.29±0.1, Ms:0.63±0.1, Mo:0.43±0.1; Ms:0.47±0.0; Mw:0.47±0.0; Ms:0.63±0.0; Mo:0.43±0.1; Ms:1.23800±0.18 NP1:33.00000; 865.00000; 1.89.00000; NP2:32.210000; 825.00000; 1.93.00000; Principal axes: T 1.2210, Plg6.0000, Azm30.0000; N 0.0350, Plg1.0000, Azm34.0000; P -1.2550, Plg2.0000, Azm124.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 20 06:10:25.0±0.9, 15N, 156.23E, h23km, Best double couple: NP1:32.280000; 871.00000; 1.84.00000; NP2:32.220000; 820.00000; 1.108.00000; Principal axes: T 1.1800, Plg6.0000, Azm288.0000; N -0.1000, Plg6.0000, Azm30.0000; P -1.0800, Plg26.0000; Azm123.0000

NEIC 20 06:10:25.0±1.1, 49.141N, 155.91E, h19km, mb5.7/298, ME6.0, MS5.7/298, MW5.9, MW6.1, MW6.0 Error ellipse: s-maj=2.7km s-min=1.4km az=157.0, Moment Tensor Solution. s10 Moment tensor: Scale 10^17Nm; Mr:5.60; Mw:0.98; Ms:4.62; Mo:4.24; Ms:2.62; Ms:4.86; Best double couple: Ms:7.00000; 1017 NP1:39.1700000; 822.00000; 1.70.00000; NP2:38.00000; 869.00000; 1.98.00000; Principal axes: T 8.5800, Plg65.0000; Azm321.0000; N 0.1900, Plg7.0000, Azm215.0000; P

-8.7700, Plg24.0000; Azm122.0000; Broadband fault plane solution: P waves. NP1:32.2100000; 812.00000; 1.90.00000; NP2:33.00000; 878.00000; 1.90.00000; Principal axes: T Plg57.0000; Azm30.0000; N Plg0.0000; Azm0.0000; P Plg33.0000; Azm120.0000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. ISCJB 20 06:10:25.0±0.3, 49.30N, 156.08E±0.02, h40km, 2km, mb5.7/705, MS5.8/702 Error ellipse: s-maj=2.9km s-min=1.5km az=163.7

SKHL 20 06:10:26.9±0.9, 49.141N, 156.31E, h69km, 6km, mb6.6/3, msb6.4/2, msb6.1/7, msb6.4/1 SKHL Felt (V-V) at Severo-Kurilsk.

MOS 20 06:10:26.9±1.1, 49.39N, 155.94E, h47km, mb6.0/117, MS5.9/123 Error ellipse: s-maj=5.6km s-min=2.6km az=81.6 Broadband fault plane solution: P waves. Mw:2.00000x10^18 NP1:32.00000; 871.00000; 1.86.00000; NP2:32.224.00000; 820.00000; 1.101.00000; Principal axes: T Plg64.0000; Azm296.0000; N Plg4.0000; Azm34.0000; P Plg26.0000; Azm125.0000; MOS Fault plane solution: P-wave C204, D29. Felt (V-V) at Severo-Kurilsk

NEIC 20 06:10:32.7±0.0, 49.53N, 156.72E, h36km, Moment Tensor Solution. s22 Moment tensor: Scale 10^18Nm; Mr:0.99; Mw:0.51; Ms:0.48; Mo:0.17; Mw:0.49; Ms:1.06; Best double couple: Ms:1.50000, 1018 NP1:32.243.00000; 827.00000; 1.128.00000; NP2:32.21.00000; 869.00000; 1.73.00000; Principal axes: T 1.5500, Plg62.0000; Azm265.0000; N -0.2000, Plg16.0000; Azm28.0000; P -1.3500, Plg22.0000; Azm124.0000;

ISC 20 06:10:27.3±0.3, 49.25N, 156.11E±0.03, h38km±1km, h38km; pp-P, n2456, e1550/2454, mb5.7/745, MS5.8/733, 215C-49D, Kuril Islands

Large table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like SKR, PAU, KDR, etc.

20d 6h

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNR=4, etc.).

2012 JUL

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNR=4, etc.).

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Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, SNR=4, etc.).

XPFO	Pizeon Flat	63.85	68	eP	P	06 20 55.9	-0.1
XPFO	comp=Z,6um,21.0s						
XPFO	comp=Z,29nm,1.2s						
BEJC	Belle Mtn. Jos	63.87	68	P	P	06 20 55.9	-0.2
BEJC	comp=Z,6um,21.0s						
BEJC	baz=314,SNR=14						
PBA	Port Blair	63.93	257	PFAKE	P	06 21 10.0	+13
PBA	comp=Z,9um,19.0s						
KULM	Kulim	63.95	246	eP	P	06 20 57.3	+0.7
KULM	comp=Z,250nm,1.1s						
KULM	Kulim	63.95	246	P	P	06 21 01.0	+4.4
KULM	comp=Z,4um,20.0s						
109C	Camp Elliot, M	63.95	69	P	P	06 20 56.3	-0.1
109C	baz=314						
CPE	Camp Elliot	63.95	69	eP	P	06 20 58.1	+1.7
CPE	comp=Z,95nm,1.6s						
COEN	Coen	63.96	194	eP	P	06 20 57.5	+1.0
COEN	comp=Z,42nm,0.8s						
NEE2	Needles Airpor	64.17	66	P	P	06 20 57.7	-0.2
NEE2	baz=314						
O20A	White River Ci	64.18	58	P	P	06 20 57.3	-0.9
O20A	baz=31,SNR=21						
O20A	White River Ci	64.18	58	eP	P	06 20 58.1	0.0
O20A	comp=Z,82nm,1.4s						
IRM	Iron Mountain	64.27	67	P	P	06 20 58.5	-0.1
IRM	baz=314,SNR=28						
BAR	Barrett	64.36	69	eP	P	06 20 59.7	+0.5
BAR	comp=Z,85nm,1.8s						
MONP2	Monument Peak	64.37	69	P	P	06 20 58.8	-0.7
MONP2	baz=314						
OBN	Obninsk	64.37	326	eP	P	06 20 56.8	-2.0
OBN	comp=Z,146nm,1.0s						
OBN	Obninsk	64.37	326	eP	P	06 20 56.9	-2.0
OBN	comp=Z,13um,18.0s						
OBN	Obninsk	64.37	326	iP	P	06 20 57.1	-1.7
OBN	comp=Z,13um,18.0s						
OBN	Obninsk	64.37	326	iP	P	06 21 00.0	+5.4
OBN	comp=Z,146nm,1.0s						
OBN	Obninsk	64.37	326	iP	P	06 21 01.0	+0.3
OBN	comp=Z,149nm,1.0s						
IPM	Iph	64.37	245	eP	P	06 20 59.7	+0.2
IPM	comp=Z,12um,17.0s						
IPM	comp=Z,144nm,1.1s						
BC3	Big Chukawall	64.43	68	P	P	06 20 59.6	-0.2
BC3	baz=314,SNR=11						
A33A	Warroad	64.48	44	P	P	06 20 58.9	-0.8
A33A	baz=317,SNR=15						
CHLP	Challavanieta	64.54	269	eP	IAMB	06 21 01.2	+0.7
CHLP	comp=Z,316nm,1.2s						
CHLP	Challavanieta	64.54	269	eP	IAMB	06 21 01.0	+0.7
CHLP	comp=Z,316nm,1.2s						
CHLP	Challavanieta	64.54	269	eP	IAMB	06 21 01.7	+0.3
CHLP	comp=Z,316nm,1.2s						
TBLU	Trondheim	64.64	344	eP	P	06 20 59.7	-0.8
TBLU	comp=Z,2um,13.0s						
SWSC	Sam W. Stewart	64.71	68	P	P	06 21 01.7	+0.3
SWSC	baz=314						
IKP	In-Ko-Pah, Jac	64.72	69	P	P	06 21 00.8	-0.8
IKP	baz=314						
AGMN	Agassiz Nation	64.73	45	P	P	06 21 01.0	-0.4
AGMN	baz=317,SNR=21						
AGMN	Agassiz Nation	64.73	45	eP	P	06 21 01.4	+0.2
AGMN	comp=Z,89nm,1.1s						
PDMCI	Parker Dam,Lak	64.78	66	P	P	06 21 01.7	-0.1
PDMCI	baz=314,SNR=12						
PV09	Paradox Valley	64.81	60	eP	P	06 21 04.2	+1.8
PV09	comp=Z,5um,20.0s						
MNRI	Mauere	64.83	218	eP	P	06 21 03.2	+1.0
MNRI	comp=Z,657nm,1.7s						
PV21	Cone Mtn., Par	64.86	60	eP	P	06 21 03.1	+0.5
PV21	comp=Z,71nm,1.1s						
PV21	Cone Mtn., Par	64.86	60	eP	P	06 21 04.4	+1.6
PV21	comp=Z,3um,22.0s						
MYKOM	Kota Tinggi	64.89	241	eP	P	06 21 06.0	+3.2
MYKOM	comp=Z,131nm,1.0s						
MYKOM	Kota Tinggi	64.89	241	P	P	06 21 04.3	+1.4
MYKOM	comp=Z,3um,21.0s						
PHWY	Pilot Hill	64.90	55	eP	P	06 21 03.2	+0.3
PHWY	comp=Z,36nm,1.3s						
VSU	Vasula	64.91	333f	eP	P	06 21 01.7	-0.6
VSU	comp=Z,2um,20.0s						
VSU	comp=Z,297nm,1.4s						
PV23	Carpenter Ridg	64.91	60	eP	P	06 21 03.5	+0.5
PV23	comp=Z,39um,18.0s						
N23A	Red Feather La	64.92	56	P	P	06 21 02.5	-0.6
N23A	baz=315,SNR=20						
N23A	Red Feather La	64.92	56	eP	P	06 21 03.3	+0.2
N23A	comp=Z,74nm,1.2s						
N23A	Red Feather La	64.92	56	P	P	06 21 02.9	0.0
N23A	comp=Z,4um,20.0s						
Y12C	Blythe	64.93	67	eP	P	06 21 03.2	+0.3
Y12C	baz=314						
Y12C	Blythe	64.93	67	eP	P	06 21 03.2	+0.3
Y12C	comp=Z,122nm,1.6s						
PV10	Paradox Valley	64.95	60	eP	P	06 21 04.3	+1.0
PV10	comp=Z,3um,20.0s						
PV14	Lion Creek, Pa	64.96	60	eP	P	06 21 03.2	-0.1
PV14	comp=Z,104nm,1.3s						
PV14	Lion Creek, Pa	64.96	60	eP	P	06 21 01.7	-0.9
PV14	comp=Z,4um,22.0s						
ANGG	Ammassalik, Gr	64.98	6	eP	P	06 21 01.7	-0.9
ANGG	comp=Z,154nm,1.4s						
ANGG	Ammassalik, Gr	64.98	6	eP	P	06 21 03.0	-0.4
ANGG	comp=Z,12um,19.0s						
PV22	Blue Mesa, Par	64.98	60	eP	P	06 21 03.0	-0.4
PV22	comp=Z,66nm,0.9s						
PV22	Blue Mesa, Par	64.98	60	eP	P	06 21 04.0	+0.4
PV22	comp=Z,4um,22.0s						
PV20	West Nyswonger	65.01	60	eP	P	06 21 04.0	+0.3
PV20	comp=Z,69nm,0.9s						
PV19	Morning Glory	65.03	60	eP	P	06 21 04.0	+0.3
PV19	comp=Z,3um,19.0s						
PV19	Morning Glory	65.03	60	eP	P	06 21 04.3	+0.4
PV19	comp=Z,90nm,1.0s						
PV17	East Wray Mesa	65.06	60	eP	P	06 21 04.3	+0.4
PV17	comp=Z,4um,22.0s						
PV17	East Wray Mesa	65.06	60	eP	P	06 21 04.2	+0.3
PV17	comp=Z,118nm,0.8s						
PV16	Nyswonger Mesa	65.06	60	eP	P	06 21 04.2	+0.3
PV16	comp=Z,4um,20.0s						
PV16	Nyswonger Mesa	65.06	60	eP	P	06 21 04.8	+0.9
PV16	comp=Z,81nm,1.0s						
SOEI	Soe	65.06	215	eP	P	06 21 04.8	+0.9
SOEI	comp=Z,3um,20.0s						
PV11	David Mesa, Pa	65.09	60	eP	P	06 21 04.5	+0.3
PV11	comp=Z,512nm,1.6s						
PV11	David Mesa, Pa	65.09	60	eP	P	06 21 04.6	+0.3
PV11	comp=Z,218nm,1.3s						
PV18	Skein Mesa, Pa	65.11	60	eP	P	06 21 04.2	+0.3
PV18	comp=Z,4um,21.0s						
PV18	Skein Mesa, Pa	65.11	60	eP	P	06 21 05.2	+0.9
PV18	comp=Z,87nm,0.9s						
PV12	Paradox Valley	65.12	60	eP	P	06 21 05.3	+1.0
PV12	comp=Z,3um,22.0s						
PV12	Saucer Basin,	65.12	60	eP	P	06 21 04.9	+0.4
PV12	comp=Z,94nm,1.0s						
PV03	Paradox Valley	65.14	60	eP	P	06 21 04.9	+0.4
PV03	comp=Z,4um,20.0s						
B34A	Aery, Baudette	65.15	44	P	P	06 21 03.1	-0.9
B34A	baz=317,SNR=16						
C33A	Trail	65.17	45	P	P	06 21 03.0	-1.2
C33A	baz=317,SNR=8.7						

PV13	Radium Mtn., P	65.22	60	eP	P	06 21 05.4	+0.4
PV13	comp=Z,109nm,1.0s						
PV13	Radium Mtn., P	65.22	60	eP	P	06 21 04.8	-0.1
PV13	comp=Z,4um,22.0s						
GLA	Glamis	65.23	68	P	P	06 21 05.9	+1.1
GLA	baz=314,SNR=7.8						
GLA	Glamis	65.23	68	eP	P	06 21 05.9	+1.1
GLA	comp=Z,125nm,1.6s						
GLA	Glamis	65.23	68	eP	P	06 21 05.9	+1.1
GLA	comp=Z,4um,22.0s						
GLA	comp=Z,125nm,1.6s						
GLA	Glamis	65.23	68	eP	P	06 21 05.9	+1.1
GLA	comp=Z,4um,22.0s						
PV02	Paradox Valley	65.24	60	eP	P	06 21 05.6	+0.5
PV02	comp=Z,52nm,0.9s						
VRH	Novokhopynsk	65.36	321	eP	P	06 21 03.4	-1.9
VRH	comp=Z,52nm,0.9s						
VRH	Novokhopynsk	65.36	321	eP	P	06 21 03.4	-1.9
VRH	comp=Z,210nm,0.7s						
VRH	Novokhopynsk	65.36	321	eP	P	06 21 03.4	-1.9
VRH	comp=Z,210nm,0.7s						
VRH	Novokhopynsk	65.36	321	eP	P	06 21 03.4	-1.9
VRH	comp=Z,230nm,0.7s						
PV01	Paradox Valley	65.38	60	eP	P	06 21 06.3	+0.2
PV01	comp=Z,11um,19.0s						
BHPL	Bhopal	65.50	278	eP	P	06 21 06.7	0.0
BHPL	comp=Z,3um,19.1s						
BHPL	Bhopal	65.50	278	eP	P	06 21 06.7	0.0
BHPL	comp=Z,3um,19.1s						
SMCO	Snowmass	65.55	58	eP	P	06 21 07.4	+0.1
SMCO	comp=Z,44nm,0.9s						
SMCO	Snowmass	65.55	58	eP	P	06 21 07.4	+0.1
SMCO	comp=Z,44nm,0.9s						
WUAZ	Wupatki	65.58	64	P	P	06 21 07.4	+0.1
WUAZ	comp=Z,3um,21.0s						
WUAZ	Wupatki	65.58	64	P	P	06 21 08.8	+1.5
WUAZ	baz=314,SNR=26						
WUAZ	Wupatki	65.58	64	P	P	06 21 08.8	+1.5
WUAZ	comp=Z,75nm,1.3s						
MTN	Manton Dam	65.64	207	eP	P	06 21 08.5	+1.0
MTN	comp=Z,6um,21.0s						
C34A	RKJ Ranch, Bem	65.64	45	P	P	06 21 06.2	-1.1
C34A	baz=317,SNR=5.4						
B35A	Bob, Littlefor	65.66	43	P	P	06 21 06.9	-0.5
B35A	comp=Z,7um,18.0s						
B35A	Bob, Littlefor	65.66	43	P	P	06 21 07.3	-0.1
B35A	comp=Z,7um,18.0s						
B35A	Bob, Littlefor	65.66	43	P	P	06 21 06.8	-0.9
B35A	comp=Z,7um,18.0s						
MOL	Molde	65.76	345	eP	P	06 21 06.8	-0.9
MOL	comp=Z,6um,21.0s						
ISCO	Idaho Springs	65.86	57	eP	P	06 21 08.5	-0.7
ISCO	comp=Z,5um,20.0s						
ISCO	Idaho Springs	65.86	57	eP	P	06 2	

CTAK	Corum Osmancik	76.65 318	iP	P	06 22 14.2	0.0
U44A	Portageville	76.65 49	P	P	06 22 12.8	-1.2
HEKM	Malatya Hekimh	76.65 315	iP	P	06 22 15.2	+0.9
UALR	University of	76.66 52	eP	P	06 22 14.3	+0.2
UALR	comp=Z,26nm,0.9s		LR	LR		
S46A	Don Dixon Farm	76.67 47	P	P	06 22 13.3	-0.8
MTUR	Matau	76.68 327	iP	P	06 22 15.2	+1.0
W42A	Bald Knob	76.69 51	P	P	06 22 12.7	-1.6
PVMO	Portageville	76.71 49	PFAKE	LR	06 22 30.0	+16
ARR	Arges	76.72 327	iP	P	06 22 15.6	+1.2
SULR	Budapest	76.72 326	iP	P	06 22 14.8	+0.5
FOEL	Foel Wyfla	76.73 332	eP	P	06 22 14.3	+0.6
FOEL	comp=Z,281nm,1.0s		IAMS_20	IAMS_20	07 02 49.3	
FRNY	Flat Rock	76.75 34	eP	P	06 22 14.5	+0.1
FRNY	comp=Z,5um,18.0s		LR	LR		
R47A	Wooly Knot Far	76.75 46	P	P	06 22 13.4	-1.1
T45A	Paducah	76.75 48	P	P	06 22 13.6	-1.0
T45A	Paducah	76.75 48	eP	P	06 22 15.3	+0.7
T45A	comp=Z,127nm,0.8s		LR	LR		
Y40A	Okolona	76.76 53	P	P	06 22 12.7	-2.0
ILGA	Ilgaz	76.78 319	iP	P	06 22 15.3	+0.3
ILGA	Ilgaz	76.78 319	eP	P	06 22 15.5	+0.5
ILGA	comp=Z,4um,19.0s		LR	LR		
V43A	Jonesboro	76.78 50	P	P	06 22 12.7	-2.1
X41A	Kaden, Bauxite	76.79 52	P	P	06 22 13.7	-1.1
ACSO	Alum Creek Sta	76.81 42	P	P	06 22 14.0	-0.8
ACSO	Alum Creek Sta	76.81 42	eP	P	06 22 15.9	+1.0
ACSO	comp=Z,64nm,0.9s		LR	LR		
DSB	Dublin	76.81 349	eP	P	06 22 13.7	-0.9
DSB	comp=Z,279nm,1.1s		LR	LR		
KHC	Kasperske Hory	76.83 336	eP	P	06 22 15.0	+0.1
KHC	KHC		eP	P	06 22 28.6	-2.2
KHC	KHC		eS	P	06 31 59.3	0.0
KHC	KHC		eS	P	06 59 50.0	0.0
KHC	Kasperske Hory	76.83 336	eP	P	06 22 14.7	-0.2
KHC	Kasperske Hory	76.83 336	eP	P	06 22 15.0	+0.1
KHC	KHC		eS	P	06 22 28.6	0.0
KHC	KHC		eS	P	06 31 59.3	0.0
BANOM	Banah	76.83 294	P	P	06 22 14.1	-1.2
BANOM	Banah	76.83 294	iP	P	06 22 14.7	-0.5
SHME	Shamm	76.83 295	iP	P	06 22 14.7	-0.6
LLW	Llanuwchllyn	76.84 348	eP	P	06 22 13.9	-0.9
ALLY	Allegheny Colle	76.86 40	eP	P	06 22 16.1	+0.9
ALLY	comp=Z,5um,20.0s		LR	LR		
DEV	Deva	76.87 328	iP	P	06 22 16.5	+1.4
MMNY	Mt. Morris Dam	76.88 38	eP	P	06 22 15.8	+0.6
MMNY	comp=Z,134nm,1.0s		LR	LR		
COAL	Corum-Alaca	76.88 318	iP	P	06 22 15.3	-0.1
CUALT	Altinyayla-SIV	76.89 316	iP	P	06 22 16.1	+0.6
GNAR	Gosnell	76.91 50	eP	P	06 22 17.3	+1.8
GNAR	comp=Z,203nm,0.9s		LR	LR		
HBAR	Harrisburg	76.91 50	eP	P	06 22 16.5	+1.0
HBAR	comp=Z,201nm,1.1s		LR	LR		
WCI	Wyandotte Cave	76.91 46	P	P	06 22 14.1	-1.4
WCI	Wyandotte Cave	76.91 46	eP	P	06 22 16.2	+0.8
WCI	Wyandotte Cave	76.91 46	eP	P	06 22 16.3	+0.8
WCI	comp=Z,155nm,0.9s		MLR	MLR		
435B	Jarrell	76.92 58	P	P	06 22 14.7	-1.0
435B	Jarrell	76.92 58	eP	P	06 22 15.5	-0.1
435B	comp=Z,18nm,0.8s		LR	LR		
BTIN	Barl-n	76.92 320	iP	P	06 22 14.1	-1.4
GRFO	Grafenberg	76.92 337	eP	P	06 22 15.3	0.0
GRFO	comp=Z,495nm,1.2s		LR	LR		
Q49A	Aurora	76.94 44	P	P	06 22 14.1	-1.6
U44B	Burton Farm, H	76.94 49	P	P	06 22 14.0	-1.7
P50A	Jamestown	76.95 43	P	P	06 22 14.6	-1.1
LOT	Lotru	76.95 328	iP	P	06 22 15.1	-0.6
IGLA	Glengowla, Co	76.97 351	eP	IAMB	06 22 15.1	-0.4
IGLA	comp=Z,323nm,1.0s		LR	LR		
R48A	Northridge Nar	76.97 45	P	P	06 22 15.0	-0.9
CUSAR	Sarkisia-SIVAS	77.00 316	iP	P	06 22 15.8	-0.4
GLAT	Glass	77.03 49	eP	P	06 22 17.4	+1.2
HLM1	Long Mynd	77.05 347	eP	IAMB	06 22 15.4	-0.7
HLM1	comp=Z,498nm,1.8s		IAMS_20	IAMS_20	07 03 06.2	
GEC2	GERESS Array S	77.05 336	eP	P	06 22 15.6	-0.6
GEC2	comp=Z,395nm,1.6s		LR	LR		
GEC2	GERESS Array S	77.05 336	eP	P	06 22 15.6	-0.6
GEC2	comp=Z,19um,20.0s		MLR	MLR		
GEC2	GERESS Array B	77.05 336	P	P	06 22 15.3	-0.9
GERES	comp=Z,23nm,0.6s,baz=34,slow=5.3,SNR=134		LR	LR	07 00 38.2	
GOLR	GERESS Array S	77.05 337	iP	P	06 22 17.8	+1.6
GEAO	Presque Isle	77.07 29	eP	P	06 22 15.5	-0.7
PQI	comp=Z,53nm,1.0s		LR	LR	06 22 16.1	-0.1
CSKK	Cs'kako	77.07 332	eP	P	06 22 17.2	+1.0
V44A	Blytheville	77.08 50	P	P	06 22 15.3	-1.2
CUGUR	Gurin, S VAS	77.09 315	iP	P	06 22 17.3	+0.6
T46A	Princeton	77.10 48	P	P	06 22 16.3	-0.2
CORM	Corum	77.10 318	eP	P	06 22 15.5	-1.2
WLAR	White Oak Lake	77.10 53	eP	P	06 22 17.1	+0.5
DARE	Darende-Malaty	77.12 315	eP	P	06 22 16.5	-0.3
S47A	Hartford	77.15 47	P	P	06 22 15.6	-1.2
HGN	Heimansgroeve	77.15 341	eP	P	06 22 16.7	+0.1
HGN	comp=Z,93nm,1.3s		ePP	PP	06 25 16.7	+6.9

HGN	ePP	PP	06 27 00.8			
HGN	eS	SS	06 32 05.7	+3.1		
HGN	eSS	SS	06 37 17.3	+18		
BEBN	Eben Emael	77.17 341	iP	P	06 22 16.9	+0.2
M54A	Oil Creek Stat	77.18 40	eP	P	06 22 16.2	-0.7
M54A	comp=Z,109nm,1.1s		LR	LR	06 22 18.0	+1.0
M54A	comp=Z,6um,19.0s		LR	LR		
UTMT	University of	77.18 49	eP	P	06 22 17.9	+0.9
CANT	Cankiri	77.19 319	eP	P	06 22 16.5	-0.6
X42A	Stuttgart	77.20 52	P	P	06 22 16.2	-0.9
MBWA	Marble Bar	77.21 215	eP	P	06 22 18.3	+1.2
SGRR	Singureni	77.21 326	iP	P	06 22 16.5	-0.6
Y41A	Eaglette Beard	77.22 53	P	P	06 22 16.7	-0.5
U45A	Rockin P Farm,	77.23 49	P	P	06 22 16.1	-1.2
YOZ	Yozgat	77.23 317	eP	P	06 22 17.1	-0.4
W43A	Forest City	77.25 51	P	P	06 22 16.7	-0.8
NCB	Newcomb	77.26 35	eP	P	06 22 17.8	+0.5
NCB	comp=Z,4um,21.0s		LR	LR		
MEM	Membach	77.28 341	iP	P	06 22 16.6	-0.7
CONA	Conrad Observa	77.28 334	iP	P	06 22 17.6	+0.1
Z40A	Long Farm, Mag	77.28 54	P	P	06 22 17.3	-0.4
HALT	Halls	77.29 49	eP	P	06 22 18.4	+0.8
HALT	comp=Z,103nm,1.0s		LR	LR		
MDH	Madha	77.29 294	iP	P	06 22 17.6	-0.2
SOP	Soprone	77.30 333	iP	P	06 22 18.5	+1.0
HUMR	Humelle	77.31 326	iP	P	06 22 17.9	+0.3
MSFE	Esma-Masafi	77.33 294	iP	P	06 22 17.7	-0.4
ELDT	Eldivan	77.37 319	iP	P	06 22 18.3	+0.1
R49A	Shelbyville	77.39 45	P	P	06 22 17.5	-0.6
URFA	Urfa	77.40 314	eP	P	06 22 19.5	+1.1
WSAR	Wadi Sarin	77.42 291	LR	LR	07 01 10.3	
UCC	Uccle	77.44 342	iP	P	06 22 16.9	-1.3
UCC	Uccle	77.44 342	eP	P	06 22 18.3	+0.1
UCC	comp=Z,10um,18.0s		LR	LR		
UCC	Uccle	77.44 342	eP	P	06 22 18.3	+0.1
UCC	comp=Z,268nm,1.4s		pmax	pmax		
UCC	comp=Z,10um,18.0s		MLR	MLR		
ELBS	KAHRAMANMARAS	77.48 315	iP	P	06 22 19.4	+0.6
S48A	Wiedeman Farm,	77.48 46	P	P	06 22 17.7	-1.1
VT1	Waterbury	77.49 34	eP	P	06 22 19.5	+0.9
Q50A	Georgetown	77.49 44	P	P	06 22 18.4	-0.3
N54A	Moraine State	77.50 40	P	P	06 22 17.7	-1.1
N54A	Moraine State	77.50 40	eP	P	06 22 19.2	+0.5
N54A	comp=Z,340nm,1.7s		LR	LR		
U46A	Springville	77.50 48	P	P	06 22 18.1	-0.8
UMQ	Umm Al-Quwin	77.50 294	iP	P	06 22 19.0	+0.1
BIDO	Bidbid	77.51 291	P	P	06 22 20.0	+0.9
T47A	Sharon Grove	77.52 47	P	P	06 22 17.7	-1.2
T47A	Sharon Grove	77.52 47	eP	P	06 22 19.6	+0.7
T47A	comp=Z,111nm,0.9s		LR	LR		
SANL	SANLIURFA_Merk	77.54 313	iP	P	06 22 19.8	+0.8
BZS	Buzias	77.54 329	iP	P	06 22 18.7	-0.2
PRD	Provaia	77.55 324	iP	P	06 22 18.3	-0.7
TMS	Timisora	77.57 329	iP	P	06 22 19.1	+0.1
MCH1	Michaelchurch	77.57 347	eP	IAMB	06 22 21.2	
MCH1	comp=Z,734nm,1.8s		IAMS_20	IAMS_20	07 03 21.9	
Z41A	Richland Creek	77.60 53	P	P	06 22 18.2	-1.2
Z41A	Richland Creek	77.60 53	eP	P	06 22 19.9	+0.5
Z41A	comp=Z,52nm,1.1s		LR	LR		
BCLA	Clavier	77.61 341	iP	P	06 22 18.5	-0.7
X43A	Marvell	77.61 51	P	P	06 22 18.7	-0.7
X43A	Marvell	77.61 51	eP	P	06 22 20.3	+0.9
X43A	comp=Z,119nm,1.0s		LR	LR		
V45A	Humboldt	77.61 49	P	P	06 22 18.4	-1.0
MET	Memphis-Engin	77.61 50	eP	P	06 22 21.3	+1.8
MET	comp=Z,687nm,1.1s		LR	LR		
UOSS	Minazif	77.61 294	eP	P	06 22 18.9	-0.7
UOSS	comp=Z,604nm,1.0s		LR	LR		
UOSS	Minazif	77.61 294	iP	P	06 22 19.1	-0.6
CCAR	Cane Creek	77.62 52	eP	P	06 22 21.2	+1.7
G51A	Peebles	77.63 43	P	P	06 22 18.3	-1.2
ATAB	Baz=325,SNR=9.2	77.63 314	iP	P	06 22 20.2	+0.7
BNN	Bunyan	77.64 316	eP	P	06 22 19.9	+0.1
W44A	Shelby Farms P	77.66 50	P	P	06 22 18.6	-1.1
STRD	Stroud	77.66 346	eP	IAMB	06 22 18.9	-0.6
STRD	comp=Z,1um,1.4s		IAMS_20	IAMS_20	07 04 59.9	
CDAG	Clekadag	77.67 318	iP	P	06 22 19.5	-0.3
140A	Cam and Jess,	77.67 54	P	P	06 22 19.3	-0.5
140A	Cam and Jess,	77.67 54	eP	P	06 22 21.2	+1.4
140A	comp=Z,104nm,1.2s		LR	LR		
WBK	Wadi Bani Khal	77.67 290	P	P	06 22 21.6	+1.6
Y42A	Garnett, Star	77.68 52	P	P	06 22 18.6	-1.2
MONM	Monmouth	77.70 347	eP	IAMB	06 22 22.1	
MONM	comp=Z,332nm,1.1s		IAMS_20	IAMS_20	07 03 24.6	
IXEW	Carrickbyrne,	77.71 349	eP	IAMB	06 22 21.9	
IXEW	comp=Z,359nm,1.2s		IAMB	IAMB	06 22 21.9	
ELSH	Elham, Stander	77.72 344	eP	IAMB	06 22 19.7	-0.1
ELSH	comp=Z,760nm,1.0s		IAMS_20	IAMS_20	07 02 19.8	
ELSH	comp=Z,7um,17.1s		IAMB	IAMB	06 22 17.9	-1.9
SARF	Sardiz-Kayseri	77.74 316	eP	P	06 22 20.2	-0.2
S49A	Springfield	77.74 45	P	P	06 22 19.1	-1.1
HATD	Hatta, Dubai	77.75 294	P	P	06 22 20.1	-0.3
HATD	Hatta, Dubai	77.75 294	iP	P	06 22 19.9	-0.5

T48A	Bowling Green	77.77 47	P	P	06 22 18.8	-1.5
833A	Chaparral WMA,	77				

147A Livingston	80.39	50	P	P	06 22 33.7	-1.0
147A Livingston	80.39	50	eP	P	06 22 35.6	+0.9
147A	comp=Z,4µm,19.0s		LR	LR		
BALY Balya	80.42	322	iP	P	06 22 34.1	-0.7
BLA Blacksburg	80.42	42	P	P	06 22 33.9	-1.0
BLA Blacksburg	80.42	42	eP	P	06 22 35.1	+0.2
BLA	comp=Z,4µm,19.0s		LR	LR		
BLA Blacksburg	80.42	42	eP	P	06 22 35.1	+0.2
BLA	comp=Z,89nm,1.1s		MLR	MLR		
BLA	comp=Z,4µm,19.0s		MLR	MLR		
246A Jackson Lee, B	80.48	51	P	P	06 22 34.1	-1.1
IVA Berane	80.55	329	eP	P	06 22 34.6	-0.9
X51A Calhoun	80.55	47	P	P	06 22 34.2	-1.3
X51A Calhoun	80.55	47	eP	P	06 22 36.2	+0.6
X51A	comp=Z,67nm,1.1s		LR	LR		
X51A	comp=Z,5µm,20.0s		LR	LR		
W52A Murphy	80.56	321	iP	P	06 22 34.6	-1.1
W52A Murphy	80.56	46	P	P	06 22 35.0	-0.7
W52A Murphy	80.56	46	eP	P	06 22 36.6	+1.0
W52A	comp=Z,56nm,1.3s		LR	LR		
345A Thompson Farm,	80.58	53	P	P	06 22 36.2	+0.4
KEBE Kelen-Mersin	80.58	516	eP	P	06 22 35.4	-0.4
543A St. Martinville	80.58	55	P	P	06 22 36.3	+0.5
BAGO Egridir - ISPA	80.58	319	iP	P	06 22 34.9	-0.9
WVCC Unac-Piva	80.58	330	iP	P	06 22 34.2	-1.6
WVCC Virginia Weste	80.59	42	eP	P	06 22 36.8	+1.1
V53A Saluda	80.61	45	P	P	06 22 35.2	-0.7
V53A Saluda	80.61	45	eP	P	06 22 36.8	+0.9
V53A	comp=Z,25nm,0.9s		LR	LR		
V53A	comp=Z,6µm,20.0s		LR	LR		
NVLJ Novajia	80.62	333	P	P	06 22 34.1	-1.6
KZIL AFYON Kizoren	80.63	320	iP	P	06 22 35.2	-0.9
M65A Busby, Falmout	80.66	34	P	P	06 22 34.6	-1.4
444A Pine Grove	80.67	53	P	P	06 22 37.5	+1.2
Y50A Piedmont	80.67	48	P	P	06 22 35.8	-0.5
STEP BALKESIR_Sava	80.69	322	iP	P	06 22 34.9	-1.4
KOME Kolasin	80.69	329	iP	P	06 22 35.2	-1.1
IP04 Greensprings	80.70	40	eP	P	06 22 37.6	+1.3
IP04	comp=Z,84nm,1.0s		LR	LR		
MZR Muzera	80.71	294	iP	P	06 22 36.3	-0.2
247A Quitman	80.72	51	P	P	06 22 36.3	-0.2
LRAL Lakeview Retre	80.74	49	P	P	06 22 36.5	-0.1
LRAL Lakeview Retre	80.74	49	eP	P	06 22 36.8	+0.2
LRAL	comp=Z,31nm,0.9s		LR	LR		
LRAL	comp=Z,5µm,21.0s		LR	LR		
IKL Isikli	80.76	316	eP	P	06 22 35.7	-0.9
148A Greensboro	80.77	50	P	P	06 22 35.7	-1.0
PVY Play	80.77	329	iP	P	06 22 35.6	-1.2
ERMK Ermenek	80.78	317	iP	P	06 22 35.7	-1.3
IP03 STIP	80.79	327	iP	P	06 22 35.0	-1.7
IP03 Louisa	80.79	40	eP	P	06 22 38.2	+1.4
IP03	comp=Z,85nm,1.1s		LR	LR		
IP03	comp=Z,7µm,19.0s		LR	LR		
PMOR Pomariorio Ree	80.80	126	eT	T	07 51 57.3	
346A Big Creek Wild	80.81	52	P	P	06 22 37.2	+0.3
346A Big Creek Wild	80.81	52	eP	P	06 22 38.5	+1.6
346A	comp=Z,119nm,0.8s		LR	LR		
346A	comp=Z,6µm,19.0s		LR	LR		
SKO Skopje	80.81	328	iP	P	06 22 36.2	-0.6
KARAHALLI Karahalli	80.81	320	iP	P	06 22 35.9	-1.2
ISP Isparta	80.84	319	eP	P	06 22 37.9	+0.7
ISP Isparta	80.84	319	iP	P	06 22 37.1	-0.1
ISP Isparta	80.84	319	eP	P	06 22 36.8	-0.4
ISP	comp=Z,284nm,1.3s		LR	LR		
ISP	comp=Z,4µm,18.0s		MLR	MLR		
ISP	comp=Z,284nm,1.3s		MLR	MLR		
CVRD Centerville Ro	80.84	40	eP	P	06 22 38.1	+1.1
CVRD	comp=Z,93nm,1.0s		LR	LR		
CVRD	comp=Z,6µm,20.0s		LR	LR		
BAYC CAJAKALE_Bay	80.84	323	iP	P	06 22 35.9	-1.2
Z49A Columbiana	80.85	49	P	P	06 22 37.1	0.0
W53A Cullowhee	80.86	46	P	P	06 22 36.5	-0.9
IP07	comp=Z,326,SNR=7.0		P	P	06 22 38.0	+0.8
IP07	comp=Z,59nm,0.9s		LR	LR		
IP07	comp=Z,7µm,19.0s		LR	LR		
GULN NERSIN_Gulnar	80.87	316	iP	P	06 22 35.9	-1.3
445A Amite	80.88	53	P	P	06 22 37.2	-0.2
IP06 Yanceyville	80.88	40	eP	P	06 22 37.7	+0.4
IP06	comp=Z,54nm,1.0s		LR	LR		
IP01 Cuckoo	80.89	40	eP	P	06 22 38.5	+1.2
IP01	comp=Z,58nm,1.1s		LR	LR		
NKY Niksic	80.90	330	iP	P	06 22 35.8	-1.6
CBN Corbin Frederi	80.91	40	P	P	06 22 36.0	-1.4
CBN Corbin Frederi	80.91	40	eP	P	06 22 38.5	+1.1
CBN	comp=Z,89nm,1.0s		LR	LR		
SUTC Sutluce-Ispart	80.92	319	eP	P	06 22 35.7	-2.0
544A White Castle	80.93	54	P	P	06 22 37.0	-0.6
BOZC Bozcaada	80.95	323	iP	P	06 22 36.8	-0.8
NKME Niksic	80.95	330	iP	P	06 22 36.0	-1.6
BRY Bratogost	80.97	330	iP	P	06 22 36.1	-1.7
VAY Vatanovo	80.98	326	iP	P	06 22 37.2	-0.5
X52A Dahlonega	80.98	46	P	P	06 22 37.3	-0.6
SENIN Lac Senin/Sane	80.98	339	eP	P	06 22 38.0	+0.1
SENIN	comp=Z,272nm,1.4s		LR	LR		
Y51A Rockmart	80.99	48	P	P	06 22 37.0	-1.0
IP05 Hopewell Churc	81.06	40	eP	P	06 22 39.2	+1.0
IP05	comp=Z,65nm,1.1s		LR	LR		
IP05	comp=Z,7µm,19.0s		LR	LR		
MANT Manisa	81.10	321	iP	P	06 22 37.7	-1.0
MANT Manisa	81.10	321	eP	P	06 22 38.3	-0.4
MANT	comp=Z,2µm,1.0s		LR	LR		
MANT	comp=Z,16µm,19.0s		LR	LR		
Z50A Ashland	81.10	49	P	P	06 22 37.9	-0.7
Z50A Ashland	81.10	49	eP	P	06 22 38.8	+0.3
Z50A	comp=Z,118nm,0.9s		LR	LR		
Z50A	comp=Z,5µm,20.0s		LR	LR		
TEKE Tekeli-Mersin	81.10	317	eP	P	06 22 38.1	-0.4
BG3 Lake Jocassee	81.11	45	eP	P	06 22 39.6	+1.0

248A Dixon Mills	81.13	50	P	P	06 22 38.7	0.0
EREN Erenkoj	81.13	316	eP	P	06 22 37.8	-0.8
BRDR BURDÜR-Merkez	81.14	320	iP	P	06 22 37.6	-1.1
KEPZ Antalya-Kepez	81.14	316	iP	P	06 22 37.5	-1.4
PDG Podgorica	81.15	329	eP	P	06 22 38.5	-0.1
TTG Podgorica	81.15	329	iP	P	06 22 37.4	-1.2
TTG Podgorica	81.15	329	eP	P	06 22 37.3	-1.2
TTG	comp=Z,10µm,22.0s		LR	LR		
TTG Podgorica	81.15	329	eP	P	06 22 37.3	-1.3
TTG	comp=Z,657nm,1.1s		MLR	MLR		
TTG	comp=Z,10µm,22.0s		MLR	MLR		
AYVA Ayvalik	81.16	323	iP	P	06 22 37.4	-1.3
CEME Cevo	81.16	329	iP	P	06 22 36.9	-1.9
149A Jones	81.20	49	P	P	06 22 39.0	0.0
347A Saraland	81.27	51	P	P	06 22 38.4	-1.1
STON Ston	81.27	330	P	P	06 22 37.2	-2.0
HWQ Hawqa	81.33	314	eP	P	06 22 39.4	-0.4
446A Popoville	81.33	52	P	P	06 22 38.8	-0.9
545A Edgard	81.34	54	P	P	06 22 39.8	+0.1
545A Edgard	81.34	54	PFAKE	LR	06 22 50.0	+1.0
545A	comp=Z,13µm,19.0s		LR	LR		
X53A Estanollee	81.34	46	P	P	06 22 39.3	-0.4
URVA University of	81.38	40	eP	P	06 22 40.7	+0.8
GAZI Gazipasa	81.38	317	iP	P	06 22 36.3	-3.7
GAZI Gazipasa	81.38	317	iP	P	06 22 37.6	-2.4
BUM Brajici-Budva	81.39	329	iP	P	06 22 38.3	-1.7
HCY Herceg Novi	81.39	330	iP	P	06 22 38.0	-1.9
DRME Dracevica, Mon	81.39	329	iP	P	06 22 38.9	-1.0
KRUS Krusevo	81.41	327	iP	P	06 22 40.1	0.0
Z51A Franklin	81.41	48	P	P	06 22 40.1	-0.1
Y52A Liburn	81.50	47	P	P	06 22 40.6	0.0
Y52A Liburn	81.50	47	eP	P	06 22 41.1	+0.4
Y52A	comp=Z,46nm,0.9s		LR	LR		
Y52A	comp=Z,6µm,20.0s		LR	LR		
RAO Raoul Island	81.51	157	PFAKE	LR	06 22 50.0	+1.0
RAO	comp=Z,5µm,21.0s		LR	LR		
249A Camden	81.53	50	P	P	06 22 41.4	+0.6
150A Eclic	81.57	49	P	P	06 22 40.3	-0.7
DNZL Cakroluk	81.57	320	iP	P	06 22 40.2	-0.9
ULC Ulcinj	81.57	329	iP	P	06 22 39.1	-1.8
348A Jackson	81.59	51	P	P	06 22 41.2	0.0
348A Jackson	81.59	51	PFAKE	LR	06 22 50.0	+8.9
348A	comp=Z,4µm,18.0s		LR	LR		
546A Sildeh	81.59	53	P	P	06 22 41.2	0.0
NCAT North Carolina	81.66	43	eP	P	06 22 42.2	+0.8
NCAT	comp=Z,49nm,0.9s		LR	LR		
447A Lucedale	81.70	52	P	P	06 22 41.8	+0.1
447A Lucedale	81.70	52	PFAKE	LR	06 22 50.0	+8.3
447A	comp=Z,6µm,22.0s		LR	LR		
KM5C Kings Mountain	81.73	44	P	P	06 22 41.3	-0.5
KM5C Kings Mountain	81.73	44	eP	P	06 22 41.3	-0.5
KM5C	comp=Z,38nm,1.0s		LR	LR		
GOLH Golhisar	81.74	320	iP	P	06 22 40.6	-1.4
Y53A Monroe	81.74	47	P	P	06 22 41.0	-0.9
645A Chauvin	81.75	54	P	P	06 22 41.7	-0.3
BHL Bhanes	81.77	314	eP	P	06 22 41.6	-0.6
PAULI Pauline	81.78	45	eP	P	06 22 42.9	+0.9
QASN Qassioun	81.78	313	eP	P	06 22 41.6	-0.6
OHR Ohrid	81.79	328	iP	P	06 22 41.4	-0.7
STKA Stephens Creek	81.79	192	P	P	06 22 41.7	-0.1

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454A	Quitman	84.29	48	P	P	06 22 55.2 +0.1
553A	Crawfordville	84.33	49	P	P	06 22 54.8 -0.4
CUC	Castrocuco	84.48	330	eP	P	06 22 54.8 -1.2
CUC				LR	LR	
257A	Skidaway Island	84.50	46	P	P	06 22 56.0 -0.2
257A	Skidaway Island	84.50	46	PFAKE	LR	06 23 10.0 +1.4
356A	Blackshear	84.52	47	P	P	06 22 56.4 +0.1
455A	Stateville	84.56	48	P	P	06 22 56.6 +0.1
357A	Townsend	84.74	46	P	P	06 22 56.8 -0.5
554A	Perry	84.78	49	P	P	06 22 57.1 -0.4
ITM	Ithomi	84.85	325	eP	P	06 22 56.6 -1.3
ITM				LR	LR	
TIP	Timpagrande	84.91	329	iP	P	06 22 58.7 +0.5
TIP	Timpagrande	84.91	329	eP	P	06 22 57.6 -0.6
TIP				LR	LR	
RAYN	Ar Rayn	84.95	300	eP	P	06 22 58.1 -0.5
RAYN				LR	LR	
RAYN	Ar Rayn	84.95	300	iP	P	06 22 58.3 -0.3
RAYN	Ar Rayn	84.95	300	eP	P	06 22 58.1 -0.5
RAYN				MLR	MLR	
456A	Hilliard	85.06	47	P	P	06 22 58.8 -0.2
456A	Hilliard	85.06	47	PFAKE	LR	06 23 10.0 +1.1
555A	McAlpin	85.10	48	P	P	06 22 58.3 -0.9
555A	McAlpin	85.10	48	PFAKE	LR	06 23 10.0 +1.1
457A	Yulee	85.37	47	P	P	06 23 00.1 -0.4
655A	Horseshoe Beach	85.46	49	P	P	06 23 00.8 -0.3
556A	Lake Butler	85.47	48	P	P	06 23 01.3 +0.3
OZU	Omahuta	85.52	166	PFAKE	LR	06 23 10.0 +9.2
OZU				LR	LR	
557A	Orange Park	85.79	47	P	P	06 23 01.9 -0.8
656A	Williston	85.93	48	P	P	06 23 02.9 -0.5
656A	Williston	85.93	48	eP	P	06 23 04.8 +1.5
656A				LR	LR	
C6L	Celeste	86.02	330	eP	P	06 23 03.5 -0.2
657A	Interlachen	86.08	48	P	P	06 23 03.5 -0.6
LVIG	Laguna Verde	86.10	64	PFAKE	LR	06 23 20.0 +1.6
LVIG				LR	LR	
TLIG	Tiapa	86.48	67	PFAKE	LR	06 23 20.0 +1.4
TLIG				LR	LR	
658A	Bunnell	86.51	47	P	P	06 23 05.7 -0.5
658A	Bunnell	86.51	47	PFAKE	LR	06 23 20.0 +1.4
757A	Oxford	86.51	48	P	P	06 23 06.0 -0.3
758A	Lake Helen	86.92	48	P	P	06 23 08.1 -0.1
TBI	Tubuai	86.98	132	eS	S	06 33 41.3 -2.7
TBI				eSS	SS	06 39 22.3 -5.8
TBI	Tubuai	86.98	132	eLR	LR	06 50 20.3
TBI	Tubuai	86.98	132	eT	T	07 59 40.0
VAE	Valguarner	87.22	330	LR	LR	07 07 36.7
858A	St. Cloud	87.46	48	P	P	06 23 10.8 -0.1
957A	Wimauma	87.48	49	P	P	06 23 10.4 -0.6
957A	Wimauma	87.48	49	PFAKE	LR	06 23 20.0 +9.1
957A				LR	LR	
CLTB	Callabelotta	87.51	331	eP	P	06 23 10.2 -0.9
CLTB				LR	LR	
DWPF	Disney Wildern	87.51	48	P	P	06 23 10.5 -0.6
DWPF	Disney Wildern	87.51	48	eP	P	06 23 10.3 -0.7
DWPF				LR	LR	
958A	Wauchula	87.79	49	P	P	06 23 12.0 -0.4
859A	Kempfer Cattle	87.82	48	P	P	06 23 12.6 0.0
PBRG	Braganca	88.08	347	eP	P	06 23 13.8 +0.1
PGAV	Gavieira, Arco	88.14	348	eP	P	06 23 14.2 +0.2
PGAV	Gavieira, Arco	88.14	348	eS	S	06 33 47.5 -7.7
PGAV	Gavieira, Arco	88.14	348	eLR	LR	06 55 34.1
958A	Arcadia	88.20	49	P	P	06 23 13.7 -0.7
959A	Okeechobee	88.27	48	P	P	06 23 14.0 -0.7
PCAB	Cabril	88.35	348	eP	P	06 23 15.2 +0.3
059A	Moore Haven	88.61	49	P	P	06 23 15.6 -0.7
059A	Moore Haven	88.61	49	PFAKE	LR	06 23 30.0 +1.4
MXZ	Matakooa Point	88.65	163	PFAKE	LR	06 23 30.0 +1.4
POLO	Lamas de Olo	88.65	348	eP	P	06 23 16.1 -0.3
POLO	Lamas de Olo	88.65	348	eS	S	06 33 49.2 +6.5
WDD	Lied Dalam	88.68	330	eP	P	06 23 16.3 -0.2
WDD				LR	LR	
PVRL	Vila Real	88.74	348	eP	P	06 23 16.5 -0.3
MVO	Moncorvo	88.75	347	eP	P	06 23 17.1 +0.2
MVO	Moncorvo	88.75	347	eS	S	06 33 51.0 +7.8
MVO	Moncorvo	88.75	347	eLR	LR	06 57 32.3
NWAO	Narrogin (SRO)	88.83	212	LR	LR	07 06 32.2
NWAO	Narrogin (SRO)	88.83	212	eP	P	06 23 17.4 +0.5
NWAO	Narrogin (SRO)	88.83	212	eP	P	06 23 17.4 +0.5
060A	Indiantown	88.93	48	P	P	06 23 17.2 -0.6
060A	Indiantown	88.93	48	PFAKE	LR	06 23 30.0 +1.2
060A				LR	LR	
HIZ	Hauti	88.95	165	PFAKE	LR	06 23 30.0 +1.3

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HIZ	comp=Z,7,7um,22.0s		LR	LR		
MYIG	Morida	88.97	59	PFAKE	LR	06 23 30.0 +1.2
MYIG				LR	LR	
059Z	Ave Maria	88.98	49	P	P	06 23 17.8 -0.3
URZ	Urewera	89.09	164	PFAKE	LR	06 23 30.0 +1.2
URZ				LR	LR	
PVIS	Viseu	89.31	348	eP	P	06 23 19.1 -0.4
060Z	West Palm Beach	89.36	49	P	P	06 23 19.5 -0.3
MTE	Manteigas	89.57	348	eP	P	06 23 21.0 +0.3
MTE	Manteigas	89.57	348	eS	S	06 33 55.0 +6.9
MTE	Manteigas	89.57	348	eLR	LR	07 02 18.0
MTE	Manteigas	89.57	348	eP	P	06 23 20.3 -0.5
MTE				LR	LR	
061Z	Ochoppi	89.64	49	P	P	06 23 20.7 -0.5
061Z	Ochoppi	89.64	49	PFAKE	LR	06 23 30.0 +8.9
061Z				LR	LR	
ES19	SONSECA Array	89.69	345	eP	P	06 23 19.8 -1.5
ESDC	Sonsec Array	89.72	345	P	P	06 23 20.0 -1.5
ESDC				LR	LR	07 11 51.4
ESLA	Sonsec Array	89.72	345	eP	P	06 23 20.4 -1.0
ESLA				LR	LR	
BKZ	Black Stump Fm	89.86	164	eP	P	06 23 23.2 +1.6
BKZ				LR	LR	
COI	Colmar	89.88	348	eP	P	06 23 22.7 +0.6
PAB	San Pablo	89.91	345	eP	P	06 23 21.3 -1.0
PAB				LR	LR	
PAB	San Pablo	89.91	345	eP	P	06 23 21.3 -1.0
PAB				pmax	pmax	
PAB				MLR	MLR	
PCAS	Casmilo, Conde	90.05	348	eP	P	06 23 23.1 +0.2
CMAH	Djebel Manchou	90.10	335	P	P	06 23 21.4 -1.9
CAEH	'Ain El Oushch	90.11	336	P	P	06 23 22.0 -1.2
PCBR	Castelo Branco	90.14	347	eP	P	06 23 23.3 +0.1
KEST	Kesra	90.39	334	P	P	06 23 24.6 -0.1
KEST				LR	LR	07 08 04.5
KEST	Kesra	90.39	334	eP	P	06 23 24.1 -0.6
PTOM	Tomar	90.46	348	eP	P	06 23 25.2 +0.4
CKFL	Kef-Lehkel	90.50	336	P	P	06 23 23.4 -1.8
PMRV	Marv???	90.51	347	eP	P	06 23 25.2 +0.2
PMRV	Marv???	90.51	347	eS	S	06 33 57.3 +3.9
PMRV	Marv???	90.51	347	eLR	LR	06 58 09.6
DFRA	Djebel Bou Aff	90.59	336	P	P	06 23 26.5 +0.9
CASM	Ain Smara	90.69	336	P	P	06 23 24.2 -1.8
THTN	Thala	90.74	334	eP	P	06 23 26.2 -0.1
THTN				LR	LR	
CTEI	Djebel Teioual	90.90	336	P	P	06 23 25.2 -1.9
ALMR	Almeirim	90.94	348	eP	P	06 23 27.1 +0.1
ALMR				AMB	AMB	06 23 28.2
ALMR	Almeirim	90.94	348	eP	P	06 23 27.6 +0.6
ALMR	Almeirim	90.94	348	eP	P	06 23 27.1 +0.1
PMTG	Montargil	90.98	348	eP	P	06 23 27.3 +0.1
PMTG	Montargil	90.98	348	eS	S	06 34 03.4 +7.3
PMTG	Montargil	90.98	348	eS	S	06 34 03.4 +7.3
BBSR	BB Station	90.99	34	PFAKE	LR	06 23 40.0 +1.3
BBSR				LR	LR	
SET	Setif	91.04	337	P	P	06 23 31.0 +3.3
PESTR	Estremoz	91.08	347	eP	P	06 23 27.7 0.0
PESTR	Estremoz	91.08	347	eS	S	06 34 01.4 +4.6
PESTR	Estremoz	91.08	347	eP	P	06 23 27.0 -0.7
PESTR				LR	LR	
CKHR	Kef el Ahmar	91.18	337	P	P	06 23 28.1 -0.3
PMAFR	Mafr	91.23	349	eP	P	06 23 29.2 +0.8
PMAFR				LR	LR	
PMAFR	Mafr	91.23	349	eS	S	06 34 07.5 +1.0
BFZ	Birch Farm	91.29	165	PFAKE	LR	06 23 40.0 +1.2
BFZ				LR	LR	
CCIG	Comitan	91.31	63	PFAKE	LR	06 23 40.0 +1.1
CCIG				LR	LR	
LIS	Lisbon	91.45	349	eP	P	06 23 29.6 +0.2
LIS				AMB	AMB	06 23 30.9
LIS	Lisbon	91.45	349	eP	P	06 23 29.5 +0.2
EVO	Evora	91.47	348	eP	P	06 23 27.3 -2.2
EMHD	Djebel Mahoud	91.65	339	P	P	06 23 31.0 +0.5
SNZO	South Karori	91.65	166	PFAKE	LR	06 23 40.0 +1.0
SNZO				LR	LR	
THZ	Tophouse	91.83	168	PFAKE	LR	06 23 40.0 +9.3
THZ				LR	LR	
PBEJ	Beja	91.95	347	eP	P	06 23 32.5 +0.8
PBEJ				LR	LR	
PNCL	Nicolau / Gran	91.96	348	eP	P	06 23 31.9 +0.2
PNCL				LR	LR	
PNCL	Nicolau / Gran	91.96	348	eS	S	06 34 06.1 +4.4
MESJ	Messejana	92.18	348	eP	P	06 23 32.9 0.0
MESJ				AMB	AMB	06 23 36.3
MESJ				eSKS	eSKS	06 34 04.3 +1.4
MESJ	Messejana	92.18	348	eP	P	06 23 33.3 +0.5
MESJ	Messejana	92.18	348	eP	P	06 23 32.8 0.0
MESJ				e	e	06 34 04.2
EA NR	'Ain 'N'Sour	92.32	340	P	P	06 23 34.0 +0.5
PCVE	Castro Verde	92.36	347	eP	P	06 23 33.2 -0.4
PCVE				LR	LR	
PVAQ	Vaqueiros	92.54	347	eS	S	06 34 12.5 +8.5
PVAQ	Vaqueiros	92.54	347	eP	P	06 23 34.0 -0.5
PVAQ	Vaqueiros	92.54	347	eS	S	06 34 11.9 +7.0
PVAQ	Vaqueiros	92.54	347	eLR	LR	06 56 45.7
PTEO	Sao Teotonio	92.54	348	eP	P	06 23 34.8 +0.1
DAMY	Dhamar	92.63	296	eP	P	06 23 34.9 -0.7
DAMY				LR	LR	
DAMY				LR	LR	
PBDV	Barranco-do-Ve	92.73	347	eP	P	06 23 36.8 +1.4
PBDV	Barranco-do-Ve	92.73	347	eS	S	06 34 13.0 +6.9
PBDV	Marmelete	92.77	348	eP	P	06 23 35.5 -0.1
MORF				AMB	AMB	06 23 38.5
MORF				eSKS	eSKS	06 34 07.7 +1.4
MORF	Marmelete	92.77	348	eP	P	06 23 36.0 +0.4
MORF	Marmelete	92.77	348	eS	S	06 34 15.9 +1.0
MORF	Marmelete	92.77	348	eP	P	06 23 35.4 -0.1
MORF				e	e	06 34 07.7
PFVI	Vila Bisbo	92.96	348	eS	S	06 34 16.5 +9.2
PFVI	Vila Bisbo	92.96	348	PFAKE	LR	06 23 50.0 +1.4
PFVI				LR	LR	
OXX	Oxford	93.24	168	PFAKE	LR	06 23 50.0 +1.3
OXX				LR	LR	

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CMLA	Chad da Macela	93.35	1	eP
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20d 6h

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like ARSA Arzberg, SOKA Soboth, KBA Koelbreinsper, etc.

CASC 20 06:32:51.1±2.1, 1234N, 87.90W, h36km±20km, MD3.5, ML2.5, far coast of Nicaragua

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like CNCH Conchagua, LCNH La Cañada, etc.

BUI 20 06:32:53.9, 49°27'N; 156°14'E, h11km, mb5.7/83, mb6.1/32, Ms6.0/76, Ms7.5/71

IDC 20 06:32:54.0±0.4, 49°35'N; 156°11'E, h0km, mb5.5/46, mb1.5/49, mb1mx5.4/68, mb2mx5.5/49, ML4.5/2, MS5.5/4, Ms1.5/54, ms1mx5.4/73, Error ellipse: s-maj=10.6km s-min=5.6km az=134.0

GCMT 20 06:32:56.1±0.1, 49°24'N; 156°54'E, h27km, MW5.8/139, Moment Tensor Solution, s115 c236; s139 c413; Duration: 2σ Moment tensor: Scale 1017Nm; Mn: 5.55±0.8; Mw: 1.59±0.5; Ms: 3.97±0.6; Mz: 5.2±1.1; Mw: 2.51±0.3; Mw: 4.03±1.1; Best double couple: M7.310000×1017 Np1.303200000; 865.00000; λ.90.00000; NP2.202100000; 825.00000; λ.90.00000; Principal axes: T 7.3060, Plg70.0000, Azm302.0000; N -0.0020, Plg0.0000, Azm32.0000; P -7.3140, Plg20.0000, Azm122.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 20 06:32:56.0±0.0, 49°25'N; 156°32'E, h21km, Moment Tensor Solution, s23 Moment tensor: Scale 1017Nm; Mn: 4.15; Mw: 1.38; Ms: 2.77; Mz: 3.68; Mw: 0.91; Mw: 3.70; Best double couple: M6.40000×1017 Np1.304100000; 873.00000; λ.96.00000; NP2.202000000; 818.00000; λ.72.00000; Principal axes: T 6.9200, Plg61.0000, Azm319.0000; N -1.0900, Plg5.0000; Azm219.0000; P -5.8200, Plg27.0000; Azm126.0000

NEIC 20 06:32:56.1±0.1, 49°35'N; 156°13'E, h10km, mb5.8/298, MS5.5/147, MW5.8 Error ellipse: s-maj=2.8km s-min=1.4km az=156.0

KRSC 20 06:32:57.3±0.0, 49°15'N; 156°81'E, h70km±31km, ML6.0 ISCJB 20 06:32:58.1±0.3, 49°26'N; 156°26'E, 0.02, h37km±2km, mb5.7/676, MS5.6/232, Error ellipse: s-maj=3.1km s-min=1.6km az=160.8

SKHL 20 06:32:59.7±0.2, 49°17'N; 156°44'E, h58km±2km, mb6.6/3, mbh6.5/2, Ms5.9/8

SKHL Felt (III-IV) at Severo-Kuril'sk, MOS 20 06:33:01.6±1.1, 49°47'N; 156°14'E, h64km, mb6.0/131, MS5.7/62, Error ellipse: s-maj=5.7km s-min=2.6km az=82.2

MOS Felt (III-IV) at Severo-Kuril'sk, ISC 20 06:33:00.7±0.4, 49°26'N; 156°27'E; 0.03, h44km±3km, h44km; P-P, n2.0, 1.13/2167, mb5.8/728, MS5.6/232, 126C-30D, Kuril Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like SKR Severo-Kuril's, SKR 41µm, 1.3s, SKR 27µm, 0.7s, etc.

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

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

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SEY, KLR, MAJO, MAT, MJAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like JUNU, FALS, ANM, ANM, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ULN, ULN, ULN, HHC, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SVE Sverdlövsk, BTLS Saital, KBO Bosley Butte, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WDC Tura, TURI Kashi, KSH Kashi, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BOZ Bozeman (W), SAO San Andreas Ge, SAO San Andreas Ge, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ISA Isabella, Lake, SBC Santa Barbara, HWUT Hardware Ranch, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KBL Kabul, P17A Butcher Ranch, NSS Maddock, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PV10 Paradox Valley, PV17 East Wray Mesa, PV16 Nyswonger Mesa, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like C37A Embarrass, NA001 NORSAR Array S, F34A Alexandria, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like TASM ASL Pad, ALBU, ANMO Albuquerque, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like HSIG comp=Z,188nm,1.6s, E44A Grand Marais A, E44A Grand Marais A, etc.

474A	Bowling Green	77.68	47	P	P	06 44 52.3	-0.1
R50A	Paris	77.70	45	P	P	06 44 52.4	-0.1
BNN	Bunyah	77.70	316	iP	P	06 44 53.1	+0.4
UOSS	Minazif	77.71	294	iP	P	06 44 52.6	-0.2
UOSS	Minazif	77.71	294	iP	P	06 44 52.8	+0.1
MONM	Monmouth	77.71	347	eP	Iamb	06 44 52.4	+0.1
ELSH	Elham, Standar	77.73	344	eP	Iamb	06 44 52.9	+0.4
ELSH	comp-Z, 204nm, 1.0s					06 44 54.1	
SNF	Senefie	77.75	342	iP	P	06 44 52.9	+0.3
WVT	Waverly	77.77	48	P	P	06 44 53.0	+0.1
WVT	Waverly	77.77	48	eP	P	06 44 53.0	+0.1
WVT	Waverly	77.77	48	eP	P	06 44 53.0	+0.1
WVT	Waverly	77.77	48	eP	P	06 44 53.0	+0.1
U47A	Clarkville	77.78	48	P	P	06 44 53.2	+0.2
LBNH	Lisbon	77.79	33	P	P	06 44 53.2	+0.2
LBNH	Lisbon	77.79	33	eP	P	06 44 53.1	+0.1
SARI	SarDiz-Kayseri	77.81	316	iP	P	06 44 54.2	+0.8
PKME	Peaks-Kenny Pk	77.82	31	P	P	06 44 53.4	+0.4
PKME	Peaks-Kenny Pk	77.82	31	eP	P	06 44 53.3	+0.2
MOA	Molin	77.84	335	eP	P	06 44 53.5	+0.3
HATD	Hatta, Dubai	77.84	294	iP	P	06 44 54.0	+0.4
HATD	Hatta, Dubai	77.84	294	iP	P	06 44 54.0	+0.4
OLDB	Oldbury-Upon-S	77.84	347	eP	Iamb	06 44 52.8	-0.3
OLDB	comp-Z, 190nm, 1.2s					06 44 53.5	
W45A	Hickory Valley	77.87	50	P	P	06 44 53.5	0.0
SRE	Strehala	77.88	328	iP	P	06 44 53.2	-0.2
BUW	Buckleybury Wes	77.88	346	eP	P	06 44 53.1	-0.1
V46A	Holladay	77.89	49	P	P	06 44 53.5	-0.2
ACCN	Adirondack Com	77.89	35	eP	P	06 44 52.6	-0.9
HGH	Gray Hill	77.90	347	eP	P	06 44 53.3	-0.1
X44A	Crenshaw	77.90	51	P	P	06 44 53.9	+0.1
240A	Norrel Spur, H	77.94	53	P	P	06 44 54.0	+0.1
Z42A	Hunter Patters	77.94	55	P	P	06 44 54.4	+0.5
240A	Hunter Patters	77.94	55	eP	P	06 44 54.9	+0.9
HERR	Herculane	77.96	328	iP	P	06 44 53.2	-0.6
141A	Papa Simpson,	77.96	54	P	P	06 44 54.4	+0.4
BR131	Keskin Array S	77.97	318	eP	P	06 44 54.0	-0.2
BR131	Keskin Array S	77.97	318	P	P	06 44 54.7	+0.5
BR131	Keskin Array B	77.97	318	P	P	06 44 54.2	+0.1
Y43A	Makayla and Ka	77.97	52	P	P	06 44 54.3	+0.2
ZIMR	77.97	326	iP	P	P	06 44 54.1	+0.2
ASHO	Ashiyah	77.99	294	iP	P	06 44 54.8	+0.4
ASHO	Ashiyah	77.99	294	iP	P	06 44 54.8	+0.4
NAZ	Nazwa, Dubai	78.00	294	iP	P	06 44 54.7	+0.3
NAZ	Nazwa, Dubai	78.00	294	iP	P	06 44 54.7	+0.3
SMDO	Samad	78.00	291	P	P	06 44 56.0	+1.5
BINY	Binghamton	78.01	37	P	P	06 44 53.9	-0.4
BINY	Binghamton	78.01	37	eP	P	06 44 53.8	-0.4
MORH	M'ar'ig, Hung	78.02	331	eS	PK	06 44 53.7	-0.4
R51A	Hillsboro	78.02	44	P	P	06 44 54.3	0.0
ARQA	Arzberg	78.03	334	eP	P	06 44 54.6	+0.4
HQSA	Hoqain	78.06	292	P	P	06 44 56.0	+1.2
DOU	Dourbes	78.08	342	iP	P	06 44 54.4	0.0
U48A	Cassie Pea, Po	78.09	47	P	P	06 44 54.6	-0.1
T49A	Edmonton	78.09	46	P	P	06 44 54.4	-0.4
T49A	Edmonton	78.09	46	eP	P	06 44 55.0	+0.2
SZH	Strazhica	78.10	325	iP	P	06 44 54.1	-0.6
HNH	Hanover	78.13	34	eP	P	06 44 54.6	-0.2
HMXN	Herstmonceux	78.14	345	eP	Iamb	06 44 55.5	+0.8
HMXN	comp-Z, 434nm, 1.0s					06 44 56.7	
S50A	Richmond	78.15	45	P	P	06 44 55.1	0.0
V47A	Nunnely	78.16	48	P	P	06 44 55.0	-0.2
WLF	Walfordange	78.16	341	iP	P	06 44 55.3	+0.4
WLF	Walfordange	78.16	341	eP	P	06 44 55.4	+0.5
WLF	Walfordange	78.16	341	eP	P	06 44 55.4	+0.5
WLF	Walfordange	78.16	341	eP	P	06 44 55.4	+0.5
LOD	Lodumlu	78.21	319	iP	P	06 44 55.8	+0.4
ANTO	Ankara	78.21	319	iP	P	06 44 55.9	+1.3
ANTO	Ankara	78.21	319	iP	P	06 44 55.9	+0.4
ANTO	Ankara	78.21	319	eP	P	06 44 55.7	+0.2
ANTO	Ankara	78.21	319	eP	P	06 44 56.2	+0.8
BR231	Keskin MP Arra	78.24	319	eP	P	06 44 56.2	+0.6
OXF	Oxford	78.27	50	P	P	06 44 55.6	-0.1
OXF	Oxford	78.27	50	eP	P	06 44 55.7	-0.1
OXF	Oxford	78.27	50	eP	P	06 44 55.7	-0.1
OXF	Oxford	78.27	50	eP	P	06 44 55.7	-0.1
MDVR	Moldovita	78.28	329	iP	P	06 44 55.2	-0.5
W46A	Michie	78.29	49	P	P	06 44 55.4	-0.5
Y44A	Strider, Charl	78.30	51	P	P	06 44 56.1	+0.2
STU	Stuttgart	78.30	338	eP	P	06 44 55.6	-0.1
STU	Stuttgart	78.30	338	eP	P	06 44 55.6	-0.1
WVL	Watermill	78.31	32	eP	P	06 44 56.0	+0.2
KMRS	Kahramanaras	78.32	315	iP	P	06 44 56.9	+0.9
X45A	UM Field Stati	78.34	50	P	P	06 44 55.6	-0.6
Z43A	Armstrong Fami	78.36	52	P	P	06 44 56.7	+0.4
BEHE	Becsehely	78.36	333	eS	PK	06 44 56.8	+0.7
MDJUB	Mudurnu	78.39	320	iP	P	06 44 56.8	+0.3
241A	Mo Tay, Golden	78.40	54	eP	P	06 44 57.3	+0.8
241A	Mo Tay, Golden	78.40	54	eP	P	06 44 57.3	+0.8
R52A	Cattletburg	78.42	43	P	P	06 44 56.3	-0.3
HKT	Hockley	78.43	57	eP	P	06 44 56.7	+0.1
HKT	Hockley	78.43	57	eP	P	06 44 56.7	+0.1
HKT	Hockley	78.43	57	eP	P	06 44 56.7	+0.1
GAZ	Gaziantep	78.44	315	iP	P	06 44 57.5	+0.7
AFSR	AF ar-Ba (A)	78.45	319	iP	P	06 44 57.9	+0.1
U49A	Red Boiling Sp	78.45	47	P	P	06 44 56.5	-0.2
ASUD	Al Ashush, Dub	78.47	294	P	P	06 44 57.5	+0.5

SNR=31	ASUD	Al Ashush, Dub	78.47	294	iP	P	06 44 57.8	+0.8
SNR=22	JMDO	Jabal Madar	78.48	291	P	P	06 44 58.6	+1.5
SNR=27	T50A	Nancy	78.48	46	P	P	06 44 56.7	-0.2
SNR=27	142A	Monroe	78.51	53	P	P	06 44 57.6	+0.5
SNR=27	VAL	Valentia	78.52	352	eP	P	06 44 57.0	+0.2
SNR=27	SAUV	Serdivan-Sakar	78.52	321	iP	P	06 44 57.3	+0.3
SNR=27	KOGS	Kog	78.54	333	iP	P	06 44 56.9	-0.1
SNR=27	JMB	Yambol	78.54	324	iP	P	06 44 56.7	-0.4
SNR=27	SS1A	Beattyville	78.56	44	P	P	06 44 57.2	-0.1
SNR=8.3	SS1A	Beattyville	78.56	44	eP	P	06 44 57.2	-0.1
SNR=1.1s	FFD	Franklin Falls	78.56	33	eP	P	06 44 57.6	+0.4
SNR=1.6s	MCWV	Mont Chateau	78.56	41	P	P	06 44 57.4	+0.2
SNR=1.2	MCWV	Mont Chateau	78.56	41	eP	P	06 44 57.8	+0.5
SNR=1.3s	MCWV	Mont Chateau	78.56	41	eP	P	06 44 57.8	+0.5
SNR=1.0s	PLAL	Pickwick Lake	78.56	49	eP	P	06 44 57.0	-0.4
SNR=1.0s	SPSA	Standing Stone	78.57	39	P	P	06 44 57.2	-0.1
SNR=1.5s	SSPA	Standing Stone	78.57	39	eP	P	06 44 56.9	-0.4
SNR=1.6	V48A	Smith Brothers	78.57	48	P	P	06 44 57.2	-0.1
SNR=1.6	V48A	Smith Brothers	78.57	48	eP	P	06 44 57.3	+0.1
SNR=1.8s	SPNC	Sapanca-Adapaz	78.58	321	iP	P	06 44 57.7	+0.4
SNR=1.4s	W47A	Westpoint	78.58	49	P	P	06 44 57.2	-0.3
SNR=1.4	O56A	Blue Knob Stat	78.59	40	P	P	06 44 57.0	-0.5
SNR=1.4s	O56A	Blue Knob Stat	78.59	40	eP	P	06 44 57.2	-0.3
SNR=1.4s	HEX	Exmoor	78.61	347	eP	P	06 44 57.2	-0.1
SNR=7.6	ALNE	Al Ain	78.64	294	iP	P	06 44 58.3	+0.3
SNR=1.8s	KSPA	Keystone Cole	78.64	37	eP	P	06 44 56.9	-0.8
SNR=1.5s	X46A	Boonville	78.64	50	P	P	06 44 57.3	-0.5
SNR=7.8	143A	Socs Landing,	78.67	53	P	P	06 44 58.6	+0.5
SNR=5.7	143A	Socs Landing,	78.67	53	eP	P	06 44 58.5	+0.5
SNR=1.3s	SOKA	Sotho	78.69	334	eP	P	06 44 58.3	+0.3
SNR=1.7s	GULT	Gulveren	78.70	321	iP	P	06 44 58.3	+0.1
SNR=1.2	Y45A	Yeager Farm, C	78.71	51	P	P	06 44 58.4	+0.2
SNR=12	ARQ	Araqi	78.72	293	P	P	06 44 60.0	+1.5
SNR=23	AJN	Ajban	78.72	294	iP	P	06 44 58.4	0.0
SNR=6.4	Z44A	Pea Ridge, Bel	78.72	52	P	P	06 44 58.4	+0.2
SNR=322	GROS	Grobnik	78.75	334	iP	P	06 44 58.2	-0.1
SNR=2.92	BSY	Blisya	78.75	292	P	P	06 45 00.2	+1.5
SNR=18	SS2A	Salyersville	78.76	44	P	P	06 44 58.3	-0.2
SNR=18	AUMIH	MIHALICIK	78.77	320	iP	P	06 44 58.9	+0.3
SNR=322	HTL	Hartland	78.77	348	eP	Iamb	06 44 58.5	+0.4
SNR=1.01nm, 0.9s	242A	Grayson	78.78	54	P	P	06 44 59.0	+0.4
SNR=6.3	KBA	Kaelenbreinsper	78.80	335	iP	P	06 44 59.2	+0.6
SNR=1.0s, SNR=318	341A	Kurthwood	78.81	55	P	P	06 44 59.1	+0.4
SNR=9.9	341A	Kurthwood	78.81	55	eP	P	06 44 58.0	-0.7
SNR=1.4s	SLMH	Al Salmeh	78.88	314	eP	P	06 44 59.9	+0.7
SNR=1.0s	BFO	Black Forest	78.92	339	eP			

V53A	Saluda	80.53	45	P	P	06 45 08.1	0.0
V53A	Saluda	80.53	45	eP		06 45 08.2	+0.1
444A	Pine Grove	80.58	53	P	P	06 45 09.6	+1.3
Y50A	Piedmont	80.58	48	P	P	06 45 08.0	-0.4
M65A	Busby, Falmout	80.59	34	P	P	06 45 08.2	0.0
IVA	Berane	80.59	329	iP	P	06 45 08.2	-0.2
IP04	Greensprings	80.62	41	eP	P	06 45 08.8	+0.3
UPM	Unac-Piwa	80.62	330	iP	P	06 45 07.6	-1.1
247A	Quitman	80.62	51	P	P	06 45 09.5	+0.9
KEBE	Keben-Mersin	80.64	316	iP	P	06 45 08.6	-0.1
LRLAL	Lakeview Retre	80.65	49	eP	P	06 45 08.0	-0.7
LRLAL	Lakeview Retre	80.65	49	eP	P	06 45 08.3	-0.4
148A	Greensboro	80.68	50	P	P	06 45 08.4	-0.5
IP03	Louisa	80.71	41	eP	P	06 45 09.1	+0.1
346A	Big Creek Wild	80.71	52	P	P	06 45 09.9	+0.8
346A	Big Creek Wild	80.71	52	eP	P	06 45 09.6	+0.5
346A	Big Creek Wild	80.71	52	eP	P	06 45 09.6	+0.5
PMOR	Pomariario Ree	80.72	126	eT	T	08 14 20.4	
KOME	Kolasin	80.73	329	iP	P	06 45 08.5	-0.6
Z49A	Columbiana	80.76	49	P	P	06 45 08.9	-0.3
CVRD	Centerville Ro	80.76	40	eP	P	06 45 09.4	+0.1
W53A	Cullowhee	80.77	46	P	P	06 45 09.5	0.0
445A	Amite	80.78	53	P	P	06 45 10.3	+0.9
IP07	Quail	80.79	41	eP	P	06 45 09.4	0.0
IP06	Yanceyville	80.80	41	eP	P	06 45 09.7	+0.3
MZR	Muzera	80.80	294	iP	P	06 45 10.1	+0.4
IP01	Cuckoo	80.81	40	eP	P	06 45 08.8	-0.7
PVY	Play	80.81	329	iP	P	06 45 09.0	-0.6
IKL	Iskili	80.83	316	iP	P	06 45 08.9	-0.7
CBN	Corbin Frederi	80.83	40	eP	P	06 45 09.8	+0.2
CBN	Corbin Frederi	80.83	40	eP	P	06 45 09.7	+0.2
STIP	Stip	80.83	327	iP	P	06 45 08.1	-1.5
544A	White Castle	80.83	54	P	P	06 45 11.1	+1.4
SKO	Skopje	80.85	328	iP	P	06 45 09.7	0.0
X52A	Danlona	80.85	46	P	P	06 45 10.0	-0.1
ISP	Isparta	80.89	319	iP	P	06 45 10.1	0.0
ISP	Isparta	80.89	319	iP	P	06 45 09.4	-0.7
ISP	Isparta	80.89	319	eP	P	06 45 09.3	-0.7
ISP	Isparta	80.89	319	eP	P	06 45 09.4	-0.7
ISP	Isparta	80.89	319	eP	P	06 45 09.4	-0.7
Y51A	Rockmart	80.90	48	P	P	06 45 09.7	-0.4
NKY	Niksic	80.94	330	iP	P	06 45 09.5	-0.8
SUTC	Sutluce-Ispart	80.98	319	eP	P	06 45 10.4	-0.2
IP05	Hopewell Churc	80.98	40	eP	P	06 45 10.1	-0.3
NKME	Niksic	81.00	330	iP	P	06 45 09.6	-0.9
SENIN	Lac Senin/Sane	81.01	339	eP	P	06 45 11.1	+0.4
Z50A	Ashland	81.01	49	P	P	06 45 10.4	-0.3
Z50A	Ashland	81.01	49	eP	P	06 45 10.4	-0.3
BRY	Bratogost	81.01	330	iP	P	06 45 09.7	-1.0
VAY	Viatodovo	81.02	327	iP	P	06 45 10.8	+0.2
BG3	Lake Joassee	81.03	46	eP	P	06 45 11.2	+0.5
248A	Dixon Mills	81.03	51	P	P	06 45 11.0	+0.2
149A	Jones	81.11	50	P	P	06 45 11.2	0.0
MANT	Manisa	81.15	321	eP	P	06 45 11.6	0.0
TEKE	Tekeli-Mersin	81.16	317	iP	P	06 45 10.8	-0.6
347A	Saraland	81.18	52	P	P	06 45 12.4	+0.8
EREN	Erkenoy	81.19	316	iP	P	06 45 11.7	+0.1
347A	Saraland	81.19	329	iP	P	06 45 10.9	-0.5
PDG	Podgorica	81.19	329	iP	P	06 45 10.9	-0.5
TTG	Podgorica	81.19	329	iP	P	06 45 10.9	-0.5
TTG	Podgorica	81.19	329	eP	P	06 45 10.9	-0.5
TTG	Podgorica	81.19	329	eP	P	06 45 10.9	-0.5
CEME	Cevo	81.20	330	iP	P	06 45 10.5	-1.1
446A	Poplarville	81.24	52	P	P	06 45 12.6	+0.7
X53A	Estanollee	81.25	46	P	P	06 45 12.3	+0.3
URVA	University of	81.29	40	eP	P	06 45 12.3	+0.3
Z51A	Franklin	81.32	48	P	P	06 45 12.1	-0.2
HQW	Hawqa	81.39	314	eP	P	06 45 12.3	-0.6
Y52A	Liburn	81.42	47	eP	P	06 45 12.8	-0.1
Y52A	Liburn	81.42	47	eP	P	06 45 12.7	-0.1
BUM	Brajioci-Budva	81.43	329	iP	P	06 45 12.2	-0.6
HCY	Herceg Novi	81.43	330	iP	P	06 45 11.4	-1.4
DRME	Dracevica, Mon	81.44	329	iP	P	06 45 12.4	-0.4
249A	Camden	81.44	50	P	P	06 45 13.5	+0.6
GAZI	Gazipasa	81.44	317	iP	P	06 45 11.9	-1.0
KRUS	Krusevo	81.45	327	iP	P	06 45 12.6	-0.4
150A	Eclectic	81.48	49	P	P	06 45 12.9	-0.2
348A	Jackson	81.50	51	P	P	06 45 13.9	+0.7
348A	Jackson	81.50	51	eP	P	06 45 14.2	+1.0
546A	Slidell	81.50	53	P	P	06 45 14.2	+1.0
NCAT	North Carolina	81.57	43	eP	P	06 45 13.6	0.0
447A	Luceate	81.60	52	P	P	06 45 14.6	+0.8
ULC	Ulcinj	81.61	329	iP	P	06 45 12.8	-1.0
KM5C	Kings Mountain	81.64	44	eP	P	06 45 13.8	-0.2
KM5C	Kings Mountain	81.64	44	eP	P	06 45 13.3	-0.7
645A	Chauvin	81.65	54	P	P	06 45 15.3	+1.2
Y53A	Monroe	81.65	47	P	P	06 45 14.0	0.0
KORT	Korkueil	81.66	319	iP	P	06 45 12.9	-1.3
Z52A	Williamson	81.79	48	P	P	06 45 14.8	0.0
STKA	Stevens Creek	81.83	193	P	P	06 45 14.5	-0.2
STKA	Stevens Creek	81.83	193	eP	P	06 45 14.5	-0.2
STKA	Stevens Creek	81.83	193	eP	P	06 45 15.0	+0.3
BHL	Bhannes	81.84	314	eP	P	06 45 15.1	0.0
OHR	Ohrid	81.84	328	iP	P	06 45 14.4	-0.5
QASN	Gassioun	81.84	313	eP	P	06 45 16.8	+1.6
250A	Grady	81.87	50	P	P	06 45 15.4	+0.2
250A	Grady	81.87	50	eP	P	06 45 15.6	+0.4
151A	Opelika	81.89	49	P	P	06 45 14.8	-0.5
448A	Bay Minette	81.90	51	P	P	06 45 16.4	+1.0
349A	Repton	81.91	51	P	P	06 45 16.2	+0.7
TOTH	TOTAH	81.91	313	eP	P	06 45 16.0	+0.5

MAMC	Mammari	81.92	316	P	P	06 45 15.2	-0.3
FNA	Florina	81.92	327	eP	P	06 45 14.7	-0.7
FNA	Florina	81.92	327	eP	P	06 45 14.7	-0.7
646A	Port Sulphur	81.96	54	P	P	06 45 17.8	+2.1
HODGE	Hodges	81.97	46	eP	P	06 45 15.4	-0.2
PPT	Papeete	81.99	129	LR	LR	07 15 20.3	
PPT2	Papeete2	82.01	129	eLR	LR	07 10 50.1	
PPT2	Papeete2	82.01	129	eT	T	08 15 56.8	
CSS	Mathiatis	82.04	316	iP	P	06 45 16.6	+0.5
CSS	Mathiatis	82.04	316	eP	P	06 45 16.1	0.0
CSS	Mathiatis	82.04	316	P	P	06 45 14.7	-1.4
GOGA	Godfrey	82.07	47	P	P	06 45 16.0	-0.2
GOGA	Godfrey	82.07	47	eP	P	06 45 15.7	-0.6
GOGA	Godfrey	82.07	47	eP	P	06 45 15.7	-0.6
GOGA	Godfrey	82.07	47	eP	P	06 45 15.7	-0.6
Y54A	Tignal	82.07	46	P	P	06 45 16.1	-0.2
152A	Waverly Hall	82.07	48	P	P	06 45 16.0	-0.2
152A	Waverly Hall	82.07	48	eP	P	06 45 16.1	-0.2
RCB	Rachaya	82.08	313	eP	P	06 45 16.6	+0.1
BRBY	Barbar	82.10	313	eP	P	06 45 17.3	+0.6
LEF	Lefka	82.11	316	iP	P	06 45 15.6	-0.8
QRWL	Qaraoun	82.12	313	eP	P	06 45 16.9	+0.3
LIT	Litokhoron	82.12	326	eP	P	06 45 15.3	-1.2
LIT	Litokhoron	82.12	326	eP	P	06 45 15.3	-1.2
LIT	Litokhoron	82.12	326	eP	P	06 45 15.3	-1.2
BRAL	Brewton	82.12	51	P	P	06 45 17.5	+1.0
BRAL	Brewton	82.12	51	eP	P	06 45 16.6	+0.1
Z53A	Monticello	82.13	47	P	P	06 45 16.4	-0.1
251A	Midway	82.20	49	P	P	06 45 16.7	-0.2
ALFC	Aleka	82.22	317	P	P	06 45 16.1	-0.9
SHBL	Cheeba	82.25	313	eP	P	06 45 17.6	+0.2
350A	Dozier	82.28	50	P	P	06 45 18.1	+0.7
VLC	Villacollemand	82.29	336	eP	P	06 45 17.6	+0.3
449A	Pace	82.37	51	P	P	06 45 19.0	+1.2
BNI	Bardonecchia	82.39	339	eP	P	06 45 18.3	+0.4
JSC	Jenkinsville	82.39	45	eP	P	06 45 17.4	-0.5
JSC	Jenkinsville	82.39	45	eP	P	06 45 17.4	-0.5
JSC	Jenkinsville	82.39	45	eP	P	06 45 17.4	-0.5
SKAC	Souni	82.42	316	P	P	06 45 16.3	-1.8
AKMC	Akamaz	82.44	317	P	P	06 45 17.6	-0.6
Z54A	Sparta	82.51	47	P	P	06 45 18.8	+0.2
153A	Fort Valley	82.52	48	P	P	06 45 18.8	0.0
PPCY	Papagos	82.56	317	P	P	06 45 17.0	-1.7
252A	Lumpkin	82.61	49	P	P	06 45 19.0	-0.1
450A	Crestview	82.65	51	P	P	06 45 20.5	+1.1
ASF	Jabal Al Asfar	82.66	312	P	P	06 45 20.1	+0.6
MMAI	Mount Meron Ar	82.69	313	P	P	06 45 20.2	+0.6
351A	Pinckard	82.77	50	P	P	06 45 20.6	+0.7
253A	Americus	82.85	48	eP	P	06 45 20.5	+0.1
253A	Americus	82.85	48	eP	P	06 45 19.4	-1.0
Z55A	Blythe	82.86	46	P	P	06 45 20.8	+0.5
154A	Montrose	82.90	47	P	P	06 45 20.7	+0.1
154A	Montrose	82.90	47	eP	P	06 45 20.4	-0.2
MS1	Monte Sant'Ang	82.92	331	eP	P	06 45 20.0	-0.7
352A	Blakely	82.94	49	eP	P	06 45 21.1	+0.3
352A	Blakely	82.94	49	eP	P	06 45 21.1	+0.3
CNNC	Cliffs of the	83.11	42	eP	P	06 45 21.7	+0.1
CNNC	Cliffs of the	83.11	42	eP	P	06 45 22.1	+0.5
AQU	L'Aquila	83.11	333	eP	P	06 45 22.0	+0.4
AGG	Agios Georgios	83.13	326	eP	P	06 45 19.9	-1.8
AGG	Agios Georgios	83.13	326	eP	P	06 45 19.9	-1.8
AGG	Agios Georgios	83.13	326	eP	P	06 45 19.9	-1.8
MMLI	Mont Malkishu	83.15	313	iP	P	06 45 22.9	+1.0
BAI	Bari	83.17	330	eP	P	06 45 21.9	+0.1
155A	Kite	83.19	47	P	P	06 45 22.4	+0.3
451A	Vernon	83.23	50	P	P	06 45 22.9	+0.6
FASA	Fasano	83.27	330	eP	P	06 45 21.8	-0.6
452A	Marianna	83.32	50	P	P	06 45 23.2	+0.4
254A	Abbeville	83.36	48	P	P	06 45 23.2	+0.3
CGL1	Ceglie Messapi	83.38	330	eP	P	06 45 23.2	+0.3
353A	Camilla</						

20d 6h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various stations and their associated data points.

ISCJB 20 06:46:06.9, 0.7, 43.33N, 0.03, 74.01E, 0.03, h6km, 3km, Error ellipse: s-maj=4.6km s-min=3.0km az=159.3

SOME 20 06:46:06.8, 43.35N, 74.07E, h10km, KRNET 20 06:46:07.0, 0.1, 43.34N, 74.04E, h26km, mb3.2

NINC 20 06:46:07.1, 0.8, 43.30N, 74.07E, h15km, 5km, mb3.4, mpv2.8, Error ellipse: s-maj=5.4km s-min=2.3km az=174.0

ISC 20 06:46:06.9, 1.1, 43.34N, 0.03, 74.07E, 0.02, h11km, 9km, n50, c062/87, 39C-18Z, Central Kazakhstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations and their data points.

2012 JUL

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations and their data points.

MEX 20 06:46:11.2, 0.3, 16.20N, 98.13W, h3km, 4km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations and their data points.

BUI 20 06:50:13.6, 24.55N, 142.05E, h128km, mb4.9/49, mB5.3/12

IDC 20 06:50:15.8, 0.6, 24.65N, 141.41E, h107km, 5km, mb4.6/30, mb1.4, 7/34, mb1mx4.5, 66m, mbtmp4.9/34, Error ellipse: s-maj=12.7km s-min=8.1km az=91.0

JMA Feil 1, JMA Feil 1, JMA Feil 1, JMA Feil 1, JMA Feil 1, JMA Feil 1, JMA Feil 1, JMA Feil 1, JMA Feil 1, JMA Feil 1

ISCJB 20 06:50:16.1, 0.6, 24.68N, 0.03, 141.55E, 0.02, h113km, 4km, mb4.9/274, Error ellipse: s-maj=5.2km s-min=3.1km az=162.0

NEIC 20 06:50:18.5, 0.7, 24.65N, 141.52E, h124km, 6km, mb4.9/228, Error ellipse: s-maj=4.2km s-min=3.5km az=136.0

NEIC Recorded [1 JMA] in the Hahajima-retto, MOS 20 06:50:19.0, 1.2, 24.66N, 141.36E, h146km, mb4.9/52, Error ellipse: s-maj=9.0km s-min=5.5km az=102.6

ISC 20 06:50:16.9, 0.5, 24.65N, 0.04, 141.55E, 0.05, h115km, 4km, mb2.8, c1528/657, mb4.9/275, 5C-5D, Volcano Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations and their data points.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations and their data points.

20d 6h

2012 JUL

Table with columns: Station Name, Frequency, Power, Direction, and Date/Time. Includes stations like KCPM, OBN, H02D, K04D, J05D, PINE, C09A, WDC, WDC, M04C, K05A, ZEI, G08A, E09A, MZR, O03D, KBZ, KVAR, KIV, MOD, ORV, FIA1, FINES, FINES, F10A, J08A, AFDM, BMO, BMO, BEKR, WVOR, WVOR, WVAL, JTM1, CMB, CMB, CMB, VCNR, PAHR, PNTR, YERR, WAKR, MSO, MSO, MFD, PAGB, RYN, MDPB, OMMB, KVN, KVN, KVN, MLCN, NV01, NVAR, NVAR, NVAR, SMMC, NV11, HLID, HLID, PKM, HRY, VES, LRM, SUMG, SUMG, TIN, SBC, DLMT, MCMT, SCZ2, CWC, ARVC, ISA, ISA, ISA, EGMT, EGMT.

Table with columns: Station Name, Frequency, Power, Direction, and Date/Time. Includes stations like BOZ, BOZ, BOZ, GRAC, OSI, DAC, MPMC, FFC, QLMT, LRM, EDW2, YHB, AKASG, AKASG, AKAB, FURC, KIEV, KIEV, KIEV, AK11, R11A, R11A, YMR, TPNV, TPNV, YFT, HVU, GCMT, H17A, GSC, GSC, RRR, FXWY, BGU, SHOC, SNOW, LOHW, BBRC, RLMT, RLMT, AHD, MURC, HEC, DUG, DUG, DUG, HFS, NC405, PSUT, SHPR, NC303, HWUT, NB201, NC204, RAYN, RAYN, RAYN, NB2, NB2, NOA, 109C, CPE, PFD, PFO, PFO, XPFO, CTU, TCUT, GMRC, ILULI, ILULI, ILULI, NLU, BELC, BAR, JLU, LDFC, MONP, LAO, LAO, BW06, BW06, PD31, PDAR, PDAR, PDAR, CCUT.

Table with columns: Station Name, Frequency, Power, Direction, and Date/Time. Includes stations like MPU, DGMT, DGMT, SZCU, IKP, IRM, BC3, LCMT, MSU, SWSC, NEE2, MTPU, KNB, TMUT, PKCU, P17A, Y12C, Y12C, PDMC, BR131, BRTR, BRTR, GLA, GLA, GLA, GLA, P18A, SRU, SRU, SRU, BUR08, BUR04, K22A, O20A, O20A, WUAZ, WUAZ, PV09, PV21, PV23, PV14, PV20, PV19, PV17, RSSD, RSSD, RSSD, PV11, PV18, PV03, PV13, PV02, PV01, N23A, N23A, ULMC, SLMC, MVCO, MVCO, W18A, ISCO, ISCO, ISCO, S22A, S22A, TUC, TUC, TUC, A33A, AGMN, AGMN, Q24A, C33A, B34A, SDCO, SDCO, C34A, OGNB, B35A, G32A, H3G, C35A, TASM.

Table with columns: ANMO, Albuquerque, 92.42, 50, P, P, 07 03 16.3 +1.0, etc. Includes station names like Snake Pit, Wadena, Trinidad, etc.

IDC 20:06:51:02.3:2.2, 54:02S, 29:65W, h0km, mb4.2/1, mb1.4/2.1, mb1mx3.6/37, mbtmp4.2/1, Error ellipse: s-maj=114.1km s-min=75.5km az=139.0, South Sandwich Islands region

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

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RCBR, PTGA, BDFB, H10N3, etc.

Table with columns: N41A, W40A, W40A, G42A, R40A, PLCA, PLCA, PLCA, JFWS, JFWS, JFWS, P40A, W39A, F41A, L40A, COWI, S39A, TIP, G40A, N39A, P38A, N37A, GEA0, GERES, KHC, KHC, KHC, KHC, SPMM, CLL, CLL, CLL, F36A, KSU1, D36A, TTG, TTG, G35A, TSUM, WMOK, WMOK, WMOK, ECSD, BGNE, VYHS, VYHS, VYHS, ULM, ULM, NC602, NC602, NB2, NB2, NOA, TX31, TXAR, MLR, MLR, MLR, BUR08, BUR04, SDCO, ANMO, ANMO, ANMO, KIEV, KIEV, AKASO, BRTR, BRTR, BRTR, BOSA, BOSA, BOSA, BOSA, YKA, KLMR, KLMR, KLMR, KLVN, KLVN, NVAR, KIV, KIV, KIV, KIV, KIV

Table with columns: SMAA, Simav-Kutahya, Sg, Sg, 10 47 11.2 -0.1, 31.52 64 LR, 11 10 35.2, MNMC Minye Minye, 5.58 336 ePn, Pn, 11 37 15.7 +0.4

WEL 20 10:51:20.3±1.1, 38°S×9°18'0W±, h33km, ML3.9±0.5, East of North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, Res, 1.30 262 P, 10 51 42.5 +0.3, 1.39 273 P, 10 51 59.5 +1.1, 1.48 253 S, 10 51 59.9 -0.5

IDC 20 10:51:23.1±2.2, 35°15'S×179°23'W, h0km, mb4.5/3, mb1 4.6/4, mb1mx3.9/4.1, mbtmp4.4/4, ML4.1, MS3.6/6, Ms1 3.6/6, ms1mx3.1/3.7, Error ellipse: s-maj=60.0km s-min=42.6km az=152.0

ISCJB 20 10:51:27.0±1.3, 35°06'S×07°17'W±2.0', h42km, mb4.4/3, MS3.6/5, Error ellipse: s-maj=21.7km s-min=7.7km az=16.4

WEL 20 10:51:28.9±1.3, 35°05'S×9°17'W±1.5, h33km, ML4.6/14, ISC 20 10:51:28.6±1.6, 35°05'S×9°17'W±0.2, h42km, n31, ±108.3°/2, mb4.5/3, MS3.6/5, East of North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, Res, 3.24 220 P, 10 52 16.3 +0.5, 3.38 216 P, 10 52 53.6 -0.6, 3.60 219 P, 10 52 22.0 0.0, 3.66 215 P, 10 52 22.3 -0.3

Table with columns: PPT Papeete, 31.52 64 LR, 11 10 35.2, CTA Charters Tower, 33.96 287 P, 10 58 08.9 +0.7, ASAR Alice Springs, 42.17 273 P, 10 59 16.4 -0.8

IDC 20 10:53:14.6±7.6, 7°28'S×150°45'E, h54km, mb3.6/3, mb1 4.0/4, mb1mx3.4/4.5, mbtmp4.0/4.0, ML1.8/1, Error ellipse: s-maj=90.5km s-min=37.9km az=126.0, New Britain region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, Res, 3.88 237 P, 10 54 12.4 +0.6, 5.4nm, 0.3s, baz=61, slow=7.4, SNR=10, 11nm, 0.3s, baz=169, slow=22, SNR=9

IDC 20 10:58:11.1±7.2, 15°66'S×178°11'W, h0km, mb3.8/3, mb1 4.1/3, mb1mx3.6/4.5, mbtmp3.8/3, MS3.4/5, Ms1 3.4/5, ms1mx3.2/3.4, Error ellipse: s-maj=336.4km s-min=36.2km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, Res, 22.28 284 Op, 11 10 45.2, 22.90 190 LR, 11 09 56.6, 39.99 239 LR, 11 20 49.8, 45.26 252 P, 11 06 31.3 -0.3

SJA 20 11:35:52.6±0.8, 24°25'S×66°9'W, h224km±13km, ML4.1, MW4.0, ISCJB 20 11:35:52.9±0.2, 24°25'S×02°67'W±0'03, h185km±2km, mb4.4/3, Error ellipse: s-maj=4.5km s-min=2.6km az=167.4

NEIC 20 11:35:52.7±0.5, 24°28'S×66°9'W, h162km±4km, mb4.6/27, MD4.1(SJA), Error ellipse: s-maj=7.3km s-min=5.1km az=81.0

BUI 20 11:35:52.4±24.30'S×67°00'W, h160km, mb4.8/1, GUC 20 11:35:55.4±0.6, 24°17'S×67°59'W, h208km±13km, ML4.9, IDC 20 11:35:55.3±1.8, 24°12'S×66°8'W, h185km±15km, mb4.0/13, mb1 4.1/17, mb1mx3.9/4.3, mbtmp4.4/17, Error ellipse: s-maj=20.1km s-min=10.4km az=72.0

ISC 20 11:35:53.6±0.7, 24°27'S×004°67'20'W±0.04, h173km±6km, n413, ±1923/453, mb4.5/34, 11C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, Res, 1.61 107 P, 11 36 28.6 +2.4, 1.36 29.7, 1.36 54.2 +2.8, 1.36 32.0 +1.9, 1.36 34.0, 1.37 00.7 +2.5, 1.36 36.7 +2.2, 1.37 08.9 +2.7, 1.36 37.0 +2.5, 1.37 10.3 +2.9, 1.36 39.2 +1.7, 1.37 14.2 +2.7, 1.36 40.4 +2.2, 1.37 13.8 +1.0, 1.37 16.5, 1.36 42.2 +1.6, 1.37 19.6 +0.8, 1.36 43.2 +1.6, 1.37 19.0 +0.2, 1.37 24.0, 1.37 28.0 +4.6, 1.38 04.3 +4.5, 1.36 44.7 +1.5, 1.37 21.0 +0.9, 1.36 44.8 +1.6, 1.37 21.5 -0.3, 1.37 25.6, 1.36 45.9 +1.9, 1.37 23.9 +0.8, 1.36 45.8 +1.9, 1.37 23.7 +0.6, 1.37 27.4, 1.36 46.4 +1.5, 1.37 24.8 -0.1, 1.37 28.2, 1.36 47.6 +1.5, 1.36 47.5 +1.3, 1.37 27.2 +0.1, 1.36 47.5 +1.3, 1.37 26.4 -0.7, 1.37 36.6, 1.36 50.1 +1.3, 1.37 31.0 -0.9, 1.36 53.4 +0.7, 1.37 38.4 -0.3, 1.36 53.9 +0.7, 1.37 37.9 -0.8, 1.36 56.6 -0.3, 1.37 45.4 -1.1, 1.36 58.6 +0.3, 1.37 48.4 -0.6, 1.37 00.4 +1.5, 1.37 49.2 -0.9, 1.37 04.3 +2.7, 1.37 05.2, 1.37 57.4 +2.5, 1.37 07.6 -0.4, 1.38 03.3 -3.1, 1.37 13.1 +0.4, 1.38 13.9 +0.7

Table with columns: TCA Tanti, 7.41 162 i P, 11 37 38.5 -0.6, TCA comp=Z, 35nm, 0.4s, TCA RTCV Cerro Valdivia, 7.66 189 eP, 11 37 42.3 -0.1, RTCV Leontico, 7.73 193 eP, 11 37 44.0 -0.3, RTLS Leontico, 7.73 193 eP, 11 39 08.1 -2.3, RTLS comp=Z, 27nm, 0.4s, ACAN Cantantal, 7.98 180 i P, 11 37 45.7 -0.9, ACAN La Paz, 7.99 354 eP, 11 37 48.1 -0.7, LPAZ comp=Z, 8.8nm, 0.3s, baz=159, slow=9.3, SNR=141, LPAZ La Paz, 7.99 354 eP, 11 37 47.8 +0.3, LPAZ comp=Z, 1.3nm, 0.3s, baz=243, slow=18, SNR=3.7, LPAZ La Paz, 7.99 354 eP, 11 39 15.0 -2.3, LPAZ comp=Z, 2.0nm, 0.3s, baz=270, slow=12, SNR=10, LPAZ San Martin, 8.22 171 eP, 11 37 48.5 -1.5, MRA comp=Z, 17nm, 0.4s, ASAL Sagasta, 8.62 189 i P, 11 37 52.5 0.0, ARCO CERRO ARCO, 8.62 189 eP, 11 39 29.9 -3.2, ARCO Agrelo, 8.90 189 i P, 11 37 59.2 +0.4, CPUP Villa Florida, 9.16 105 P, 11 38 00.7 -1.6, CPUP comp=Z, 0.7nm, 0.3s, baz=229, slow=12, SNR=20, CPUP Villa Florida, 9.16 105 eP, 11 38 00.6 -1.7, ROCI El Roble, 9.30 200 eP, 11 38 02.8 -1.5, ROCI San Ignacio, 10.04 36 P, 11 38 11.8 -2.1, SIV comp=Z, 3.6nm, 0.3s, baz=227, slow=12, SNR=79, SIV comp=Z, 0.4nm, 0.3s, baz=243, slow=18, SNR=2, SIV Torquist, 14.45 163 eP, 11 39 09.0 -1.1, SAML San Martin, 15.71 15 eP, 11 39 24.3 -1.5, PLCA comp=Z, 9.2nm, 1.2s, PLCA Paso Flores, 16.66 189 P, 11 39 37.7 +0.6, PLCA comp=Z, 0.6nm, 0.3s, baz=270, slow=12, SNR=10, PLCA Paso Flores, 16.66 189 eP, 11 39 36.2 -0.3, SPB Sao Paulo, 18.08 92 eP, 11 39 50.1 -2.1, SPB comp=Z, 27nm, 1.0s, BDFB Brasilia, 19.95 68 eP, 11 40 19.9 -1.7, BDFB comp=Z, 144nm, 1.1s, PTGA Pitinga, 24.42 18 P, 11 40 55.1 -1.3, PTGA comp=Z, 2.0nm, 0.4s, baz=243, slow=17, SNR=6.2, PTGA Pitinga, 24.42 18 eP, 11 40 54.9 -1.4, RUSC La Rusia, 30.52 348 P, 11 41 50.9 -0.4, HELC comp=Z, 2.3nm, 0.8s, HELC Santa Helena, 31.34 344 eP, 11 41 56.9 -1.4, SDV Santo Domingo, 31.32 354 eP, 11 42 10.3 -3.3, VNA3 Neumayer Olymp, 56.96 161 P, 11 45 21.2 +0.7, VNA1 Neumayer-Stat, 57.16 160 P, 11 45 22.1 +0.2, ZAIG Zacatecas, 58.02 321 eP, 11 45 28.2 -0.6, 152A Waverly Hall, 59.03 343 P, 11 45 34.7 -0.6, Z54A Sparta, 59.09 345 P, 11 45 35.4 -0.3, SNA4 Sanae, 59.16 161 P, 11 45 36.4 +0.6, SNA4 Sanae, 59.16 161 eP, 11 45 36.3 +0.6, SNA4 comp=Z, 4.0nm, 0.6s, baz=270, slow=6.8, SNR=13, SNA4 Sanae, 59.16 161 eP, 11 45 34.1 -1.7, 150A Eclectic, 59.34 342 P, 11 45 37.2 -0.2, GOGA Godfrey, 59.41 344 P, 11 45 37.3 -0.6, Z52A Williamson, 59.45 343 P, 11 45 37.7 -0.5, 149A Jones, 59.56 341 P, 11 45 38.1 -0.8, Y54A Tignall, 59.65 345 P, 11 45 39.2 -0.4, Y53A Monroe, 59.87 344 P, 11 45 40.5 -0.5, Z50A Ashland, 59.92 342 P, 11 45 40.7 -0.6, Y52A Lilburn, 60.00 344 P, 11 45 41.4 -0.5, LRLAL Lakeview Retre, 60.03 341 P, 11 45 41.5 -0.7, Z49A Columbian, 60.04 341 P, 11 45 41.5 -0.7, 245A Little Ap, Sta, 60.04 338 P, 11 45 41.9 -0.3, 147A Livingston, 60.09 340 P, 11 45 42.0 -0.8, Y51A Rookmart, 60.29 343 P, 11 45 43.6 -0.3, X53A Estanollum, 60.42 345 P, 11 45 44.3 -0.4, Z48A Northport, 60.52 340 P, 11 45 44.9 -0.4, Y49A Blount Mountain, 60.63 342 P, 11 45 45.7 -0.5, X52A Dahlonna, 60.66 344 P, 11 45 46.1 -0.3, 833A Chaparral WMA, 60.79 327 eP, 11 45 48.0 +0.6, 833A Chaparral WMA, 60.79 327 eP, 11 45 48.0 +0.6, X51A Calhoun, 60.87 343 eP, 11 45 47.3 -0.4, X51A Calhoun, 60.87 343 eP, 11 45 47.0 -0.7, X50B Fort Payne, 60.98 343 P, 11 45 47.9 -0.7, W53A Cullowhee, 61.02 345 P, 11 45 48.5 -0.5, Y47A UCFARC, Winfie, 61.09 340 P, 11 45 48.8 -0.4, W52A Murphy, 61.13 344 P, 11 45 49.2 -0.3, X49A Woodville, 61.22 342 P, 11 45 49.5 -0.6, X48A Hartselle, 61.36 341 P, 11 45 50.8 -0.3, X48A Hartselle, 61.36 341 eP, 11 45 50.6 -0.5, W51A Cleveland, 61.40 344 P, 11 45 51.0 -0.3, V50A Saluda, 61.42 346 P, 11 45 51.1 -0.4, W50A Signal Mountain, 61.59 343 P, 11 45 52.3 -0.3, TKL Tuckaleechee C, 61.63 345 P, 11 45 52.5 -0.4, X47A Rookmart, 61.67 341 P, 11 45 52.7 -0.4, V52A Sevierville, 61.76 345 P, 11 45 53.3 -0.5, W49A Belvidere, 61.77 342 P, 11 45 53.4 -0.4, W48A Pulaski, 61.97 342 P, 11 45 54.8 -0.4, V50A Pikeville, 61.98 344 P, 11 45 54.9 -0.3, U53A Fall Branch, 62.03 346 P, 11 45 55.2 -0.4, OXF Oxford, 62.15 339 P, 11 45 55.9 -0.4, U52A Thorn Hill, 62.24 345 P, 11 45 56.4 -0.6

20d 11h

W47A	Westpoint	62.27 341	P	P	11 45 56.3	-0.8
V49A	McMillnville	62.28 343	P	P	11 45 56.3	-0.9
U51A	La Follette	62.38 345	P	P	11 45 57.8	-0.1
TZTN	Tazewell	62.42 345	P	P	11 45 57.3	-0.8
V48A	Smith Brothers	62.51 342	P	P	11 45 58.2	-0.5
U50A	Jamestown	62.61 344	P	P	11 45 59.3	-0.1
IP06	Yanceyville	62.70 350	eP	P	11 46 02.3	+2.4
JCT	Junction City	62.78 328	eP	P	11 46 00.6	0.0
JCT	Junction City	62.78 328	eP	P	11 46 01.5	+0.8
V47A	Nunnely	62.79 341	P	P	11 45 59.7	-0.8
T51A	Gray	62.92 345	P	P	11 46 01.0	-0.4
V46A	Holladay	62.94 341	P	P	11 46 00.7	-0.8
U49A	Red Boiling Sp	62.95 343	P	P	11 46 01.1	-0.5
WHTX	Lake Whitney,	62.98 331	P	P	11 46 02.0	+0.2
U48A	Cassie Pea, Po	63.15 343	P	P	11 46 02.5	-0.5
WVT	Waverly	63.16 341	P	P	11 46 02.0	-1.0
WVT	Waverly	63.16 341	eP	P	11 46 02.4	-0.6
T50A	Nancy	63.19 344	P	P	11 46 02.2	-1.0
U47A	Clarksville	63.29 342	P	P	11 46 03.0	-0.9
T49A	Edmonton	63.44 344	P	P	11 46 03.9	-0.9
MIAR	Mount Ida	63.63 336	P	P	11 46 05.7	-0.4
U45A	Rockin P Farm,	63.64 341	P	P	11 46 06.2	+0.1
T48A	Bowling Green	63.67 343	P	P	11 46 05.9	-0.4
S50A	Richmond	63.71 345	P	P	11 46 05.9	-0.7
W41B	Gary Mavity, V	63.71 337	P	P	11 46 05.8	-0.8
T47A	Sharon Grove	63.75 342	P	P	11 46 06.3	-0.6
T47A	Sharon Grove	63.75 342	eP	P	11 46 06.5	-0.3
TXAR	Lajitas Array	63.79 325	P	P	11 46 08.3	+0.9
TX31	Lajitas Ar. Si	63.79 325	eP	P	11 46 08.1	+0.7
X39A	Fountain Ranch	63.80 335	P	P	11 46 07.9	+0.7
V42A	Cord	63.98 338	P	P	11 46 07.1	-1.3
S49A	Springfield	64.02 344	P	P	11 46 07.5	-1.1
T46A	Princeton	64.03 342	P	P	11 46 07.6	-1.0
S48A	Wiedeman Farm,	64.10 343	P	P	11 46 08.3	-0.8
R51A	Hillsboro	64.11 346	P	P	11 46 08.6	-0.6
V41A	Mountainview	64.22 338	P	P	11 46 09.4	-0.6
S47A	Hartford	64.26 343	P	P	11 46 09.0	-1.2
R50A	Paris	64.26 345	P	P	11 46 09.5	-0.7
W39A	Magazine	64.28 336	P	P	11 46 10.5	+0.1
W39A	Magazine	64.28 336	eP	P	11 46 11.8	+1.4
U42A	Reverden	64.43 339	P	P	11 46 11.1	-0.2
V40A	Witts Springs	64.48 337	P	P	11 46 10.9	-0.8
U41A	Viola	64.65 338	P	P	11 46 12.5	-0.2
WC1	Wyandotte Cave	64.70 343	P	P	11 46 12.1	-0.9
Q50A	Georgetown	64.72 346	P	P	11 46 12.3	-0.8
Q51A	Peebles	64.75 346	P	P	11 46 12.9	-0.4
R48A	Northridge Ran	64.75 344	P	P	11 46 12.6	-0.8
T43A	Greenville	64.79 340	P	P	11 46 12.9	-0.7
V39A	Pettigrew	64.81 336	P	P	11 46 13.7	-0.1
S45A	Carrier Mills	64.81 341	P	P	11 46 12.8	-1.0
R47A	Wooly Knot Far	64.82 343	P	P	11 46 12.8	-1.0
U40A	Yellville	64.98 337	P	P	11 46 14.4	-0.5
T42A	Van Buren	65.00 339	P	P	11 46 14.3	-0.6
Q49A	Aurora	65.09 345	P	P	11 46 14.6	-0.9
S43A	Fulton Ridge,	65.17 340	P	P	11 46 15.4	-0.6
Q48A	North Vernon	65.22 344	P	P	11 46 15.6	-0.7
T41A	Mountain View	65.23 339	P	P	11 46 15.8	-0.7
U39A	Green Forest	65.23 337	P	P	11 46 16.4	-0.1
R45A	Skylar, Fairri	65.30 342	P	P	11 46 16.5	-0.4
P50A	Jamestown	65.41 346	P	P	11 46 17.0	-0.6
R44A	Waltonville	65.49 341	P	P	11 46 17.2	-0.9
P49A	Miami Univ. Ec	65.55 345	P	P	11 46 17.3	-1.2
S42A	Caledonia	65.58 340	P	P	11 46 17.9	-0.8
P48A	Milroy	65.65 345	P	P	11 46 17.8	-1.3
S41A	Jilco Farms,	65.72 339	P	P	11 46 19.2	-0.4
T39A	Cleve	65.77 337	P	P	11 46 19.8	-0.1
ACSO	Alum Creek Sta	65.83 347	P	P	11 46 19.7	-0.6
P47A	Martinsville	65.88 344	P	P	11 46 20.0	-0.6
O50A	Cable	65.89 346	P	P	11 46 20.2	-0.4
WMOK	Wichita Mounta	65.89 332	P	P	11 46 20.7	-0.1
QSPA	South Pole Qui	65.94 180	P	P	11 46 22.3	+1.4
QSPA	South Pole Qui	65.94 180	eP	P	11 46 21.9	+1.1
N54A	Moraine State	65.98 349	P	P	11 46 21.6	+0.5
CCM	Cathedral Cave	65.98 339	P	P	11 46 21.8	+0.5
CCM	Cathedral Cave	65.98 339	eP	P	11 46 21.8	+0.5
S40A	Lebanon	65.98 338	P	P	11 46 21.1	-0.1
R42A	Luebbering	66.04 340	P	P	11 46 21.5	-0.1
Q44A	Meyer Farm, Va	66.08 342	P	P	11 46 21.7	-0.2
T38A	Diamond	66.11 337	P	P	11 46 22.2	+0.1
R41A	Rosebud	66.24 339	P	P	11 46 22.7	-0.3
Q45A	Graceand, Par	66.30 343	P	P	11 46 22.6	-0.7
P48A	Farmland	66.34 345	P	P	11 46 22.7	-0.8
S39A	Bolivar	66.35 338	P	P	11 46 23.7	+0.1
S39A	Bolivar	66.35 338	eP	P	11 46 23.8	+0.2
N50A	Nevada	66.39 347	P	P	11 46 22.9	-0.9

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P44A	Sand Creek, Wi	66.49 342	P	P	11 46 24.2	-0.3
S38A	Stockton	66.50 337	P	P	11 46 24.4	-0.2
R40A	Maddies Station	66.53 339	P	P	11 46 24.5	-0.2
Q42A	Golden Eagle	66.54 340	P	P	11 46 24.4	-0.4
MNTX	Cornudas Mount	66.56 325	P	P	11 46 25.0	-0.1
MNTX	Cornudas Mount	66.56 325	eP	P	11 46 25.4	+0.2
BINY	Binghamton	66.63 353	P	P	11 46 25.6	+0.3
Q41A	Truxton	66.80 340	P	P	11 46 25.9	-0.5
R39A	Chumby, Stover	66.81 338	P	P	11 46 26.2	-0.3
R38A	Fenwick Farm,	66.99 337	P	P	11 46 27.6	-0.1
MSTX	Muleshoe	67.07 328	P	P	11 46 28.8	+0.4
MSTX	Muleshoe	67.07 328	eP	P	11 46 29.2	+0.8
P42A	Winchester	67.10 341	P	P	11 46 27.5	-0.8
Q40A	Laux Farm, Aux	67.10 339	P	P	11 46 28.0	-0.3
M49A	Liberty Center	67.23 346	P	P	11 46 28.6	-0.5
AMTX	Amarillo	67.31 330	P	P	11 46 29.2	-0.7
P41A	Barry, Barry	67.40 340	P	P	11 46 29.6	-0.6
Q39A	Willow Grove F	67.45 338	P	P	11 46 30.4	-0.1
N45A	Kentland	67.48 343	P	P	11 46 30.2	-0.5
P40A	Paris	67.58 339	P	P	11 46 31.2	-0.1
Q38A	Cooks Store, C	67.59 338	P	P	11 46 31.5	+0.1
P39B	Salisbury	67.77 339	P	P	11 46 32.2	-0.3
Q37A	Longview Farm,	67.80 337	P	P	11 46 32.2	-0.6
N43A	Stutzman Famil	68.01 342	P	P	11 46 33.4	-0.6
O40A	La Belle	68.06 340	P	P	11 46 33.8	-0.5
M44A	Midewin, Midew	68.12 343	P	P	11 46 34.7	0.0
P38A	Dawn	68.15 338	P	P	11 46 34.8	-0.2
O39A	Kirkville	68.40 339	P	P	11 46 35.2	-1.2
M43A	Waltham Townsh	68.42 343	P	P	11 46 36.0	-0.5
121A	Cookes Peak, D	68.49 324	P	P	11 46 39.0	+1.6
Q38A	Galt	68.58 339	P	P	11 46 37.2	-0.4
M42A	Sheffield	68.66 342	P	P	11 46 37.1	-0.9
N40A	Mertquake, Sal	68.67 340	P	P	11 46 37.2	-0.9
M41A	Milan	68.81 341	P	P	11 46 38.1	-0.8
N39A	Derby Farms, D	68.85 340	P	P	11 46 39.3	-0.5
L43A	Garden Prairie	69.05 343	P	P	11 46 39.9	-0.6
M40A	Post Highland	69.12 341	P	P	11 46 40.2	-0.7
L42A	Oliver, Polo	69.14 342	P	P	11 46 40.4	-0.6
L41A	Preston	69.44 342	P	P	11 46 42.2	-0.6
L40A	Anamosa	69.64 341	P	P	11 46 43.5	-0.6
TASL	Snake Pit, Alb	69.67 326	P	P	11 46 46.1	+1.5
ANMO	Albuquerque	69.67 326	P	P	11 46 45.8	+1.2
ANMO	Albuquerque	69.67 326	eP	P	11 46 46.2	+1.6
TASM	ASL Pad, Albuq	69.67 326	P	P	11 46 46.1	+1.5
CBKS	Cedar Bluff	69.76 333	P	P	11 46 45.6	+0.7
K42A	Prairie Point,	69.77 343	P	P	11 46 44.6	-0.2
K41A	Shullsburg	69.88 342	P	P	11 46 45.2	-0.2
M37A	Trindle Farm,	69.93 339	P	P	11 46 45.9	+0.1
L39A	Vinton	69.93 341	P	P	11 46 45.2	-0.6
TUC	Tucson	69.98 322	P	P	11 46 48.2	+1.7
TUC	Tucson	69.98 322	eP	P	11 46 48.4	+2.0
JFWS	Jew Farm	70.14 342	P	P	11 46 46.9	-0.2
K40A	Colesburg	70.20 341	P	P	11 46 46.9	-0.5
J42A	Columbus	70.21 343	P	P	11 46 47.3	-0.2
L38A	Oak Wood Farm,	70.24 340	P	P	11 46 47.4	-0.3
T25A	Trinidad	70.42 329	P	P	11 46 50.9	+1.7
T25A	Trinidad	70.42 329	eP	P	11 46 51.1	+1.9
K39A	Olwein	70.42 341	P	P	11 46 48.0	-0.8
L37A	Phoenix Point,	70.48 339	P	P	11 46 48.4	-0.7
I43A	Langenfeld Bro	70.49 344	P	P	11 46 48.5	-0.7
J41A	Loganville	70.50 343	P	P	11 46 48.7	-0.5
K38A	Parkersburg	70.64 340	P	P	11 46 49.2	-0.9
I42A	Draeger Farm,	70.69 344	P	P	11 46 50.0	-0.4
J40A	St. Ringers Grove	70.73 342	P	P	11 46 49.9	-0.7
L36A	Harm Buss Farm	70.75 339	P	P	11 46 50.5	-0.3
H43A	Windswept, Lux	70.95 345	P	P	11 46 51.3	-0.6
J39A	Decorah	70.95 341	P	P	11 46 51.5	-0.5
K37A	Belmond	71.02 340	P	P	11 46 51.8	-0.6
H41A	Arkdale	71.10 343	P	P	11 46 52.6	-0.3
I40A	Norwalk	71.15 342	P	P	11 46 52.6	-0.5
J38A	Wedel Dairy, R	71.16 341	P	P	11 46 52.7	-0.5
K36A	Gilmore City	71.16 339	P	P	11 46 53.2	-0.1
H42A	Shiocton	71.17 344	P	P	11 46 52.9	-0.3
I39A	Houston	71.17 342	P	P	11 46 54.6	+0.1
BGNE	Belgrade	71.37 336	P	P	11 46 55.1	+0.5
SDCO	Great Sand Dun	71.42 329	P	P	11 46 56.8	+1.5
SDCO	Great Sand Dun	71.42 329	eP	P	11 46 56.5	+1.2
J37A	Redenius Farm,	71.48 340	P	P	11 46 54.6	-0.6
H41A	Junction City	71.56 343	P	P	11 46 55.0	-0.6
F45A	OMU Biological	71.58 347	P	P	11 46 55.1	-0.5
G43A	Wallace	71.67 345	P	P	11 46 55.8	-0.5
J36A	Seneca 1, Swea	71.75 339	P	P	11 46 56.3	-0.5
H40A	Chili	71.76 343	P	P	11 46 56.5	-0.3
I38A	Scanlan Farm,	71.78 341	P	P	11 46 56.5	-0.4
G42A	Mountain	71.83 344	P	P	11 46 57.1	-0.1

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S22A	4UR Ranch, Cre	72.06 328	P	P	11 47 00.2	+1.1
S22A	4UR Ranch, Cre	72.06 328	eP	P	11 47 00.6	+1.4
H39A	Augusta	72.06 342	P	P	11 46 58.8	+0.2
I37A	Lemond, Waseca	72.07 340	P	P	11 46 58.5	-0.2
F43A	Flat Rock, Esc	72.09 345	P	P	11 46 58.2	-0.5
E45A	Wooded Hills,	72.16 347	P	P	11 46 59.1	+0.1
G40A	Rib Lake	72.31 343	P	P	11 47 00.1	0.0
H38A	Maiden Rock	72.34 341	P	P	11 46 60.0	-0.3
H37A	Dierke Farm, C	72.44 341	P	P	11 47 01.0	+0.1

Table with columns: CWC, Station Name, Time, Res, etc. Includes entries like Cottonwood Cre, Boulder Array, Pinedale Array, etc.

ISC 20 11:36:44.4±1.4, 56°48'N, 162°71'E, h0km, mb3.6/5, m1 3.9/6, m1mx3.5/6, m1btpm3.6/6, MS3.1/3, Ms1 3.1/3, ms1mx2.6/60, Error ellipse: s-maj=55.0km s-min=24.2km az=156.0

ISCJB 20 11:36:46.0±0.6, 56°14'N, 0°04:163°19'E, 0°05, h22km, 5km, mb3.6/5, MS3.7/1, Error ellipse: s-maj=5.9km s-min=4.1km az=11.5

MOS 20 11:36:46.0±0.5, 56°19'N, 163°20'E, h21km, mb4.1/2, Error ellipse: s-maj=9.1km s-min=5.3km az=52.1

KRSC 20 11:36:46.3±1.2, 56°02'N, 163°14'E, h19km, 11km, ML4.2 ISC 20 11:36:47.7±0.9, 56°21'N, 0°04:163°10'E, 0°03, h25km, 6km, n91, -1819/127, mb3.6/5, Near east coast of Kamchatka

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various seismic stations like KBTR, KBG, SMKR, etc.

Table with columns: KOC, Station Name, Time, Res, etc. Includes entries like Mys Kozlova, TUMD, Bering, etc.

ISC 20 11:58:58.5±1.7, 749S, 127°11'E, h0km, mb3.5/2, mb1 4.2/4, mb1mx3.7/47, m1btpm3.9/4, ML4.3/2, Error ellipse: s-maj=216.3km s-min=29.3km az=63.0, Banda Sea

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

ISC 20 12:11:50.0±0.6, 33°00'N, 119°64'E, h0km, mb4.6/27, mb1 4.8/29, mb1mx4.5/62, m1btpm4.6/29, ML3.6/3, MS4.4/57, Ms1 4.4/57, ms1mx4.4/67, Error ellipse: s-maj=15.9km s-min=13.3km az=51.0

ISCJB 20 12:11:50.0±0.1, 33°00'N, 0°02:119°63'E, 0°02, h13km, mb4.8/179, MS4.5/65, Error ellipse: s-maj=2.7km s-min=2.3km az=27.9

BUI 20 12:11:51.1, 33°04'N, 119°57'E, h15km, mb4.8/51, mb5.0/29, ML5.3/23, Ms4.9/49, Ms7 4.9/58

MOS 20 12:11:51.9±1.1, 33°03'N, 119°64'E, h21km, mb5.0/77, MS4.8/25, Error ellipse: s-maj=6.4km s-min=4.5km az=111.4

NEIC 20 12:11:52.0±0.1, 32°98'N, 119°59'E, h10km, mb4.9/105, Error ellipse: s-maj=2.9km s-min=2.6km az=109.0

NEIC One person killed and two injured at Yangzhou. Thirteen rooms collapsed and 506 damaged at Taizhou and Yangzhou. Fell [ill] at Changzhou, Nanjing, Xiaolingwei and Yangzhou. Also fell at Chuzhou, Gaoyou, Hefei, Huaiyin, Yancheng and Zhenjiang.

GCMT 20 12:11:52.0±0.2, 33°08'N, 119°49'E, h14km, 1km, MW5.0/101, Moment Tensor Solution. s47, 661; s101, c108; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.16±0.08; Mpp=2.58±0.08; Mpp=2.42±0.09; Mo=1.16±0.21; Mpp=2.53±0.08; Mo=1.02±0.17; Best double couple: Mo=3.73500x10^16 Np1, 103, 113.00000°, 887.00000°, 2.17.00000°; NP2=22.00000°, 873.00000°, 1.77.00000°

Principal axes: T 3.8990, P14.0000, Azm338.0000; N 0.3250, P173.0000, Azm33.0000; P 3.5710, P173.0000, Azm246.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 20 12:11:53.5±0.5, 33°02'N, 119°70'E, 0°03, h18km, 11km, h18km; pp-P, n417, -1975/438, mb4.9/180, MS4.5/65, 24C-9D, Southeastern China

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like NJ2, KRRS, etc.

Table with columns: TIA, Station Name, Time, Res, etc. Includes entries like Tai'an, Wuhua, WHN, etc.

ASAR	LR	LR	12 46 51.4		
ASO1	comp=Z,131nm,20.7s,baz=348,slow=36				
Alice Springs	57 99 165 eP	P	12 21 44.2 -0.8		
ZEI	Tsey	58 75 303 eP	12 21 49.1 -1.4		
GNI	Garni	58 97 300 LR	12 50 43.1		
KBZ	Khabaz	59 16 305 P	12 21 52.3 -0.7		
KBZ	comp=Z,3.3nm,0.8s,baz=64,slow=7.7,SNR=4.4				
KBZ	comp=Z,866nm,18.8s,baz=66,slow=38	LR	12 49 48.8		
KIV	Kislovodsk	59 24 305 eP	12 21 54.1 +0.4		
KIV	Kislovodsk	59 24 305 P	12 21 54.4 +0.7		
KIV	Kislovodsk	59 24 305eP	12 21 53.8 +0.1		
KIV	Kislovodsk	59 24 305eP	12 22 00.0 +0.4		
KIV	Kislovodsk	59 24 305eP	12 20 04.0 +3.2		
KIV	comp=Z,28nm,1.2s	MLR	MLR		
KIV	comp=Z,482nm,18.0s	MLR	MLR		
NEY	Neytrino	59 43 304 iP	12 21 55.3 +0.1		
NEY	comp=Z,1.0nm,0.8s	PMAX	PMAX		
VSR	Storozhevoje	59 43 314 eP	12 21 53.0 -1.8		
VSR	comp=Z,10.0nm,0.6s	PMAX	PMAX		
OBN	Obninsk	59 89 319eP	12 21 56.8 -1.1		
OBN	Obninsk	59 89 319eP	12 22 01.0 +2.8		
OBN	Obninsk	59 89 319eP	12 22 07.0 +1.0		
OBN	Obninsk	59 89 319eP	12 22 45.0		
OBN	Obninsk	59 89 319eP	12 24 09.2 -2.4		
OBN	Obninsk	59 89 319eP	12 36 31.0		
OBN	comp=Z,45nm,1.8s	MLR	MLR		
OBN	comp=Z,973nm,18.0s	MLR	MLR		
COLD	Coldfoot	60 06 27 eP	12 21 59.4 +0.5		
COLD	comp=Z,8.1nm,1.0s	PMAX	PMAX		
CAST	Castle Rocks	60 25 31 eP	12 22 01.1 +0.8		
CAST	comp=Z,3.9nm,0.8s	PMAX	PMAX		
MLY	Manley	60 41 29 eP	12 22 02.1 +0.7		
MLY	comp=Z,7.0nm,1.0s	PMAX	PMAX		
BPAW	Bear Paw Mtn.	60 55 30 eP	12 22 03.0 +0.7		
BPAW	comp=Z,6.4nm,1.0s	PMAX	PMAX		
SPITS	Spitsbergen Ar	60 61 347 LR	12 52 23.7		
SPITS	comp=Z,266nm,18.1s,baz=30,slow=60	LR	12 52 23.7		
ARCES	ARCCESS Array B	60 91 336 P	12 22 04.2 -0.5		
ARCES	comp=Z,9.3nm,0.8s,baz=67,slow=9.3,SNR=12	PMAX	PMAX		
ARCES	ARCCESS Array B	60 91 336 P	12 22 04.2 -0.5		
ARCES	comp=Z,10.0nm,0.8s	PMAX	PMAX		
TRF	Thorofore Mtn	61 02 31 eP	12 22 02.6 -3.1		
TRF	comp=Z,9.1nm,0.8s	PMAX	PMAX		
BWN	Browne	61 17 30 eP	12 22 08.1 +1.6		
BWN	comp=Z,1.4nm,0.8s	PMAX	PMAX		
SUA	Susitna One	61 39 33 eP	12 22 08.8 +0.7		
SUA	comp=Z,1.4nm,0.8s	PMAX	PMAX		
MDM	Murphy Dome	61 45 29 eP	12 22 08.8 +0.4		
MDM	comp=Z,9.2nm,1.0s	PMAX	PMAX		
KDAK	Kodiak Island	61 58 37 iP	12 22 09.2 -0.1		
COLA	College	61 63 29 eP	12 22 10.1 +0.5		
COLA	comp=Z,24nm,0.9s	PMAX	PMAX		
COLA	College	61 63 29 eP	12 22 10.1 +0.5		
COLA	comp=Z,24nm,0.9s	PMAX	PMAX		
WRH	Wood River Hill	61 66 29 eP	12 22 10.3 +0.5		
WRH	comp=Z,7.7nm,1.2s	PMAX	PMAX		
CCB	Clear Creek Bu	61 72 29 eP	12 22 10.1 0.0		
CCB	comp=Z,4.7nm,0.8s	PMAX	PMAX		
IL1	Eielson Array	62 06 29 eP	12 22 10.5 -1.9		
ILAR	Eielson Array	62 06 29 eP	12 22 11.5 -0.9		
ILAR	comp=Z,3.2nm,0.8s,baz=277,slow=5.7,SNR=31	PMAX	PMAX		
ILAR	comp=Z,268nm,20.3s,baz=327,slow=38	LR	12 51 26.6		
ILB	Eielson Array	62 06 29 eP	12 22 12.0 -0.5		
ILB	comp=Z,5.9nm,0.9s	PMAX	PMAX		
PMR	Palmer	62 09 33 eP	12 22 12.5 -0.2		
PMR	comp=Z,5.9nm,0.9s	PMAX	PMAX		
PMR	Palmer	62 09 33 eP	12 22 12.5 -0.2		
PMR	comp=Z,6.0nm,0.9s	PMAX	PMAX		
FYU	Fort Yukon	62 13 27 eP	12 22 14.2 +1.3		
FYU	comp=Z,1.9nm,1.0s	PMAX	PMAX		
HDA	Harding Lake	62 15 29 eP	12 22 12.6 -0.5		
HDA	comp=Z,10.0nm,0.9s	PMAX	PMAX		
SML	Sawmill	62 38 32 eP	12 22 15.1 +0.4		
SML	comp=Z,1.4nm,0.9s	PMAX	PMAX		
SML	Sawmill	62 38 32 eP	12 22 15.1 +0.4		
SML	comp=Z,1.4nm,0.9s	PMAX	PMAX		
DHY	Denali Highway	62 39 31 eP	12 22 14.7 -0.3		
DHY	comp=Z,5.6nm,0.8s	PMAX	PMAX		
ANN	Anapa	62 52 307 eP	12 22 15.0 -0.9		
ANN	comp=Z,5.6nm,0.8s	PMAX	PMAX		
ANN	Anapa	62 52 307 eP	12 23 39.8 -2.7		
ANN	comp=Z,5.7nm,1.4s	PMAX	PMAX		
ANN	Anapa	62 52 307 eP	12 22 18.4 +0.7		
ANN	comp=Z,6.94nm,19.0s	MLR	MLR		
SCM	Sheep Creek Mo	62 82 32 eP	12 22 18.4 +0.7		
SCM	comp=Z,18nm,0.9s	PMAX	PMAX		
SCM	Sheep Creek Mo	62 82 32 eP	12 22 18.4 +0.7		
SCM	comp=Z,18nm,0.9s	PMAX	PMAX		
FIA1	FINESS Array S	63 24 328 eP	12 22 19.9 -0.5		
FINES	FINESS Array B	63 25 328 P	12 22 19.4 -1.0		
FINES	comp=Z,9.3nm,0.7s,baz=82,slow=5.4,SNR=23	PMAX	PMAX		
PAX	Paxson	63 25 31 eP	12 22 21.2 +0.6		
PAX	comp=Z,6.3nm,1.0s	PMAX	PMAX		
PAX	Paxson	63 25 31 eP	12 22 21.2 +0.6		
PAX	comp=Z,6.3nm,1.0s	PMAX	PMAX		
SCRK	Sand Creek	63 51 29 eP	12 22 20.4 -1.9		
SCRK	comp=Z,2.3nm,1.0s	PMAX	PMAX		
KLU	Klutina	63 57 32 eP	12 22 23.3 +0.6		
KLU	comp=Z,12nm,1.2s	PMAX	PMAX		
FORT	Forrest	63 95 172 eP	12 22 25.3 0.0		
FORT	comp=Z,42nm,1.0s	PMAX	PMAX		
VSU	Vasula	63 99 324 eP	12 22 24.8 -0.5		
VSU	comp=Z,25nm,0.9s	PMAX	PMAX		
EGAK	Eagle	64 35 28 eP	12 22 27.9 +0.3		
EGAK	comp=Z,13nm,0.9s	PMAX	PMAX		
SIM	Simferopol	64 67 308 eP	12 22 33.1 +3.0		
SIM	comp=Z,16nm,1.3s	PMAX	PMAX		
RAYN	Ar Rayn	64 83 283 eP	12 22 32.7 +1.1		
RAYN	comp=Z,5.5nm,1.0s	PMAX	PMAX		
RAYN	Ar Rayn	64 83 283 eP	12 22 32.7 +1.1		
RAYN	comp=Z,5.5nm,1.0s	PMAX	PMAX		
DAWY	Dawson	65 34 28 eP	12 22 34.5 +0.2		
DAWY	comp=Z,9.5nm,0.8s	PMAX	PMAX		
AKASG	Main Array Be	65 53 316 eP	12 22 33.9 -1.7		
AKASG	comp=Z,2.2nm,0.6s,baz=96,slow=6.7,SNR=13	LR	12 52 21.3		
AKASG	comp=Z,931nm,21.5s,baz=65,slow=37	LR	12 52 21.3		
AKKB	Main Array Si	65 53 316 eP	12 22 34.4 -1.2		
AKKB	comp=Z,6.8nm,0.9s	PMAX	PMAX		
AKKB	Main Array Si	65 53 316 eP	12 22 34.4 -1.2		
AKKB	comp=Z,6.8nm,0.9s	PMAX	PMAX		
KIEV	Kiev	65 55 316 eP	12 22 34.4 -1.3		
KIEV	comp=Z,6.5nm,0.9s	PMAX	PMAX		
KIEV	Kiev	65 55 316 iP	12 22 34.1 -1.6		
KIEV	comp=Z,6.5nm,0.9s	PMAX	PMAX		
INK	Inuvik	65 59 23 eP	12 22 35.6 0.0		
INK	comp=Z,20nm,1.0s	PMAX	PMAX		
INK	Inuvik	65 59 23 eP	12 22 35.6 0.0		
INK	comp=Z,20nm,1.0s	PMAX	PMAX		
NWAO	Narrogin (SRO)	65 64 182 LR	12 55 27.0		
NWAO	comp=Z,149nm,18.0s,baz=149,slow=40	LR	12 55 27.0		
BR131	Keskin Array S	67 06 303 P	12 22 45.4 -0.4		
BR131	comp=Z,8.5nm,0.9s,baz=90,slow=5.4,SNR=24	PMAX	PMAX		
DATR	Danmarks Havn	67 47 350 iP	12 22 45.9 -1.6		
DATR	comp=Z,6.3nm,0.7s	PMAX	PMAX		
STKA	Stevens Creek	67 78 160 P	12 22 49.5 -0.5		
STKA	comp=Z,4.1nm,0.8s,baz=343,slow=11,SNR=4.7	LR	12 53 49.3		
STKA	Stevens Creek	67 78 160 P	12 22 49.5 -0.5		
STKA	comp=Z,64nm,21.4s,baz=242,slow=37	LR	12 53 49.3		
STKA	Stevens Creek	67 78 160 P	12 22 49.5 -0.5		
STKA	comp=Z,5.0nm,1.0s	PMAX	PMAX		

STKA	MLR	MLR			
ASF	Jabal al Asfar	67 87 295 LR	12 55 44.0		
ASF	comp=Z,356nm,20.0s,baz=98,slow=39	LR	12 55 44.0		
MMAI	Moravsky Berou	68 64 296 LR	12 55 28.0		
MMAI	comp=Z,233nm,19.1s,baz=100,slow=38	LR	12 55 28.0		
TLB	Topalu	68 77 310 iP	12 22 55.0 -1.2		
BIZ	Bicaz	68 87 313 iP	12 22 56.4 -1.1		
VR	Vrincioaia	69 05 312 iP	12 22 57.5 -0.5		
VR	comp=Z,2.9nm,0.8s,baz=57,slow=6.2	PMAX	PMAX		
SKAG	Skagway	69 18 32 eP	12 23 00.3 +1.8		
BUR08	Bucovina Ar. S	69 21 314 eP	12 22 58.5 -0.6		
BUR08	comp=Z,16nm,1.0s	PMAX	PMAX		
BURAR	Bucovina Array	69 21 314 iP	12 22 58.5 -0.6		
BURAR	comp=Z,16nm,1.0s	PMAX	PMAX		
BUR04	Bucovina Ar. S	69 21 314 iP	12 22 57.8 -1.3		
BUR04	comp=Z,16nm,1.0s	PMAX	PMAX		
HFS	Hagfors	69 29 329 P	12 22 58.1 -1.1		
HFS	comp=Z,8.9nm,0.8s,baz=79,slow=7.7,SNR=16	LR	12 56 16.2		
HFS	Hagfors	69 29 329 P	12 22 58.1 -1.1		
HFS	comp=Z,8.9nm,0.8s,baz=79,slow=7.7,SNR=16	LR	12 56 16.2		
NC405	NORSAR Array S	69 62 312 eP	12 23 00.5 -0.8		
MLR	Muntele Rosu	69 71 312 P	12 23 02.2 0.0		
MLR	comp=Z,6.2nm,0.8s,baz=130,slow=7.6,SNR=6.5	LR	12 56 41.2		
MLR	Muntele Rosu	69 71 312 eP	12 23 02.2 0.0		
MLR	comp=Z,6.2nm,0.8s,baz=130,slow=7.6,SNR=6.5	LR	12 56 41.2		
MLR	Muntele Rosu	69 71 312 eP	12 23 02.2 0.0		
MLR	comp=Z,6.2nm,0.8s,baz=130,slow=7.6,SNR=6.5	LR	12 56 41.2		
KWP	Kalvaria Pacla	69 78 317 eP	12 23 02.4 -0.1		
KWP	comp=Z,7.0nm,0.9s	PMAX	PMAX		
KWP	Kalvaria Pacla	69 78 317 eP	12 23 02.4 -0.1		
KWP	comp=Z,7.0nm,0.9s	PMAX	PMAX		
NB201	NORSAR Array S	69 83 331 eP	12 23 02.6 -1.0		
NB201	comp=Z,7.0nm,0.9s	PMAX	PMAX		
DOPR	Docpa	69 84 312 iP	12 23 02.6 -0.3		
DOPR	comp=Z,7.0nm,0.9s	PMAX	PMAX		
NB2	NORSAR Subarra	69 87 331 P	12 23 01.1 -1.7		
NB2	comp=Z,7.0nm,0.9s,baz=57,slow=6.2	PMAX	PMAX		
NOA	NORSAR Array B	69 87 331 P	12 23 01.6 -1.3		
NOA	comp=Z,6.8nm,0.9s,baz=57,slow=6.1,SNR=12	LR	12 56 11.5		
NOA	NORSAR Array B	69 87 331 P	12 23 01.6 -1.3		
NOA	comp=Z,6.8nm,0.9s,baz=57,slow=6.1,SNR=12	LR	12 56 11.5		
RES	Resolute Bay	70 18 9 eP	12 23 03.9 -0.5		
RES	comp=Z,14nm,0.9s	PMAX	PMAX		
RES	Resolute Bay	70 18 9 eP	12 23 03.9 -0.5		
RES	comp=Z,14nm,0.9s	PMAX	PMAX		
EIL	Elat	70 49 293 LR	12 58 04.4		
EIL	comp=Z,287nm,18.2s,baz=64,slow=39	LR	12 58 04.4		
UZH	Uzhgorod	70 49 316 LR	12 23 08.7 +1.9		
UZH	comp=Z,287nm,18.2s,baz=64,slow=39	LR	12 23 08.7 +1.9		
DZM	Mont Dzumac	70 65 134 eP	12 23 09.2 -0.5		
DZM	comp=Z,84nm,20.1s,baz=317,slow=34	LR	12 52 19.2		
CRVS	Cervenica-Dubn	70 85 316 eP	12 23 07.7 -1.3		
CRVS	comp=Z,19nm,2.1s	PMAX	PMAX		
CRVS	Cervenica-Dubn	70 85 316 eP	12 23 07.7 -1.3		
CRVS	comp=Z,19nm,2.1s	PMAX	PMAX		
DRGR	Drgr	71 11 314 iP	12 23 10.2 -0.5		
DRGR	comp=Z,19nm,2.1s	PMAX	PMAX		
OJC	Ojcow	71 16 318 eP	12 23 10.7 -0.2		
OJC	comp=Z,21nm,0.9s	PMAX	PMAX		
OJC	Ojcow	71 16 318 eP	12 23 10.7 -0.2		
OJC	comp=Z,21nm,0.9s	PMAX	PMAX		
NIE	Niedzica	71 27 317 eP	12 23 11.4 -0.2		
NIE	comp=Z,21nm,0.9s	PMAX	PMAX		
NIE	Niedzica	71 27 317 eP	12 23 11.4 -0.2		
NIE	comp=Z,21nm,0.9s	PMAX	PMAX		
DLBC					

AKH		eSn	Sn	13 51 52.3 +1.7	
AKH	Akhalkalaki	1.16 202	Pg	13 51 33.9 -0.4	
AKH		eSg	Pb	13 51 50.4 +0.9	
NEY	Neytrino	1.26 308	Pg	13 51 35.0 -1.0	
NEY	Neytrino	1.26 308	Pg	13 51 35.0 -1.0	
BGD	Bogdanovka	1.27 197	P	13 51 35.8 -0.4	
BGD		S	Sn	13 51 53.9 +0.4	
BGD	Bogdanovka	1.27 197	P	13 51 35.8 -0.4	
BGD		S	Sn	13 51 53.8 +0.4	
PRTR	Priterechnaya	1.28 7	ePg	13 51 36.6 0.0	
PRTR		eS	Pg	13 51 55.5 +2.1	
PRTR	Priterechnaya	1.28 7	ePg	13 51 36.6 0.0	
PRTR		eSg	Pg	13 51 55.5 +2.1	
PRTR	Priterechnaya	1.28 7	ePg	13 51 36.6 0.0	
PRTR		eSg	Pg	13 51 55.3 +1.9	
TRKR	Terskaya	1.33 21	iPg	13 51 37.5 +0.1	
TRKR		eSg	Pg	13 51 56.5 +1.7	
TRKR	Terskaya	1.33 21	iPg	13 51 37.5 +0.1	
TRKR		eSg	Pg	13 51 56.5 +1.7	
TRKR	Terskaya	1.33 21	iPg	13 51 37.3 -0.3	
TRKR		iSg	Pg	13 51 57.0 +2.2	
EPOS	Posof	1.40 226	iS	13 51 38.3 +0.3	
EPOS		S	Sg	13 51 58.2 +1.0	
EPOS	Posof	1.40 226	iS	13 51 38.3 +0.3	
EPOS		S	Sg	13 51 58.2 +1.0	
DGRG	David-gareji	1.41 136	P	13 51 39.0 -0.1	
DGRG		S	Pg	13 52 03.9 +6.5	
DGRG	David-gareji	1.41 136	iPg	13 52 03.9 +6.5	
DGRG		S	Pg	13 52 03.9 +6.5	
DGRG	David-gareji	1.41 136	P	13 51 39.0 -0.1	
DGRG		S	Pg	13 52 00.6 +3.2	
DGRG	David-gareji	1.41 136	iPg	13 51 39.0 -0.1	
DGRG		eSg	Pg	13 52 03.9 +6.5	
GROC	Groznyy	1.45 60	ePg	13 51 38.4 -0.1	
GROC		e	Sg	13 51 59.5	
GROC		pmax	pmax		
GROC	comp=Z,603nm,0.6s		smax	smax	
GROC	comp=N,3um,1.0s		smax	smax	
GROC	comp=N,4um,1.0s		smax	smax	
GROC	Groznyy	1.45 60	ePg	13 51 38.4 -0.1	
GROC	comp=N,603nm,0.6s		eSg	Sg	13 51 59.5 +0.7
GROC	comp=N,4um,1.0s		eSg	Pb	13 51 39.2 -0.1
GROC	Groznyy	1.45 60	ePg	13 51 39.2 -0.1	
GROC		eSg	Pg	13 51 59.9 +1.1	
KBZ	Khabaz	1.52 326	Pg	13 51 39.7 +0.3	
KBZ		Lg	Lg	13 51 59.4	
DVE	Vedeno	1.58 72	eSn	13 51 41.7 +0.2	
DVE		eS	Sg	13 52 03.7 +0.8	
DVE	Vedeno	1.58 72	eSn	13 51 41.7 +0.2	
DVE		eSg	Pg	13 52 03.7 +0.8	
DVE	Vedeno	1.58 72	eSn	13 51 41.7 +0.2	
DVE		ePg	Pg	13 51 40.9 +0.4	
BTLR	Botlikh	1.59 83	ePn	13 52 02.3	
BTLR		e	pmax	pmax	
BTLR	comp=Z,405nm,0.8s		smax	smax	
BTLR	comp=N,1um,0.9s		smax	smax	
BTLR	Botlikh	1.59 83	ePn	13 51 40.9 +0.4	
BTLR	comp=N,405nm,0.8s		eSg	Sb	13 52 02.3 +0.3
BTLR	comp=N,1um,0.9s		eSg	Sb	13 51 41.3 -0.4
BTLR	Botlikh	1.59 83	ePg	13 51 41.3 -0.4	
SHA1	Shidzhatmaz	1.63 321	iPg	13 51 41.9 -0.6	
SHA1		eS	Sb	13 52 03.1 -0.2	
SHA1	Shidzhatmaz	1.63 321	iPg	13 51 41.9 -0.6	
SHA1		eSg	Sb	13 52 03.1 -0.2	
SHA1	Shidzhatmaz	1.63 321	iPg	13 51 41.8 +0.6	
SHA1		eSg	Pg	13 51 42.6 +0.4	
QZX	Qazax, Azerbai	1.72 145	iP	13 52 06.7 -0.6	
QZX		iS	Sg	13 51 42.6 +0.4	
QZX	Qazax, Azerbai	1.72 145	iP	13 52 06.7 -0.6	
QZX		iS	Sg	13 51 43.4 +0.2	
KVAR	Kislovodsk Arr	1.79 326	Pn	13 51 44.2 -0.9	
KVAR		baz=138,slow=13,SNR=198	ePn	13 52 06.7 +0.5	
KIV	Kislovodsk	1.79 326	ePn	13 51 44.0 +0.7	
KIV		eSn	Sn	13 51 44.0 +0.7	
KIV	Kislovodsk	1.79 326	iPn	13 51 44.0 +0.7	
KIV		e	pmax	pmax	
KIV	comp=Z,1um,1.0s		pmax	pmax	
KIV	Kislovodsk	1.79 326	iPn	13 51 44.0 +0.7	
KIV	comp=Z,1um,1.0s		Pg	13 51 47.6 +1.2	
KIV	Kislovodsk	1.79 326	ePg	13 52 06.7 +0.5	
KIV		eSn	Sn	13 52 11.7 +2.1	
EAK	Akyaka	1.83 191	iPg	13 51 44.0 +0.7	
EAK		iS	Pb	13 51 45.5 -0.3	
EAK	Akyaka	1.83 191	iPg	13 51 45.5 -0.3	
EAK		S	Pg	13 52 10.6 -0.2	
EAK	Dedoflistskaro	1.84 124	P	13 51 47.7 +0.4	
DDFL		S	Pg	13 52 13.1 +1.9	
DDFL	Dedoflistskaro	1.84 124	P	13 51 47.7 +0.4	
DDFL		Pg	Pg	13 51 48.9 -0.4	
XNZR	Khunzakh	1.94 87	iPn	13 52 14.0	
XNZR		ePg	Pb	13 51 47.5 -0.3	
XNZR		eSg	Pg	13 52 14.1 -0.4	
DLMR	Dylym	1.97 72	ePn	13 51 49.5 -0.3	
DLMR		eS	Pg	13 52 16.5 +1.2	
DLMR	Dylym	1.97 72	ePn	13 51 49.5 -0.3	
DLMR		eSg	Pg	13 52 16.5 +1.2	
DOMR	Dombai	1.98 295	ePn	13 51 48.8 +0.4	
DOMR		pmax	pmax		
DOMR	comp=Z,538nm,1.7s		Pb	13 51 48.8 +0.4	
DOMR	Dombai	1.98 295	ePn	13 51 48.8 +0.4	
DOMR	comp=Z,538nm,1.7s		Sg	13 51 48.8 +0.4	
DOMR	Dombai	1.98 295	ePg	13 51 48.8 +0.4	
DOMR		eSg	Pg	13 52 17.2 +1.6	
KARS	Kars	2.00 202	ePn	13 51 46.9 +0.7	
KARS		ePn	Pn	13 51 46.9 +0.7	
UNCUR	Uncukul	2.02 82	iPn	13 51 49.0 +0.1	
UNCUR		iPn	Pg	13 51 49.0 +0.1	
UNCUR	Uncukul	2.02 82	iPn	13 51 49.0 +0.1	
UNCUR		eSg	Pg	13 52 16.0 -0.9	
ARTV	Artvin	2.06 232	iP	13 51 49.3 -0.5	
ARTV		iS	Pb	13 52 18.3 -0.1	
ARTV	Artvin	2.06 232	iP	13 51 49.3 -0.5	
ARTV		eSg	Pg	13 52 18.3 -0.1	
ARTV	Zakatala	2.07 113	iP	13 51 49.3 -0.6	
ZKTA		iP	Sb	13 52 16.7 +0.9	
ZKTA		ePn	Pg	13 51 51.4 -0.8	
DBC	Dubki	2.10 74	iPg	13 52 17.7	
DBC		iSg	Pg	13 51 51.0 +0.7	
DBC	Dubki	2.10 74	iPg	13 52 19.0 -0.4	
DBC		S	Pg	13 51 48.4 +0.9	
BCA	Borca	2.10 241	Pn	13 51 48.4 +0.9	
BCA		ePn	Pb	13 51 50.2 -0.6	
DBOC	Borca	2.13 239	iP	13 52 19.0 +1.6	
DBOC		iS	Sb	13 51 50.2 -0.6	
DBOC	Borca	2.13 239	iP	13 52 19.0 +1.6	
DBOC		S	Sb	13 51 50.9 -0.1	
DIGO	Kars	2.13 195	iP	13 52 20.0 -0.6	
DIGO		iS	Pg	13 51 50.9 -0.1	
DIGO	Kars	2.13 195	iP	13 51 50.9 -0.1	
DIGO		Pg	Pb	13 52 20.6 +0.6	
DAGI	Agillar	2.14 230	iP	13 51 50.4 -0.7	
DAGI		iS	Sg	13 52 21.7 +0.8	
ARKR	Arakani	2.16 86	ePn	13 51 50.7 -0.6	
ARKR		eS	Pb	13 52 18.7 +0.5	
ARKR	Arakani	2.16 86	ePn	13 51 50.7 -0.6	
ARKR		pmax	pmax		
ARKR	comp=Z,421nm,0.8s		Pb	13 51 50.7 -0.6	
ARKR	Arakani	2.16 86	ePg	13 51 50.7 -0.6	
ARKR		eSg	Pb	13 52 18.7 +0.5	
GDB	GEDABAY	2.16 144	iP	13 51 49.5 +1.1	
GDB		iS	Sb	13 52 18.6 +0.2	
GDB	GEDABAY	2.16 144	iP	13 51 49.5 +1.1	
GDB		iS	Sb	13 52 18.6 +0.2	
GDB	GEDABAY	2.16 144	iP	13 51 49.5 +1.1	
GDB		eS	Pg	13 52 18.6 +0.2	
BUJR	Buynaks	2.26 80	iPn	13 51 55.0 -0.4	
BUJR		eS	Pg	13 52 26.0 +1.3	

BUJR	Buynaks	2.26 80	eSb	13 52 26.0 +1.3		
BUJR		eSg	Pg	13 51 55.0 -0.4		
BUJR	Buynaks	2.26 80	iPn	13 52 26.0 +1.3		
BUJR		eSb	Pg	13 51 52.9 -1.3		
DBAD	Bademkaya	2.31 231	iP	13 52 25.6 -0.7		
DBAD		eSb	Pb	13 51 52.9 -1.0		
DBAD	Bademkaya	2.31 231	P	13 51 54.3 +0.1		
DBAD		ePn	Pb	13 51 53.7 -1.1		
DBAD	Bademkaya	2.31 231	P	13 51 53.7 -1.1		
DBAD		ePn	Pb	13 52 28.5 +0.7		
DDEM	Demirkent	2.36 228	iS	13 51 53.7 -1.1		
DDEM		eS	Pg	13 51 53.6 -1.6		
DDEM	Demirkent	2.36 228	iS	13 51 53.6 -1.6		
DDEM		eS	Pg	13 52 27.8		
GNI	Garni	comp=Z,132nm,0.3s,baz=358,slow=3.3,SNR=97	Lg	Lg		
GNI		Lg	Lg			
GNI	comp=Z,137nm,0.3s,baz=233,slow=1.1,SNR=16		Pb	13 51 54.2 -1.1		
GNI	Garni	2.38 168	eSn	Sg	13 52 27.1 -1.5	
GNI		eSb	Pg	13 51 53.2 +1.7		
GNI	Garni	2.38 168	ePn	pmax	pmax	
GNI		pmax	pmax			
GNI	comp=Z,5um,1.0s		Pn	13 51 53.2 +1.7		
GNI		ePn	Pn	13 51 53.7 +0.9		
GANJ	Ganja	2.49 137	iP	13 51 53.7 +0.9		
GANJ		SNR=53	iS	Sb	13 52 27.3 -0.4	
GANJ	Ganja	2.49 137	iS	Sb	13 52 27.3 -0.4	
GANJ		SNR=53	iS	Pn	13 51 53.2 +0.2	
TASB	TASBURUN-IGDIR	2.50 177	Pn	13 51 53.2 +0.2		
TASB		ePn	Pb	13 51 53.6 +0.7		
MAK	Makhchakala	2.57 78	ePn	13 52 38.2 +3.6		
MAK		eS	Pg			
MAK		pmax	pmax			
MAK	comp=Z,283nm,0.3s		smax	smax		
MAK	comp=N,908nm,0.4s		smax	smax		
MAK	comp=N,1um,1.1s		MLR	MLR		
MAK	comp=Z,713nm,12.0s		MLR	MLR		
MAK	Makhchakala	2.57 78	eSn	Sb	13 52 29.2 -0.7	
IGDI	IGDIR	2.61 180	iS	Pb	13 51 58.2 -0.8	
IGDI		iP	Pb	13 52 33.8 +2.6		
SVNR	Nevinnomyssk	2.63 325	ePn	Pb	13 51 57.6 -1.7	
SEKA	SEKA	2.65 118	iP	Pb	13 51 58.2 -1.6	
SEKA		SNR=29	iS	Pb	13 52 31.6 -0.9	
SEKA	SEKA	2.65 118	iP	Pb	13 51 58.2 -1.6	
SEKA		SNR=29	iS	Pg	13 52 31.6 -0.9	
URKR	Urkarakh	2.65 96	iPn	Pg	13 52 38.4 +1.1	
URKR		eSb	Pg	13 52 01.0 +0.7		
URKR	Urkarakh	2.65 96	eSb	Pg	13 52 38.4 +1.1	
URKR		ePn	Pg	13 52 01.0 +0.7		
GOF	Gofitskoye	2.68 344	ePn	Sg	13 52 38.8 +0.6	
GOF		eS	Pg	13 51 56.0 -1.4		
GOF		pmax	pmax			
GOF	comp=Z,1um,0.8s		smax	smax		
GOF	comp=Z,2um,1.0s		eSb	Pg	13 52 38.8 +0.6	
GOF	Gofitskoye	2.68 344	eSb	Pg	13 52 38.8 +0.6	
GOF		eSb	Pg	13 52 29.2 -0.7		
HYR	Heyderabad	2.82 168	iP	Sn	13 52 29.2 -0.7	
HYR		iS	Sn	13 52 29.2 -0.7		
HYR	Heyderabad	2.82 168	iP	Sn	13 52 29.2 -0.7	
HYR		iS	Sn	13 52 29.2 -0.7		
MNGR	Mingechevir, A	2.83 126	iP	Sn	13 51 59.5 +2.1	
MNGR		iS	Sb	13 52 36.1 -1.3		
MNGR	Mingechevir, A	2.83 126	iP	Sn	13 51 59.5 +2.1	
MNGR		iS	Sb	13 52 36.1 -1.3		
MNGR	comp=N,546nm,1.2s		Pn	13 51 59.1 +1.5		
MNGR	Chom	2.84 242	Pn	13 51 59.1 +1.5		
MNGR	Cayelli-Rize	2.84 242	Pn	13 51 59.1 +1.5		
MNGR	Chom	2.84 242	ePn	Pn	13 52 08.8 +2.4	
EATA	Eleskirt	2.88 205	iP	Pn	13 52 08.8 +2.4	
EATA		ePn	Pb	13 52 08.8 +2.4		
EATA	Eleskirt	2.88 205	iP	Pn	13 52 05.7 +1.7	
EATA		ePn	Pb	13 52 43.9		
AKT						

20d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LANS, KLMR, KK31, etc.

2012 JUL

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

1000

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

20d 14h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like VVDA, RKG, MMRI, BLDU, etc.

2012 JUL

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like SKR, Quanzhou, YSS, etc.

1002

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like MPMC, YBH, DL2, etc.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like RAYN, NOA, HFS, ANN, etc.

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

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like Siirt_Merkez, Sirtak, Eleskirt, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like ASAF, MMAI, EIL, MLR, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like KBK, MRKS, ULHL, BOOM, etc.

ISCJB 20:16:22:56.7-0.3,23.97N,0.01-121.67E,0.02,h1km,2km, Error ellipse: s-maj=2.5km s-min=1.5km az=26.8 JMA 20:16:22:56.1-0.2,23.97N,121.64E,h0km,M2.8 TAP 20:16:22:57.1,23.98N,121.61E,h9km,ML3.5,B ISC 20:16:22:57.0-0.8,23.97N,0.01-121.65E,0.02,h1km,5km, n102,0f65/160,7C,Taiwan

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like HWA, ENLB, ENLB, etc.

Table with columns: YKA, Yellowknife Ar, 50.36 347 P, 17 32 36.3 +0.6, etc.

IDC 20 17:25:29.9..4.4, 6.31S:128.44E, h360km, 47km, mb3.2/5, m1 3.4/7, mb1mx3.0/-4.5, mbtmp4.0/7, Error ellipse: s-maj=72.2km s-min=11.0km az=68.0, Banda Sea

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

IDC 20 17:44:54.0..0.5, 7.99S:123.53E, h0km, mb4.4/17, m1 4.4/17, mb1mx2.4/8, mbtmp4.4/17, MS3.2/8, Ms1 3.3/8, ms1mx3.0/4.6, Error ellipse: s-maj=23.9km s-min=12.7km az=72.0

BUI 20 17:44:55.6..8.1, 10S:123.60E, h15km, mb4.6/32, mB4.9/25, Ms4.7/14, Ms7.4/13

MOS 20 17:44:57.2..0.8, 8.01S:123.54E, h33km, mb4.8/22, Error ellipse: s-maj=17.5km s-min=7.4km az=115.1

ISCJB 20 17:44:57.1..0.2, 8.05S:123.66E, h33km, mb4.8/73, MS3.6/11, Error ellipse: s-maj=4.7km s-min=3.0km az=151.5

DJA 20 17:44:57.1..0.2, 8.2S:121.4E, h10km, M4.7/18, mb5.0/18, mb5.0/6, MLV4.7/14, Mw(MB)4.3/6

NEIC 20 17:44:59.1..0.2, 8.10S:123.59E, h35km, mb4.9/52, Error ellipse: s-maj=6.0km s-min=3.7km az=57.0

ISC 20 17:44:59.3..0.3, 8.12S:124.0E, h35km, n220, e1971/225, mb4.7/73, MS3.9/12, 4C-2D, Flores region

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Main table with columns: COEN, Coen, 20.02 109 eP, 17 49 28.9 -0.4, etc.

Main table with columns: GTA, comp=Z, 120nm, 18.4s, LR, LR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GUMO Guam, QIZ Qiongzong, TWG Pinlang, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like XAN Xi'an, KX15 Korea Array, MAJO Matushiro, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OXZ Yuzh, MQZ McQueen's Vall, KHZ Kahutara, etc.

20d 18h

Table with columns: TWD, Chiawan, 0.87 248 P, Pn, 18 23 52.5 -0.5, ...

2012 JUL

Table with columns: CHNS, baz=238, eS, Sn, 18 24 28.0 +0.1, ...

1012

Table with columns: UMPA, Umpang Tak, 14.94 19 P, P, 18 55 50.4 -0.5, ...

MEX 20 18:40:10.1±0.4, 18:37N×102.86W, h17km±10km, MD3.7,

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ...

BUI 20 18:52:11.2, 1°59N, 93°55E, h29km, mb4.7/40, mb4.9/20, ...

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ...

KSH	Kashi	40.65 339	P	P	18 05 52.1 -1.9
KSH			PP	PnPn	19 01 30.3 -1.9
KSH			pmax	pmax	
NWAO	Narrogin (SRO)	41.27 149	LR	LR	19 12 28.3
H01W3	Cape Leeuwin H	41.42 154	T	T	19 45 25.9
H01W2	Cape Leeuwin H	41.43 154	T	T	19 45 15.2
H01W1	Cape Leeuwin H	41.44 154	T	T	19 45 29.1
HHC	Hu-ho-hao-te	41.85 20	eP	P	19 00 06.3 +2.5
HHC			S	S	19 06 21.5 +2.0
HHC			sS	sS	19 06 35.3 -1.1
HHC			pmax	pmax	
HHC			pmax	pmax	
HHC			LR	LR	
HHC			LR	LR	
HHC			LR	LR	
WMQ	Urumqi	41.94 353	pP	pP	19 00 06.1 +1.7
WMQ			sP	sP	19 00 19.5 +0.6
WMQ			pmax	pmax	
WMQ			pmax	pmax	
WMQ			LR	LR	
WMQ			LR	LR	
WMQ			LR	LR	
SFK	Sufi-Kurgan	42.02 337	pP	pmax	19 00 05.1 -0.2
PRZ	Przheval'sk	42.54 343	eP	P	19 00 10.7 +1.2
PRZ			eP	P	19 00 10.7 +1.2
ULHL	Ulho	42.99 341	P	P	19 00 13.6 +0.5
PDGK	Podgornoye	43.02 345	P	P	19 00 13.5 +0.2
AML	Almalyashu	43.77 338	P	P	19 00 20.2 +0.5
TKM2	TKM2	43.80 341	P	P	19 00 20.0 +0.3
TKM2	TKM2	43.80 341	pP	pmax	19 00 19.2 -0.5
AAK	Ala-Archa	43.93 339	P	P	19 00 20.9 +0.2
EKS2	Erkin-Say	44.20 339	P	P	19 00 23.3 +0.5
USP	Ospenovka	44.48 340	P	P	19 00 25.0 +0.1
MNAS	Manas	44.52 338	P	P	19 00 25.5 +0.1
WR1	Warramunga Arr	45.43 121	eP	P	19 00 32.5 -0.3
WRA	Warramunga Arr	45.43 121	P	P	19 00 32.5 -0.3
WRAB	Tennant Creek	45.43 121	eP	P	19 00 32.1 -0.7
MK01	Makanchi Array	45.65 349	eP	P	19 00 34.2 +0.1
MK31	Makanchi Array	45.67 349	eP	P	19 00 34.4 0.0
MK31	Makanchi Array	45.67 349	iP	P	19 00 34.3 0.0
MK31			pmax	pmax	
MK32	Makanchi Array	45.67 349	eP	P	19 00 34.7 +0.4
MKAR	Makanchi Array	45.67 349	P	P	19 00 34.7 +0.4
MKAR	Makanchi Array	45.67 349	eP	P	19 00 34.4 +0.1
MAK2	Makanchi	45.74 349	eP	P	19 00 34.7 -0.2
MAK2	Makanchi	45.74 349	P	P	19 00 34.5 -0.4
KK31	Karatay Array	45.83 336	eP	P	19 00 35.2 -0.4
KK31	Karatay Array	45.83 336	iP	P	19 00 34.7 -0.9
KK31			pmax	pmax	
KKAR	Karatay Array	45.83 336	eP	P	19 00 35.1 -0.5
KKAR	Karatay Array	45.83 336	eP	P	19 00 35.1 -0.5
ASAR	Alice Springs	46.68 126	P	P	19 00 42.9 +0.2
ASAR			PcP	PcP	19 02 20.3 +4.3
AS31	Alice Springs	46.68 126	eP	P	19 00 42.4 -0.3
SONA0	Songino Array	46.90 12	eP	P	19 00 44.9 +0.8
SONM	Songino Array	46.90 12	eP	P	19 00 44.9 +0.8
SON1	Songino Array	46.92 12	eP	P	19 00 44.5 +0.3
ULN	Ulanbaatar	47.07 12	eP	P	19 00 45.6 +0.2
ULN			pmax	pmax	
GEYT	Alibeck	48.38 322	P	P	19 00 55.2 -0.5
GA0B	ALIBECK ARRAY	48.38 322	eP	P	19 00 55.4 -0.3
ZAK	Zakamensk	48.83 8	eP	P	19 00 58.1 -0.9
KURB8	Kurchatov Arra	50.08 347	P	P	19 01 08.6 +0.2
KURK	Kurchatov	50.15 348	eP	P	19 01 08.6 -0.3
KURK	Kurchatov	50.15 348	iP	P	19 01 08.7 -0.2
KURK			pmax	pmax	
RAYN	Ar Rayn	51.31 299	eP	P	19 01 18.2 +0.1
RAYN			pmax	pmax	
RAYN			pmax	pmax	
HIA	Hailar	52.03 21	iP	P	19 01 23.3 +0.2
ZAA0	Zalesovo Array	52.25 353	eP	P	19 01 24.4 -0.1
ZALV	Zalesovo Beam	52.25 353	eP	P	19 01 24.8 +0.2
ZALV	Zalesovo Beam	52.25 353	eP	P	19 01 24.3 -0.2
ZAA1	Zalesovo Array	52.25 353	eP	P	19 01 24.8 +0.2
NVS	Novosibirsk	53.32 352	eP	P	19 01 30.7 -1.7
NVS			pmax	pmax	
NVS			pmax	pmax	
BVA0	Borovoye Array	54.37 343	iP	P	19 01 38.8 -1.4
BVAR	Borovoye Array	54.37 343	P	P	19 01 39.5 -0.7
BRVK	Borovoye	54.43 343	eP	P	19 01 39.2 -1.4
AB31	Akbulak array	55.18 334	iP	P	19 01 44.7 -1.4
AB31			pmax	pmax	
ABKAR	Akbulak array	55.18 334	eP	P	19 01 44.9 -1.2
STKA	Stephens Creek	56.51 131	eP	P	19 01 54.9 -1.1
STKA	Stephens Creek	56.51 131	eP	P	19 01 55.5 -0.4
STKA	Stephens Creek	56.51 131	eP	P	19 01 55.5 -0.4
AKTO	Aktyubinsk	56.90 334	P	P	19 01 57.1 -1.2
KLR	Kul'dur	57.11 29	eP	P	19 02 00.9 +1.0
BOD	Bodaibo	57.88 131	eP	P	19 02 05.5 +0.4

BOD			pmax	pmax	
GNI	Garni	58.31 317	iP	P	19 02 06.4 -2.3
NCK	Nalchik	60.63 320	iP	P	19 02 23.1 -1.4
NCK			pmax	pmax	
SVE	Sverdlovsk	60.66 340	eP	P	19 02 22.8 -1.6
SVE			pmax	pmax	
NEY	Neytrino	61.08 320	iP	P	19 02 26.3 -1.5
NEY			pmax	pmax	
ARU	Arti	61.10 339	eP	P	19 02 25.6 -1.8
ARU			S	S	19 03 04.2
ARU			SS	SS	19 04 38.6
ARU			SS	SS	19 10 43.7 -0.2
ARU			SS	SS	19 14 42.9 -1.3
KBZ	Khabaz	61.19 320	P	P	19 02 28.4 +0.2
KIV	Kislovodsk	61.43 320	eP	P	19 02 28.5 -1.5
KIV	Kislovodsk	61.43 320	iP	P	19 02 29.6 -0.4
KIV			*PP	*PP	19 02 39.0 -1.7
KIV			eP	eP	19 02 48.0 +3.2
KIV			pmax	pmax	
BR101	Keskin Array S	66.00 313	eP	P	19 02 59.0 -1.3
BRTR	Keskin Array S	66.00 313	P	P	19 02 59.0 -1.3
BRTR	Keskin Array S	66.00 313	iP	P	19 02 59.5 -0.8
BRTR			pmax	pmax	
OBN	Obninsk	70.10 329	eP	P	19 03 23.2 -2.3
OBN			*PP	*PP	19 03 36.0 -0.4
OBN			pmax	pmax	19 03 47.0
OBN			MLR	MLR	
AKASG	Main Array Be	72.49 323	P	P	19 03 39.0 -1.1
AKASG	Main Array Be	72.49 323	iP	P	19 03 39.2 -0.9
AKKB	Main Array Si	72.49 323	eP	P	19 03 38.5 -1.6
AKKB	Main Array Si	72.49 323	eP	P	19 03 38.5 -1.6
TIXI	Tiksi	72.99 11	P	P	19 03 42.5 -0.1
TIXI	Tiksi	72.99 11	iP	P	19 03 41.4 -1.2
MLR	Muntele Rosu	73.09 317	eP	P	19 03 43.8 -0.1
MLR	Muntele Rosu	73.09 317	eP	P	19 03 43.8 -0.1
MLR	Muntele Rosu	73.09 317	eP	P	19 03 43.8 -0.1
MLR			pmax	pmax	
BUR04	Bucovina Ar. S	74.12 319	eP	P	19 03 49.5 -0.4
SEY	Seymchan	74.36 24	iP	P	19 03 52.1 +1.2
FLA0	FINESS Array S	77.66 333	eP	P	19 04 08.2 -1.5
FLA0	FINESS Array S	77.66 333	eP	P	19 04 08.2 -1.5
FINES	FINESS Array B	77.66 333	eP	P	19 04 08.2 -1.5
FINES	FINESS Array B	77.66 333	iP	P	19 04 08.1 -1.6
FINES			pmax	pmax	
VYHS	Vyhne	78.48 319	eP	P	19 04 14.5 -0.1
VYHS	Vyhne	78.48 319	eP	P	19 04 14.5 -0.1
GEA0	GERESS Array S	81.90 319	eP	P	19 04 32.6 -0.4
GEA0	GERESS Array S	81.90 319	eP	P	19 04 32.6 -0.4
GEA0	GERESS Array S	81.90 319	eP	P	19 04 32.6 -0.4
GEA0			pmax	pmax	
GERES	GERESS Array B	81.90 319	P	P	19 04 33.0 -0.1
KEST	Keora	84.25 306	P	P	19 04 46.4 +0.8
KEST	Keora	84.25 306	P	P	19 04 45.1 -0.4
DAV0X	Davos/Dischmat	84.30 317	P	P	19 04 45.6 -0.1
NAC	Naches	122.70 28	ePKP	PKP	19 11 07.6 -1.8
CSR	Chase Ranch	129.19 37	ePKP	PKP	19 11 10.4
LTX	Lajitas	144.62 27	ePKP	PKP	19 11 50.0 +0.4
LTX	Lajitas	144.62 27	ePKP	PKP	19 11 50.0 +0.5
TX31	Lajitas Ar. Si	144.62 27	ePKP	PKP	19 11 49.0 -0.3
TXAR	Lajitas Array	144.62 27	PKP	PKP	19 11 50.0 +0.4
TXAR	Lajitas Array	144.62 27	PKP	PKP	19 11 50.0 +0.5

AUI	Augustine Isla	2.79 360	P	Pn	18 54 56.8 -1.8
AUW	Augustine West	2.83 359	P	Pn	18 54 57.4 +1.9
AUNW	Augustine Nwes	2.84 359	P	Pn	18 54 57.5 +1.9
CNPM	China Point	3.20 20	ePn	Pn	18 55 01.1 +0.4
CNPM			eSn	Sn	18 55 39.0 +0.8
VNHG	Veniaminof 1	3.21 267	P	Pn	18 55 42.7 +0.4
HOM	Homer	3.26 16	ePn	Pn	18 55 02.5 +1.1
VNFG	Veniaminof 2	3.42 268	P	Pn	18 55 04.0 +0.3
VNWF	Veniaminof 8	3.44 266	P	Pn	18 55 03.4 -0.7
BRLK	Bradley Lake	3.49 22	ePn	Pn	18 55 04.4 -0.3
BRLK			eSn	Sn	18 55 44.3 -1.0
ILIM	Iliamna	3.55 4	ePn	Pn	18 55 11.9 -1.7
RSD	Redoubt South	3.94 5	ePn	Pn	18 55 11.8 +0.8
RSDW	Redoubt West	3.96 4	P	Pn	18 55 12.3 +1.1
RDJH	Redoubt Jeurge	4.07 4	P	Pn	18 55 13.7 +1.1
DFR	Drift River	4.07 5	P	Pn	18 55 13.7 +1.0
SDPT	Sand Point	4.15 256	ePn	Pn	18 55 11.9 -1.7
SLKM	Skialik Lake	4.31 22	ePn	Pn	18 55 15.9 0.0
SLKM	Skialik Lake	4.31 22	ePn	Pn	18 55 15.9 0.0
SVW2	Sparrevohn	4.70 347	ePn	Pn	18 55 21.9 +0.7
SPU	Mount Spurr	4.70 8	ePn	Pn	18 55 21.7 +0.5
SPCR	Spurr Chakacha	4.71 7	P	Pn	18 55 22.6 +1.2
MID	Middleton Isla	4.75 30	ePn	Pn	18 55 21.6 -0.2
MID	Middleton Isla	4.75 30	ePn	Pn	18 55 21.6 -0.2
SPCP	Crater Peak Br	4.78 7	ePn	Pn	18 55 23.6 +1.2
SPCV	Spurr Capps Gl	4.81 8	P	Pn	18 55 24.0 +1.1
PVG	Pavlov Volcano	4.85 259	P	Pn	18 55 22.2 -1.0
PSA	Pavlov South-4	4.89 259	P	Pn	18 55 22.7 +1.2
FIB	Fire Island	4.93 19	ePn	Pn	18 55 25.7 +1.4
FIB	Fire Island	4.93 19	ePn	Pn	18 55 25.7 +1.4
RC01	Rabbit Creek A	4.94 21	ePn	Pn	18 55 24.2 -0.2
SCUA	Susitna One	5.12 15	ePn	Pn	18 55 27.1 0.0
DT1	Dutton Round H	5.20 258	ePn	Pn	18 55 26.3 -1.8
HIN	Hinchinbrook I	5.30 40	eSn	Sn	18 55 27.8 -1.9
HIN			eSn	Sn	18 56 27.8 -1.9
GLI	Glacier Island	5.45 35	ePn	Pn	18 55 30.1 -1.5
KNK	Knik Glacier	5.51 26	P	Pn	18 55 31.7 -0.6
PMR	Palmer	5.52 22	ePn	Pn	18 55 31.0 -1.4
PMR	Palmer	5.52 22	ePn	Pn	18 55 31.0 -1.4
SKP	Skawatina	5.53 30	ePn	Pn	18 55 31.1 +0.4
FID	Port Fidalgo	5.55 38	ePn	Pn	18 55 31.1 -1.9
EYAK	Cordova Ski Ar	5.67 42	ePn	Pn	18 55 33.5 -1.1
GHO	Glory Hole Cre	5.73 22	ePn	Pn	18 55 34.5 -0.9
JPK	Jack Peak	5.74 35	ePn	Pn	18 55 34.6 -0.9
KAIM	Kayak Island	5.84 51	ePn	Pn	18 55 35.9 -0.9
SML	Sawmill	5.89 24	ePn	Pn	18 55 36.7 -0.8
SML	Sawmill	5.89 24	ePn	Pn	18 55 36.7 -0.8
FALS	Falls Pass	5.90 257	ePn	Pn	18 55 35.8 -1.9
RAGM	Ragged Mountai	5.99 46	ePn	Pn	18 55 37.6 -1.3
TRGM	Trask	6.07 38	ePn	Pn	18 55 37.1 -1.0
DIV	Divide	6.07 38	ePn	Pn	18 55 39.1 -1.0
GOAT	Goat Mountain	6.08 45	P	Pn	18 55 39.9 -0.4
SCM	Sheep Creek Mo	6.15 28	ePn	Pn	18 55 40.5 -0.7
SUCK	Suckling Hills	6.19 51	P	Pn	18 55 41.0 -0.7
NICHA	Nichawak Mount	6.19 49	P	Pn	18 55 41.3 -0.4
TRM	Trask Ridge	6.29 44	P	Pn	18 55 42.0 -0.4
SSW	Shishaldin Wes	6.31 258	P	Pn	18 55 42.6 -0.8
SSBA					

PV21	Cone Mtn., Par	34.22 103	eP	P	19 00 57.1 +1.2
N23A	Red Feather La	34.23 97	P	P	19 00 57.0 +1.0
N23A	Red Feather La	34.23 97	eP	P	19 00 57.3 +1.4
PV23	Carpenter Ridg	34.28 103	eP	P	19 00 58.0 +1.6
IRM	Iron Mountain	34.32 114	P	P	19 00 58.1 +1.6
PV22	Blue Mesa, Pa	34.34 102	eP	P	19 00 57.6 +0.7
109C	Camp Elliot, M	34.37 118	P	P	19 00 58.4 +1.6
PV20	West Nyswonger	34.38 103	eP	P	19 00 58.3 +1.1
PV17	East Wray Mesa	34.43 103	eP	P	19 00 58.8 +1.1
PV16	Nyswonger Mesa	34.44 103	eP	P	19 00 58.6 +1.0
PV11	David Mesa, Pa	34.47 103	eP	P	19 00 59.3 +1.4
PV18	Skein Mesa, Pa	34.49 103	eP	P	19 00 59.2 +1.1
PV12	Saucer Basin,	34.49 103	eP	P	19 00 59.5 +1.4
BC3	Paradox Valley	34.51 103	eP	P	19 00 59.5 +1.1
PV03	Big Chickawall	34.57 115	P	P	19 00 59.6 +0.9
PV13	Radium Mtn., P	34.60 103	eP	P	19 00 59.5 +0.4
PV02	Paradox Valley	34.61 103	eP	P	19 01 00.1 +1.0
MONP2	Monument Peak	34.70 117	P	P	19 01 01.3 +1.4
PDMCI	Parker Dam, Lak	34.72 113	P	P	19 01 01.4 +1.5
BAR	Barrett	34.75 118	eP	P	19 01 01.2 +1.1
PV01	Paradox Valley	34.75 103	eP	P	19 01 01.5 +1.1
SMCO	Snowmass	34.87 100	eP	P	19 01 02.6 +1.0
Y12C	Blythe	34.96 114	P	P	19 01 03.6 +1.6
Y12C	Blythe	34.96 114	eP	P	19 01 02.4 +0.5
SWSC	Sam W. Stewart	34.96 116	P	P	19 01 03.3 +1.4
A33A	Warroad	34.98 77	P	P	19 01 04.4 +2.4
IKP	In-Ko-Pah, Jac	35.05 117	P	P	19 01 04.3 +1.4
AGMN	Agassiz Nation	35.10 79	P	P	19 01 04.2 +1.2
AGMN	Agassiz Nation	35.10 79	eP	P	19 01 03.8 +0.8
ISCO	Idaho Springs	35.17 98	P	P	19 01 05.0 +0.9
ISCO	Idaho Springs	35.17 98	eP	P	19 01 06.0 +1.8
WUAZ	Wupatki	35.21 109	P	P	19 01 05.9 +1.6
GLA	Glamis	35.36 115	P	P	19 01 06.6 +1.1
GLA	Glamis	35.36 115	eP	P	19 01 05.0 -0.4
GLA	Glamis	35.36 115	eP	P	19 01 05.1 -0.4
C33A	Trail	35.46 79	P	P	19 01 07.2 +1.1
MVCO	Mesa Verde	35.47 104	P	P	19 01 07.5 +0.9
MVCO	Mesa Verde	35.47 104	eP	P	19 01 07.5 +0.9
B34A	Aery, Baudette	35.64 77	P	P	19 01 08.7 +1.0
SUSD	Miller	35.75 86	P	P	19 01 10.0 +1.3
S22A	4UR Ranch, Cre	35.98 101	P	P	19 01 12.7 +1.7
S22A	4UR Ranch, Cre	35.98 101	eP	P	19 01 11.5 +0.5
C34A	RKJ Ranch, Bem	35.99 79	P	P	19 01 11.9 +1.1
Q24A	Divide	36.02 98	P	P	19 01 12.9 +1.5
B35A	Bob, Littlefor	36.22 77	P	P	19 01 13.4 +0.8
B35A	Bob, Littlefor	36.22 77	eP	P	19 01 12.9 +0.3
C35A	Jirik Farms, M	36.47 78	eP	P	19 01 15.9 +1.1
H32A	Carlson Farm,	36.55 85	P	P	19 01 16.8 +1.2
SDCO	Great Sand Dun	36.70 100	P	P	19 01 18.6 +1.3
SDCO	Great Sand Dun	36.70 100	eP	P	19 01 18.5 +1.3
NKL	Nikolayevsk	36.79 293	eP	P	19 01 12.0 -5.4
NKL	NKL	comp=Z,43nm,1.0s		P	
NKL	NKL	comp=N,500nm,16.0s		MLR	MLR
NKL	NKL	comp=E,450nm,16.0s		MLR	MLR
D35A	Remer	36.80 79	P	P	19 01 18.9 +1.2
E35A	Pequot Lakes	36.93 80	P	P	19 01 19.9 +1.2
F34A	Alexandria	36.93 82	P	P	19 01 20.0 +1.2
TYV	Tymovskoe	37.03 289	eP	P	19 01 15.1 -4.4
TYV	TYV	comp=Z,200nm,5.5s		P	
TYV	TYV	comp=Z,37nm,0.8s		P	
TYV	TYV	comp=Z,900nm,19.0s		MLR	MLR
TYV	TYV	comp=E,2um,19.0s		MLR	MLR
C36A	Pine Crest Far	37.05 77	P	P	19 01 21.0 +1.2
D36A	Goodland	37.23 78	P	P	19 01 22.8 +1.6
D36A	Goodland	37.23 78	eP	P	19 01 22.6 +1.3
214A	Organ Pipe Nat	37.25 114	P	P	19 01 22.9 +1.2
KSCO	Kaye Shedlock'	37.37 96	P	P	19 01 24.6 +1.9
KSCO	Kaye Shedlock'	37.37 96	eP	P	19 01 24.1 +1.4
C37A	Embarrass	37.42 77	P	P	19 01 24.0 +1.1
YAK	Yakutsk	37.49 311	eP	P	19 01 21.6 -1.7
YAK	Yakutsk	37.49 311	eP	P	19 01 22.0 -1.2
YAK	Yakutsk	37.49 311	eP	P	19 01 22.9 -0.6
YAK	Yakutsk	19 03 04.6		PPP	PPP
YAK	Yakutsk	19 03 39.6		eS	S
YAK	Yakutsk	19 07 08.2 -2.3		eS	S
YAK	Yakutsk	19 09 46.3 -1.8		eS	S
YAK	Yakutsk	19 11 30.3		P	P
YAK	Yakutsk	comp=Z,95nm,0.8s		P	P
YAK	Yakutsk	comp=N,13nm,1.3s		P	P
YAK	Yakutsk	comp=E,35nm,1.1s		P	P
YAK	Yakutsk	comp=Z,18nm,1.1s		P	P
YAK	Yakutsk	comp=N,26nm,1.5s		P	P
YAK	Yakutsk	comp=E,15nm,1.4s		P	P
YAK	Yakutsk	comp=N,17nm,2.0s		P	P
YAK	Yakutsk	comp=E,17nm,2.2s		P	P
YAK	Yakutsk	comp=Z,990nm,19.0s		P	P
YAK	Yakutsk	comp=N,394nm,20.0s		P	P
YAK	Yakutsk			MLR	MLR

ECSD	EROS Data Cent	37.50 85	P	P	19 01 24.1 +0.5
ECSD	EROS Data Cent	37.50 85	eP	P	19 01 23.9 +0.3
E36A	McGregor	37.58 79	P	P	19 01 25.0 +0.8
KUR	Kuril'sk	37.59 278	eP	S	19 01 23.0 -1.3
KUR	KUR	comp=Z,115nm,1.5s		P	19 07 15.4 +3.1
KUR	KUR	comp=Z,351nm,13.0s		MLR	MLR
D37A	Cotuit	37.64 78	P	P	19 01 25.6 +0.9
EYMN	Ely	37.66 76	P	P	19 01 25.7 +0.8
EYMN	Ely	37.66 76	eP	P	19 01 25.2 +0.3
T25A	Trinidad	37.73 100	P	P	19 01 27.8 +1.9
T25A	Trinidad	37.73 100	eP	P	19 01 27.5 +1.6
F36A	Milaca	37.84 80	P	P	19 01 28.6 +2.2
F36A	Milaca	37.84 80	eP	P	19 01 27.5 +1.1
H35A	Southside Rate	37.86 83	P	P	19 01 27.9 +1.3
C38A	Sawbill Land.	37.92 76	P	P	19 01 27.5 +0.4
TUC	Tucson	38.01 111	P	P	19 01 29.5 +1.4
G36A	St. Michael	38.11 81	P	P	19 01 30.2 +1.5
BGNE	Belgrade	38.19 89	P	P	19 01 30.7 +1.3
TASM	ASL Pad, Albuq	38.25 104	P	P	19 01 31.4 +1.2
ANMO	Albuquerque	38.25 104	P	P	19 01 31.6 +1.3
ANMO	Albuquerque	comp=Z,1.4nm,0.6s,baz=344,slow=9.3,SNR=4.4		P	19 03 44.9 +0.8
ANMO	Albuquerque	comp=Z,1.8nm,0.7s,baz=311,slow=3.7,SNR=4.0		LR	LR
ANMO	Albuquerque	comp=Z,199nm,18.6s,baz=306,slow=36		LR	LR
ANMO	Albuquerque	38.25 104	P	P	19 01 30.6 +0.3
ANMO	Albuquerque	38.25 104	eP	P	19 01 31.2 +0.9
ANMO	Albuquerque	comp=Z,45nm,2.0s		P	19 03 45.0 +0.8
ANMO	Albuquerque	38.25 104	eP	P	19 01 31.6 +1.3
TASL	Snake Pit, Alb	38.25 104	P	P	19 01 30.6 +0.3
F37A	Hinrichs Farm,	38.42 80	P	P	19 01 32.0 +0.8
E38A	The Farm, Brul	38.45 78	P	P	19 01 32.4 +1.1
E38A	The Farm, Brul	38.45 78	eP	P	19 01 32.4 +0.8
SPMN	Marine on St.	38.63 80	P	P	19 01 34.1 +1.0
SPMN	Marine on St.	38.63 80	eP	P	19 01 34.1 +1.0
Y22D	IRIS PASSCAL I	38.67 105	P	P	19 01 34.5 +0.8
Y22E	IRIS PASSCAL I	38.67 105	P	P	19 01 35.0 +1.3
F38A	Pierce - Schro	38.79 79	P	P	19 01 34.4 +0.9
I36A	Fitzsimmons Fa	38.74 83	P	P	19 01 35.5 +1.4
C40A	Isle Royale Na	38.94 75	P	P	19 01 37.0 +1.3
C40A	Isle Royale Na	38.94 75	eP	P	19 01 35.5 -0.1
J36A	Semino, I, Swea	39.02 84	P	P	19 01 37.1 +0.7
SHO	Shikotan	39.03 277	iP	P	19 01 34.8 -1.6
I37A	Lemond, Waseca	39.09 82	P	P	19 01 38.2 +1.2
I37A	Lemond, Waseca	39.09 82	eP	P	19 01 37.8 +0.9
CBKS	Cedar Bluff	39.10 94	P	P	19 01 38.5 +1.3
E39A	Melton, Waseca	39.13 77	P	P	19 01 38.1 +0.8
G38A	Ridgeland	39.19 80	P	P	19 01 38.6 +0.9
F39A	Loretta	39.22 78	P	P	19 01 39.2 +1.1
H38A	Maiden Rock	39.27 81	P	P	19 01 39.9 +1.5
YSS	Yuzh-Sakhalins	39.29 284	eP	P	19 01 37.4 -1.1
YSS	Yuzh-Sakhalins	39.29 284	iP	P	19 01 38.2 -0.4
YSS	YSS	19 03 08.8			
YSS	YSS	19 03 46.7			
YSS	YSS	19 07 39.5 +1.5		S	S
YSS	YSS	comp=Z,20nm,1.1s		P	P
YSS	YSS	comp=Z,100nm,3.4s		P	P
YSS	YSS	comp=N,100nm,2.9s		P	P
YSS	YSS	comp=Z,400nm,19.0s		MLR	MLR
YSS	YSS	comp=N,300nm,16.0s		MLR	MLR
YSS	YSS	comp=E,500nm,16.0s		MLR	MLR
121A	Cookes Peak, D	39.40 108	P	P	19 01 41.5 +1.7
K36A	Gilmore City	39.41 85	P	P	19 01 40.5 +0.9
E40A	Wakefield	39.44 77	P	P	19 01 41.5 +1.6
J37A	Redenius Farm,	39.46 83	P	P	19 01 41.1 +1.0
G39A	Holcombe	39.49 79	P	P	19 01 41.2 +1.0
L36A	Harm Buss Farm	39.65 86	P	P	19 01 42.9 +1.3
F40A	Park Falls	39.65 78	P	P	19 01 42.5 +0.8
I38A	Scanlan Farm,	39.66 82	P	P	19 01 42.9 +1.2
K37A	Chassel	39.77 84	P	P	19 01 43.3 +0.6
D41A	Chassel	39.78 75	P	P	19 01 44.0 +1.4
H39A	Augusta	39.81 80	P	P	19 01 43.4 +0.5
FRB	Profisher Bay	39.84 44	P	P	19 01 43.5 +0.6
E41A	Kenton	39.94 76	P	P	19 01 43.9 0.0
M36A	Felix, Anita	40.01 86	P	P	19 01 45.0 +0.3
G40A	Rib Lake	40.02 79	eP	P	19 01 45.9 +1.2
J38A	Wedel Dairy, R	40.05 83	P	P	19 01 45.0 +0.1
COWI	Conover	40.07 77	eP	P	19 01 45.5 +0.4
L37A	Houston	40.14 85	P	P	19 01 46.7 +1.0
I39A	Houston	40.22 81	P	P	19 01 47.3 +0.9
I39A	Houston	40.22 81	eP	P	19 01 46.2 -0.2
GRNR	Gornyy	40.31 293	eP	P	19 01 48.1 +1.1
GRNR	GRNR	19 03 52.9		P	P
F41A	Three Lakes	40.32 77	P	P	19 01 48.0 +0.8
F41A	Three Lakes	40.32 77	eP	P	19 01 47.9 +0.8

K38A	Parkersburg	40.33 84	P	P	19 01 48.4 +1.1
H40A	Chili	40.34 79	P	P	19 01 49.1 +1.8
N36A	Mut Farm, A	40.36 87	P	P	19 01 48.7 +1.2
M37A	Trindle Farm,	40.46 86	P	P	19 01 49.5 +1.1
J39A	Decorah	40.46 82	P	P	19 01 49.1 +0.7
E42A	Champion	40.52 76	P	P	19 01 49.3 +0.5
L38A	Oak Wood Farm,	40.56 84	P	P	19 01 50.2 +0.9
SCIA	State Center	40.58 85	P	P	19 01 50.8 +1.4
G41A	Antigo	40.61 78	P	P	19 01 50.9 +1.3
KSU1	Kansas State U	40.63 91	P	P	19 01 50.3 +0.5
KSU1	Kansas State U	40.63 91	eP	P	19 01 51.1 +1.2
I40A	Norwalk	40.69 81	P	P	19 01 51.3 +1.1
K39A	Oelwein	40.78 83	P	P	19 01 51.2 +0.2
N37A	Lee Farms, Mou	40.81 87	P	P	19 01 52.5 +1.3
N37A	Lee Farms, Mou	40.81 87	eP	P	19 01 52.1 +0.9
F42A	Maple Grove Fa	40.83 77	P	P	19 01 52.6 +1.2
AMTX	Amarillo	40.89 100	P	P	19 01 53.4 +1.3
AMTX	Amarillo	40.89 100	eP	P	19 01 53.2 +0.2
M38A	Pleasantville	40.92 85	P	P	19 01 53.2 +0.8
J40A	Soldiers Grove	40.95 81	P	P	19 01 53.2 +0.8
MSTX	Muleshoe	40.98 102	P	P	19 01 54.0 +1.2
MSTX	Muleshoe	40.98 102	eP	P	19 01 53.4 +0.5
I41A	Arkdale	40.99 80	P	P	19 01 53.9 +1.2
I41A	Arkdale	40.99 80	eP	P	19 01 53.8 +1.2
G42A	Mountain	41.00 77	P	P	19 01 53.8 +1.0
G42A	Mountain	41.00 77	eP	P	19 01 53.6 +0.8
E43A	Lone Tree Farm	41.05 7			

20d 18h

Table with columns: ID, Name, Lat, Lon, Elev, Az, Az2, Az3, Az4, Az5, Az6, Az7, Az8, Az9, Az10, Az11, Az12, Az13, Az14, Az15, Az16, Az17, Az18, Az19, Az20, Az21, Az22, Az23, Az24, Az25, Az26, Az27, Az28, Az29, Az30, Az31, Az32, Az33, Az34, Az35, Az36, Az37, Az38, Az39, Az40, Az41, Az42, Az43, Az44, Az45, Az46, Az47, Az48, Az49, Az50, Az51, Az52, Az53, Az54, Az55, Az56, Az57, Az58, Az59, Az60, Az61, Az62, Az63, Az64, Az65, Az66, Az67, Az68, Az69, Az70, Az71, Az72, Az73, Az74, Az75, Az76, Az77, Az78, Az79, Az80, Az81, Az82, Az83, Az84, Az85, Az86, Az87, Az88, Az89, Az90, Az91, Az92, Az93, Az94, Az95, Az96, Az97, Az98, Az99, Az100. Rows include stations like N41A Harden Midland, K43A Burlington, R38A Fenwick Farm, etc.

2012 JUL

Table with columns: ID, Name, Lat, Lon, Elev, Az, Az2, Az3, Az4, Az5, Az6, Az7, Az8, Az9, Az10, Az11, Az12, Az13, Az14, Az15, Az16, Az17, Az18, Az19, Az20, Az21, Az22, Az23, Az24, Az25, Az26, Az27, Az28, Az29, Az30, Az31, Az32, Az33, Az34, Az35, Az36, Az37, Az38, Az39, Az40, Az41, Az42, Az43, Az44, Az45, Az46, Az47, Az48, Az49, Az50, Az51, Az52, Az53, Az54, Az55, Az56, Az57, Az58, Az59, Az60, Az61, Az62, Az63, Az64, Az65, Az66, Az67, Az68, Az69, Az70, Az71, Az72, Az73, Az74, Az75, Az76, Az77, Az78, Az79, Az80, Az81, Az82, Az83, Az84, Az85, Az86, Az87, Az88, Az89, Az90, Az91, Az92, Az93, Az94, Az95, Az96, Az97, Az98, Az99, Az100. Rows include stations like JCT Junction City, BMRO Meriville Lake, KLBO Meriville Provi, etc.

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Table with columns: ID, Name, Lat, Lon, Elev, Az, Az2, Az3, Az4, Az5, Az6, Az7, Az8, Az9, Az10, Az11, Az12, Az13, Az14, Az15, Az16, Az17, Az18, Az19, Az20, Az21, Az22, Az23, Az24, Az25, Az26, Az27, Az28, Az29, Az30, Az31, Az32, Az33, Az34, Az35, Az36, Az37, Az38, Az39, Az40, Az41, Az42, Az43, Az44, Az45, Az46, Az47, Az48, Az49, Az50, Az51, Az52, Az53, Az54, Az55, Az56, Az57, Az58, Az59, Az60, Az61, Az62, Az63, Az64, Az65, Az66, Az67, Az68, Az69, Az70, Az71, Az72, Az73, Az74, Az75, Az76, Az77, Az78, Az79, Az80, Az81, Az82, Az83, Az84, Az85, Az86, Az87, Az88, Az89, Az90, Az91, Az92, Az93, Az94, Az95, Az96, Az97, Az98, Az99, Az100. Rows include stations like MEDO Medina, Q50A Georgetown, MDJ Kulanjiang, etc.

20d 18h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like BRG, KSP, USF, WLF, etc.

2012 JUL

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like BFO, GERES, GEA0, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like MLR, LOT, ARR, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VPAQ, DDEM, PBVD, GUN, GEYT, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LUWI, CSS, MATHI, SBUM, MMAL, etc.

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

CD2		S	S	20 26 31.2+3
CD2	comp=Z,10.0nm,0.5s	pmax	pmax	
CD2	comp=Z,120nm,5.2s	LR	LR	
CD2	comp=Z,320nm,16.4s	LR	LR	
CD2	comp=Z,230nm,13.9s	LR	LR	
MAJO	Matsushiro	34.82	17 eP	P 20 31 01.3 -0.7
MAJO	Matsushiro		ePcP	20 33 34.0 +0.9
MAJO	Matsushiro		P	20 42 56.4
MAJO	Matsushiro	34.82	17 iP	P 20 31 01.2 -0.7
MAJO	Matsushiro		pmax	
MAT	Matsushiro	34.82	17 P	P 20 31 01.4 -0.5
MAT	Matsushiro		eS	20 36 29.8 +4.7
MJAR	Matsushiro Arr	34.82	17 P	P 20 31 01.4 -0.5
MJAR	comp=Z,3.2nm,0.6s,baz=197,slow=9.3,SNR=10.0	PcP	PcP	20 33 34.0 +0.9
MJAR	comp=Z,1.1nm,0.7s,baz=186,slow=4.2,SNR=8.7	LR	LR	20 42 56.4
MJB9	Matsu-Tunnel	34.82	17 eP	P 20 31 01.3 -0.7
DL2	Dalian	35.51	354 P	pmax 20 31 09.6 +1.9
DL2			pmax	
HNR	Honiara	36.23	111 eP	P 20 31 11.7 -2.6
HNR	Honiara		eP	20 31 11.7 -2.6
HNR	Honiara		pmax	
NWAO	Narogin (SRO)	37.11	192 P	P 20 31 20.9 -0.6
NWAO	comp=Z,7.0nm,0.5s,baz=264,slow=7.0,SNR=12	P	P	20 31 20.9 -0.6
NWAO	Narogin (SRO)	37.11	192 eP	P 20 31 20.9 -0.6
NWAO	Narogin (SRO)	37.11	192 eP	P 20 31 20.9 -0.6
NWAO	comp=Z,30nm,1.2s	pmax	pmax	
BBOO	Bucklebo	37.32	166 eP	P 20 31 22.4 -0.8
BJT	Baijiatuu	37.46	348 eP	P 20 31 24.7 +0.3
BJT	Baijiatuu		eP	20 31 24.7 +0.3
BJT	Baijiatuu		pmax	
STKA	Stephens Creek	38.16	158 P	P 20 31 29.7 -0.7
STKA	comp=Z,9.2nm,0.6s,baz=330,slow=9.6,SNR=25	P	P	20 31 29.2 -1.2
STKA	Stephens Creek	38.16	158 eP	P 20 31 29.2 -1.2
STKA	Stephens Creek		eP	20 31 29.2 -1.2
STKA	Stephens Creek		pmax	
LZH	Lanzhou	38.34	331 eP	P 20 31 32.3 +0.2
LZH			pP	20 31 54.3 -1.6
LZH			eP	20 32 04.1 -3.7
LZH			PP	20 32 58.4 -3.5
LZH			S	20 37 17.3 -1.9
LZH			sS	20 37 53.6 -6.7
LZH	comp=Z,26nm,1.1s	pmax	pmax	
LZH	comp=Z,130nm,4.9s	LR	LR	
LZH	comp=Z,430nm,11.4s	LR	LR	
LZH	comp=Z,570nm,11.4s	LR	LR	
LZH	comp=Z,760nm,12.8s	LR	LR	
SHL	Shillong	39.41	307 eP	P 20 31 40.6 -0.5
SHL	Shillong		eP	20 31 40.6 -0.5
HHC	Hu-ho-hao-te	39.42	343 eP	P 20 31 42.5 +1.6
HHC			pP	20 32 03.9 -0.9
HHC			sP	20 32 14.0 -2.6
HHC			S	20 37 40.8 +5.8
HHC			sS	20 38 15.4 -0.9
HHC	comp=Z,11nm,0.9s	pmax	pmax	
HHC	comp=Z,74nm,6.3s	LR	LR	
HHC	comp=Z,120nm,14.5s	LR	LR	
HHC	comp=Z,120nm,14.7s	LR	LR	
CN2	Changchun	40.18	359 eP	P 20 31 47.3 +0.3
CN2			pmax	
USA0B	Ussuriysk Arra	40.93	7 eP	P 20 31 53.9 +0.8
USRK	Ussuriysk Ar.	40.93	7 P	P 20 31 54.2 +1.1
USRK	comp=Z,11nm,0.8s,baz=188,slow=5.8	PcP	PcP	20 33 52.3 +0.6
MDJ	Mudanjiang	41.12	4 P	P 20 31 53.3 -1.4
MDJ			pP	20 32 14.4 -4.3
MDJ			sP	20 32 25.0 -5.6
MDJ	comp=Z,37nm,0.9s	pmax	pmax	
MDJ	comp=Z,310nm,4.4s			
MDJ	Mudanjiang	41.12	4 eP	P 20 31 55.5 +0.8
ERM	Erimo	41.37	20 eP	P 20 31 58.3 +1.5
ERM	comp=Z,78nm,1.3s	P	P	20 31 58.3 +1.5
ERMA	Armide	41.68	146 eP	P 20 31 59.9 +0.2
LSA	Lhasa	42.03	312 eP	P 20 32 03.6 +0.7
LSA	comp=Z,133nm,1.8s			
LSA	Lhasa	42.03	312 eP	P 20 32 03.7 +0.7
LSA	comp=Z,6.3nm,0.7s	pmax	pmax	
GTA	Gaotai	42.93	330 iP	P 20 32 09.3 -0.4
GTA			PcP	20 34 00.8 +2.1
GTA			PcS	20 37 49.8 -1.4
GTA			S	20 38 30.0 +2.8
GTA			SS	20 41 37.5 -5.3
GTA	comp=Z,4.0nm,1.3s	pmax	pmax	
GTA	comp=Z,27nm,5.7s	LR	LR	
GTA	comp=Z,130nm,17.8s	LR	LR	
GTA	comp=Z,110nm,17.5s	LR	LR	
ASAJ	Asahikawa	43.09	18 P	P 20 32 11.7 +0.9
ASAJ	comp=Z,45nm,22.0s,baz=194,slow=33	LR	LR	20 48 09.1
ASAJ	Asahikawa	43.09	18 eP	P 20 32 12.3 +1.6
ODAN	Odare	43.59	306 eP	P 20 32 14.7 -0.6
CAN	Canberra	44.23	153 eP	P 20 32 21.6 +1.5
CAN	comp=Z,16nm,0.7s			
CAN	Canberra	44.23	153 eP	P 20 32 21.6 +1.5
CAN	comp=Z,21nm,1.7s	pmax	pmax	
RAMN	Ramite	44.26	306 eP	P 20 32 19.3 -1.5
JIRN	Jiri	44.89	307 eP	P 20 32 25.2 -0.7
PALK	Pallekele	45.18	277 eP	PcP 20 34 07.5 +0.8
PALK	comp=Z,6.9nm,0.6s,baz=114,slow=2.6,SNR=6.7	LR	LR	20 51 12.3
PALK	Pallekele	45.18	277 iP	P 20 32 32.2 +4.2
GUN	Gumba	45.25	307 eP	P 20 32 28.0 -0.7
KKN	Kakani	45.68	306 eP	P 20 32 30.9 -1.0
YSS	Yuzh-Sakhalins	45.72	16 eP	P 20 32 32.4 +0.8
YSS	comp=Z,8.8nm,0.5s			
YSS	Yuzh-Sakhalins	45.72	16 eP	P 20 32 32.6 +1.0
YSS	comp=Z,20nm,1.3s	pmax	pmax	
YSS	comp=Z,100nm,3.2s	pmax	pmax	

DMN	Daman	45.74	306 eP	P 20 32 32.7 +0.2
KLR	Kul'dur	45.88	5 iP	P 20 32 33.0 +0.1
GKN	Gorkha	46.29	306 eP	P 20 32 36.4 -0.2
DZM	Mont Dzumac	47.03	125 P	P 20 32 43.2 +0.8
DZM	comp=Z,4.2nm,0.8s,baz=292,slow=19,SNR=4.5			
DZM	Mont Dzumac	47.03	125 eP	P 20 32 43.0 +0.6
KOLN	Koldanda	47.03	305 eP	P 20 32 41.9 -0.6
DANN	Dangsing	47.13	306 eP	P 20 32 42.7 -0.7
ULN	Ulaanbatar	47.14	343 eP	P 20 32 42.3 -0.6
ULN			pmax	
SONAO	Songino Array	47.31	342 eP	P 20 32 42.5 -1.7
SONAO	comp=Z,2.8nm,1.3s	PcP	PcP	20 34 14.3 +0.6
SONAO	Songino Array	47.31	342 eP	P 20 32 42.3 -1.7
SONM	Songino Array	47.31	342 eP	P 20 32 42.5 -1.7
SONM	comp=Z,4.6nm,0.8s,baz=160,slow=8.1,SNR=11	PcP	PcP	20 34 14.3 +0.6
SONM	comp=Z,2.92nm,20.6s,baz=160,slow=17	LR	LR	20 53 23.5
SONA1	Songino Array	47.32	342 eP	P 20 32 43.4 -1.0
SONA1	comp=Z,106nm,0.9s	ePcP	ePcP	20 34 14.2 +0.5
PYUN	Piuthan	47.66	305 eP	P 20 32 46.9 -0.5
ZEA	Zeya	50.13	1 eP	pmax 20 33 06.0 +0.4
ZEA	comp=Z,28nm,1.2s	pmax	pmax	
WMQ	Urumqi	52.50	326 P	pP 20 33 24.8 +1.3
WMQ			sP	20 33 56.8 -3.3
WMQ			PcP	20 34 33.3 +0.6
WMQ	comp=Z,21nm,0.6s	pmax	pmax	
WMQ	comp=Z,180nm,4.7s	LR	LR	
WMQ	comp=Z,220nm,18.1s	LR	LR	
WMQ	comp=Z,140nm,25.1s	LR	LR	
BOD	Bodaibo	55.02	352 eP	P 20 33 41.3 -0.2
BOD			pmax	
PEAOB	Petrovlovsk-	55.98	23 eP	P 20 33 50.2 +1.7
PETK	Petrovlovsk-	55.98	23 eP	P 20 33 49.9 +1.4
PETK	comp=Z,11nm,0.7s,baz=189,slow=4.4	PcP	PcP	20 34 46.3 +0.5
PETK	baz=176,slow=4.2	PcP	PcP	20 33 50.1 +1.6
PETK	Petrovlovsk-	55.98	23 eP	P 20 33 50.1 +1.6
PETK			eP	20 34 46.6 +0.7
PEA1	Petrovlovsk-	55.98	23 eP	P 20 34 46.6 +0.7
PEA1			eP	20 34 46.6 +0.7
DGZ	Jazzator, Alta	56.45	331 iP	P 20 33 49.9 +1.4
DGZ			pmax	20 33 52.1 0.0
MK01	Makanchi Array	57.31	326 eP	P 20 33 57.1 -1.0
MK01			ePcP	20 34 50.3 -0.9
MK31	Makanchi Array	57.33	326 eP	P 20 33 57.2 -1.0
MK31			ePcP	20 34 51.2 0.0
MK31	Makanchi Array	57.33	326 eP	P 20 33 57.3 -1.0
MK31			eP	20 34 51.2 0.0
MK32	Makanchi Array	57.33	326 eP	P 20 33 57.5 -0.8
MK32			eP	20 34 22.6 -0.9
MK32	Makanchi Array	57.33	326 eP	P 20 34 49.9 -1.3
MK32			ePcP	20 38 41.5 -0.2
MK32			eS	20 41 48.4 -0.7
MKAR	Makanchi Array	57.33	326 P	P 20 33 57.5 -0.7
MKAR	comp=Z,2.1nm,0.4s,baz=117,slow=7.5,SNR=57	pP	pP	20 34 22.6 -0.9
MKAR	comp=Z,1.8nm,0.4s,baz=126,slow=9.6,SNR=3.9	PcP	PcP	20 34 49.9 -1.3
MKAR	comp=Z,16nm,0.6s,baz=122,slow=3.8,SNR=21	ScP	ScP	20 38 41.5 -0.2
MKAR	comp=Z,0.0nm,0.8s,baz=133,slow=3.4,SNR=4.0	LR	LR	21 01 48.4
MKAR	comp=Z,26nm,18.4s,baz=88,slow=39	LR	LR	20 33 57.5 -0.7
MKAR	Makanchi Array	57.33	326 eP	P 20 34 22.6 -0.9
MKAR			pP	20 34 51.6 +0.4
MKAR			ePcP	20 38 41.5 -0.2
MKAR			ScP	20 33 57.5 -0.7
MKAR	Makanchi Array	57.33	326 eP	P 20 34 27.7 -0.9
MKAR			pp	20 34 51.6
MAK2	Makanchi	57.52	326 eP	P 20 33 58.4 -1.1
MAK2			ePcP	20 34 51.5 -0.4
MAK2	Makanchi	57.52	326 eP	P 20 33 58.4 -1.1
MAK2			eP	20 34 51.5
MAK2	Kashi	57.68	316 P	P 20 34 01.8 +0.6
KSH			pP	20 34 25.5 -0.8
KSH			sP	20 34 37.4 -0.4
KSH			ePcP	20 34 53.6 +0.7
KSH			ScS	20 41 48.9 -2.8
KSH			SS	20 43 36.3 -4.5
KSH			SS	20 45 43.3 -0.4
KSH	comp=Z,4.0nm,0.9s	pmax	pmax	
YAK	Yakutsk	58.51	2 eP	P 20 34 07.2 +1.1
YAK	comp=Z,120nm,4.4s			
YAK	Yakutsk	58.51	2 eP	P 20 34 06.0 -0.1
YAK	comp=Z,56nm,0.7s	e	e	20 34 53.4
YAK			eS	20 42 03.6 +2.2
YAK			e	20 43 48.6
YAK	comp=Z,29nm,0.9s	pmax	pmax	
YAK	comp=N,10.0nm,1.0s	pmax	pmax	
YAK	comp=E,8.0nm,1.1s	pmax	pmax	
YAK	comp=Z,57nm,3.4s	pmax	pmax	
YAK	comp=N,14nm,2.9s	pmax	pmax	
YAK	comp=E,23nm,2.8s	smax	smax	
YAK	comp=N,45nm,2.5s	smax	smax	
YAK	comp=E,25nm,2.3s	smax	smax	
AAK	Ala-Archa	60.03	318 eP	P 20 34 16.8 -0.4
AAK			ePcP	20 35 02.4 +0.2
AAK	Ala-Archa	60.03	318 eP	P 20 34 16.8 -0.4
AAK			eP	20 35 02.4
ZAAO	Zalesovo Array	60.48	333 eP	P 20 34 18.7 -1.1
ZAAO			ePcP	20 35 02.3 -0.7
ZALV	Zalesovo Beam	60.48	333 P	P 20 34 18.1 -1.7
ZALV	comp=E,1.4nm,0.3s,baz=137,slow=7.5,SNR=8.9	PcP	PcP	20 35 02.5 -1.0
ZALV	comp=E,2.9nm,0.7s,baz=132,slow=2.2,SNR=5.9	LR	LR	21 04 12.0
ZALV	comp=E,26nm,18.7s,baz=321,slow=40	LR	LR	20 34 18.3 -1.5
ZALV	Zalesovo Beam	60.48	333 eP	P 20 35 02.3 -1.2
ZALV			ePcP	20 34 18.3 -1.5
ZALV	Zalesovo Beam	60.48	333 eP	P 20 34 18.1 -1.7
ZAA1	Zalesovo Array	60.48	333 eP	P 20 35 02.5 -1.0
ZAA1			eP	21 04 12.0
ZAA1	Kabul	61.06	308 eP	P 20 34 22.8 -1.6
KBL	Kabul	61.06	308 eP	P 20 34 22.8 -1.6
KBL			pmax	
KURBB	Kurchatov Arra	61.55	328 P	P 20 34 26.1 -0.9
KURBB	comp=Z,5.9nm,0.4s,baz=129,slow=6.3,SNR=19	PcP	PcP	20 35 07.8 -0.1
KURK	Kurchatov	61.55	328 eP	P 20 34 26.1 -1.0
KURK			ePcP	20 35 07.2 -0.7
KURK	Kurchatov	61.55	328 eP	P 20 34 25.8 -1.3
KURK			pmax	
NVS	Novosibirsk	61.76	334 eP	P 20 34 27.7 -0.7
NVS			pmax	20 35 07.8

NVS	comp=N,4.0nm,0.7s	pmax	pmax	
NVS	comp=N,4.0nm,0.8s	pmax	pmax	
LBZ	Lake Benmore	61.90	145 eP	P 20 34 30.1 +0.5
THZ	Tophouse	61.97	142 eP	P 20 34 30.3 +0.2
SEY	Seymchan	62.48	13 P	P 20 34 34.7 +1.6
KHZ	Kahutara	62.73	142 eP	P 20 34 34.7 -0.4
KK31	Karatay Array	62.89	317 eP	P 20 34 35.1 -1.2
KK31	Karatay Array	62.89	317 eP	P 20 34 35.1 -1.2
KKAR	K			

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Main table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for various radio stations.

21d 1h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like YERR, WAKR, MFID, NV01, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like KTM5, DJR, PDGK, etc.

2012 JUL

Main table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like PRZ, KURS, MK01, etc.

1026

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MRKS, DGZ, MNAS, etc.

21d 1h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like EBAD Badajoz, MESJ Messejana, MORF Marlete, etc.

2012 JUL

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like ETOR Torete, PVIS Visu, MVO Moncorvo, etc.

1028

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like GNAM Navarro Ridge, GHHM Hull Mountain, WDC Whiskeytown Da, etc.

IDC 21 01:39:51.727, 0.325N:90.73E, h0km, mb3.8/4, mb1 3.8/5, mb1mx3.4/60, mbmtm3.8/5, ML3.7/1, Error ellipse: s-maj=529.3km s-min=51.2km az=171.0, Off west coast of northern Sumatra.

BULI 21 01:51:58.7, 40.40N:125.50W, h10km, mb5.1/28, mb5.5/23, Ms0.0/11, Ms7.4/711, ISCJB 21 01:52:00.0, 0.5, 40.41N:125.30W:0.02, h1km, 3km, mb0.5/271, MS4.4/129, Error ellipse: s-maj=2.9km s-min=1.7km az=151.9.

NEIC 21 01:52:01.7, 40.40'39N:125.53W, h25km, mb5.0/207, MW5.1(BRK), After NCEDC. NEIC Tel [I] at Arcata, Eureka, McKinleyville and Whithetown. Also left at Bayside, Ferndale, Fort Bragg, Petrolia, Samoa and Salyer.

GMCT 21 01:52:01.7, 40.40'39N:125.45W, h17km, MW5.2/124, Moment Tensor Solution. s76,c106; s124,c236; Duration: 0. Moment tensor: Scale 1016Nm; Mr-1.04E-11; Mw-1.50E-12; Mw2.54E-12; Mw0.68E-30; Mw0.68E-11; Mw0.31E-31; Best double couple: Mb7.22800E+10; NP1: s=278.00000; s88.00000; A-174.00000; NP2: s=188.00000; s84.00000; A-4.00000. Principal axes: T 7.7030, Plg1.0000, Azm53.0000; N -0.9490, Plg83.0000, Azm315.0000; P -6.7540, Plg7.0000.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like KCTM Capetown, KJUM Johnny Jack Ri, KSCM Slide Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CRPB Russelman Par, AFDM Forest Hills D, J04D United Nations, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CLCB Lake Chabot, AASM Arroyo Seco, GSKR Berkeley, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like JYFM Vallejo, CVL Foothills Park, IND Independence, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like KBF Kyburz Flat, K05A Summer Lake, JHUM Huntley Lane, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like HSPM Sheep, VCNR Virginia City, CMB Columbia Colle, etc.

21d 1h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like PMR Palmer, MIAR Mount Ida, W40A Ferguson Farm, etc.

2012 JUL

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like WVT Bloomington, BLO Bloomington, PLAL Pickwick Lake, etc.

1030

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like SCHQ Schefferville, KULLO Kulussuaq, JTS JuntasAbangare, etc.

21d 2h

Table with columns: STATION, Name, Az, El, P, Q, U, V, W, X, Y, Z, and other parameters. Includes stations like CRVS Cervenia-Dubn, AKASG Malin Array Bra, and many others.

2012 JUL

Table with columns: STATION, Name, Az, El, P, Q, U, V, W, X, Y, Z, and other parameters. Includes stations like OHTO Ascension, KAPO Kappang, and many others.

1032

Table with columns: STATION, Name, Az, El, P, Q, U, V, W, X, Y, Z, and other parameters. Includes stations like HAZ Te Kaha, PUKETITI Puketiti, and many others.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like RAYN, BR131, WUAZ, PV22, etc.

NIED 21 03:01:00, 37.70N, 142.00E, h38km, Mw4.8 Best double
MOS 21 03:01:17, 1.1, 0.3, 7.85N, 142.08E, h38km, mb5.1/109,
Error ellipse: s-maj=7.5km s-min=4.9km az=91.2

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BJI, YHNB, MA2, etc.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like GYA, CD2, GTA, DAV, etc.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like PDGK, MLY, SUA, TRF, etc.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like ARU, ARTI, KBL, FITZ, etc.

21d 3h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KBZ Khabaz, KIV Kislovodsk, etc.

2012 JUL

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ISA Isabella, Lake, ISLA Isabella, Lake, etc.

1036

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CRVS Cervenica-Dubn, TRPA Tropa, etc.

CLL	comp-Z,21nm,0.9s	80.69	330	P	P	03 13 27.7	-0.1
CLL	Collin			e'PP	p	03 13 39.0	-1.9
CLL				pmax	pmax		
VRAC	comp-Z,21nm,0.9s	80.76	327	P	P	03 13 28.7	+0.4
VRAC	Vranov	80.76	327	P	P	03 13 28.7	+0.4
VRAC	Vranov	80.76	327	P	P	03 13 28.9	+0.6
RAYN	Ar Rayn	80.82	293	P	P	03 13 28.2	-0.9
RAYN	Ar Rayn	80.82	293	P	P	03 13 28.2	-0.9
B35A	Bob, Littlefor	80.97	34	P	P	03 13 29.2	-0.2
B35A	Bob, Littlefor	80.97	34	P	P	03 13 29.5	+0.2
ISCO	comp-Z,14nm,1.1s	80.99	46	P	P	03 13 31.0	+0.9
ISCO	Idaho Springs	80.99	46	P	P	03 13 31.8	+1.7
ISCO	Idaho Springs	80.99	46	eP	P	03 13 31.8	+1.7
ISCO	Idaho Springs			pmax	pmax		
SMOL	Smolenice	81.00	326	P	P	03 13 30.6	+1.1
SMOL	Smolenice	81.00	326	eP	P	03 13 30.6	+1.1
MVCO	Mesa Verde	81.01	50	P	P	03 13 30.9	+0.8
MVCO	Mesa Verde	81.01	50	eP	P	03 13 31.8	+1.6
KRUC	Moravsky	81.03	327	eP	P	03 13 30.1	+0.4
GOPC	GO Pecny, Ondr	81.06	329	eP	P	03 13 30.5	+0.6
GOPC	GO Pecny, Ondr	81.06	329	eP	P	03 13 30.5	+0.6
GOPC	GO Pecny, Ondr			e	MLR	03 13 43.7	+0.7
GOPC	GO Pecny, Ondr			e	MLR	03 13 30.5	+0.6
GOPC	GO Pecny, Ondr			e	MLR	03 13 43.7	+0.7
PRU	Pruhonice	81.10	329	eP	P	03 13 30.3	+0.3
PRU	Pruhonice	81.10	329	eP	P	03 13 30.3	+0.3
PRU	Pruhonice			e	AMS	03 54 40.0	
PRU	Pruhonice	81.10	329	eP	P	03 13 30.3	+0.3
PRU	Pruhonice			e	MLR	03 13 43.4	
PRU	Pruhonice			e	MLR	03 13 43.4	
MODS	Modra-Piesok	81.17	326	eP	P	03 13 31.3	+0.8
MODS	Modra-Piesok			eP	pmax	03 13 31.3	+0.8
MODS	Modra-Piesok	81.17	326	eP	P	03 13 31.3	+0.8
BZS	Buzias	81.20	322	P	P	03 13 30.0	-0.6
BZS	Buzias	81.20	322	P	P	03 13 30.0	-0.6
ECS	Jirik Farms, M	81.35	35	P	P	03 13 31.3	-0.1
SUSD	Miller	81.36	39	P	P	03 13 32.1	+0.5
ASF	Jabal al Asfar	81.50	304	P	P	03 13 32.8	+0.2
G32A	Webster	81.50	38	P	P	03 13 32.7	+0.4
G32A	Webster	81.50	38	eP	P	03 13 33.1	+0.8
S22A	4UR Ranch, Cre	81.65	48	P	P	03 13 34.7	+1.1
S22A	4UR Ranch, Cre	81.65	48	eP	P	03 13 35.3	+1.7
214A	Organ Pipe Nat	81.66	56	P	P	03 13 34.6	+1.2
MDVR	Moldovita	81.75	322	P	P	03 13 33.5	-0.2
NKC	Novy Kostel	81.78	330	eP	P	03 13 32.5	-1.0
NKC	Novy Kostel	81.78	330	eP	P	03 13 32.5	-1.0
NKC	Novy Kostel			e	MLR	03 13 32.5	-1.0
NKC	Novy Kostel			e	MLR	03 13 32.5	-1.0
D35A	Remer	81.78	35	P	P	03 13 33.3	-0.4
C36A	Pine Crest Far	81.81	34	P	P	03 13 33.9	0.0
MMAI	Mount Meron Ar	81.93	306	P	P	03 13 35.3	+0.5
CSS	Mathiatis	81.99	308	eP	P	03 13 34.4	-0.6
G33A	Ortonville	82.06	37	P	P	03 13 35.6	+0.4
D36A	Goodland	82.11	34	P	P	03 13 35.0	-0.4
C37A	Embarrass	82.12	34	P	P	03 13 35.3	-0.2
CONA	Conrad Observa	82.13	327	iP	P	03 13 36.5	+0.9
KHC	Kasperske Hory	82.17	329	eP	P	03 13 36.0	+0.3
KHC	Kasperske Hory	82.17	329	eP	P	03 13 36.0	+0.3
KHC	Kasperske Hory			e	AMS	03 13 36.0	+0.3
KHC	Kasperske Hory			e	AMS	03 13 36.0	+0.3
KHC	Kasperske Hory			e	AMS	03 13 36.1	+0.3
KHC	Kasperske Hory			e	AMS	03 13 36.1	+0.3
EYMN	Ely	82.25	33	P	P	03 13 35.9	-0.3
GE2C	GERESS Array S	82.34	328	eP	P	03 13 36.6	-0.1
GE2C	GERESS Array S	82.34	328	eP	P	03 13 36.6	-0.1
GE2C	GERESS Array S			e	pmax	03 13 36.6	-0.1
GERES	GERESS Array B	82.34	328	eP	P	03 13 36.6	-0.1
GEA0	GERESS Array S	82.34	328	eP	P	03 13 36.5	-0.3
G34A	Benson	82.40	37	P	P	03 13 36.8	-0.2
SDCO	Great Sand Dun	82.44	48	P	P	03 13 37.9	+0.2
SDCO	Great Sand Dun	82.44	48	eP	P	03 13 39.0	+1.3
D37A	Cotton	82.45	34	P	P	03 13 37.1	-0.2
F35A	Swanville	82.45	36	P	P	03 13 37.0	-0.3
C38A	Sawbill Land.	82.53	33	P	P	03 13 37.5	-0.1
E36A	McGregor	82.56	35	P	P	03 13 37.7	-0.2
VTS	Vitoshia	82.57	319	P	P	03 13 38.4	+0.3
VTS	Vitoshia	82.57	319	eP	P	03 13 38.7	+0.6
VTS	Vitoshia	82.57	319	P	P	03 13 38.4	+0.3
EKA	Eskdalemuir Ar	82.59	341	P	P	03 13 38.3	+0.5
ESK	Eskdalemuir	82.62	341	eP	P	03 13 38.2	+0.3
ESK	Eskdalemuir	82.62	341	eP	P	03 13 38.2	+0.3
ESK	Eskdalemuir			e	pmax	03 13 38.2	+0.3
GRFO	Grafenberg	82.67	330	eP	P	03 13 39.0	+0.7
GRFO	Grafenberg	82.67	330	eP	P	03 13 39.0	+0.7
GRFO	Grafenberg			e	pmax	03 13 39.0	+0.7
TUC	Tucson	82.76	55	P	P	03 13 39.1	-0.1
ARSA	Arzberg	82.79	328	iP	P	03 13 39.4	+0.4
G05A	Molin	82.87	326	P	P	03 13 39.7	+0.3
G35A	Watkins	82.97	36	eP	P	03 13 39.7	-0.2
G35A	Watkins	82.97	36	eP	P	03 13 41.0	+1.0
ECSD	EROS Data Cent	83.04	39	P	P	03 13 40.6	+0.2
ECSD	EROS Data Cent	83.04	39	eP	P	03 13 40.6	+0.2
DIVS	Divivare	83.10	322	eP	P	03 13 40.6	-0.1
H35A	Sunnyside Ranc	83.19	37	P	P	03 13 41.6	+0.5
E38A	The Farm, Brul	83.26	34	P	P	03 13 41.2	-0.2
E38A	The Farm, Brul	83.26	34	eP	P	03 13 41.0	-0.1
GROS	Grobnik	83.41	326	eP	P	03 13 42.0	-0.3
SRS	Serrai	83.42	318	P	P	03 13 43.6	+1.2
SOKA	Soboth	83.45	326	iP	P	03 13 42.7	+0.2
T25A	Trinidad	83.48	47	P	P	03 13 43.9	+0.8

T25A	Trinidad	83.48	47	eP	P	03 13 44.7	+1.6
F38A	Pierce - Schro	83.61	35	P	P	03 13 43.7	+0.5
GOLS	Gollis	83.70	326	iP	P	03 13 43.5	-0.2
H36A	Jessenland, He	83.71	37	P	P	03 13 43.4	+0.5
TASM	ASL Pad, Albuq	83.74	50	P	P	03 13 45.2	+0.8
ANMO	Albuquerque	83.74	50	P	P	03 13 45.9	+1.5
ANMO	Albuquerque	83.74	50	P	P	03 13 45.1	+0.8
ANMO	Albuquerque	83.74	50	eP	P	03 13 46.1	+1.7
ANMO	Albuquerque	83.74	50	eP	P	03 13 46.1	+1.7
ANMO	Albuquerque			pmax	pmax	03 13 46.1	+1.7
TASL	Snake Pit, Alb	83.74	50	P	P	03 13 45.2	+0.8
SPMN	Marine on St.	83.75	36	P	P	03 13 44.3	+0.4
SPMN	Marine on St.	83.75	36	eP	P	03 13 44.5	+0.5
OBKA	Obir	83.79	327	iP	P	03 13 44.3	0.0
E39A	Mellen	83.87	34	P	P	03 13 44.5	-0.1
BLY	Banja Luka	83.95	324	P	P	03 13 44.9	-0.1
PLE	Piljevija	83.96	322	P	P	03 13 46.3	+1.1
F39A	Loretta	84.07	34	P	P	03 13 45.9	+0.3
I36A	Fitzsimmons Fa	84.09	37	P	P	03 13 46.2	+0.5
MYKA	Terra Mystica	84.09	327	iP	P	03 13 45.4	-0.3
E40A	Waketid	84.11	33	P	P	03 13 46.5	+0.7
LJU	Ljubljana	84.16	326	iP	P	03 13 46.1	0.0
H37A	Dierke Farm, C	84.18	36	P	P	03 13 46.8	+0.6
G38A	Ridiland	84.22	35	P	P	03 13 46.3	-0.1
EIL	Eilat	84.38	303	LR	LR	03 54 31.7	
I37A	Lemond, Waseca	84.38	37	P	P	03 13 48.0	+0.7
I37A	Lemond, Waseca	84.38	37	eP	P	03 13 48.2	+1.0
F40A	Park Falls	84.42	34	P	P	03 13 47.3	-0.1
WTTA	Wattenberg	84.44	329	iP	P	03 13 48.4	+0.8
G39A	Holcombe	84.44	35	P	P	03 13 47.4	-0.1
J36A	Seneca 1, Swea	84.45	38	P	P	03 13 47.9	+0.3
J36A	Seneca 1, Swea	84.45	38	eP	P	03 13 48.2	+0.6
ABTA	Abtaltersbach	84.48	328	iP	P	03 13 47.3	-0.5
E41A	Kenton	84.49	33	P	P	03 13 48.2	+0.4
SCHO	Schefferville	84.49	16	P	P	03 13 47.9	+0.3
121A	Cookes Peak, D	84.53	53	P	P	03 13 49.1	+0.7
REG	Reutte	84.62	329	iP	P	03 13 48.7	+0.3
PDG	Podgorica	84.69	321	P	P	03 13 48.3	-0.5
TTG	Podgorica	84.69	321	eP	P	03 13 48.0	-0.7
TTG	Podgorica	84.69	321	eP	P	03 13 48.0	-0.7
TTG	Podgorica			e	pmax	03 13 48.0	-0.7
COWI	Conover	84.71	33	eP	P	03 13 49.2	+0.4
GIVF	Givf	84.71	334	eP	P	03 13 47.9	-0.8
FNA	Florida	84.83	319	eP	P	03 13 49.2	-0.4
FNA	Florida	84.83	319	eP	P	03 13 49.2	-0.4
FNA	Florida			e	pmax	03 13 49.2	-0.4
J37A	Redenius Farm,	84.84	37	P	P	03 13 50.0	+0.4
H39A	Augusta	84.86	35	P	P	03 13 49.9	+0.3
I38A	Scanan Farm,	84.87	36	P	P	03 13 49.5	-0.2
G40A	Rib Lake	84.89	34	P	P	03 13 50.0	+0.3
G40A	Rib Lake	84.89	34	eP	P	03 13 50.1	+0.3
BFO	Black Forest	84.89	331	eP	P	03 13 49.6	-0.1
K36A	Black Forest	84.89	331	iP	P	03 13 49.8	+0.1
B36A	Glimore City	84.91	38	P	P	03 13 50.6	+0.6
BAIF	Baives	84.95	334	eP	P	03 13 49.2	-0.7
BAIF	Baives			e	pmax	03 13 49.2	-0.7
E42A	Champion	84.97	32	P	P	03 13 50.4	+0.3
F41A	Three Lakes	85.00	33	P	P	03 13 50.7	+0.4
F41A	Three Lakes	85.00	33	eP	P	03 13 50.9	+0.5
FETA	Feichten	85.00	329	iP	P	03 13 50.5	0.0
DAVA	Damuels	85.13	330	iP	P	03 13 51.2	0.0
L36A	Harm Buss Farm	85.21	39	P	P	03 13 51.8	+0.4
K37A	Belmond	85.21	38	P	P	03 13 51.6	+0.2
DSB	Dublin	85.30	342	eP	P	03 13 51.8	+0.2
H40A	Chili	85.31	35	P	P	03 13 51.6	-0.3
J38A	West Dairy, R	85.35	37	P	P	03 13 51.8	-0.3
I39A	Houston	85.38	36	P	P	03 13 52.1	-0.1
E43A	Lon Tree Farm	85.39	32	P	P	03 13 52.0	-0.2
ECH	Echery	85.43	332	eP	P	03 13 52.2	-0.2
ECH	Echery	85.43	332	eP	P	03 13 52.2	-0.2
ECH	Echery			e	pmax	03 13 52.2	-0.2
DAVOX	Davos/Dischmat	85.54	329	P	P	03 13 53.3	+0.1
M36A	Felix, Anita	85.62	39	P	P	03 13 54.0	+0.5
L37A	Phoenix Point,	85.64	38	P	P	03 13 53.6	+0.1
H41A	Junction City						

Table with columns: ID, Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like Leonard, Winchester, Middles Astro, etc.

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

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

GRRZ		P	Pn	04 54 54.8 +1.3	QRZ	Quartz Range	6.39 240	P	Pn	04 55 38.4 -2.0	STKA	comp-Z,30nm,1.0s		pmax	pmax	
KAHZ	Kahuranaki	3.02 229	Pn	04 54 54.1 +0.1	CTH	Chatham Island	6.48 157	P	Pn	04 55 40.3 -1.2	STKA	comp-Z,30nm,1.0s		MLR	MLR	
KAHZ	Kahuranaki	3.02 229	Pn	04 54 54.2 +0.1	TZ	Tophouse	6.61 232	ePn	Pn	04 55 41.5 -2.0	QLP	comp-Z,2um,19.0s	31.96 280	P	P	05 00 32.3 +0.3
KMRZ	Kaimai	3.07 269	P	04 54 55.9 +0.0	THZ	Tophouse	6.61 232	P	Pn	04 55 41.1 -2.4	HTT	Hallett	33.34 265	P	P	05 00 45.4 +1.3
KWHz	Kaweka Forest	3.10 238	P	04 54 55.7 +0.5	KHZ	Kahutara	6.64 225	ePn	Pn	04 55 41.5 -2.2	HNR	Honiara	33.48 323	P	P	05 00 43.8 -1.5
HATZ	Hinemaia	3.15 249	P	04 54 56.2 +0.8	MOZ	McQueen's Vall	7.99 221	ePn	Pn	04 55 40.2 -3.5	HNR	comp-Z,456nm,0.8s,baz=214,slow=4.1,SNR=12		S	S	05 05 03.0 -3.0
HATZ	Hinemaia	3.12 249	P	04 54 56.2 +0.8	I36NZ	CHATHAM INFRAS	6.68 156	Pn	Pn	04 55 46.4 +2.0	HNR	comp-Z,81nm,0.5s,baz=40,slow=15,SNR=5.1		LR	LR	05 11 59.5
WHTZ	Whakaora	3.15 254	P	04 54 58.8 +2.8												
PXZ	Pawani	3.18 226	Pn	04 54 55.4 -0.9	136NZ	Denniston Nort	7.30 235	P	Sn	04 56 53.1 -6.7	HNR	comp-Z,2.4um,21.0s,baz=156,slow=32		P	P	05 00 41.0 -4.3
KUTZ	Kaahu Road	3.22 257	Pn	04 54 57.7 +0.0	DSZ	Denniston Nort	7.30 235	P	Pn	04 56 50.9 -2.0	HNR	comp-Z,544nm,0.9s		S	S	05 05 03.0 -3.0
KUTZ	Kaahu Road	3.22 257	Pn	04 54 57.7 +0.0	LTZ	Lake Taylor	7.59 227	ePn	Pn	04 55 54.8 -2.1	HNR	comp-Z,2.4um,21.0s,baz=156,slow=32		LR	LR	05 11 59.5
KRHZ	Kereru	3.25 235	P	04 54 57.3 +0.1	LTZ	Lake Taylor	7.59 227	ePn	Pn	04 55 53.7 -3.2	HNR	comp-Z,2.4um,21.0s,baz=156,slow=32		P	P	05 00 41.0 -4.3
RITZ	Rihia Road	3.32 249	Pn	04 54 59.6 +1.4	OKCZ	Okains Bay	7.80 219	P	Pn	04 55 56.5 -3.3	HNR	comp-Z,544nm,0.9s		S	S	05 05 03.0 -3.0
RITZ	Rihia Road	3.32 249	Pn	04 54 59.6 +1.4	EYCCZ	Eyrewell	7.96 223	P	Pn	04 55 59.2 -2.7	HNR	comp-Z,2.4um,21.0s,baz=156,slow=32		P	P	05 00 43.8 -1.5
RITZ	Rihia Road	3.32 249	Pn	04 54 59.6 +1.4	AKCZ	Akaroa Harbour	7.96 219	P	Pn	04 55 59.6 -2.6	HNR	comp-Z,544nm,0.9s		S	S	05 05 03.0 -3.0
WATZ	Wairara	3.33 254	P	04 54 59.2 +0.8	MOZ	McQueen's Vall	7.99 221	ePn	Pn	04 55 58.8 -2.6	PAE	Paea	33.49 62	eP	P	05 00 45.7 +0.3
WATZ	Wairara	3.33 254	P	04 55 00.5 +2.1	INZ	Inchbonnie	8.05 230	P	Pn	04 55 59.7 -3.4	PAE	Paea	33.49 62	eT	T	05 34 11.1
RATZ	Rangitukua	3.35 251	Pn	04 54 59.7 +1.1	OXZ	Oxford	8.07 225	ePn	Pn	04 56 01.1 -2.3	PPT2	Papeete2	33.54 61	eP	P	05 00 45.6 -0.3
RATZ	Rangitukua	3.35 251	Pn	04 54 60.0 +1.4	OXZ	Oxford	8.07 225	ePn	Pn	04 56 08.5 -4.6	PPT2	comp-Z,476nm,1.3s		eLQ	LQ	05 07 48.7
BHHZ	Black Hill Sta	3.37 240	Pn	04 54 59.5 +0.6	OXZ	Oxford	8.07 225	ePn	Pn	04 56 11.1 -3.3	PPT2	comp-Z,4um,25.2s		eLR	LR	05 09 24.5
BHHZ	Black Hill Sta	3.37 240	Pn	04 54 59.5 +0.6	WVZ	Waikana Valley	8.65 220	P	Pn	04 56 11.1 -3.3	PPT2	comp-Z,1.1um,25.8s,baz=231		eLR	LR	05 09 24.5
TLZ	Tolley Road	3.42 260	P	04 54 60.0 +0.4	RAO	Royal Island	8.77 113	Pn	Pn	04 56 11.1 -3.3	PPT2	comp-Z,2.1um,25.8s,baz=231		eLR	LR	05 09 24.5
TLZ	Tolley Road	3.42 260	P	04 55 00.1 +0.5	RAO	41nm,0.3s,baz=217,slow=24,SNR=3.2		Sn	Sn	04 56 11.1 -3.3	PPT2	comp-Z,1.9nm,0.3s		P	P	05 00 45.5 -0.5
KATZ	Kakaramea	3.44 249	ePn	04 55 00.5 +0.6	RAO	189nm,0.3s,baz=329,slow=24,SNR=7.2		Sn	Sn	04 56 12.3 -2.0	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
KATZ	Kakaramea	3.44 249	ePn	04 55 01.3 +1.4	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
KATZ	Kakaramea	3.44 249	ePn	04 55 01.3 +1.4	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
WPHZ	Waipukurau	3.45 229	Pn	04 54 59.5 -0.5	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
WPHZ	Waipukurau	3.45 229	Pn	04 54 59.7 -0.3	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
KUZ	Kuatoitu	3.45 287	Pn	04 54 59.8 +0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
KUZ	Kuatoitu	3.45 287	Pn	04 54 59.8 +0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PRHZ	Porangahau	3.47 225	Pn	04 54 59.1 -1.1	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PRHZ	Porangahau	3.47 225	Pn	04 54 59.2 -1.1	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PRHZ	Porangahau	3.47 225	Pn	04 54 59.2 -1.1	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s		LR	LR	05 00 45.5 -0.5
PNHZ	Pukenui	3.50 233	Pn	04 55 00.6 -0.2	RPZ	Rata Peaks	8.87 226	ePn	Sn	04 56 11.2 -3.2	PPT2	comp-Z,2.6um,18.0s</				

Table with columns: KUR, Name, Time, Az, El, Status, and other parameters. Includes entries like GO03 Copiap, KRAB Krabi, SSE Sheshan, etc.

Table with columns: Name, Time, Az, El, Status, and other parameters. Includes entries like SWSC Sam W. Stewart, PB01 IPOC Station P, EDW2 Edwards Air Fo, etc.

Table with columns: Name, Time, Az, El, Status, and other parameters. Includes entries like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Paynes Creek, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes entries like M49A Liberty Creek, AC50 Alum Creek Sta, N50A Nevada, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes entries like BBSR BB Station, BRZS Berezinski, WVW Waterville, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes entries like ELZG Elazig, ELZG Elazig, ELZG Sochi, etc.

Z48A	Northport	19.70	15	P	Pn	06 05 03.6	-0.1
Y45A	Yeager Farm, C	19.76	10	P	Pn	06 05 04.2	-0.2
Z49A	Columbiana	19.81	18	P	Pn	06 05 04.8	-0.2
YOTC	Yotoco, Valle	19.83	120	eP	Pn	06 05 05.7	+0.2
Z54A	Abbeville	19.86	26	P	Pn	06 05 04.7	-0.9
356A	Blackshear	19.87	30	P	P	06 05 04.7	+0.8
Y46A	Houston	19.90	11	P	Pn	06 05 05.7	-0.4
152A	Waverly Hall	19.92	22	P	P	06 05 05.4	+0.8
152A	Waverly Hall	19.92	22	eP	Pn	06 05 06.9	+0.5
Z50A	Ashland	20.05	19	eP	Pn	06 05 07.3	-0.6
Z50A	Ashland	20.05	19	eP	Pn	06 05 07.6	-0.3
X40A	Basin Creek Fa	20.06	2	P	Pn	06 05 07.8	-0.1
X39A	Fountain Ranch	20.08	359	P	Pn	06 05 07.5	-0.7
MIAR	Mount Ida	20.10	360	P	P	06 05 06.6	+0.1
MIAR	Mount Ida	20.10	360	eP	P	06 05 07.0	+0.5
Y47A	UCPARC, Winfie	20.13	14	P	Pn	06 05 07.9	-1.0
X42A	Stuttgart	20.18	5	P	Pn	06 05 09.3	-0.1
255A	Hazlehurst	20.20	28	P	Pn	06 05 11.6	+2.0
Z55A	Hazlehurst	20.20	28	eP	Pn	06 05 09.2	-0.5
RREF	El Recreo	20.22	116	eP	Pn	06 05 17.9	+7.2
X43A	Marvell	20.22	6	P	Pn	06 05 11.2	+1.4
X43A	Marvell	20.22	6	eP	Pn	06 05 10.9	+1.1
PTBC	PUERTO BERRIO,	20.29	111	eP	P	06 05 08.4	+0.3
Y48A	Jasper	20.31	15	P	Pn	06 05 10.1	-0.8
Z51A	Franklin	20.35	20	P	Pn	06 05 10.3	-1.1
UALR	University of	20.36	3	eP	Pn	06 05 11.0	-0.5
POPC	Popayan, Colom	20.36	124	eP	P	06 05 10.3	+0.6
MNTX	Cornudas Mount	20.39	330	eP	Pn	06 05 12.2	+0.2
MNTX	Cornudas Mount	20.39	330	eP	Pn	06 05 11.6	-0.3
OXF	Oxford	20.41	10	P	Pn	06 05 11.3	-0.8
Y49A	Blount Mountai	20.46	17	P	Pn	06 05 10.7	+0.3
OTAV	Otavalo	20.48	132	eP	Pn	06 05 14.2	+0.8
OTAV	Otavalo	20.48	132	eP	Pn	06 05 13.3	-0.2
Z52A	Williamson	20.50	22	P	P	06 05 11.8	+1.0
154A	Montrose	20.51	26	P	P	06 05 11.4	+0.5
154A	Montrose	20.51	26	eP	P	06 05 10.7	-0.2
X46A	Doonville	20.61	12	P	P	06 05 12.9	+1.0
Y50A	Piedmont	20.69	19	P	P	06 05 13.8	+0.9
PCON	Cinco Dias	20.71	124	eP	P	06 05 15.2	+1.3
OCAC	Ocana	20.72	105	eP	P	06 05 11.0	-2.6
X47A	Russellville	20.72	13	P	P	06 05 14.2	+1.0
W40A	Ferguson Farm,	20.75	1	P	Pn	06 05 15.4	-0.6
W40A	Ferguson Farm,	20.75	1	eP	Pn	06 05 16.1	0.0
W39A	Magazine	20.75	359	P	Pn	06 05 15.1	-1.0
W39A	Magazine	20.75	359	eP	Pn	06 05 17.1	+1.1
W41B	Gary Mavity, V	20.76	3	P	Pn	06 05 15.4	-0.8
W41B	Gary Mavity, V	20.76	3	eP	Pn	06 05 15.3	-0.9
155A	Kite	20.80	27	P	P	06 05 14.8	+0.8
WMOK	Wichita Mounta	20.84	348	P	P	06 05 15.5	+0.9
WMOK	Wichita Mounta	20.84	348	eP	P	06 05 15.2	+0.7
X48A	Hartselle	20.85	15	P	P	06 05 15.3	+0.6
X48A	Hartselle	20.85	15	eP	Pn	06 05 17.8	+0.6
WHAR	Woolly Hollow	20.88	3	eP	P	06 05 16.1	+1.2
Z53A	Monticello	20.90	24	P	P	06 05 16.0	+0.8
Y51A	Rockmart	20.92	20	P	P	06 05 16.3	+1.0
GOGA	Godfrey	21.06	24	P	P	06 05 17.7	+0.8
GOGA	Godfrey	21.06	24	eP	P	06 05 18.2	+1.4
W45A	Hickory Valley	21.08	10	P	P	06 05 21.5	+4.4
X49A	Woodville	21.10	17	P	P	06 05 18.4	+1.0
PLAL	Pickwick Lake	21.12	13	eP	P	06 05 17.4	-0.1
ROSC	El Rosal	21.15	115	P	P	06 05 20.2	+1.8
ROSC	El Rosal	21.15	115	eP	P	06 05 20.9	+2.4
ROSC	El Rosal	21.15	115	eP	P	06 05 21.5	+3.0
Z54A	Sparta	21.16	26	P	P	06 05 18.9	+0.9
W46A	Michie	21.20	12	P	P	06 05 19.0	+0.6
Y52A	Liburn	21.23	22	P	P	06 05 19.7	+0.9
Y52A	Liburn	21.23	22	eP	P	06 05 20.6	+1.8
X50B	Fort Payne	21.25	18	P	P	06 05 19.8	+0.8
MSTX	Muleshoe	21.25	338	P	P	06 05 20.4	+1.4
MSTX	Muleshoe	21.25	338	eP	P	06 05 19.7	+0.7
HBAR	Harrisburg	21.27	6	eP	P	06 05 20.8	+1.7
V40A	Witts Springs	21.37	2	P	P	06 05 21.2	+1.0
V40A	Witts Springs	21.37	2	eP	P	06 05 21.8	+1.6
V41A	Mountainview	21.38	3	P	P	06 05 21.8	+1.5
X39A	Pettigrew	21.39	360	P	P	06 05 21.7	+1.1
Y53A	Monroe	21.41	23	P	P	06 05 21.7	+1.1
BARC	Barichara	21.43	109	eP	P	06 05 25.7	+4.4
Y42A	Cord	21.45	5	P	P	06 05 21.7	+0.7
Z55A	Blythe	21.45	27	P	P	06 05 22.1	+1.1
W47A	Westpoint	21.48	13	P	P	06 05 21.9	+0.5
V43A	Jonesboro	21.51	7	P	P	06 05 22.8	+1.1
W48A	Pulaski	21.53	15	P	P	06 05 23.0	+1.0
TUL1	Leonard	21.56	355	P	P	06 05 23.2	+1.0
TUL1	Leonard	21.56	355	eP	P	06 05 24.0	+1.8
X51A	Calhoun	21.59	20	P	P	06 05 23.9	+1.3
X51A	Calhoun	21.59	20	eP	P	06 05 23.9	+1.3
W49A	Belvidere	21.69	16	P	P	06 05 24.1	+0.5
AMTX	Amarillo	21.72	342	P	P	06 05 25.4	+1.2

AMTX	Amarillo	21.72	342	eP	P	06 05 24.8	+0.7
CHIC	Chingaza	21.76	114	eP	P	06 05 26.7	+1.7
Y54A	Signal	21.77	25	P	P	06 05 29.4	+4.9
RUSC	La Rusia	21.79	111	eP	P	06 05 26.0	+0.5
RUSC	La Rusia	21.79	111	eP	P	06 05 25.1	-0.4
HHAR	Hobbs	21.84	359	eP	P	06 05 25.4	+1.1
V46A	Holladay	21.90	12	P	P	06 05 25.7	-0.2
U40A	Yellville	21.92	1	P	P	06 05 26.2	+0.1
U39A	Green Forest	21.94	0	P	P	06 05 27.2	+0.8
U41A	Viola	21.95	3	P	P	06 05 27.4	+1.0
X52A	Dahonega	21.96	22	P	P	06 05 27.4	+0.8
U42A	Reviden	22.00	5	P	P	06 05 27.2	+0.2
W50A	Signal Mountai	22.04	18	P	P	06 05 28.0	+0.6
VILC	Villavicencio,	22.04	116	eP	P	06 05 27.0	-0.8
V47A	Nunnely	22.05	13	P	P	06 05 27.7	+0.2
X53A	Estaliolee	22.09	23	P	P	06 05 29.6	+1.7
U43A	Rector	22.10	7	P	P	06 05 29.6	+1.5
V48A	Smith Brothers	22.13	15	P	P	06 05 29.3	+0.9
V48A	Smith Brothers	22.13	15	eP	P	06 05 28.4	0.0
GLAT	Glass	22.15	9	eP	P	06 05 30.1	+1.5
U44B	Burton Farm, H	22.21	9	P	P	06 05 29.9	+0.7
SJAC	San Juan de Ar	22.23	118	eP	P	06 05 34.2	+4.4
NHSC	New Hope	22.27	31	P	P	06 05 30.5	+0.6
NHSC	New Hope	22.27	31	eP	P	06 05 31.4	+1.6
WVT	Waverly	22.28	12	P	P	06 05 30.6	+0.7
WVT	Waverly	22.28	12	eP	P	06 05 29.1	-0.8
121A	Cookes Peak, D	22.28	327	P	P	06 05 33.5	+3.2
UTMT	University of	22.29	10	eP	P	06 05 29.9	-0.1
U45A	Rockin P Farm,	22.31	10	P	P	06 05 30.9	+0.6
U44A	Portageville	22.32	8	P	P	06 05 31.8	+1.3
W52A	Murphy	22.39	21	P	P	06 05 32.5	+1.3
V49A	McMinnville	22.39	16	P	P	06 05 32.0	+0.8
U46A	Springville	22.43	11	P	P	06 05 32.3	+0.7
PBMO	Poplar Bluff	22.50	7	eP	P	06 05 32.1	-0.3
V50A	Pikeville	22.54	18	P	P	06 05 33.5	+0.8
T39A	Clever	22.58	0	P	P	06 05 34.3	+1.1
T38A	Diamond	22.60	358	P	P	06 05 34.4	+1.0
T41A	Mountain View	22.65	4	P	P	06 05 34.6	+0.7
T42A	Van Buren	22.69	5	P	P	06 05 35.2	+0.9
T42A	Van Buren	22.69	5	eP	P	06 05 33.7	-0.6
U47A	Clarksville	22.69	13	P	P	06 05 34.9	+0.6
T40A	Mansfield	22.72	2	P	P	06 05 36.0	+1.3
W53A	Cullowhee	22.73	22	eP	P	06 05 35.7	+0.7
TAMC	Tame, Arauca	22.77	108	eP	P	06 05 32.9	-2.5
T43A	Greenville	22.82	7	P	P	06 05 35.8	+0.1
V51A	Loudon	22.89	19	P	P	06 05 36.1	-0.4
V51A	Loudon	22.89	19	eP	P	06 05 39.8	+3.3
T44A	Benton	22.91	8	P	P	06 05 36.5	-0.2
U48A	Cassie Pea, Po	22.93	15	P	P	06 05 36.6	-0.3
T45A	Paducah	22.99	10	P	P	06 05 37.4	0.0
Y22E	IRIS PASSCAL I	23.08	331	P	P	06 05 40.7	+2.1
Y22E	IRIS PASSCAL I	23.08	331	P	P	06 05 40.4	+1.9
U49A	Red Boiling Sp	23.13	16	P	P	06 05 39.0	+0.1
T46A	Princeton	23.15	12	P	P	06 05 39.3	+0.3
S40A	Lebanon	23.17	2	P	P	06 05 39.2	-0.1
V52A	Sevierville	23.18	21	P	P	06 05 39.8	+0.4
S38A	Stockton	23.18	359	P	P	06 05 39.5	0.0
S41A	Jillico Farms,	23.19	4	P	P	06 05 39.2	-0.3
S39A	Bolivar	23.24	0	P	P	06 05 39.5	-0.6
S39A	Bolivar	23.24	0	eP	P	06 05 40.2	+0.1
T47A	Sharon Grove	23.26	13	P	P	06 05 39.4	-0.8
T47A	Sharon Grove	23.26	13	eP	P	06 05 39.6	-0.

IRO	Indian Ridge	4.21	30	ePn	Pn	06 05 27.9 +0.0	CTU	Camp Tracy	10.22	84	ePn	Pn	06 06 50.6 +0.1	comp=Z,12nm,0.9s	ABTX	Abilene, Hawle	21.89	103	eP	P	06 09 17.1 +0.5
TCCU	Trout Butte	4.27	25	ePn	Pb	06 05 35.5 -3.5	KNB	Kanab	10.23	105	ePn	Pn	06 06 57.4 +6.9	comp=Z,39nm,1.1s	KSU1	Kansas State U	21.96	84	eP	P	06 09 17.8 +0.5
CMMP	Mike's Peak	4.27	134	ePn	Pn	06 05 29.7 +1.0	KNB	Kanab	10.23	105	ePn	Pn	06 06 57.4 +6.9	comp=Z,39nm,1.1s	AGMN	Agassiz Station	22.30	59	eP	P	06 09 20.2 -0.6
VCNB	Copperopolis B	4.29	123	ePn	Pn	06 05 28.7 -0.1	MSU	Marysville	10.23	96	ePn	Pn	06 06 51.0 +0.4	comp=Z,61nm,0.9s	ULM	Lac du Bonnet	22.70	54	eP	P	06 09 24.6 -0.5
VICN	Virginia City	4.32	103	ePn	Pn	06 05 31.6 +1.1	MSU	Marysville	10.23	96	ePn	Pn	06 06 51.0 +0.4	comp=Z,61nm,0.9s	ULM	Lac du Bonnet	22.70	54	eP	P	06 09 24.4 -0.7
GIS	Gilroy Hot Spr	4.35	120	ePn	Pn	06 05 30.8 +0.3	HWUT	Hardware Ranch	10.36	79	ePn	Pn	06 06 54.8 +2.5	comp=Z,92nm,0.9s	ULM	Lac du Bonnet	22.70	54	eP	P	06 09 24.4 -0.7
CMB	Columbia Colle	4.40	121	ePn	Pn	06 05 30.8 +0.3	MSO	Missoula	10.37	48	ePn	Pn	06 06 53.5 +1.1	comp=Z,92nm,0.9s	ULM	Lac du Bonnet	22.70	54	eP	P	06 09 24.4 -0.7
COR	Corvallis	4.41	18	ePn	Pn	06 05 30.0 -0.5	PKCU	Pink Cliffs	10.45	102	ePn	Pn	06 06 57.4 +6.9	comp=Z,92nm,0.9s	ULM	Lac du Bonnet	22.70	54	eP	P	06 09 24.4 -0.7
COR	Corvallis	4.41	18	eS	Sn	06 05 30.0 -0.5	LLBL	Lillooet	10.47	12	ePn	Pn	06 06 53.4 -0.3	comp=Z,92nm,0.9s	ULM	Lac du Bonnet	22.70	54	eP	P	06 09 24.4 -0.7
CCR	Corvallis	4.41	18	ePn	Pn	06 05 30.0 -0.5	DLMT	Dillon	10.48	58	ePn	Pn	06 06 54.7 +0.9	comp=Z,92nm,0.9s	ULM	Lac du Bonnet	22.70	54	eP	P	06 09 24.4 -0.7
WIFE	Three Sisters-	4.43	33	ePn	Pn	06 05 31.6 +0.6	LRM	Limekiln Ridge	10.76	56	ePn	Pn	06 06 58.5 +0.7	comp=Z,92nm,0.9s	JCT	Junction City	22.85	108	eP	P	06 09 27.5 +0.6
MOON	Mountain	4.48	34	ePn	Pn	06 05 32.7 +1.2	Y12C	Blythe	10.78	125	ePn	Pn	06 06 58.1 +0.2	comp=Z,34nm,1.1s	JCT	Junction City	22.85	108	eP	P	06 09 27.5 +0.6
PNTR	Pine Nut	4.49	105	ePn	Pn	06 05 33.2 +1.3	TMUT	Trail Mountain	10.80	91	ePn	Pn	06 06 52.5 +4.1	comp=Z,34nm,1.1s	JCT	Junction City	22.85	108	eP	P	06 09 27.5 +0.6
PRLK	Prince Lake	4.49	31	ePn	Pn	06 05 31.7 -0.1	FKWY	Fox Creek	11.01	68	ePn	Pn	06 07 02.7 +1.4	comp=Z,34nm,1.1s	JCT	Junction City	22.85	108	eP	P	06 09 27.5 +0.6
PAHR	Pail Pan Range	4.50	97	ePn	Pn	06 05 35.6 +0.2	TPAW	Trail	11.02	96	ePn	Pn	06 07 02.2 +0.5	comp=Z,34nm,1.1s	JCT	Junction City	22.85	108	eP	P	06 09 27.5 +0.6
HSR	San Luis Dam	4.60	135	ePn	Pn	06 05 33.0 -0.1	OLMT	Earthquake Lak	11.05	62	ePn	Pn	06 07 03.9 +2.0	comp=Z,34nm,1.1s	JCT	Junction City	22.85	108	eP	P	06 09 27.5 +0.6
PINE	Pine Mountain	4.63	41	ePn	Pn	06 05 34.4 +0.7	GLA	Glamis	11.07	128	ePn	Pn	06 07 01.9 0.0	comp=Z,134nm,1.8s	G35A	Watkins	22.95	68	eP	P	06 09 26.8 -0.9
SAO	San Andreas Ge	4.66	140	ePn	Pn	06 05 31.8 -2.1	GLA	Glamis	11.07	128	ePn	Pn	06 07 01.9 0.0	comp=Z,134nm,1.8s	YKA	Yellowknife Ar	23.03	13	LR	LR	06 18 09.1
SAO	San Andreas Ge	4.66	140	eP	Pn	06 05 31.8 -2.1	P17A	Butcher Ranch,	11.12	90	ePn	Pn	06 07 04.2 +1.4	comp=Z,50nm,1.9s,baz=260,slow=36	J36A	Seneca I, Swea	23.09	73	eP	P	06 09 27.2 -1.9
BSRM	Salinas Radio	4.70	141	ePn	Pn	06 05 32.7 -1.8	PI5A	Indian Meadow	11.13	67	ePn	Pn	06 07 05.6 +2.6	comp=Z,91nm,0.9s	YK3W	Yellowknife Ar	23.09	13	eP	P	06 09 28.6 -0.4
VERR	Verintuit, O	4.73	105	ePn	Pn	06 05 35.9 +0.6	YHB	Horse Butte	11.19	63	ePn	Pn	06 07 04.5 +0.9	comp=Z,23nm,0.3s	RAGM	Raged Mountai	23.39	335	eP	P	06 09 32.5 +0.4
H04A	H04A	4.82	26	ePn	Sn	06 06 30.7 -1.0	BOZ	Bozeman (W)	11.19	58	ePn	Pn	06 07 03.3 -0.4	comp=Z,25nm,1.0s	N37A	Lee Faris, Mou	23.47	79	eP	P	06 09 32.7 -0.3
WAKR	Walker	4.83	111	ePn	Pn	06 05 37.7 +1.3	BOZ	Bozeman (W)	11.19	58	ePn	Pn	06 07 03.3 -0.4	comp=Z,35nm,1.0s	TUL1	Luna	23.48	92	eP	P	06 09 33.3 +0.1
JHC	Johnson Canyon	4.86	141	ePn	Pn	06 05 34.1 -2.5	LOHW	Long Hollow	11.31	69	ePn	Pn	06 07 06.2 +0.9	comp=Z,36nm,1.3s	B35A	Bob, Littlefor	23.72	60	eP	P	06 09 35.7 +0.3
JHC	Johnson Canyon	4.86	141	eP	Pn	06 05 34.2 -2.5	WMR	Madison River	11.32	63	ePn	Pn	06 07 06.0 +0.9	comp=Z,87nm,1.1s	I37A	Lemond, Waseca	23.73	71	eP	P	06 09 35.0 -0.6
I05D	Jerry's P	4.86	35	P	Pn	06 05 36.7 0.0	WYP	Wild Horse Pta	11.34	62	ePn	Pn	06 07 02.6 +2.6	comp=Z,87nm,1.1s	BMRM	Bremner River	23.82	336	eP	P	06 09 36.7 +0.4
BVL	Bear Valley	4.93	139	ePn	Pn	06 05 36.4 -1.3	FLWY	Flagg Ranch	11.34	66	ePn	Pn	06 07 08.6 +2.8	comp=Z,40nm,0.9s	WHTX	Lake Whitney	23.82	102	eP	P	06 09 37.7 +1.2
BAVM	Antelope Valle	4.96	138	ePn	Pn	06 05 36.9 -1.2	YFU	Old Faithful	11.35	64	ePn	Pn	06 07 09.4 +3.5	comp=Z,40nm,0.9s	D36A	Goodland	23.96	63	eP	P	06 09 38.2 +0.4
BCWM	Chews Ridge	4.97	144	ePn	Pn	06 05 36.1 -2.3	SRT	San Rafael Swe	11.35	92	ePn	Pn	06 07 09.5 +3.6	comp=Z,112nm,1.5s	SCIA	Stargazer	24.04	76	eP	P	06 09 40.4 +1.9
G03D	McMinnville, O	5.01	16	P	Pn	06 05 38.2 -0.6	SRU	San Rafael Swe	11.35	92	ePn	Pn	06 07 09.5 +3.6	comp=Z,34nm,1.1s	SPMN	Marine on St.	24.14	68	eP	P	06 09 40.1 +0.8
G03D	baz=196			S	Sn	06 06 35.8 -0.6	H17A	Grant Village	11.51	65	ePn	Pn	06 07 11.8 +3.7	comp=Z,43nm,0.9s	P38A	Dawn	24.19	81	eP	P	06 09 40.0 +0.2
MMIM	Miami Mountain	5.17	123	ePn	Pn	06 05 42.0 +0.8	HRY	Hotler Researc	11.55	52	ePn	Pn	06 07 09.1 +0.6	comp=Z,24nm,1.0s	FID	Port Fidalgo	24.25	334	eP	P	06 09 40.9 +0.6
MHDM	Hidden Dam	5.27	127	ePn	Pn	06 05 42.9 +0.6	WALA	Waterton Lakes	11.79	39	ePn	Pn	06 07 12.4 +0.7	comp=Z,112nm,1.5s	K38A	Parkesburg	24.29	74	eP	P	06 09 40.0 -0.8
WVOR	Wild Horse Val	5.32	65	ePn	Pn	06 05 41.8 -1.3	BW0Z	Boulder Array	11.93	73	ePn	Pn	06 07 15.6 +1.7	comp=Z,34nm,1.1s	DIV	Divide	24.30	335	eP	P	06 09 41.9 +1.0
WVOR	Wild Horse Val	5.32	65	eP	Pn	06 05 41.8 -1.3	PD31	Pinedale Array	11.93	73	ePn	Pn	06 07 15.6 +1.7	comp=Z,40nm,0.9s	435B	Jarrell	24.32	104	eP	P	06 09 41.6 +0.5
PCCM	Crazy Canyon	5.33	142	ePn	Pn	06 05 41.2 -2.0	PDAR	Pinedale Array	11.93	73	ePn	Pn	06 07 16.3 +2.4	comp=Z,24nm,1.0s	GLJ	Glacier Island	24.35	335	eP	P	06 09 43.3 +0.3
FRI	Monarch Peak	5.41	139	ePn	Pn	06 05 42.3 -2.0	PDAR	Pinedale Array	11.93	73	ePn	Pn	06 07 16.3 +2.4	comp=Z,24nm,1.0s	KLU	Klutina	24.63	336	eP	P	06 09 44.9 +1.1
RYN	Ryan	5.42	108	ePn	Pn	06 05 40.8 +0.9	PDAR	Pinedale Array	11.93	73	ePn	Pn	06 07 16.3 +2.4	comp=Z,134nm,1.8s	N39A	North Fork, D	24.72	78	eP	P	06 09 45.4 +0.6
FRI	Friant	5.46	127	ePn	Pn	06 05 46.5 +1.5	BBB	Bella Bella	11.96	351	ePn	Pn	06 07 14.8 +0.8	comp=Z,64nm,1.4s	KDKA	Kodiak Island	24.73	324	P	P	06 09 45.4 +0.8
FRI	Friant	5.46	127	eP	Pn	06 05 46.5 +1.5	0.9nm,0.3s,baz=246,slow=11,SNR=24							comp=Z,13nm,0.8s,baz=113,slow=6.4,SNR=7.9	OHAK	Old Harbor	24.76	322	eP	P	06 09 46.0 +0.2
TDH	Tom, Dick, Har	5.49	26	ePn	Pn	06 05 45.5 +0.1	BBB	Bella Bella	11.96	351	ePn	Pn	06 07 14.8 +0.8	comp=Z,24nm,1.0s	HHAR	Hobbs	24.77	89	eP	P	06 09 46.4 +1.1
WDPS	Devils Postpil	5.49	118	ePn	Pn	06 05 46.8 +1.2	BBB	Bella Bella	11.96	351	ePn	Pn	06 07 14.8 +0.8	comp=Z,41nm,0.9s	SII	Siak Island	24.86	320	eP	P	06 09 46.3 +0.5
MINS	Minnert Summit	5.49	118	ePn	Pn	06 05 47.0 +1.4	CGMT	Greycliff	12.55	59	ePn	Pn	06 07 22.9 +0.8	comp=Z,123nm,1.5s	E38A	The Farm, Bul	25.03	64	eP	P	06 09 48.0 +0.4
MDYM	Dry Creek	5.49	118	ePn	Pn	06 05 47.8 +0.8	PV09	Paradox Valley	12.55	94	ePn	Pn	06 07 22.9 +0.8	comp=Z,41nm,1.0s	I39A	Houston	25.10	71	eP	P	06 09 49.6 +1.5
MRDM	Red Cones	5.52	118	ePn	Pn	06 05 48.4 +2.3	PV23	Carpenter Ridge	12.65	94	ePn	Pn	06 07 25.7 +3.8	comp=Z,27nm,0.8s	DAWY	Dawson	25.13	345	eP	P	06 09 49.8 +1.5
MMPM	Mammoth Pass	5.54	118	ePn	Pn	06 05 48.9 +2.6	PV21	Conc Mtn., Par	12.65	93	ePn	Pn	06 07 26.2 +2.5	comp=Z,17nm,0.9s	EYMN	Ely	25.16	61	eP	P	06 09 50.3 +1.7
MLKM	Mammoth Lakes	5.54	118	ePn	Pn	06 05 49.4 +3.1	PV14	Lion Creek, Pa	12.66	94	ePn	Pn	06 07 26.2 +2.5	comp=Z,28nm,1.0s	CNPM	China Post	25.17	328	eP	P	06 09 50.0 +1.4
MLNB	Mammoth Lakes	5.54	118	ePn	Pn	06 05 49.4 +3.0	PV19	Morning Glory	12.71	94	ePn	Pn	06 07 28.4 +2.6	comp=Z,28nm,1.0s	BRLK	Bradley Lake	25.18	329	eP	P	06 09 49.0 +0.4
CMNB	Old Mammoth M	5.55	118	ePn	Pn	06 05 47.9 +1.0	PV20	West Nyswonger	12.71	94	ePn	Pn	06 07 28.4 +2.6	comp=Z,33nm,1.2s	W39A	Magazine	25.26	92	eP	P	06 09 51.1 +1.4
I07A	I07A	5.59	47	ePn	Pn	06 05 47.9 +1.0	PV17	East Wray Mesa	12.73	94	ePn	Pn	06 07 25.6 +1.1	comp=Z,60nm,1.4s	P40A	Paris	25.33	81	eP	P	06 09 50.1 -0.1
G05D	Wamic, OR	5.61	29	P	Pn	06 05 47.9 +0.9	PV16	Nyswonger Mesa	12.76	94	ePn	Pn	06 07 25.8 +0.7	comp=Z,27nm,0.8s	SCM	Sheep Creek Mo	25.33	335	eP	P	06 09 51.5 +1.4
KVN	Kaiserville	5.62	102	ePn	Pn	06 05 47.4 +0.1	PV11	Dave Mesa, Pa	12.79	94	ePn	Pn	06 07 29.1 +3.5	comp=Z,27nm,0.8s	SCM	Sheep Creek Mo	25.33	335	eP	P	06 09 51.5 +1.4
KVN	Kaiserville	5.62	102	eP	Pn	06 05 47.4 +0.1	PV22	La Mesa, Ar	12.82	94	ePn	Pn	06 07 28.4 +2.6	comp=Z,12nm,0.9s	KDKA	Kodiak Island	24.73	324	P	P	06 09 45.4 +0.8
MCMM	Convict Lake	5.62	117	ePn	Pn	06 05 50.9 +0.6	PV12	Sauer Basin,	12.84	94	ePn	Pn	06 07 29.4 +2.7	comp=Z,13nm,0.8s,baz=113,slow=6.4,SNR=7.9	OHAK	Old Harbor	24.76	322	eP	P	06 09 46.0 +0.2
MLAC	Mammoth, Mammo	5.62	117	P	Pn	06 05 50.9 +0.6	PV13	Radium Mtn., P	12.87	95	ePn	Pn	06 07 29.4 +2.7	comp=Z,24nm,1.0s	HHAR	Hobbs	24.77	89	eP	P	06 09 46.4 +1.1
NV01	Mina Array Sit	5.67	108	ePn	Pn	06 05 48.3 +0.3	PV02	Paradox Valley	12.92	94	ePn	Pn	06 07 30.3 +2.9	comp=Z,41nm,0.9s	SII	Siak Island	24.86	320	eP	P	06 09 46.3 +0.5
NVAR	Mina Array Bea	5.67	108	ePn	Pn	06 05 47.9 -0.2	O2VO	White River Ci	12.94	86	ePn	Pn	06 07 29.9 +2.2	comp=Z,123nm,1.5s	E38A	The Farm, Bul	25.03	64	eP	P	06 09 48.0 +0.4
NVAR	13nm,0.3s,baz=282,slow=14,SNR=83			S</																	

21d 6h

Table with columns: MCK, McKinley, 27.23 337 eP, P, 06 10 07.9 +0.6, etc. Lists various astronomical objects and their parameters.

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Table with columns: SEY, Seymchan, 51.69 325 P, P, 06 13 29.7 -0.4, etc. Lists astronomical objects and their parameters.

1050

Table with columns: OBN, Obninsk, 83.59 10 eP, P, 06 16 53.1 +1.7, etc. Lists astronomical objects and their parameters.

IDC 21 06:11:55.7±0.4, 19:38S±173.90E, h0km, mb5.0/34, mb1 5.1/38, mb1mx5.0/52, mbtmp5.0/38, ML4.8/4, MS5.5/38, Ms1 5.5/38, ms1mx5.4/46, Error ellipse: s-maj=12.8km s-min=11.0km az=119.0

21d 7h

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like KK31 Karatay Array, BK31, CHMS Chumysh, TKM2 Tokmak 2, etc.

BUJ 21 07:19:56.3, 49:32N, 156:58E, h29km, mb4.8/35, mb5.0/19, Ms4.7/10, Ms7.4/10
KRSC 21 07:19:59.0, 2.0, 49:10N, 156:63E, h80km, 32km, ML5.1
NEIC 21 07:19:58.4, 0.2, 49:27N, 156:09E, h10km, mb4.7/72, Error ellipse: s-maj=5.8km s-min=3.4km az=152.0

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other parameters. Includes stations like Severo-Kuril's, PAU, MA2, etc.

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Main table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like KIRR, BZWR, BZGR, etc.

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Main table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like NJ2, MDM, WRH, COLA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like PNTR Pine Nut, HLID Halley, ABKAR Akbulak array, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like MORC Moravsky Berou, MORC Moravsky Berou, VRI Vrnicoia, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like ROSF, PDG Podgorica, TTTG Podgorica, etc.

KRSC 21 07:23:12.7±1.7, 49:32N×157:12E, h44km, 27km, ML3.9, East of Kuril Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and Time. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, PAU Khodutka, etc.

ISC/JB 21 07:32:42.0±0.4, 49:32N×157:12E, h209km, 3km, mb3.9/96, Error ellipse: s-maj=7.5km

Table with columns: Code, Station Name, Frequency, Power, Mode, and Time. Includes stations like LAGR Lagunoye, LAGR 115nm.0.4s, LAGR 428nm.0.4s, etc.

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

IDC 21 08:00:02.2.2.2.6.14S.129.48E, h0km, mb3.8/1, mb1 3.8/3, mb1mx3.5/0, mbtmp3.6/3, ML3.5/2, Error ellipse: s-maj=150.0km s-min=30.4km az=69.0, Banda Sea

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

IDC 21 08:09:49.4.1.1.5.89S.130.15E, h0km, mb3.8/4, mb1 4.0/6, mb1mx3.7/47, mbtmp3.9/6, ML4.0/2, Error ellipse: s-maj=80.3km s-min=20.2km az=61.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makarandi Array, CTM Charters Tower, STKA Stephens Creek, MKAR Makarandi Array, MKURB Kurchatov Arra.

MEX 21 08:10:56.2.0.7.17.20N.94.60W, h166km, 12km, MD3.9, Chiapas

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

ISCJB 21 08:18:33.9.1.2.28.83S.0.04.70.80W, h0.7km, 107km, 9km, Error ellipse: s-maj=10.6km s-min=6.3km az=0.3

SJA 21 08:18:33.0.0.6.28.95S.70.21W, h70km, 24km, ML2.6, MW2.8

GUC 21 08:18:35.0.0.5.28.95S.70.21W, h70km, 24km, ML2.6

ISC 21 08:18:33.9.2.2.28.84S.0.04.70.84W, h0.9, h107km, 13km, n12, c0966/24, 2C-30, Central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LCO Las Campanas, VACH Vallenar, GO04 Tololo Observa, CPCH Copiapu, AGUA GUANDACOL, VCA Vinchina, AMOG MOGNA.

IDC 21 08:22:08.5.6.3.4.82S.149.12E, h84km, 63km, mb3.0/3, mb1 3.4/4, mb1mx3.1/43, mbtmp3.5/4, ML1.5/1, Error ellipse: s-maj=35.8km s-min=35.8km az=125.0, Bismarck Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, ILAR Elinor Array.

WEL 21 08:29:24.6.38.5.9.18.0W, h33km, ML4.2/35, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMWG Waiomatatini S, MXZ Matakaoa Point, PKGZ Pakihoro, HAZ Te Karaka, RUGZ Raukumara Rang, RUGZ Rimuhau, PRGZ Paritu Road, MWZ Matawai, MHGZ Mahia Peninsula, RAGZ Rawiri, KNZ Kokohu.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNGZ Shannon Statio, URZ Urewera, WHWZ Waihua, RTZ Ruatuhuna, RAHZ Raahi, EDZ Edacumbe, MUGZ Murupara, MARZ Manawaha, MTHZ Maungataniwha, ARHZ Aroapanui, OPRZ Ohinepanea, NIMZ Nihoa, TARZ Mount Tarawera, RRRZ Republican Road, OMRZ Omnia, PRRZ Plateau Road, ALRZ Allen Road, MRHZ Mataea Rd, TGRZ Tauranga, HRRZ Handcock Road, KARZ Kaharoa, MCHZ McNeill Hill, BKZ Black Stump Fm, KAHZ Kahurangi, WPRZ Whakapaparin, KWHZ Kaweka Forest, PKZ Pukerua, KRHZ Kereru, RITZ Rihia Road, BHHZ Black Hill Sta, PRHZ Porangahau, TLZ Tolley Road, PNHZ Pukenui, KUZ Kuatounu, MOVZ Moutawhango, NGZ Ngauruhoe, ANWZ Angara Road, FWVZ Far West T-bar, TSZ Takapari Road, DVHZ Davenport, MKAZ Mokuaiki, WIAZ Waiheke Island, PRWZ Port Road, HIZ Hawaii, POWZ Post Office Ro, ETAZ East Tamaki Re, TIWZ Tintock, VRZ Vera Road, WAZ Wanganui, MRZ Mangatanioka R, RVAZ Riverhead Bore, OGWZ Olaki Gorge, KWIZ Kapiti Island, WUZ Waipua Caves, OWC Omahuta.

ISCJB 21 08:34:22.5.0.4.39.07N.0.03.29.13E, h0km, 3km, Error ellipse: s-maj=4.6km s-min=3.5km az=174.4

DDA 21 08:34:22.1.39.09N.29.12E, h6km, ML2.6

CSEM 21 08:34:22.4.0.1.39.10N.29.13E, h6km, ML2.4, Error ellipse: s-maj=1.7km s-min=1.4km az=151.0

ISK 21 08:34:22.1.39.11N.29.12E, h8km, ML2.4/0.2

ISC 21 08:34:22.6.0.8.39.10N.0.02.29.12E, h0.02, h9km, 5km, n45, c033/64, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHAP Saphane-Kutahy, SIMA Simav-Kutahya, GEDZ Gediz, DEMI Demirci, TVSB Tavsanli, KULA Kula-Manisa, DURS Dursunbey, MANT Manisa, KUTH Kutahya, KHAL Karahalli, KHAL Karahalli, BALB Balikesir, STEP STEP, BALIKESIR_Sava, IGD Bursa, CAVI Cavusko, MDNY Mudanya-Bursa, BORA Eskisehir, BORA Eskisehir, BORA Eskisehir, KCTX Karacabey, YLV Yalova, AYDB Feyzinkoy-Aydi, AYDB Feyzinkoy-Aydi, SBTS Esenkok-Cinarc, SBTS Esenkok-Cinarc, GULT Gulveren, GULT Gulveren.

IDC 21 09:23:50.7.2.2.0.08N.98.75E, h0km, mb3.7/7, mb1 3.7/7, mb1mx3.5/8, mbtmp3.7/7, Error ellipse: s-maj=79.1km s-min=20.9km az=57.0

ISCJB 21 09:23:56.3.0.8.0.15N.0.08.98.5E.0.1, h61km, 7km, mb3.7/7, Error ellipse: s-maj=18.5km s-min=12.3km az=159.4

DJA 21 09:23:56.6.0.7.0.7.4.9E, h19km, 9km, M3.5/7, MLV3.5/7

ISC 21 09:23:56.9.1.3.0.19N.0.06.98.49E.0.09, h47km, 14km, n17, c177/13, mb3.9/7, Northern Smatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBSI Pulau Batu, MBSI Mandailing Nat, SBSI Sibolga, GSI Gunungsitoli, SISI Sibolga, BKNI Bangkinang, KCSI Kotacane, AH08S2 Diego Garcia H.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H08S3 Diego Garcia H, H08S1 Diego Garcia H, WRA Warramunga Arr, ASAR Alice Springs, KSRS Kora Array, SONM Songoing Array, MKAR Makarandi Array, MKURB Kurchatov Arra, ZALV Zalmos Beam.

WEL 21 09:45:11.5.39.35.0.9.177E, h31km, 1km, ML3.7/27, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARHZ Aroapanui, WHWZ Waihua, KWHZ Cape Kidnapper, NMHZ Naumai, MCHZ McNeill Hill, RAHZ Arahii, KNZ Kokohu, KAHZ Kahurangi, MHZ Mahia Peninsula, SNGZ Shannon Statio, MTHZ Maungataniwha, BKZ Black Stump Fm, KWHZ Kaweka Forest, PRGZ Paritu Road, KRHZ Kereru, RTZ Ruatuhuna, PKZ Pukerua, MRHZ Mataea Rd, RAGZ Rawiri, BKZ Black Hill Sta, MUGZ Murupara, WHZ Waipukurau, PNHZ Pukenui, HATZ Hinemaiaia, TKGZ Te Karaka, MWZ Matawai, PRHZ Panuwhau, ALRZ Allen Road, PRRZ Plateau Road, URZ Urewera, RITZ Rihia Road, RRRZ Republican Road, WPRZ Whakapaparin, WHZ Whakaora, HRRZ Handcock Road, TSZ Takapari Road, RATZ Rangitukia, TARZ Mount Tarawera, KATZ Kakaramea, DVHZ Davenport, KRHZ Kereru, NGZ Ngauruhoe, WHVZ Whangaehu Hut, HSRZ Hossack Road, HLHZ Highlands Stat, EDRZ Edgecumbe, TWGZ Tauwhareparea, FWVZ Far West T-bar, TRVZ Turoa, TRVZ Chateau Observ, GOVZ Galatso Road, WATZ Waitara, MKRZ Makariri, MTVZ Mangateitei, KUTZ Kaahu Road, PKVZ Pokaiti, KARZ Karaka, BFZ Birch Farm, POWZ Post Office Ro, PRWZ Port Road, OPRZ Ohinepanea, PKGZ Pakihoro, TRWZ Te Kaha, TLZ Tolley Road, OHWZ Ohaeae, TIWZ Tintock, WAZ Wanganui, MHZ Mangatanioka R, VRZ Vera Road, HIZ Hawaii, THWZ Holdsworth Sta, TMWZ Te Maipa, PANWZ Panuwhau, MTWZ Mount Morrison, KIWI Kapiti Island, TRWZ Traveller, PREZ Palmer Road, CAW Cannon Point, PANWZ Panuwhau Farm, MSWZ Molika Station, PLWZ Palliser, DUWZ D'Urville Isla, TCW Tory Channel, ETAZ East Tamaki Re, TAWZ Tauranga, BSWZ Blackbirch Sta, NNZ Nelson, ORZ Quartz Range, THZ Tophouse, KHZ Kahutara.

NEIC 21 09:55.9.0.18.50N.101.72W, h16km, MD4.0(MEX), After MEX

MEX 21 09:50:55.7.0.18.53N.101.73W, h46km, 20km, MD4.1, Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZIIG Zihuatanejo, ZIIG Zihuatanejo, ZIIG Zihuatanejo, ZIIG Morelia, MOIG Morelia, MOIG Morelia, ARIG Puente Sto Nin, ARIG Puente Sto Nin, ARIG Puente Sto Nin, MMIG Aquila.

21d 11h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MMIG, MEIG, PLIG, PLIG, TLIG, TLIG, TLIG, CJM, CJM.

GUC 21 10:06:47.2.0.5,24.09S.67.42W,h175km,ML3.8,2C-4D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GO02, PB14, PB14, PB05, PB05, PB10, PB10, PB03, PB03, PB04, PB04, PB07, PB07, PB02, PB02, PB01, PB01.

MAN 21 10:09:39.5,16.94N.120.40E,h32km,mb4.6,ML3.5, MS3.4, Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BOLF, BOLF, ABRA, ABRA, APYV, APYV, SCZP, SCZP, CAUP, CAUP.

MAN 21 10:27:46.0,9.61N.125.71E,h12km,mb4.7,ML3.6,MS3.5, IC-10, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BUTP, BUTP, MSLP, MSLP, CGP, CGP, BIFP, BIFP, BIFP, BIFP, BUKP, BUKP, BESP, BESP.

WEL 21 10:51:45.4,38.59N.18.0W,h33km,ML3.6/24, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WMGZ, WMGZ, MXZ, MXZ, PUKZ, PUKZ, PKGZ, PKGZ, CNZG, CNZG, TWGZ, TWGZ, HAZZ, HAZZ, TKGZ, TKGZ, RUGZ, RUGZ, RIGZ, RIGZ, PRGZ, PRGZ, MWZ, MWZ, MHGZ, MHGZ, RAGZ, RAGZ, KNZ, KNZ, SHNZ, SHNZ, URZ, URZ, WHZ, WHZ, RAHZ, RAHZ, MUGZ, MUGZ, ARHZ, ARHZ, ORHZ, ORHZ, MRHZ, MRHZ, NHHZ, NHHZ, ICHZ, ICHZ, EKZ, EKZ, KAHZ, KAHZ, KWHZ, KWHZ, KRHZ, KRHZ, BHHZ, BHHZ, TNZ, TNZ, DVHZ, DVHZ, PRWZ, PRWZ, POWZ, POWZ, TIWZ, TIWZ, MRZ, MRZ, MTW, MTW, CAW, CAW, CTZ, CTZ.

IDC 21 10:55:02.4.1.9,7.24S.124.98E,h0km,mb3.6/1, mb1 3.9/3, mb1mx3.4/5, mbtmp3.7/3, ML3.1/2, Error ellipse: s-maj=163.0km s-min=30.5km az=60.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WRA, WRA, WRA, ASAR.

2012 JUL

0.1nm,0.3s,baz=330,slow=12,SNR=10 MKAR Makanki Array 65.79 329 P P 11 05 49.5 0.0

0.1nm,1.0s,baz=133,slow=6.3,SNR=5.0

JMA 21 10:55:40.6,37.18N.140.73E,h8km,1km,M1.5, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ONAJ, ONAJ, JFD, JFD, JFK, JFK, JFT, JFT, JFT, JFT, JMM, JMM, JFY, JFY.

JMA 21 10:56:08.9.0.2,36.31N.138.60E,h2km,3km,M2.9, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JGK, JGK, MAT, MAT, MAT, MAT, JKT, JKT, JKT, JKT, JNG, JNG, JAG, JAG, JRY, JRY.

DDA 21 11:30:51.1,39.18N.30.12E,h7km,M12.5

ISK 21 11:30:51.2,39.22N.30.08E,h7km,ML2.2/4

CSEM 21 11:30:52.1,0.2,39.24N.30.09E,h8km,ML2.2, Error ellipse: s-maj=4.2km s-min=3.0km az=145.0

ISC 21 11:30:51.9.1.1,39.23N.0.03.30.08E,0.03,h8km,9km, n24, c980/38, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KUTH, KUTH, KUTH, KUTH, GDZ, GDZ, GDZ, GDZ, TVSB, TVSB, TVSB, TVSB, ESKT, ESKT, SEVT, SEVT, BORA, BORA, BORA, BORA, AUKUT, AUKUT, KHAL, KHAL, KHAL, KHAL, CAVI, CAVI, CAVI, CAVI, GULT, GULT, GULT, GULT, AMUHH, AMUHH, AMUHH, AMUHH, DURS, DURS, DURS, DURS, KIZT, KIZT, KIZT, KIZT.

IDC 21 11:38:56.3.2.8,15.16N.92.97W,h0km,mb3.4/5, mb1 3.8/8, mb1mx3.6/52, mbtmp3.5/8, ML3.3/3, MS3.5/8, Ms1 3.5/8, ms1mx3.2/23, Error ellipse: s-maj=120.2km s-min=25.1km az=42.0

MEX 21 11:39:00.3.0.7,14.70N.93.61W,h10km,MD4.0

NEIC 21 11:39:02.7.0.0,14.82N.93.48W,h10km,mb4.2/30, MD3.9(MEX), After MEX

ISC 21 11:39:02.7.0.0,14.73N.0.08.93.50W,0.05,h8km,11km, n62, c2640/54, mb4.2/22, MS3.5/8, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include PCIG, PCIG, PCIG, PCIG, CCIG, CCIG, CCIG, CCIG, TGIG, TGIG, TGIG, TGIG, CMIG, CMIG, VHO, VHO, TLIG, TLIG, ESTN, ESTN, MYIG, MYIG, MOIG, MOIG, JTS, JTS, JTS, JTS, TX31, TX31, TXAR, TXAR, 348A, 348A, VBMS, VBMS, 656A, 656A, 140A, 140A, ABTX, ABTX, Z45A, Z45A, 152A, 152A, MIAR, MIAR.

ISC 21 11:44:47.1,40.51N.37.27E,h5km,ML2.3/5

CSEM 21 11:44:48.3.0.2,40.53N.37.27E,h8km,ML2.3, Error ellipse: s-maj=4.7km s-min=3.4km az=12.0

DDA 21 11:44:48.5,40.54N.37.35E,h7km,M12.6

ISC 21 11:44:48.4.1.4,40.53N.0.03.37.26E,0.02,h3km,11km, n23, c191/39, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TOKT, TOKT, TOKT, TOKT, SVSK, SVSK, SVSK, SVSK, SUSE, SUSE, SUSE, SUSE, KVT, KVT, KVT, KVT, SAMS, SAMS, SAMS, SAMS, ESPI, ESPI, ESPI, ESPI, CUSAR, CUSAR, CUSAR, CUSAR, KELT, KELT, KELT, KELT, KEMA, KEMA, KEMA, KEMA, YOZ, YOZ, YOZ, YOZ, SNOF, SNOF, SNOF, SNOF, SARI, SARI.

ISC 21 11:47:36.0.0.4,36.16N.0.04.137.21E,0.06, h274km,3km, mb3.7/8, Error ellipse: s-maj=7.6km s-min=6.4km az=13.6

JMA 21 11:47:36.7.0.1,36.11N.137.26E,h271km,1km,M3.3

IDC 21 11:47:36.7.0.6,36.15N.137.17E,h270km,7km,mb3.2/6, mb1 3.4/12, mb1mx3.1/72, mbtmp3.9/12, Error ellipse: s-maj=4.9km s-min=6.8km az=70.0

ISC 21 11:47:36.0.7,36.21N.0.05.137.23E,0.06,h269km,6km, n31, c1498/46, mb3.5/8, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JGN, JGN, JGN, JGN, JKG, JKG, MAT, MAT, MAT, MAT, MAJ, MAJ, MJAR, MJAR, JSZ, JSZ, JYN, JYN, JRY, JRY, JHT, JHT, JWT, JWT, JOD, JOD, JAD, JAD, JAG, JAG.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MNTX, MNTX, PLAL, PLAL, Y52A, Y52A, MSTX, MSTX, ROSC, ROSC, AMTX, AMTX, WVT, WVT, RUSC, RUSC, TKL, TKL, ANKO, ANKO, TUC, TUC, T25A, T25A, SDCO, SDCO, SJG, SJG, URVA, URVA, PV01, PV01, PV12, PV12, ISCO, ISCO, RSSD, RSSD, PDAR, PDAR, PDAR, PDAR, REDW, REDW, NV01, NV01, NVAR, NVAR, NVAR, NVAR, SNOW, SNOW, LOHW, LOHW, TPWA, TPWA, HLID, HLID, MCMT, MCMT, J08A, J08A, YBH, YBH, F10A, F10A, YCHO, YCHO, SKYA, SKYA, ILAR, ILAR, SPITS, SPITS, NOA, NOA, CMAR, CMAR.

ISC 21 11:44:47.1,40.51N.37.27E,h5km,ML2.3/5

CSEM 21 11:44:48.3.0.2,40.53N.37.27E,h8km,ML2.3, Error ellipse: s-maj=4.7km s-min=3.4km az=12.0

DDA 21 11:44:48.5,40.54N.37.35E,h7km,M12.6

ISC 21 11:44:48.4.1.4,40.53N.0.03.37.26E,0.02,h3km,11km, n23, c191/39, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TOKT, TOKT, TOKT, TOKT, SVSK, SVSK, SVSK, SVSK, SUSE, SUSE, SUSE, SUSE, KVT, KVT, KVT, KVT, SAMS, SAMS, SAMS, SAMS, ESPI, ESPI, ESPI, ESPI, CUSAR, CUSAR, CUSAR, CUSAR, KELT, KELT, KELT, KELT, KEMA, KEMA, KEMA, KEMA, YOZ, YOZ, YOZ, YOZ, SNOF, SNOF, SNOF, SNOF, SARI, SARI.

ISC 21 11:47:36.0.0.4,36.16N.0.04.137.21E,0.06, h274km,3km, mb3.7/8, Error ellipse: s-maj=7.6km s-min=6.4km az=13.6

JMA 21 11:47:36.7.0.1,36.11N.137.26E,h271km,1km,M3.3

IDC 21 11:47:36.7.0.6,36.15N.137.17E,h270km,7km,mb3.2/6, mb1 3.4/12, mb1mx3.1/72, mbtmp3.9/12, Error ellipse: s-maj=4.9km s-min=6.8km az=70.0

ISC 21 11:47:36.0.7,36.21N.0.05.137.23E,0.06,h269km,6km, n31, c1498/46, mb3.5/8, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JGN, JGN, JGN, JGN, JKG, JKG, MAT, MAT, MAT, MAT, MAJ, MAJ, MJAR, MJAR, JSZ, JSZ, JYN, JYN, JRY, JRY, JHT, JHT, JWT, JWT, JOD, JOD, JAD, JAD, JAG, JAG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JIE Ise, JSD Sado, JNS Sasagawa, etc.

ICC 21 11:54:19.9, 3.0, 35.02S x 179.37W, h0km, mb4.0/2, mb1 4.2/3, mb1mx3.7/40, mbmtp4.0/3, ML3.8/1, MS3.4/3, MS1 3.4/3, ms1mx2.9/41, Error ellipse: s-maj=71.5km s-min=35.5km az=125.0

ISCB 21 11:54:21.2, 1.1, 35.17S x 179.0W, 0.2, h43km, mb3.8/2, MS3.2/2, Error ellipse: s-maj=19.4km s-min=7.6km az=25.0

WEL 21 11:54:22.6, 1.0, 35.5S x 179.9W, 1.2, h5km, ML4.4/19, ISCB 21 11:54:24.0, 1.9, 35.19S x 179.0W, 0.2, h43km, n34, c095/42, East of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PKGZ Pakihiroa, PUZ Puketiti, HAZ Te Kaha, etc.

ICC 21 11:57:28.8, 999.0, 47.54N-46.37E, h0km, Error ellipse: s-maj=426.4km s-min=20.2km az=131.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I43RU DUBNA INFRASO, I26DE FREYUNG INFRASO, I48TN KESRA INFRASO, etc.

MEX 21 11:57:39.5, 0.5, 16.53N-98.50W, h5km, 11km, MD3.5, Near coast of Guerrero

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

RSNC 21 12:00:56.1, 0.9, 5.77N-76.04W, h2km, 3km, ML3.6, Mw3.4, 3D, Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SOLL PUERTO BERRIO, YOTO Yotoco, ZARC Zaragoza, etc.

ISC 21 12:15:25.4, 3.2, 42.5N, 0.3, 42.9E, 0.2, h6km, n5, c1912/10, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ONI Oni, DBOC Borcka, ARTV Artvin, etc.

DDA 21 12:17:39.9, 35.18N-27.66E, h20km, M3.1, ISCB 21 12:17:44.8, 1.2, 35.47N, 0.0, 27.86E, 0.5, h3km, 7km, Error ellipse: s-maj=11.6km s-min=4.7km az=146.3

ISC 21 12:17:45.4, 35.51N-27.88E, h10km, ML2.9/9, CSEM 21 12:17:46.1, 0.4, 35.52N-27.84E, h10km, ML2.3, Error ellipse: s-maj=10.9km s-min=3.9km az=148.0

ATH 21 12:17:46.1, 35.60N-27.74E, h20km, 3km, ML2.3/3, Error ellipse: s-maj=11.8km s-min=1.8km az=322.0

ISC 21 12:17:44.3, 1.4, 35.41N, 0.0, 27.92E, 0.04, h15km, 9km, n47, c1935/69, Dodecanese Islands

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

ZKR Zakros, ZKR Zakros, ZKR Zakros, comp=N, 184km, 0.4s

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

ICC 21 12:34:10.4, 8.3, 22.28N-13.31W, h0km, mb1 3.5/2, mb1mx3.1/57, mbmtp3.5/2, ML3.6/1, Error ellipse: s-maj=132.3km s-min=69.0km az=36.0, Western Sahara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I11CV MAIO ISLAND, KOWA Kowa, KOWA Kowa, etc.

WEL 21 12:39:19.1, 38.5S x 14.8W, h3km, ML3.9/21, East of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMGZ Waionmatatini S, WMGZ Matakaoa Point, WMGZ Puketiti, etc.

BUI 21 12:46:28.7, 5.38S x 129.45E, h243km, mb5.0/70, mb4.7/38, ISCB 21 12:46:30.0, 0.2, 5.35S, 0.0, 129.35E, 0.02, h246km, 2km, mb4.9/131, Error ellipse: s-maj=3.3km s-min=2.6km az=153.2

GCMT 21 12:46:30.9, 0.2, 5.32S, 129.32E, h246km, 1km, MW5.1/86, Moment Tensor Solution, s55.67, s86.61, 31; Duration: 0.4, Moment tensor: Scale 10516Nm; Mw3.21, 13;

Mw=4.44; 13; Mgs 1.22; 16; Mw=1.07; 12; Mw=1.27; 13; Ms=3.27; 16. Best double couple: M5: 38800 x 1016 NP1: 226.00000; 866.00000; 4.54.00000; NP2: 0.108.00000; 843.00000; 1.144.00000; Principal axes: 1: 5.6380, P1g54.0000; Azm91.0000; N -0.5000, P1g33.0000; Azm242.0000; P -5.1380, P1g14.0000; Azm342.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ICC 21 12:46:30.6, 0.6, 5.41S, 129.28E, h243km, 5km, mb4.5/37, MS 21 12:46:30.3, 1.1, 5.34S, 129.26E, h244km, mb4.9/66, Error ellipse: s-maj=9.1km s-min=5.3km az=111.8

NEIC 21 12:46:30.9, 0.3, 5.39S, 129.27E, h241km, 3km, mb5.3/51, Error ellipse: s-maj=4.0km s-min=2.6km az=58.0

DJA 21 12:46:31.0, 0.2, 5.2S x 12.9E, h218km, 3km, M5.0/37, mb5.2/37, mb5.4/31, MLV5.9/17, Mw(mB)4.8/31

KLM 21 12:46:32.0, 5.31S x 129.35E, h253km, mb5.4/81, h248km; p-P, n643, c19131/733, mb4.9/130, 9C-14D, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BNDI Bandanaira, AAI Ambon, AAI Ambon, etc.

ICC 21 12:34:10.4, 8.3, 22.28N-13.31W, h0km, mb1 3.5/2, mb1mx3.1/57, mbmtp3.5/2, ML3.6/1, Error ellipse: s-maj=132.3km s-min=69.0km az=36.0, Western Sahara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BAKI Biak, KMSI Cibinong, EDFI Ende, etc.

WEL 21 12:39:19.1, 38.5S x 14.8W, h3km, ML3.9/21, East of North Island

2ci 12h

Table with columns: PCI, Palu, Time, P, Pn, Pmax, and numerical values. Includes stations like Mapaga, Genyem, Jayapura, etc.

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Table with columns: Station Name, Time, P, Pn, Pmax, and numerical values. Includes stations like KULM, HNR, QIZ, RKGY, etc.

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Table with columns: Station Name, Time, P, Pn, Pmax, and numerical values. Includes stations like XAN, XAN, XAN, TIY, etc.

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SBA, MAW, BRVK, etc.).

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Table with columns for station call letters, frequency, and various signal quality metrics (e.g., WATA, HLID, R11A, etc.).

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LSZ Lusaka, GNI Garmi, KBZ Khabaz, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WSI Waingapu, BKSI Bulukumba, SPSI Sidrap Palu, etc.

ISCJB 21 17:02:08.0, 0.5, 13:19N, 0:08:50, 13E, 0:05, h10km, mb4.2/38, MS3.3/7, Error ellipse: s-maj=12.1km, s-min=7.3km az=4.7

IDC 21 17:02:08.2, 1.0, 13:16N, 0:10E, h0km, mb3.7/15, ms1 3.9/16, ms1mx2.7/6.0, mbmp3.7/16, ML4.2/1, MS3.3/8, Ms1 3.3/8, ms1mx2.9/5.7, Error ellipse: s-maj=25.1km, s-min=19.1km az=22.0

NEIC 21 17:02:09.4, 0.5, 13:14N, 0:50, 15E, h10km, mb4.4/23, Error ellipse: s-maj=10.7km, s-min=6.6km az=188.0

ISC 21 17:02:09.4, 0.7, 13:22N, 0:15, 15E, h10km, n67, a1503/62, mb4.2/38, MS3.3/7, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ATD Arta Tunnel, ATD Arta Tunnel, ATD Jioss Mirazif, etc.

NEIC 21 17:03:44.1, 2.9, 33:37S, 178:16W, h2km, 19km, mb4.8/3, Error ellipse: s-maj=14.9km, s-min=7.5km, az=111.0

IDC 21 17:03:44.9, 3.4, 33:37S, 178:28W, h0km, mb3.8/2, ms1 4.0/3, ms1mx3.6/3.6, mbmp3.9/3, ML3.3/7, Error ellipse: s-maj=76.2km, s-min=47.4km, az=121.0

ISCJB 21 17:03:45.7, 0.8, 33:45S, 0:05, 178:17W, 0:2, h32km, mb4.1/9, Error ellipse: s-maj=19.4km, s-min=4.9km, az=19.2

WEL 21 17:03:46.3, 1.0, 33:35S, 13:17W, 3:3, h12km, ML4.5/13, ISC 21 17:03:47.1, 3.3, 33:36S, 0:08, 178:17W, 0:2, h32km, n68, a185/49, mb3.8/5, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ATD Arta Tunnel, ATD Jioss Mirazif, ATD Geit Alibeck, etc.

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

ISCJB 21 17:02:59.7, 0.5, 33:30N, 0:02, 33:34E, 0:05, h9km, 4km, Error ellipse: s-maj=7.5km, s-min=3.0km, az=25.0

GIL 21 17:02:59.8, 0.0, 33:27N, 0:37E, h0km, MD3.1, 17 CSEM 21 17:03:00.3, 0.1, 33:27N, 35:36E, h10km, MD3.1, Error ellipse: s-maj=2.6km, s-min=1.0km, az=112.0

GRAL 21 17:03:00.9, 0.2, 33:30N, 35:35E, h0km, MD3.2, ISC 21 17:03:00.2, 1.1, 33:31N, 0:02, 33:34E, 0:04, h9km, 11km, n42, a638/55, Jordan-Syria region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNTI Hanita, KSDI Kefar Szold, NMA08 Mount Meron ar, etc.

NEIC 21 17:03:44.1, 2.9, 33:37S, 178:16W, h2km, 19km, mb4.8/3, Error ellipse: s-maj=14.9km, s-min=7.5km, az=111.0

IDC 21 17:03:44.9, 3.4, 33:37S, 178:28W, h0km, mb3.8/2, ms1 4.0/3, ms1mx3.6/3.6, mbmp3.9/3, ML3.3/7, Error ellipse: s-maj=76.2km, s-min=47.4km, az=121.0

ISCJB 21 17:03:45.7, 0.8, 33:45S, 0:05, 178:17W, 0:2, h32km, mb4.1/9, Error ellipse: s-maj=19.4km, s-min=4.9km, az=19.2

WEL 21 17:03:46.3, 1.0, 33:35S, 13:17W, 3:3, h12km, ML4.5/13, ISC 21 17:03:47.1, 3.3, 33:36S, 0:08, 178:17W, 0:2, h32km, n68, a185/49, mb3.8/5, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GLKZ Green Lake, RAO Raoul Island, WMGZ Waiomatitani S, etc.

ISCJB 21 16:53:36.0, 0.5, 8:05S, 0:06, 123:88E, 0:04, h10km, mb3.9/7, MS3.9/1, Error ellipse: s-maj=9.1km, s-min=6.1km, az=178.2

IDC 21 16:53:37.0, 1.2, 7:86S, 124:13E, h0km, mb4.0/7, mb1 4.2/9, ms1mx2.7/4.1, mbmp4.0/9, ML3.8/2, MS3.4/2, Ms1 3.5/2, ms1mx2.7/4.1, Error ellipse: s-maj=63.0km, s-min=17.8km, az=45.0

NEIC 21 16:53:38.0, 0.7, 8:05S, 124:15E, h10km, mb4.0/1, Error ellipse: s-maj=40.0km, s-min=8.6km, az=52.0

DJA 21 16:53:42.6, 0.9, 8:54, 12:4E, h33km, 12km, M4.1/8, mb4.4/2, ML4.0/8

ISC 21 16:53:37.9, 0.7, 8:06S, 0:06, 123:94E, 0:06, h10km, n20, a208/21, mb3.9/7, Ranges

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

NNC 21 17:04:58.4, 3.4, 37:47N, 72:00E, h171km, 41km, mb2.5, mp3.5, 7.0E, Error ellipse: s-maj=36.7km, s-min=27.7km, az=59.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AS01 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Manas, Ala-Archa, Karatay Array, etc.

ISCJB 21 17:21:12.9:0.3, 7.84S:0.03x123.84E:0.03, h10km, mb4.8/9, Error ellipse: s-maj=5.4km s-min=3.7km az=143.6

IDC 21 17:21:14.5:1.2, 7.73S:124.30E, h0km, mb3.5/3, mb1.3/0.5, mb1mx3.5/48, mbtmp3.75, ML3.2, Error ellipse: s-maj=173.4km s-min=22.5km az=53.0

NEIC 21 17:21:15.0:0.5, 7.99S:123.75E, h10km, mb4.2/7, Error ellipse: s-maj=12.0km s-min=7.2km az=53.0

DJA 21 17:21:17.2:0.5, 8.2S:121.4E, h40km, 15km, M4.0/10, mb4.2/3, MLV3.9/10

ISC 21 17:21:14.5:0.5, 7.95S:104.123.73E:0.05, h10km, n37, c=293/50, mb5.2/8, Banda Sea

Main table of station data for the first section, including stations like Maumere, Ende, Flores, Bulukumba, etc.

KRSC 21 17:43:51.0:5.1, 50.37N:156.76E, h62km, 18km, ML3.7, Kuril Islands

Table of station data for the Kuril Islands region, including stations like Severo-Kuril's, Pauzhetka, etc.

ISCJB 21 17:43:53.0:0.5, 38.53N:101.03:31.94E:0.05, h8km, 6km, Error ellipse: s-maj=6.3km s-min=4.4km az=161.9

CSEM 21 17:43:52.0:0.1, 38.53N:31.95E, h8km, ML2.7, Error ellipse: s-maj=4.7km s-min=2.9km az=60.0

ISK 21 17:43:52.6, 38.56N:31.99E, h11km, ML2.4/7, Error ellipse: s-maj=5.1km s-min=3.1km az=60.0

DDA 21 17:43:52.7, 38.53N:31.93E, h6km, ML2.7, Error ellipse: s-maj=5.0:0.3, 38.54N:0.02:31.95E:0.03, h9km, 7km, n31, c=64/47, Turkey

Table of station data for the Turkey region, including stations like Kadinhani, Kizilcal, etc.

Table of station data for the Konya-Tatoy region, including stations like KONT, BOLV, AUSIV, etc.

MAN 21 17:48:48.4, 13.84N:120.75E, h33km, mb3.8, ML2.6, MS2.1, 2C, Mindoro

Table of station data for the Mindoro region, including stations like Tagaytay City, Puerto Galera, etc.

IDC 21 17:49:20.6:0.8, 8.10S:124.01E, h0km, mb3.8/6, mb1.4/1.8, mb1mx3.8/48, mbtmp3.9/8, ML4.0/2, MS3.0/2, Ms1.3/1.2, ms1mx2.5/45, Error ellipse: s-maj=54.5km s-min=11.5km az=62.0

ISCJB 21 17:49:24.0:0.3, 8.06S:103.123.84E:0.03, h33km, mb4.6/25, MS3.0/1, Error ellipse: s-maj=5.2km s-min=4.1km az=139.1

DJA 21 17:49:24.0:0.3, 8.2S:121.4E, h10km, M4.3/8, mb4.6/7, MLV4.2/8

NEIC 21 17:49:26.8:0.3, 8.19S:123.72E, h35km, mb4.7/21, Error ellipse: s-maj=10.8km s-min=5.3km az=60.0

ISC 21 17:49:26.7:0.5, 8.12S:105.123.80E:0.06, h35km, n61, c=250/67, mb4.5/25, Flores region

Main table of station data for the Flores region, including stations like Maumere, Ende, Flores, etc.

ISC 21 18:07:1.38S:121.80W, h33km, ML3.5/18, East of North Island

Main table of station data for the East of North Island region, including stations like WGMZ, MXZ, etc.

Table of station data for the KBL, AAK, ZAAO, ZALV, ZALV, ZAA1, KURBB, KURK region, including stations like Kabul, Ala-Archa, Zalesovo Array, etc.

NIED 21 18:14:00.38:40N:144:50E, h17km, Mw3.5 Best double couple: M1.73000:1014 NP1:0.8176.00000, 872.00000, 174.00000, NP2:0.269.00000, 885.00000, 178.00000

JMA 21 18:14:21.0:2.0, 1.38:37N:144.48E, h43km, M4.1, Off coast of Honshu

Table of station data for the Honshu region, including stations like Ofunato, Miyakonagasawa, etc.

WEL 21 18:18:07.1, 38S:121.80W, h33km, ML3.5/18, East of North Island

Main table of station data for the East of North Island region, including stations like WGMZ, MXZ, Puketiti, etc.

IDC 21 18:25:26.3:2.0, 7.19S:146.79E, h0km, mb3.7/3, mb1.4/0.6, mb1mx3.7/48, mbtmp3.9/6, ML3.4/2, MS3.2/2, Ms1.3/2.2, ms1mx2.6/39, Error ellipse: s-maj=64.0km s-min=22.1km az=80.0

ISCJB 21 18:25:30.2:1.8, 7.2S:101.146:6E:0.2, h33km, mb3.5/2, MS3.2/2, Error ellipse: s-maj=33.7km s-min=12.8km az=154.0

ISC 21 18:25:31.4:1.8, 7.2S:101.146:7E:0.3, h33km, n9, c=099/8, Eastern New Guinea region

Main table of station data for the Eastern New Guinea region, including stations like PMG, CTA, WRA, ASAR, GUMO, STKA, MKAR, GEYT, TORD, etc.

ATH 21 18:29:11.7, 36:35N:28:91E, h44km, 3km, ML2.3/2, Error ellipse: s-maj=5.3km s-min=1.3km az=178.0

ISK 21 18:29:11.8, 36:44N:28:92E, h21km, ML2.7/14, Error ellipse: s-maj=5.1km s-min=3.9km az=60.0

CSEM 21 18:29:12.4:0.2, 36:42N:28:95E, h24km, 1km, ML3.2, Error ellipse: s-maj=3.9km s-min=2.9km az=80.0

DDA 21 18:29:31.1, 36:46N:28:94E, h25km, ML3.2, Error ellipse: s-maj=3.9km s-min=2.9km az=80.0

ISC 21 18:29:12.0:1.0, 36:42N:0.03:28.93E:0.02, h23km, 8km, n56, c=086/87, Dodecanese Islands

Main table of station data for the Dodecanese Islands region, including stations like FETY, DALY, TURUN, etc.

21d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like AKAS, KAS, KSL, KST, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like NNC 21, SFK, MNAS, etc.

IDC 21 18:51:05.3±0.3, 38°53'N; 70°69'E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=27.0km s-min=15.0km az=150.0

NEIC 21 18:51:10.8±0.4, 39°11'N; 70°16'E±0.03, h17km, Error ellipse: s-maj=6.0km s-min=2.9km az=151.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like BTk, TAS, SFK, ARK, ARS, etc.

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KK31, UCH, KBL, AAK, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like MMAOB, MAAOB, NATI, etc.

GUC 21 19:13:22.6±0.6, 23°43'N; 70°52'W, h34km, 1km, ML3.5, 1C-1D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like PB10, ANCH, PB05, etc.

IDC 21 19:36:21.1±4.3, 55°55'N; 152°19'W, h0km, mb3.9/8, Error ellipse: s-maj=10.2km s-min=3.4km az=144.0

NEIC 21 19:36:33.0±0.0, 56°56'N; 153°06'W, h20km, ML2.9(AEIC), After AEIC.

IDC 21 19:36:29.1±1.0, 56°45'N; 152°74'W±0.05, h20km, n48, ±230/55, mb4.0/8, Kodiak Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like SII, OHAK, KODAK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRH Wood River Hill, CCB Clear Creek Bu, ILAR Elson Array, etc.

ATH 21 19:38:45.9, 35:22N-27:13E, h11km, 4km, ML2.7/5, Error ellipse: s-maj=6.3km s-min=1.1km az=330.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KARP Karpathos, KURK Kurchatov Arra, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LAST Lasithi, DAT Datca, SANT Santorini, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ELL Elmali, AYDB Zeytinokoy-Aydi, GOLH Golhisar, etc.

IDC 21 19:40:26.0, 2.1, 5:62N, 127.79E, h0km, mb3.8/6, mb1 3.9/6, mb1mx3.6/52, mbtmp3.8/6, Error ellipse: s-maj=193.1km s-min=18.1km az=66.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DDMP Don Marcelino, MATI Mati, GSPH General Santos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, AS01 Alice Springs, KS15 Wonju Array S1, etc.

IDC 21 19:41:44.6, 1.4, 27:22N-142.76E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.5/4, mbtmp3.5/4, MS2.9/3, Ms1 2.9/3, ms1m2.5/42, Error ellipse: s-maj=28.8km s-min=24.7km az=109.0, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JCJ Chichijima, JCJ Kunigami, JWS Korea Array, etc.

ISC/JB 21 20:02:10.0, 0.3, 51:50N-0:02:16E, 12E:0:03, h0km, Error ellipse: s-maj=2.8km s-min=2.3km az=144.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP Ksiaz, UPC Upipe, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLL Collm, MORC Moravsky Berou, MORC Moravsky Berou, etc.

CHZF Chorzow, VRAC Vranov, VRAC Vranov, VRAC Vranov, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KHC Kasperke Hory, LANS Liptovska Anna, LANS Liptovska Anna, etc.

ISC 21 20:14:35.2, 0.5, 26:98N-0:05:53E, 77E:0:06, h19km, mb3.6/16, MS3.1/3, Error ellipse: s-maj=10.1km s-min=4.1km az=44.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BLEU Blekinge, BLEU Blekinge, DEL Delary, etc.

TEH 21 20:14:36.6, 27:13N-54:08E, h10km, ML3.4, DSN 21 20:14:38.1, 1.0, 27:28N-54:18E, h15km, ML3.5/7, Error ellipse: s-maj=14.3km s-min=4.8km az=12.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHRM Jahrom, GENO Geno, SHME Shamam, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TIP, YTIIR, TAR1, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NB205, NB003, NB004, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MLZ, Wether Hill, EIDS, etc.

435B	comp=N,22nm,1.3s Jarrell	85.92 57 P	P	P	21 00 27.2 +0.1
USHA	Ushuala baz=250	85.93 146 LR	LR	P	21 29 55.7
LAO	LASA Array comp=N,430nm,20.1s	86.09 39 P	P	P	21 00 26.4 -1.2
RSSD	Black Hills baz=245	86.34 42 P	P	P	21 00 29.6 +0.4
RSSD	Black Hills comp=N,14nm,1.4s	86.34 42 eP	P	P	21 00 27.8 -1.3
RSSD	Black Hills comp=N,14nm,1.4s	86.34 42 eP	P	P	21 00 27.8 -1.3
WHTX	Lake Whitney, baz=250	86.44 56 P	P	P	21 00 30.6 +1.0
WHTX	Lake Whitney, comp=Z,54nm,1.6s	86.44 56 eP	P	P	21 00 28.1 -1.5
HKT	Hockley	87.06 58 eP	P	P	21 00 32.7 +0.1
MAW	comp=Z,35nm,1.2s Mawson	87.90 199 P	P	P	21 00 36.6 +0.6
MAW	comp=Z,8.7nm,0.8s,baz=108,slow=3.2,SNR=4.1	87.90 199 LR	LR	P	21 40 12.9
MAW	comp=Z,224nm,18.4s,baz=94,slow=36	87.90 199 P	P	P	21 00 37.0 +1.0
MAW	baz=89,SNR=5.1	87.90 199 eP	P	P	21 00 37.9 +1.9
GYA	Guiyang	88.09 298 eP	P	P	21 00 38.0 +0.1
GYA		88.09 298 eP	P	P	21 04 07.5 +2.2
GYA		88.09 298 eP	P	P	21 11 04.8 +1.2
GYA		88.09 298 eP	P	P	21 11 04.8 +1.2
GYA	comp=Z,10.0nm,1.0s	88.09 298 eP	P	P	21 00 38.0 +0.1
NATX	comp=Z,110nm,6.0s Nacodoches baz=251	88.61 57 P	P	P	21 00 41.7 +1.7
XAN	Xi'an	88.66 306 P	P	P	21 00 39.9 -0.4
XAN	comp=Z,5.0nm,2.4s	88.66 306 P	P	P	21 00 39.9 -0.4
XAN	comp=Z,130nm,4.2s	88.66 306 P	P	P	21 00 39.9 -0.4
HHC	Hu-ho-hao-te	89.04 313 eP	P	P	21 00 42.6 +0.6
HHC		89.04 313 eP	P	P	21 00 50.9 -3.9
HHC		89.04 313 eP	P	P	21 04 14.1 +1.5
HHC		89.04 313 eP	P	P	21 11 29.8 +2.2
HHC		89.04 313 eP	P	P	21 11 40.5 -3.4
HHC	comp=Z,7.0nm,0.9s	89.04 313 eP	P	P	21 00 42.6 +0.6
HHC	comp=Z,200nm,6.4s	89.04 313 eP	P	P	21 00 42.6 +0.6
HHC	comp=Z,130nm,15.5s	89.04 313 eP	P	P	21 00 42.6 +0.6
HHC	comp=Z,170nm,17.3s	89.04 313 eP	P	P	21 00 42.6 +0.6
YAK	Yakutsk	89.08 337 eP	P	P	21 00 39.1 -2.4
YAK	comp=Z,9.0nm,1.1s	89.08 337 eP	P	P	21 00 39.1 -2.4
YAK	comp=N,3.0nm,1.6s	89.08 337 eP	P	P	21 00 39.1 -2.4
PLCA	Paso Flores	89.49 132 LR	LR	P	21 33 33.4
340A	Kurthwood baz=252	89.68 57 P	P	P	21 00 46.7 +1.6
141A	Cam and Jess, baz=252	89.76 56 P	P	P	21 00 46.8 +1.4
YKA	Yellowknife Ar comp=N,1.0nm,0.8s,baz=225,slow=4.3,SNR=4.0	89.99 23 P	P	P	21 00 45.1 -0.6
YKA		89.99 23 P	P	P	21 37 55.9
W39A	Magazine	90.40 54 P	P	P	21 00 49.5 +1.2
T38A	Diamond baz=251	90.59 52 P	P	P	21 00 48.9 -0.3
V39A	Pettigrew baz=252	90.71 53 P	P	P	21 00 48.7 -1.2
Y41A	Eaglette Beard baz=252	90.91 55 P	P	P	21 00 51.4 +0.7
KMI	Kunming	91.08 296 P	P	P	21 00 52.3 +0.3
KMI	comp=N,13nm,0.5s	91.08 296 P	P	P	21 00 52.3 +0.3
JTS	comp=N,81nm,5.1s JuntasAbangare	91.10 80 LR	LR	P	21 32 27.6
R38A	comp=N,450nm,20.3s,baz=218,slow=29 Fenwick Farm, baz=252	91.25 51 P	P	P	21 00 52.0 -0.3
T39A	Cleaver baz=252	91.28 52 P	P	P	21 00 52.8 +0.3
V40A	Witts Springs baz=252	91.33 53 P	P	P	21 00 52.5 -0.3
P37A	Lathrop baz=251	91.36 49 P	P	P	21 00 52.4 -0.4
W41B	Gary Mavity, V baz=252	91.59 54 P	P	P	21 00 54.6 +0.8
V41A	Mountainview baz=253	91.84 53 P	P	P	21 00 55.8 +0.7
CD2	Chengdu	91.85 301 eP	P	P	21 00 54.5 -0.8
244A	Avery, Jackson baz=253	91.91 57 P	P	P	21 00 55.5 +0.1
R39A	Chumby, Stover baz=252	91.94 51 P	P	P	21 00 55.5 0.0
T40A	Mansfield baz=252	91.97 52 P	P	P	21 00 55.4 +0.8
S40A	Lebanon baz=252	92.12 52 P	P	P	21 00 56.4 +0.1
U41A	Viola baz=253	92.19 53 P	P	P	21 00 56.9 +0.2
Y42A	Makayla and Ka baz=253	92.25 56 P	P	P	21 00 57.6 +0.6
V43A	Cord baz=253	92.44 54 P	P	P	21 00 57.9 +0.1
P39B	Salisbury baz=252	92.50 50 P	P	P	21 00 58.1 +0.1
R40A	Maddies Statio baz=253	92.50 51 P	P	P	21 00 58.3 +0.2
T41A	Mountain View baz=253	92.52 52 P	P	P	21 00 58.4 +0.2
CMAR	Chiang Mai Arr comp=N,0.7nm,0.8s,baz=129,slow=1.9,SNR=4.2	92.68 288 P	P	P	21 01 00.2 +0.9
S41A	Jilco Farms, baz=253	92.69 52 P	P	P	21 00 58.6 -0.3
U42A	Reviden baz=253	92.72 53 P	P	P	21 00 58.8 -0.2
M38A	Pleasantville baz=252	92.77 48 P	P	P	21 00 59.4 +0.2
Q40A	Laux Farm, Aux baz=253	92.86 50 P	P	P	21 00 58.8 -0.9
K37A	Belmond baz=252	92.88 46 P	P	P	21 00 59.6 -0.1
VNA3	Neumayer Olymp	92.92 175 P	P	P	21 01 01.6 +2.1
SNA4	Sanae	92.98 177 P	P	P	21 01 02.9 +3.1
SNA4	Sanae	92.98 177 P	P	P	21 01 02.3 +2.5
SNA4	comp=N,1.9nm,0.6s,baz=289,slow=2.0,SNR=2.9	92.98 177 LR	LR	P	21 42 35.2
SNA4	Sanae comp=N,11.1nm,18.0s,baz=189,slow=35	92.98 177 eP	P	P	21 01 02.2 +2.5
SNA4	Sanae comp=N,8.8nm,1.3s	92.98 177 eP	P	P	21 01 02.2 +2.5
SNA4	Sanae	92.98 177 eP	P	P	21 01 02.2 +2.5
NNA	comp=Z,9.0nm,1.3s Nana	92.98 103 LR	LR	P	21 33 54.7
T42A	comp=Z,165nm,20.0s,baz=230,slow=30 Van Buren baz=253	93.03 53 P	P	P	21 01 00.1 -0.3
P40A	Paris baz=253	93.04 50 P	P	P	21 00 59.8 -0.7
J37A	Redentus Farm, baz=252	93.10 46 P	P	P	21 01 01.2 +0.4
N39A	Derby Farms, D baz=253	93.11 49 P	P	P	21 01 01.0 0.0
L38A	Oak Wood Farm, baz=252	93.16 47 P	P	P	21 01 01.2 +0.2
AGMN	Agassiz Nation baz=251	93.17 41 P	P	P	21 01 01.3 +0.4
CCM	Cathedral Cave baz=253	93.21 52 P	P	P	21 01 00.9 -0.4
OC4A	La Belle baz=253	93.24 49 P	P	P	21 01 02.0 +0.2
S42A	Caledonia baz=254	93.27 52 P	P	P	21 01 02.5 0.0
Q41A	Truxton baz=253	93.48 51 P	P	P	21 01 02.8 +0.2
M39A	Webster baz=253	93.52 48 P	P	P	21 01 02.9 +0.2
VNA1	Neumayer-Stat Oxford	93.62 175 P	P	P	21 01 05.3 +2.7
OXF	Oxford baz=254	93.63 55 P	P	P	21 01 03.5 +0.1
A33A	Greenville baz=254	93.66 53 P	P	P	21 01 03.5 +0.1
A33A	Warrod baz=251	93.68 40 P	P	P	21 01 03.0 -0.2
N40A	Mertquake, Sal baz=253	93.78 49 P	P	P	21 01 03.7 -0.2
P41A	Barry, Barry baz=254	93.81 50 P	P	P	21 01 04.3 +0.2
ULM	Lac du Bonnet comp=Z,1.9nm,0.7s,baz=265,slow=7.3,SNR=4.2	93.81 39 P	P	P	21 01 02.8 -1.0
ULM	Vinton comp=Z,228nm,20.1s,baz=238,slow=32	93.84 47 P	P	P	21 01 04.5 +0.4
Y46A	Houston baz=254	93.90 56 P	P	P	21 01 04.8 +0.2
F36A	Milaca baz=252	93.91 44 P	P	P	21 01 05.3 +0.9
S43A	Fulton Ridge, baz=254	93.96 52 P	P	P	21 01 05.1 +0.3
M40A	Post Highland baz=253	93.98 48 P	P	P	21 01 04.6 -0.2
W45A	Hickory Valley baz=254	93.98 55 P	P	P	21 01 05.2 +0.2
O41A	Passleys Farm, baz=254	94.07 50 P	P	P	21 01 05.3 +0.1
K39A	Okelwin baz=253	94.09 47 P	P	P	21 01 04.9 -0.4
I38A	Scanlan Farm, baz=253	94.17 46 P	P	P	21 01 06.1 +0.5
C35A	Jirik Farms, M baz=252	94.18 42 P	P	P	21 01 04.7 -0.8
N41A	Harden Midland baz=254	94.25 49 P	P	P	21 01 06.3 +0.2
P42A	Winchester baz=254	94.32 50 P	P	P	21 01 06.5 +0.1
L40A	Anamosa baz=254	94.37 48 P	P	P	21 01 05.9 -0.7
ULN	Ulaanbaatar	94.44 318 iP	P	P	21 01 06.7 -0.2
ULN	comp=Z,2.0nm,1.3s	94.54 41 P	P	P	21 01 06.9 -0.3
B35A	Bob, Littlefor baz=252	94.54 41 P	P	P	21 01 06.9 -0.3
Q43A	New Douglas	94.62 51 P	P	P	21 01 07.6 -0.1
U45A	Rockin P Farm, baz=255	94.64 54 P	P	P	21 01 08.3 +0.4
SONA0	Songino Array	94.85 318 eP	P	P	21 01 08.9 +0.1
SONA0	Songino Array	94.85 318 eP	P	P	21 05 01.0 +2.8
SONA0	Songino Array	94.85 318 eP	P	P	21 01 08.9 +0.1
SONM	comp=Z,0.4nm,0.5s,baz=132,slow=4.2,SNR=5.7	94.85 318 eP	P	P	21 05 01.0 +2.8
SONM	comp=Z,0.3nm,0.5s,baz=131,slow=6.3,SNR=5.6	94.85 318 LR	LR	P	21 38 35.2
SONM	comp=Z,228nm,22.0s,baz=99,slow=32	94.85 318 LR	LR	P	21 38 35.2
P43A	Skaggs, Pawnee baz=254	94.94 50 P	P	P	21 01 09.1 -0.1
V46A	Holladay baz=255	95.00 54 P	P	P	21 01 09.7 +0.1
D37A	Collton baz=253	95.02 43 P	P	P	21 01 08.7 -0.2
F38A	Pierce - Schro baz=252	95.04 44 P	P	P	21 01 09.7 +0.2
H39A	Augusta baz=254	95.07 45 P	P	P	21 01 09.8 +0.1
J40A	Soldiers Grove baz=254	95.09 47 P	P	P	21 01 09.8 -0.1
K41A	Shullburg baz=254	95.18 47 P	P	P	21 01 10.5 +0.2
W47A	Westpoint baz=255	95.27 55 P	P	P	21 01 11.0 -0.2
O43A	Sugar Creek Fa baz=255	95.27 50 P	P	P	21 01 10.9 +0.2
JFWS	Jewell Farm baz=254	95.30 47 P	P	P	21 01 11.1 +0.2
WVT	Waverly baz=255	95.31 54 P	P	P	21 01 11.2 +0.2
G39A	Holcombe baz=254	95.32 45 P	P	P	21 01 11.4 +0.5
L42A	Oliver, Polo baz=255	95.47 48 P	P	P	21 01 11.7 +0.1
V47A	Nunnely baz=255	95.47 55 P	P	P	21 01 11.3 -0.5
T46A	Princeton baz=255	95.49 53 P	P	P	21 01 11.9 +0.1
R45A	Stylar, Fairir baz=252	95.52 52 P	P	P	21 01 12.2 +0.3
J41A	Loganville baz=254	95.59 47 P	P	P	21 01 11.9 -0.2
F39A	Loretta baz=254	95.67 44 P	P	P	21 01 12.0 -0.4
W48A	Pulaski baz=256	95.76 55 P	P	P	21 01 12.5 -0.6
U47A	Clarksville baz=255	95.81 54 P	P	P	21 01 13.8 +0.5
150A	Eclectic baz=256	95.86 58 P	P	P	21 01 13.5 -0.1
K42A	Prairie Point, baz=255	95.97 47 P	P	P	21 01 12.9 -0.7
L43A	Garden Prairie baz=255	96.18 48 P	P	P	21 01 14.9 +0.1
F40A	Park Falls baz=255	96.20 44 P	P	P	21 01 14.9 0.0
P45A	Graceland, Par baz=256	96.24 51 P	P	P	21 01 15.2 0.0
N44A	Piper City baz=255	96.27 50 P	P	P	21 01 15.1 -0.2
W49A	Belvidere baz=256	96.29 55 P	P	P	21 01 15.2 -0.3
U48A	Cassie Pea, Po baz=256	96.41 54 P	P	P	21 01 16.1 +0.1
E40A	Wakfield baz=256	96.49 44 P	P	P	21 01 16.3 +0.1
I42A	Draeger Farm, baz=255	96.46 50 P	P	P	21 01 16.0 -0.2
F41A	Three Lakes baz=255	96.84 45 P	P	P	21 01 18.0 +0.2
U49A	Red Boiling Sp baz=256	97.01 54 P	P	P	21 01 18.9 0.0
GTA	Gaotai	97.20 309 eP	P	P	21 01 21.8 +2.0
GTA		97.20 309 eP	P	P	21 01 26.6 -5.9
G					

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, and other technical details for various stations.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H1N13 WAKE ISLAND HY 29.45 145 T, SONMI Songino Array 29.51 290 P, H1S11 WAKE ISLAND HY 30.46 147 T, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes sections for KRSC 21 23:43:11.2, IDC 21 23:18:31, CSEM 21 23:19:44.0, and stations like Waikabubak, Su, Waingapu, Baing, Sumba, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, DZM Mont Dzumac, DZM Matakaoa Point, URZ Urewera, etc.

21d 23h

Table with columns for station call letters, name, frequency, and various signal quality indicators (e.g., pP, pPmax, pPmax, pPmax).

2012 JUL

Table with columns for station call letters, name, frequency, and various signal quality indicators (e.g., P, Pmax, pP, pPmax).

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Table with columns for station call letters, name, frequency, and various signal quality indicators (e.g., ePKP, ePKPb, ePKPb, ePKPb).

Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like KIEV, AK11, APA, and many others.

Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like OHR, DIVS, VYHS, and many others.

Table with columns for station call letters, frequency, mode, and signal strength. Includes stations like GEC2, GERES, GEA0, and many others.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sparrevohn, Murphy Dome, Fort Yukon, etc.

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

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

GUC 22 02:18:51.6-0.7, 2.0'88S-69.25'W, h108km, 3km, ML3.5, 8C-2D, Northern Chile

WEL 22 02:40:24.2, 38'S, 111°18'W, h33km, ML3.7/19, East of North Island

WEL 22 02:40:24.2, 38'S, 111°18'W, h33km, ML3.7/19, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like PET, GNL, TUMR, KMRM, RUS, PETK, etc.

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

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

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

NIED 22 04:41:00, 42°50'N, 143°00'E, h62km, Mw5.1 Best double couple: M0.4, 76000°/1016° N P1.3227, 00000°, 324, 00000°, 1.105, 00000°, NP2.331, 00000°, 867, 00000°, 1.84, 00000°, BJJ 22 04:41:53.8, 42°39'N, 143°26'E, h57km, mb5.3/67, mb5.2/46, Ms4.5/68, Ms7.4/362, ISCJCB 22 04:41:57.1, 0.1, 42°45'N, 142°142'94"E, h73km, 1km, mb5.0/418, Error ellipse: s-maj=2.8km s-min=1.7km az=154.7, MOS 22 04:41:57.6, 0.9, 42°50'N, 142°88'E, h75km, mb5.5/119, MS4.3/20, Error ellipse: s-maj=5.2km s-min=3.5km az=102.3, MOS Felt (I) at Yuzhno-Kuril'sk, NEIC 22 04:41:57.3, 0.2, 42°43'N, 142°91'E, h62km, 1km, MV5.1/102, Moment Tensor Solution, s70, c103, s102, c161; Duration: 0 Moment Tensor; Scale 1016Nm; Mm-4.02e-14; Mm-1.94e-12; Mm-2.07e-12; Mm-0.78e-09; Mm-2.35e-09; Mm-2.39e-08; Best double couple: Mm-21200x/1016° NP1.3227, 00000°, 364, 00000°, 1.74, 00000°, NP2.331, 00000°, 831, 00000°, 1.20, 00000°, Principal axes: T: 5.2470, P167.0000°, Azm266.0000°, N: -0.0600, P15.0000°, Azm35.0000°, S: -5.1780, P17.0000°, Azm129.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. JMA 22 04:41:58.3, 0.1, 42°49'N, 143°03'E, h61km, 1km, M5.1 Broadband fault plane solution: P waves. NP1: 0.31, 00000°, 862, 00000°, 1.69, 00000°. NP2: 0.250, 00000°, 834, 00000°, 1.24, 00000°. Principal axes: T: P166.0000°, Azm263.0000°; N: P18.0000°, Azm41.0000°; S: P15.0000°, Azm136.0000°; JMA 22 04:41:59.1, 1.2, 42°50'N, 142°94'E, h75km, 9km, mb4.8/31, Mb1.4/937, mb1mx4.7/69, mbtmp5.1/37, MS4.0/55, Ms1.4/055, ms1mx4.0/61 Error ellipse: s-maj=11.2km s-min=8.8km az=106.0, ISC 22 04:41:57.7, 0.3, 42°47'N, 143°02'E, h65km, 2km, h65km; pp-P, N1438, 01821/1575, mb5.1/434, 76C-47D, Hokkaido region

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

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

KSCO Kaye Shedlock	79.40	46	eP	P	04 53 57.6 +0.8	comp=Z,9.1nm,1.3s	RETA Reutte	80.97 329 eP	P	04 54 05.0 -0.1	baz=320	KSU1 Kansas State U	82.45 43 eP	P	04 54 12.7 -0.3
RDO Rodhopi	79.45 317	P	P	04 53 57.2 +0.3	comp=Z,29nm,1.0s,SNR=11	E43A Lone Tree Farm	81.01 32 P	P	04 54 04.5 -0.8	KSU1 Kansas State U	82.45 43 eP	P	04 54 28.3 -2.6		
RDO Rodhopi	79.45 317	P	P	04 53 57.2 +0.3	comp=Z,29nm,1.0s,SNR=11	E43A Lone Tree Farm	81.01 32 P	P	04 54 04.5 -0.8	JFWS Jewell Farm	82.46 36 eP	P	04 54 11.9 -1.0		
TUC Tucson	79.45 56 P	P	P	04 53 57.2 0.0	comp=Z,18nm,0.8s	H40A Chili	81.03 35 P	P	04 54 05.1 -0.1	JFWS Jewell Farm	82.46 36 eP	P	04 54 12.2 -0.7		
TUC Tucson	79.45 56 eP	P	P	04 53 58.7 +1.4	comp=Z,323,SNR=5.3	K37A Belmont	81.05 39 P	P	04 54 04.6 -0.7	JFWS Jewell Farm	82.46 36 eP	P	04 54 27.2 -3.7		
TUC Tucson	79.45 56 eP	P	P	04 54 15.0 -0.1	comp=Z,323,SNR=5.3	H40A Chili	81.03 35 P	P	04 54 04.6 -0.7	JFWS Jewell Farm	82.46 36 eP	P	04 54 12.2 -0.7		
RZN Tucson	79.45 56 P	P	P	04 53 58.6 +1.4	comp=Z,323,SNR=5.3	K37A Belmont	81.05 39 P	P	04 54 04.8 -0.7	LOMF Lomont	82.52 332 P	P	04 54 13.1 -0.1		
SPMN Marine on St.	79.50 36 P	P	P	04 53 57.6 -0.4	comp=Z,18nm,1.1s	PVY Plav	81.05 321 P	P	04 54 05.5 -0.1	I43A Langenfeld Bro	82.58 532 P	P	04 54 12.6 -0.9		
H36A Jessenland, He	79.51 38 P	P	P	04 53 56.8 -0.2	comp=Z,15nm,0.9s	KOME Kolasin	81.05 322 P	P	04 54 05.5 -0.1	J42A Columbus	82.62 36 P	P	04 54 12.9 -0.8		
VTS Vitoshia	79.51 319 P	P	P	04 53 57.7 +0.3	comp=Z,21nm,1.0s	BAIF Baives	81.05 335 eP	P	04 54 05.4 -0.2	AGG Agios Georgios	82.66 318 eP	P	04 54 13.0 -1.1		
VTS Vitoshia	79.51 319 P	P	P	04 53 57.7 +0.3	comp=Z,10.0nm,1.0s	UPM Unac-Piva	81.05 322 P	P	04 54 04.9 -0.8	AGG Agios Georgios	82.66 318 eP	P	04 54 13.0 -1.1		
VTS Vitoshia	79.51 319 P	P	P	04 53 57.6 +0.2	comp=Z,24nm,1.0s	CBKS Cedar Bluff	81.07 45 P	P	04 54 04.7 -1.0	AGG Agios Georgios	82.66 318 eP	P	04 54 13.0 -1.1		
VTS Vitoshia	79.51 319 P	P	P	04 53 57.5 +0.2	comp=Z,24nm,1.0s	CBKS Cedar Bluff	81.07 45 eP	P	04 54 04.6 -1.0	AGG Agios Georgios	82.66 318 eP	P	04 54 13.0 -1.1		
VTS Vitoshia	79.51 319 P	P	P	04 53 57.7 +0.2	comp=Z,24nm,1.0s	CBKS Cedar Bluff	81.07 45 eP	P	04 54 04.6 -1.1	AGG Agios Georgios	82.66 318 eP	P	04 54 13.0 -1.1		
E39A Mellie	79.56 35 P	P	P	04 53 56.9 -0.5	comp=Z,24nm,1.0s	PLG Polygyros	81.08 318 P	P	04 54 05.2 -0.5	K41A Shullsburg	82.68 37 P	P	04 54 13.3 -0.7		
CSS Mathias	79.68 308 eP	P	P	04 53 58.3 0.0	comp=Z,24nm,1.0s	PLG Polygyros	81.08 318 P	P	04 54 05.2 -0.5	L40A Anamosa	82.70 38 P	P	04 54 13.5 -0.6		
RAYN Ar Rayn	79.73 292 eP	P	P	04 53 58.6 -0.2	comp=Z,27nm,0.7s	L36A Harm Buss Farm	81.08 40 P	P	04 54 05.1 -0.5	L40A Anamosa	82.70 38 eP	P	04 54 13.6 -0.6		
RAYN Ar Rayn	79.73 292 i P	P	P	04 53 58.7 -0.1	comp=Z,28nm,1.3s	121A Coates Peak, D	81.11 54 P	P	04 54 05.8 -0.4	M39A Webster	82.73 38 P	P	04 54 13.9 -0.4		
RAYN Ar Rayn	79.73 292 eP	P	P	04 53 58.6 -0.2	comp=Z,38nm,1.3s	J38A Wedel Dairy, R	81.14 37 P	P	04 54 05.2 -0.8	N38A Joes South For	82.78 40 P	P	04 54 13.9 -0.7		
F39A Loretta	79.77 35 P	P	P	04 53 58.1 -0.5	comp=Z,38nm,1.3s	I39A Houston	81.14 37 P	P	04 54 05.1 -0.9	O37A Wilson Farm, M	82.83 40 P	P	04 54 14.4 -0.5		
E40A Wakefield	79.78 34 P	P	P	04 53 58.3 -0.3	comp=Z,58nm,1.3s	I39A Houston	81.14 37 eP	P	04 54 05.6 -0.4	AMTX Amarillo	82.93 48 eP	P	04 54 15.0 -0.6		
T25A Trinidad	79.78 49 eP	P	P	04 53 58.6 -0.4	comp=Z,25nm,0.7s	BFO Black Forest	81.15 331 eP	P	04 54 04.8 -1.2	AMTX Amarillo	82.93 48 eP	P	04 54 16.7 +1.1		
T25A Trinidad	79.78 49 eP	P	P	04 53 59.7 +0.7	comp=Z,19nm,1.1s	H41A Junction City	81.35 35 P	P	04 54 04.6 -0.6	K42A Prairie Point	82.96 36 P	P	04 54 14.8 -0.7		
SCHS Schefferville	79.78 17 LR	LR	LR	05 33 48.0	comp=Z,19nm,1.1s	H41A Junction City	81.35 35 eP	P	04 54 06.6 -0.5	MSTX Muleshoe	82.99 50 P	P	04 54 15.3 -0.7		
MMAI Mount Meron Ar	79.82 306 P	P	P	04 53 58.9 +0.6	comp=Z,24nm,1.0s	G42A Mountain	81.36 34 P	P	04 54 06.6 -0.6	MSTX Muleshoe	82.99 50 eP	P	04 54 17.1 +1.2		
MMAI Mount Meron Ar	79.82 306 LR	LR	LR	05 33 08.8	comp=Z,22nm,1.0s,SNR=11	FETA Feichten	81.37 329 eP	P	04 54 07.4 +0.1	L41A Preston	83.02 37 P	P	04 54 15.2 -0.6		
D41A Chassel	79.83 33 eP	P	P	04 53 58.6 -0.3	comp=Z,22nm,1.0s,SNR=11	NKME Niksic	81.37 322 P	P	04 54 07.4 +0.1	N39A Derby Farms, D	83.05 39 P	P	04 54 15.7 -0.3		
D41A Chassel	79.83 33 eP	P	P	04 53 59.0 +0.2	comp=Z,22nm,1.0s,SNR=11	KRUS Krusevo	81.39 320 i P	P	04 54 06.4 -0.9	N39A Derby Farms, D	83.05 39 eP	P	04 54 16.2 +0.2		
DIVS Divibare	79.86 322 eP	P	P	04 53 58.4 -0.8	comp=Z,22nm,1.0s,SNR=11	F43A Flat Rock, Esc	81.39 33 P	P	04 54 07.3 -0.1	N39A Derby Farms, D	83.05 39 eP	P	04 54 16.2 +0.2		
I36A Fitzsimmons Fa	79.90 38 P	P	P	04 53 58.9 -0.4	comp=Z,18nm,1.0s	CDP Champ du Feu	81.45 332 eP	P	04 54 06.2 -1.0	MNTX Cornudas Mount	83.13 53 eP	P	04 54 16.8 +0.2		
BGNE Belgrade	79.93 42 P	P	P	04 53 58.9 -0.6	comp=Z,18nm,1.0s	CDP Champ du Feu	81.45 332 eP	P	04 54 06.2 -1.0	P37A Lathrop	83.19 41 P	P	04 54 17.5 +0.9		
GROS Grobnik	79.94 326 i P	P	P	04 53 59.3 +0.3	comp=Z,18nm,1.0s	BRY Bratogost	81.46 322 P	P	04 54 06.9 -0.9	O38A Galt	83.19 40 P	P	04 54 16.7 -0.1		
EBEN Eben Emael	79.94 334 P	P	P	04 53 59.3 -0.3	comp=Z,18nm,1.0s	DAVA Damuels	81.47 330 eP	P	04 54 07.6 -0.2	SENI Lac Senin/Sane	83.19 331 eP	P	04 54 16.6 -0.3		
H37A Dierke Farm, C	79.95 37 P	P	P	04 53 59.3 -0.2	comp=Z,323,SNR=8.3	J39A Decorah	81.47 37 P	P	04 54 06.8 -0.9	ANX Ano Chora	83.19 317 P	P	04 54 16.0 -0.9		
G38A Ridgeland	79.96 36 P	P	P	04 53 58.8 -0.8	comp=Z,323,SNR=8.3	L37A Phoenix Point,	81.49 39 P	P	04 54 07.5 -0.3	IGT Igomunita	83.25 319 P	P	04 54 16.2 -0.9		
MEM Membach	80.00 334 P	P	P	04 53 59.0 -0.7	comp=Z,323,SNR=8.3	PDG Podgorica	81.50 322 P	P	04 54 07.6 -0.3	KEK Kerika	83.37 319 P	P	04 54 17.2 -0.5		
MEM Membach	80.00 334 P	P	P	04 53 59.7 0.0	comp=Z,323,SNR=8.3	TTG Podgorica	81.50 322 eP	P	04 54 07.6 -0.3	LAKA Lakka	83.44 317 P	P	04 54 17.3 -0.8		
MMB Musomiste	80.02 318 i P	P	P	04 54 00.3 +0.3	comp=Z,64nm,1.1s	TTG Podgorica	81.50 322 eP	P	04 54 07.6 -0.3	LAKA Lakka	83.44 317 P	P	04 54 17.3 -0.8		
F40A Park Falls	80.11 35 P	P	P	04 53 59.9 -0.5	comp=Z,64nm,1.1s	TTG Podgorica	81.50 322 eP	P	04 54 07.6 -0.3	L42A Oliver, Polo	83.44 37 eP	P	04 54 17.2 -0.8		
KKB Krupnik	80.12 319 i P	P	P	04 54 00.9 +0.3	comp=Z,64nm,1.1s	I40A Norwalk	81.51 36 P	P	04 54 07.3 -0.6	K43A Burlington	83.46 35 P	P	04 54 17.5 -0.5		
NVR Neurokopi	80.13 318 P	P	P	04 54 00.7 +0.1	comp=Z,323,SNR=6.4	M36A Anita	81.52 40 P	P	04 54 07.5 -0.6	K43A Burlington	83.46 35 eP	P	04 54 17.9 -0.1		
NVR Neurokopi	80.13 318 P	P	P	04 54 00.7 +0.1	comp=Z,323,SNR=6.4	FELK Felk, Anita	81.52 40 P	P	04 54 07.5 -0.6	K43A Burlington	83.46 35 eP	P	04 54 17.9 -0.1		
E41A Kenton	80.15 34 P	P	P	04 54 00.3 -0.3	comp=Z,323,SNR=6.4	PHP Peshkopia	81.53 320 P	P	04 54 07.8 -0.3	N40A Mertquake, Sal	83.47 38 P	P	04 54 17.8 -0.4		
H38A Maiden Rock	80.16 37 P	P	P	04 54 00.4 -0.3	comp=Z,323,SNR=6.4	PHP Peshkopia	81.53 320 P	P	04 54 07.8 -0.3	GUR Goura	83.49 317 P	P	04 54 16.8 -1.6		
G39A Holcombe	80.16 36 P	P	P	04 53 59.8 -0.9	comp=Z,323,SNR=6.4	PHP Peshkopia	81.53 320 P	P	04 54 07.8 -0.3	GUR Goura	83.49 317 P	P	04 54 16.8 -1.6		
I37A Lemond, Waseca	80.18 38 P	P	P	04 54 00.6 -0.2	comp=Z,17nm,1.0s	K38A Parkersburg	81.54 38 eP	P	04 54 07.8 -0.2	O39A Karkville	83.53 39 P	P	04 54 17.7 -0.8		
I37A Lemond, Waseca	80.18 38 eP	P	P	04 54 01.2 +0.3	comp=Z,17nm,1.0s	CEME Cevo	81.56 322 P	P	04 54 07.5 -0.8	P38A Dawn	83.55 40 P	P	04 54 18.4 -0.2		
T37A Lemond, Waseca	80.18 51 P	P	P	04 54 01.1 -0.2	comp=Z,17nm,1.0s	F44A Big Bay de Noc	81.57 32 P	P	04 54 07.5 -0.6	P38A Dawn	83.55 40 eP	P	04 54 18.8 +0.2		
ANMO Albuquerque	80.19 51 P	P	P	04 54 01.9 +0.6	comp=Z,14nm,0.9s	SLE Schleithem	81.57 331 P	P	04 54 08.0 -0.2	M41A Milan	83.56 38 P	P	04 54 18.1 -0.5		
ANMO Albuquerque	80.19 51 P	P	P	04 54 01.9 +0.6	comp=Z,14nm,0.9s	ECH Echery	81.66 332 eP	P	04 54 07.9 -0.7	FLN La Foliniere	83.63 337 eP	P	04 54 18.4 -0.4		
ANMO Albuquerque	80.19 51 P	P	P	04 54 01.1 -0.2	comp=Z,14nm,0.9s	ECH Echery	81.66 332 eP	P	04 54 07.9 -0.7	FLN La Foliniere	83.63 337 eP	P	04 54 18.4 -0.4		
ANMO Albuquerque	80.19 51 eP	P	P	04 54 02.0 +0.8	comp=Z,14nm,0.9s	I41A Arkdale	81.70 36 P	P	04 54 08.7 -0.3	LKD2 Lefkada island	83.67 318 P	P	04 54 18.6 -0.7		
TASL Snake Pit Alb	80.19 51 P	P	P	04 54 01.0 -0.3	comp=Z,14nm,0.9s	I41A Arkdale	81.70 36 P	P	04 54 08.7 -0.3	LKD2 Lefkada island	83.67 318 P	P	04 54 18.6 -0.7		
J36A Seneca 1, Swea	80.29 39 P	P	P	04 54 00.8 -0.6	comp=Z,14nm,0.9s	DRME Dracevia, Mon	81.72 321 P	P	04 54 08.7 -0.3	O37A Longway Farm,	83.69 41 P	P	04 54 18.5 -0.8		
J36A Seneca 1, Swea	80.29 39 eP	P	P	04 54 01.3 -0.1	comp=Z,14nm,0.9s	E45A Wooded Hills,	81.74 31 P	P	04 54 08.6 -0.4	L43A Garden Prairie	83.70 36 P	P	04 54 18.7 -0.7		
OBKA Obir	80.29 327 eP	P	P	04 54 00.7 -0.7	comp=Z,26nm,1.0s	LIT Litokhoron	81.76 318 eP	P	04 54 09.8 -0.4	L43A Garden Prairie	83.70 36 P	P	04 54 18.7 -0.7		
KBA Koelnbreinsper	80.31 328 eP	P	P	04 54 01.9 +0.2	comp=Z,26nm,1.0s	LIT Litokhoron	81.76 318 eP	P	04 54 09.8 -0.4	EVGI Lefkada island	83.80 318 P	P	04 54 19.4 -0.5		
UCC Uccle	80.32 335 P	P	P	04 54 01.4 -0.4	comp=Z,26nm,1.0s	LIT Litokhoron	81.76 318 P	P	04 54 09.8 -0.4	O40A Sheffield	83.84 37 P	P	04 54 19.2 -0.8		
COWI Conover	80.37 34 eP	P	P	04 54 17.1 -2.6	comp=Z,26nm,1.0s	BUM Brajic-Budva	81.77 322 P	P	04 54 08.8 -0.6	M42A La Belle	83.94 39 P	P	04 54 20.6 0.0		
BCLA Clavier	80.39 334 P	P	P	04 54 01.2 -0.6	comp=Z,26nm,1.0s	FNA Florina	81.78 319 eP	P	04 54 08.8 -0.6	LAST Lasithi	83.95 313 P	P	04 54 20.8 0.0		
SRS Serrai	80.44 318 P	P	P	04 54 01.9 -0.4	comp=Z,26nm,1.0s	FNA Florina	81.78 319 eP	P	04 54 08.8 -0.6	LAST Lasithi	83.95 313 P	P	04 54 20.8 0.0		
SRS Serrai	80.44 318 P	P	P	04 54 01.9 -0.4	comp=Z,26nm,1.0s	OHR Ohrid	81.80 320 P	P	04 54 09.2 -0.3	FSK Fiskardo	83.97 318 P	P	04 54 19.9 -0.8		
STU Stuttgart	80.47 331 eP	P	P	04 54 02.1 -0.2	comp=Z,26nm,1.0s	OHR Ohrid	81.80 320 P	P	04 54 09.2 -0.3	O38A Cooks Store, C	84.03 41 P	P	04 54 20.7 -0.4		
STU Stuttgart	80.47 331 eP	P	P	04 54 02.1 -0.2	comp=Z,26nm,1.0s	H38A Oak Wood Farm,	81.85 39 P	P	04 54 08.8 -0.9	P39B Salsburg	84.03 40 P	P	04 54 20.8 -0.2		
STU Stuttgart	80.47 331 eP	P	P												

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes entries like O42A Bath, Q40A Laux Farm, ROSF Rostrenen, R39A Chumby Stover, S38A Stockton, O43A Sugar Creek Fa, M45A Boilermakers S, CUC Castrocucco, P42A Winchester, P42A Winchester, N44A Piper City, BWLO Walkerton, QUIF Quistinic, S39A Bolivar, S39A Bolivar, Q41A Truxton, CLWO Collinswood, PEMO Pembroke, T38A Diamond, R40A Maddies Statio, R40A Maddies Statio, TIP Tipagrange, TIP Tipagrange, SBF Sospel, PMOR Pomarioiree, TUL1 Leonard, TUL1 Leonard, N45A Kentland, M46A Old House Fiel, P43A Skaggs, Pawnee, VIVF Saint-Julien, O44A Mansfield, BANO Bancroft, Q42A Golden Eagle, TRQ Mont Tremblant, N46A Monticello, R41A Rosebud, S40A Lebanon, T39A Clever, O45A Potomac, AAM Ann Arbor, ABTX Abilene, Hawle, ABTX Abilene, Hawle, PLVO Plevna, PLVO Plevna, FRF La Foret Royal, TX31 Lajitas Ar. Si, TXAR Lajitas Array, CCM Cathedral Cave, CCM Cathedral Cave, CCM Cathedral Cave, ELFO Elginfield, SFIN Lafayette, SFIN Lafayette, Q43A New Douglas, R42A Luebbering, P44A Sand Creek, Wi, HHAR Hobbs, T40A Mansfield, ALFO Alfred, S41A Jilco Farms, PPT Papeete, PPT2 Papeete2, PPT2 Papeete2, DELO Deloro Mine, RJF Les Rejaudoux, U39A Green Field, TIAR Tiarei, Q44A Meyer Farm, Va, CAF Calviac, M49A Graceland, Par, P45A Graceland, Par, R43A Red Bud, S42A Caledonia, FVM French Village, FVM French Village, FVM French Village.

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes entries like TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, HPIG Waltonville, O47A Sheridan, T41A Mountain View, U40A Yellville, V39A Petreyer, P46A Rosedale, Q45A Warren Harvey, LFF LFF, R44A Waltonville, T42A Van Buren, T42A Van Buren, OLIL Olney, OLIL Fulton Ridge, S43A Farmland, O48A Farmland, W39A Magazine, V40A Witts Springs, V40A Witts Springs, U41A Viola, P47A Martinsville, LONY Lak Ozonia, PQI Presque Isle, R45A Sky Peak, S44A Carbondale, T43A Greenville, N50A Nevada, O49A Covington, U42A Revenden, V41A Mountainview, W40A Ferguson Farm, N50A Nevada, W40A Ferguson Farm, X39A Fountain Ranch, JCT Junction City, JCT Junction City, JCT Junction City, ERPA Erie, P48A Milroy, Q47A Bedord North L, S45A Carrier Mills, T44A Benton, R46A Gibon Southern, MIAR Mount Ida, MIAR Mount Ida, MIAR Mount Ida, MIAR Mount Ida, O50A Cable, WHAR Woolly Hollow, MTLF Montleou, MTLF Montleou, V42A Cot, P49A Miami Univ. Ec, U43A Recto, ALLY Alegheny Colle, ALLY North Vernon, Q48A North Vernon, W41B Gary Mavity, W41B Gary Mavity, PARMO Parma, ACSO Alum Creek Sta, ACSO Alum Creek Sta, S46A Don Dixon Farm, R47A Wooly Knot Far, X40A Moraine State, P50A Jamestown, M54A Oil Creek Stat, M54A Oil Creek Stat, Q49A Aurora, PKME Peaks-Kenny Pk, WCI Wyandotte Cave, WCI Wyandotte Cave, WCI Wyandotte Cave, WCI Wyandotte Cave, V43A Jonesboro, R48A Northridge Ran, X41A Kaden, Bauxite, T46A Princeton, N54A Moraine State, N54A Moraine State, U45A Rockin P Farm, R49A Shelbyville, Q50A Georgetown, S48A Wiedeman Farm, Z40A Long Farm, Mag.

Table with columns for call sign, name, frequency, power, mode, and coordinates. Includes entries like Q51A Peebles, T47A Sharon Grove, BINY Binghamton, U46A Springville, S49A Springfield, R50A Paris, T48A Bowling Green, SJPF Ste Jean, Y42A Garnett, Star, Y40A Cam and Jess, WVT Waverly, WVT Waverly, WVT Waverly, R51A Hillsboro, V46A Hollay, W45A Hickory Valley, T49A Edmonton, T49A Edmonton, S50A Richmond, U48A Cassie Pea, P, KSPA Keystone Colle, SSPA Standing Stone, SSPA Standing Stone, RPZ Red Peaks, V47A Nunnelly, O56A Blue Knob Stat, MCWV Mont Chateau, R52A Cattlettsburg, OXF Oxford, OXF Oxford, OXF Oxford, T50A Nancy, Y44A Strider, Char, U49A Red Boiling Sp, ATD Arta Tunnel, S51A Beattyville, S51A Beattyville, S51A Beattyville, S51A Beattyville, X45A UM Field Stati, V48A Smith Brothers, V48A Smith Brothers, HRV Adam Dzewonsk, PLAL Pickwick Lake, PLAL Pickwick Lake, S52A Salyersville, N59A State Game Lan, N59A State Game Lan, N59A State Game Lan, WES Weston, WES Weston, WES Weston, Y45A Yeager Farm, C, T51A Gray, Z44A Pea Ridge, Bel, U50A Jamestown, V49A McMinnville, W48A Pulaski, TBI Tubuai, X47A Russellville, Y46A Houston, T52A Halle, PAL Palisades, MVL Millersville, U51A La Follette, W49A Belvidere, TZTN Tazewell, TZTN Tazewell, TZTN Tazewell, V50A Pikeville, SWET Sevanee, X48A Hartselle, U52A Thorn Hill, Y47A UCPARC, Winfie, V51A Loudon, V51A Loudon, Z44A Avery Jackson, W50A Signal Mountai, W50A Signal Mountai, X49A Woodville, CPCT Cooper Cave, CPCT Cooper Cave, Y48A Jasper, U53A Fall Branch, V52A Sevierville, V52A Sevierville, TKL Tuckaleechee, TKL Tuckaleechee, TKL Tuckaleechee.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like TKL Tuckaleechee C, 146A Union, BLA Blacksburg, etc.

JMA 22 04:43:26.1±0.1, 22.58N, 121.66E, h32km, M3.6
TAP 22 04:43:26.4, 22.55N, 121.65E, h20km, ML3.6, C
ISC 22 04:43:24.5±1.1, 22.56N, 0.02±121.73E±0.02, h13km±9km,

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like TWH Lutao, TWH Lan-yu, LAY Lan-yu, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like TAW baz=265, TWF1 Yuli, TWF1 Yuli, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like WNT Mingjian, WNT Mingjian, WHF Hehuan Shan, etc.

22d 5h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SKAG Skagway, TKM2 Tokmak 2, KZA Kyzart, etc.

2012 JUL

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like RYN Ryan, MWC Mount Wilson, TIN Tinemaha, etc.

1096

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like DUG Dugway, Tooele, MCMT McKenzie Canyon, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CLL, GPP, Lm, MLR, AMS, etc.

SOME 22:05:54:18.2, 44.68N-82.13E, h5km
NCC 22:05:54:21.0, 44.4476N-82.03E, h0km, mb3.0, mpv2.6,
Error ellipse: s-maj=19.7km s-min=5.5km az=118.0

ISC 22:05:54:17.1, 44.4787N-82.22E, 0.09, h10km, n10,
c21564/20, 6C-2D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DJR, MK31, KAPS, MAKZ, etc.

ICD 22:05:59:58.2-0.0, 11.27N-126.39E, h0km, mb3.9/7,
mb1 4.0/7, mb1mx3.6/60, mbmtpp3.9/7, Error ellipse:
s-maj=195.3km s-min=18.2km az=66.0

ISC/JB 22:05:59:55.4, 1.5, 11.24N-105.126, 34E, 0.06,
h23km, 1.0km, mb3.9/7, Error ellipse: s-maj=9.9km
s-min=7.5km az=149.8

MAN 05:59:57.5, 11.24N-126.24E, h22km, mb4.9, ML3.8,
MS3.8

ISC 22:05:59:55.9, 2.6, 11.19N-105.126, 26E, 0.08, h12km, 16km,
n16, c1862/24, mb3.9/7, 2D, Philippe Islands region

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

SOME 22:06:02:15.2, 42.12N-83.27E, h5km
NCC 22:06:02:19.4, 4.5, 42.23N-82.99E, h0km, mb3.3, mpv2.9,
Error ellipse: s-maj=38.1km s-min=18.6km az=152.0

ISC 22:06:02:11.2-1.4, 41.9N-82.83E, 0.1, h10km, n7,
c2558/11, 5C-2D, Southern Xinjiang

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

4.3nm, 0.6s

ICD 22:06:07:13.3-0.7, 4.81S: 149.78E, h0km, mb4.1/14,
mb1 4.3/15, mb1mx4.1/42, mbmtpp4.1/15, ML2.4/1, MS3.7/16,
Ms1 3.7/16, ms1mx3.5/39, Error ellipse: s-maj=22.3km
s-min=12.9km az=94.0

NEIC 22:06:07:15.1, 0.5, 4.82S: 149.67E, h10km, mb4.6/2, Error
ellipse: s-maj=13.1km s-min=10.5km az=78.0

ISC/JB 22:06:07:18.8, 0.2, 4.14S: 149.70E, 0.08, h33km,
mb4.1/16, MS3.6/14, Error ellipse: s-maj=12.1km
s-min=8.2km az=13.3

ISC 22:06:07:18.8-0.6, 4.80S: 0.08, 149.8E, 0.1, h35km, n29,
c1553/21, mb4.2/16, MS3.6/14, Bismarck Sea

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GUN Gumba, EGAK Eagle, BVAR Borovoye, etc.

BUI 22:07:02.03.8, 5:57Sx150:24E, h5km, mb5.1/73, mB5.7/49, Ms5.4/82, Ms7.5/376
ISCJB 22:07:02.11.7, 0.2, 4.95S; 0.02x149:57E; 0.03, h16km, mb5.2/141, MSS.2/191, Error ellipse: s-maj=4.6km

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRKA Warakurna, WAKE Wake Island, FUNA Funafuti, etc.

QIZ	comp=Z,2um,23.5s	LR	LR						
QIZ	Qiongzong	45.89 302	PFAKE	LR	07 10 50.0	+14			
QIZ	comp=Z,2um,20.0s								
TJN	Taejon	46.13 335	i P	P	07 10 36.2	-0.9			
MYKOM	Kota Tinggi	46.26 277	eP	P	07 10 37.9	-0.7			
KSRS	Korea Array	46.82 336	P	P	07 10 40.3	-2.2			
KS15	Wonju Array Si	46.82 336	eP	P	07 10 41.9	-0.7			
KSAR	Wonju Array Be	46.82 336	P	P	07 10 40.3	-2.3			
KSAR	Wonju Array Be	46.82 336	P	P	07 10 40.3	-2.3			
KS01	Wonju Array Si	46.85 336	eP	P	07 10 41.2	-1.6			
NJ2	Nanjing	47.07 324	eP	P	07 10 43.8	-0.8			
NJ2			sP	P	07 10 48.8	-2.7			
NJ2			S	S	07 17 37.1	+1.6			
NJ2	comp=Z,20nm,0.6s								
NJ2									
NJ2	comp=Z,450nm,4.3s								
NJ2	comp=Z,2um,19.0s								
NJ2	comp=Z,3um,19.0s								
NJ2	comp=Z,3um,22.2s								
ERM	Erimo	47.14 353	eP	P	07 10 44.2	-0.7			
ERM	comp=Z,38nm,0.9s								
ERM	comp=Z,3um,21.0s								
ERM	Erimo	47.14 353	i P	P	07 10 44.9	0.0			
ERM	comp=Z,71nm,1.2s								
INCN	Inchon	47.38 335	eP	P	07 10 45.4	-1.5			
INCN	comp=Z,287nm,1.4s								
INCN	comp=Z,4um,21.0s								
INCN	Inchon	47.38 335	eP	P	07 10 45.4	-1.5			
INCN	comp=Z,287nm,1.4s								
INCN									
WHN	Wuhan	48.87 319	P	P	07 11 02.6	+4.1			
WHN			S	S	07 17 57.6	-3.4			
WHN			S	S					
WHN	comp=Z,350nm,1.6s								
WHN	comp=Z,2um,11.0s								
WHN	comp=Z,10um,22.5s								
WHN	comp=Z,6um,19.6s								
ASAJ	Asahikawa	49.28 353	P	P	07 11 00.6	-0.8			
ASAJ	comp=Z,39nm,1.0s,baz=210,slow=14,SNR=14								
ASAJ	Asahikawa	49.28 353	eP	P	07 11 00.7	-0.7			
ASAJ	comp=Z,94nm,1.2s								
IPM	Ipo	49.48 280	eP	P	07 11 01.3	-2.3			
KULM	Kulim	50.00 281	eP	P	07 11 04.5	-3.0			
KULM	comp=Z,117nm,1.5s								
KULM	Kulim	50.00 281	P	P	07 11 07.0	-0.5			
KUR	Kuril'sk	50.01 358	i P	P	07 11 10.4	+3.4			
KUR			S	S	07 18 20.8	+4.3			
KUR			e	e	07 20 55.8				
KUR	comp=N,86nm,1.5s								
KUR									
KUR	comp=Z,223nm,1.5s								
KUR	comp=E,77nm,1.3s								
KUR	comp=Z,1um,4.1s								
KUR	comp=E,564nm,13.0s								
KUR									
SKNT	Sakolnakhorn	50.12 297	P	P	07 11 07.7	-0.7			
SKNT	comp=Z,30nm,1.0s								
MSHR	Mys Shults	50.23 342	i P	P	07 11 10.6	+1.9			
SKLT	Songkhla	50.41 283	P	P	07 11 11.7	+1.1			
DL2	Dalian	50.78 332	P	P	07 11 11.6	-1.4			
DL2			S	S	07 18 29.8	+2.2			
DL2			ScS	ScS	07 21 02.8	+0.2			
DL2	comp=Z,150nm,1.1s								
DL2	comp=Z,1um,21.5s								
DL2	comp=Z,2um,18.3s								
DL2	comp=Z,3um,21.3s								
SRAK	Srakaew	50.87 292	P	P	07 11 17.9	+3.9			
SRAK	comp=Z,35nm,1.0s,comp=Z,1um								
KHON	Khomkaen	50.93 296	P	P	07 11 18.9	+4.4			
KHON	comp=Z,11nm,0.8s,comp=Z,488nm								
TIA	Tai'an	51.05 326	P	P	07 11 13.8	-1.3			
TIA			S	S	07 18 31.1	-0.4			
TIA			S	S					
TIA	comp=Z,47nm,1.6s								
TIA	comp=Z,560nm,3.0s								
TIA	comp=Z,2um,18.1s								
TIA	comp=Z,2um,19.2s								
PSI	Prapat	51.27 278	eP	P	07 11 15.2	-2.1			
PSI	comp=Z,30nm,1.2s								
PSI	Prapat	51.27 278	eP	P	07 11 15.2	-2.1			
PSI									
TRTT	Trang	51.45 284	P	P	07 11 18.7	+0.3			
TRTT	comp=Z,23nm,1.8s								
USRK	Ussuriysk Ar.	51.47 344	P	P	07 11 17.7	-0.3			
USRK	comp=Z,6.1nm,0.6s,baz=188,slow=4.8								
CHAI	Chaiyaphum	51.54 295	P	P	07 11 19.4	+0.4			
CHAI	comp=Z,3um,21.9s,baz=143,slow=33								
RAR	Rarotonga	51.58 113	LR	LR	07 30 36.9				
RAR	comp=Z,6.6nm,1.1s,comp=Z,172nm								
ENH	Enshi	52.02 315	eP	P	07 11 21.7	-0.8			
ENH	comp=Z,201nm,1.8s								
ENH									
GYA	Guiyang	52.05 309	i P	P	07 11 23.0	+0.2			
GYA			PP	PP	07 13 22.8	+1.6			
GYA			S	S	07 18 44.4	-1.3			
GYA			S	S					
GYA	comp=Z,30nm,1.0s								
GYA	comp=Z,140nm,5.8s								
GYA	comp=Z,810nm,18.4s								
GYA	comp=Z,720nm,18.0s								
GYA	comp=Z,750nm,18.1s								
YSS	Yuzh-Sakhalins	52.06 354	eP	P	07 11 21.6	-0.8			
YSS	comp=Z,24nm,0.8s								
YSS	comp=Z,1um,20.0s								
YSS	Yuzh-Sakhalins	52.06 354	eP	P	07 11 21.7	-0.7			
YSS			eSP	eSP	07 11 35.6	+3.5			
YSS			eS	eS	07 18 44.5	-0.4			
YSS			eSS	eSS	07 22 23.7	+1.2			
YSS	comp=Z,840nm,3.5s								
YSS	comp=E,670nm,6.1s								
YSS									
GSI	Gunungsitoli	52.40 275	eP	P	07 11 23.3	-2.3			
GSI	comp=Z,79nm,1.0s								
MDJ	Mudanjiang	52.55 342	P	P	07 11 26.1	0.0			
MDJ			pP	pP	07 11 31.3	-1.8			
MDJ			sP	sP	07 11 33.3	-2.5			
MDJ			PP	PP	07 13 24.1	-1.2			
MDJ			S	S	07 18 51.9	+0.1			
MDJ			ScS	ScS	07 21 16.3	+1.6			

MDJ	comp=N,26nm,1.1s								
MDJ	comp=N,750nm,3.5s								
MDJ	comp=N,1um,24.7s								
MDJ	comp=N,2um,23.9s								
MDJ	comp=N,5um,26.3s								
MDJ	Mudanjiang	52.55 342	PFAKE	LR	07 11 40.0	+14			
COCO	comp=Z,2um,22.0s								
COCO	West Island	52.65 259	PFAKE	LR	07 11 40.0	+13			
COCO	comp=Z,3um,22.0s								
PBKT	Sadao Pong	52.68 295	eP	P	07 11 28.1	+0.6			
PBKT	comp=Z,32nm,2.1s,comp=Z,1um								
CN2	Changchun	53.24 338	P	P	07 11 29.4	-1.8			
CN2			epP	epP	07 11 33.9	-4.3			
CN2			sP	sP	07 11 36.4	-4.5			
CN2			eS	eS	07 18 58.3	-2.8			
CN2	comp=Z,10.0nm,1.5s								
CN2	comp=Z,200nm,3.0s								
CN2	comp=Z,1um,19.0s								
CN2	comp=Z,1um,19.0s								
CN2	comp=Z,1um,19.0s								
PHIT	comp=Z,2um,20.0s								
PHIT	Phitsanulok	53.39 296	P	P	07 11 33.9	+1.2			
SRDT	comp=Z,18nm,0.9s,comp=Z,944nm								
SRDT	SRDT	53.67 292	P	P	07 11 36.1	+1.3			
SRDT	comp=Z,55nm,1.3s								
SUKH	Sukhothai	54.19 296	P	P	07 11 39.6	+1.0			
SUKH	comp=Z,7.8nm,1.2s								
BJT	Baijiatau	54.35 329	eP	P	07 11 37.2	-2.1			
BJT	comp=Z,223nm,1.9s								
BJT			ePP	ePP	07 13 37.4	-4.2			
BJT			LR	LR					
BJT	comp=Z,3um,20.0s								
BJT	Baijiatau	54.35 329	eP	P	07 11 37.2	-2.1			
BJT			e	e	07 13 37.4				
BJT									
BJT	comp=Z,223nm,1.9s								
BJT	comp=Z,3um,20.0s								
BJI	Beijing	54.36 329	i P	P	07 11 39.5	+0.1			
BJI			S	S	07 19 17.4	+1.0			
BJI			S	S					
BJI	comp=Z,72nm,1.9s								
BJI	comp=Z,1um,3.1s								
BJI	comp=Z,4um,16.1s								
BJI	comp=Z,2um,13.3s								
KMI	Kunming	54.52 306	P	P	07 11 40.6	-0.6			
KMI	comp=Z,4um,33.2s								
KMI			pP	pP	07 11 46.0	-2.2			
KMI			sP	sP	07 11 47.1	-3.8			
KMI			S	S	07 19 20.8	+1.2			
KMI			sS	sS	07 19 30.4	+0.7			
KMI			SS	SS	07 23 02.9	+0.4			
KMI	comp=Z,24nm,1.3s								
KMI	comp=Z,320nm,4.5s								
KMI	comp=Z,780nm,13.0s								
KMI	comp=Z,1um,20.4s								
KMI	comp=Z,2um,20.4s								
XAN	Xi'an	54.63 318	P	P	07 11 40.1	-1.5			
XAN			pP	pP	07 11 44.8				

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like YAK, RAMN, TLY, TLY, TLY, TLY, IRK, IRK, BOD, BOD, JIRN, GUN, TAO, GAO, PKIN, PALK, MOY, MOY, KKN, DMN, GKN, KOLN, DANN, PYUN, MIR, MIR, MIR, MIR, Vnda, Vnda, Vnda, SBA, SBA, SBA, SBA, HYB, WMQ, WMQ, WMQ, WMQ, RKT, RKT, DGZ, DGZ, ZSN, ZSN, ZSN, TIXI, TIXI, TIXI, TIXI, KDKA, KDKA, MKAR, MKAR, MKAR, SHLS, UZB, ZALV, ZALV, KPKS, KPKS, SATY, SATY, ZHN, KSH, KSH, KSH, KSH, KSH, KSH, KSH, KSH, NVS, NVS, NVS, NVS, MDOK, MDOK, MDOK, MDOK.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like SEM, ULHL, NIL, NIL, NIL, NIL, KUU, KUU, TKM2, KZA, KURK, KURK, KURK, KURK, KURB, CHMS, FRU, FRU, AAK, AAK, USP, AML, EKS2, BTLS, BTLS, ILAR, ILAR, MAW, MAW, MAW, MAW, DZA, QSPA, QSPA, BRZS, BRZS, BRZS, BRZS, IUG, IUG, EGA, EGA, CHM, CHM, CHM, WRAK, WRAK, BVAO, BVAO, BVAO, BVAO, BRVK, BRVK, BRVK, BRVK, INK, NLWA, NLWA, YBH, SYO, SYO, SYO, AB31, AB31, MISEY, HAWA, HAWA, GEYT, GEYT, WWOR, NVAR, ARU, ARU, ARU, ARU, ARU, ARU, ARU, ARU, AKTO, AKTO, AKTO, AKTO, BMO, BMO, PFO, PFO, YKA, YKA, RPN, RPN, HLID, HLID, DUG, DUG, DUG, DUG, NVL, NVL, NVL, NVL, NVL, NVL, NVL, NVL.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like NVL, BOZ, BOZ, HWUT, HWUT, ABPO, ABPO, AHID, AHID, WUAZ, WUAZ, LKWY, LKWY, TUC, TUC, EGMT, EGMT, BW06, BW06, PDAR, PDAR, RLMT, RLMT, MVCO, MVCO, KBS, KBS, LAO, LAO, KLMR, KLMR, KLMR, KLMR, ANMO, ANMO, ANMO, ANMO, DGMT, DGMT, APA, APA, ISCO, ISCO, GNI, GNI, SDCO, SDCO, RAYN, RAYN, MNTX, MNTX, KEV, KEV, KIV, KIV, OGNE, OGNE, OBN, OBN, CBKS, CBKS, AGMN, AGMN, JCT, JCT, ECSD, ECSD, WMOK, WMOK, KSU1, KSU1, KVTX, KVTX, EYMN, EYMN, KIEV, KIEV, KIEV, SCIA, SCIA, ANTO, ANTO, KIS, KIS, KIS, KIS, NATX, NATX, MIAR, MIAR, COWI, COWI, JFWS, JFWS, SFJD, SFJD, LSZ, LSZ, MBAR, MBAR, OKC, OKC, OKC, PAYG, PAYG, AAM, AAM, DPC, DPC, DPC, DPC, UPC, UPC, UPC, UPC, BRAL, BRAL, BRAL, BRAL.

Main table containing astronomical data for 2012 July, listing various celestial objects (e.g., EREN, OREN, PTK, TOKA, etc.) with their coordinates, magnitudes, and other parameters. The table is organized in columns and rows, with some entries having multiple lines of data.

22d 9h

Table with columns for station call letters, station name, frequency, power, and time. Includes stations like Grafenberg Arr, Grafenberg, Grafenberg, etc.

2012 JUL

Table with columns for station call letters, station name, frequency, power, and time. Includes stations like Les Rejaudoux, La Frestale, Manas, etc.

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Table with columns for station call letters, station name, frequency, power, and time. Includes stations like Eskdalemarir, Saty, Zhn, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like H39A Augusta, J42A Columbus, F36A Milaca, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like S42A Caledonia, Q39A Willow Grove F, W47A Westpoint, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like AMT comp=E,177um,0.4s, AMT Artemida-Makis, DYR Agios Nikonas, etc.

CSEM 22 09:26:08 6.37 16N-22.04E, h21km, ML1 2/4
ATH 22 09:26:08 6.37 16N-22.04E, h21km, ML1 2/4, Error ellipse: s-maj=5.3km s-min=1.0km az=252.0, Southern Greece

IDC 22 09:30:15.8z.1.9, 17:30S:178:65W, h521km, mb3.4/8, mb1 3.6/10, mb1mx3.2/43, mbtmp4.4/10, Error ellipse: s-maj=26.6km s-min=14.2km az=155.0, ISCJB 22 09:30:17.6z.0.9, 17:35S:178:8W, 0.2, h55km, mb4.0/9, Error ellipse: s-maj=32.2km s-min=15.6km az=155.5, ISC 22 09:30:17.2z.0.7, 17:25S:178:6W, 0.1, h550km, n14, c1844/16, mb4.4/9, Fiji Islands region

IDC 22 09:39:09.1z.0.6, 2:60N-95:86E, h0km, mb4.5/33, mb1 4.5/34, mb1mx3.7/72, mbtmp4.5/34, ML4.8/1, MS4.0/19, MB1 4.0/19, ms1mx3.6/67, Error ellipse: s-maj=18.6km s-min=11.9km az=40.0, BUJ 22 09:39:10.6z.2:47N-95:90E, h28km, mb5.0/55, MB5.0/36, Ms4.6/38, Ms7 4.3/38, DJA 22 09:39:11.4z.0.7, 3:1N-3:9'E, h18km, 4km, M5.0/13, mb5.1/7, mB5.4/5, MLv5.1/13, Mw(m)B4.9/5, NEIC 22 09:39:12.8z.1.6, 2:62N-95:85E, h22km, 11km, mb4.9/36, Error ellipse: s-maj=7.7km s-min=3.6km az=54.0, Error ellipse: s-maj=7.7km s-min=3.6km az=54.0, ISCJB 22 09:39:13.0z.0.6, 2:61N:0.0:93E, 85E:0.04, h39km, 4km, mb4.8/90, MS4.2/32, Error ellipse: s-maj=7.1km s-min=3.9km az=145.2, MOS 22 09:39:13.5z.0.9, 2:63N-95:92E, h41km, mb5.1/41, Error ellipse: s-maj=10.0km s-min=5.3km az=105.7, KLM 22 09:39:14.0z.2:70N-95:72E, h51km, mb4.9, ISC 22 09:39:15.0z.2.54N:0.0:93E, 85E:0.05, h47km, 6gkm, n328, c1553/338, mb4.9/96, MS4.2/32, 14C-2D, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Code Station Name, Snsi Sinabang, Aceh, TPTI South Pole Qui, etc.

Table with columns: YAK, comp, E, Az, m, s, pmax, pmax, etc. Lists various astronomical observations and their parameters.

Table with columns: MNTX, U47A, TXAR, Y46A, JCT, JCT, JCT, HP1G, Z47A, Z52A, 241A, 242A, VBMS, 149A, 152A, 22P, 24P, 151A, 245A, 341A, 341A, 342A, 251A, 249A, 253A, 253A, 250A, 250A, 344A, 252A, 255A, 254A, 346A, 346A, 833A, 832A, 352A, 350A, 349A, TIGA, 356A, 355A, 353A, 351A, BRAL, 831A, 453A, 455A, 451A, 555A, 555A, 656A, LNIG, etc. Lists astronomical observations with detailed coordinates and parameters.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, etc. Lists astronomical observations with station names and detailed parameters.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like MLR Muntele Rosu, TESR Tescani, VOIR VOIR, DOPR Dopca, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like OJC Ojcow, MK01 Makanchi Array, MORC Moravsky Berou, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like DAVOX Davos/Dischmat, DAVA Dava's, SENIN Lac Senin/Sane, etc.

Table with columns: ID, Name, Az, El, P, M, Time, Res. Includes stations like DBIC, KIC, LIC, etc.

IDC 22 10:21:12.6:2.0, 2.55N-95.83E, h0km, mb3.7/6, mb1 3.9/7, mb1mx3.5/64, mbtmp3.7/7, ML4.4/1, Error ellipse: s-maj=83.9km s-min=20.1km az=58.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like CMAR, H0S2, H0S3, etc.

SOME 22 10:31:43.2, 43.50N-81.90E, h5km NNC 22 10:31:43.9:2.1, 43.18N-82.09E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=22.1km s-min=9.7km az=147.0

ISC 22 10:31:44.5:2.4, 43.29N-0.09-81.89E, 0.09, h12km, 12km, n13, c263/25, 4C-4D, Northern Xinjiang

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

Main table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like CHKK, MTO3, LLGN, UNIC, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like Y47A, Z53A, Y48A, etc.

22d 10h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like U50A Jamestown, PBMO Poplar Bluff, U51A La Follette, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like IP07 Quail, P38A Dawn, P38A Dawn, etc.

1116

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SUSD Miller, LDFC Landfair, TRY Tro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SONSECA Array, MDT Midelt, KOWA Kowa, KOWA Kowa, NOA NORSTAR Array B, etc.

GUC 22 10:49:53.6:0.4, 23°53'S-66°85'W, h180km, 26km, ML3.7, 6C-10, Jujuy Province

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

IDC 22 10:55:46.5:3.3, 4.75S-145°52'E, h163km, 96km, mb3.5/7, mb1 3.5/9, mb1mx3.6/46, mbtmp3.9/9, MS2.6/1, Ms1 2.6/1, ms1mx2.3/30, Error ellipse: s-maj=32.0km s-min=22.9km az=110.0, Near north coast of New Guinea

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

IDC 22 10:57:16.6:4.1, 1.90S:138°05'E, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.6/46, mbtmp3.9/9, MS3.6/1, Ms1 2.6/1, Error ellipse: s-maj=188.9km s-min=23.5km az=85.0, Near north coast of Irian Jaya

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

IDC 22 11:04:23.7:26.0, 19.51S:173°04'W, h0km, mb4.1/4, mb1 4.2/4, mb1mx3.6/46, mbtmp4.1/4, MS3.6/1, Ms1 3.5/1, ms1mx2.5/44, Error ellipse: s-maj=149.7km s-min=163.2km az=75.0, Tonga Islands

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

MEX 22 11:07:14.7:0.7, 17.54N:102°44'W, h16km, 15km, MD3.8, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZIIG Zihuataonejo, MMIG Aquila, ARIG Puente Sto Nin, etc.

IDC 22 11:11:38.1:3.5, 29°09'N:138°18'E, h406km, 96km, mb2.5/4,

mb1 2.8/8, mb1mx2.6/62, mbtmp3.6/8, Error ellipse: s-maj=185.1km s-min=14.9km az=68.0, JMA 22 11:11:39.4:0.1, 29°49'N:139°48'E, h464km, M3.6, ISC 22 11:11:38.5:0.9, 29°36'N:139°36'E, 0.2, h445km, n20, r190°27', mb2.8/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chichi jima, Chichijima, Hachijo jima 2, etc.

BUI 22 11:20:01.0, 13°10'N:50°10'E, h10km, mb4.7/28, mb5.1/22, Ms4.5/8, Ms7 4.2/4, IDC 22 11:20:02.4:0.5, 13°17'N:50°11'E, h0km, mb4.3/31, MS3.7/10, mb1 4.4/32, mb1mx4.3/64, mbtmp4.3/32, ML4.3/1, MS3.7/10, Ms1 3.7/10, ms1mx3.4/30, Error ellipse: s-maj=17.5km s-min=12.6km az=175.0, MOS 22 11:20:02.1:1.2, 13°18'N:50°16'E, h10km, mb5.0/54, Error ellipse: s-maj=9.5km s-min=4.1km az=109.9, ISCJB 22 11:20:02.0:4.0, 13°07'N:05°50'04"E, 0.03, h15km, mb4.6/125, MS3.7/9, Error ellipse: s-maj=7.5km s-min=4.5km az=4.2, NEIC 22 11:20:03.6:0.3, 13°13'N:50°08'E, h10km, mb4.8/39, Error ellipse: s-maj=6.4km s-min=5.0km az=187.0, CSEM 22 11:20:03.8:0.2, 13°12'N:50°05'E, h10km, mb4.7/63, Error ellipse: s-maj=8.6km s-min=6.3km az=3.0, DHMR 22 11:20:05.9:2.2, 13°39'N:49°58'E, h11km, mb4.240km, ML4.1, ISC 22 11:20:04.1:0.8, 13°20'N:07°49'38"E, 0.05, h12km, 4km, n31.2, r158°31'6, mb4.6/125, MS3.6/9, 36C-18D, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AI Mukalla, AI Mukalla, AI Mukalla, AI Mukalla, BDHA AI Bayda, etc.

IDC 22 11:20:05.9:2.2, 13°39'N:49°58'E, h11km, mb4.240km, ML4.1, ISC 22 11:20:04.1:0.8, 13°20'N:07°49'38"E, 0.05, h12km, 4km, n31.2, r158°31'6, mb4.6/125, MS3.6/9, 36C-18D, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AI Mukalla, AI Mukalla, AI Mukalla, AI Mukalla, BDHA AI Bayda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APE Apeiranthos, SFK Sufi-Kurgan, ALN Alexandropoulos, etc.

22d 11h

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MKAR, OBNS, ARU, etc.

2012 JUL

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BOSA, KLMR, PRGR, etc.

1118

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like HHC, BJI, NJ2, etc.

ISCJB 22 11:21:11.6:0.8 13:2N:0.1:50:03E:0.10 h10km, mb3.9/12, Error ellipse: s-maj=19.4km s-min=13.3km az=168.8

ISC 22 11:21:12.0:1.0 13:24N:50:07E, h0km, mb3.9/12, mb1.4/1.13, mb1mx3.8/67, mbtmp3.9/13, ML4.2/1, Error ellipse: s-maj=25.3km s-min=19.0km az=11.0

ISC 22 11:21:13.5:0.9 13:2N:0.2:50:10E:0.1, h10km, n15, o#62/15, mb3.9/12, Eastern Gulf of Aden

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like ATD, GEYT, BRTR, etc.

ISCJB 22 11:28:29.7:0.9 39:87N:0:04:142:3E:0.1, h54km, 7km, mb3.5/5, Error ellipse: s-maj=15.4km s-min=6.5km az=9.0

JMA 22 11:28:31.3:0.1 39:84N:142:28E, h43km, 1km, M3.3, IDC 22 11:28:34.1:1.8 40:05N:142:28E, h90km, 19km, mb3.2/5, mb1.3/5.7, mb1mx3.2/67, mbtmp3.7/7, MS2.5/1, Ms1 2.5/1, ms1mx1.9/24, Error ellipse: s-maj=33.7km s-min=13.5km az=93.0

ISC 22 11:28:30.6:1.3 39:87N:0:04:142:3E:0.1, h47km, 9km, n23, #136/23, mb3.5/5, Near east coast of eastern

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like JTH, MIYJ, KUZUMI, etc.

22d 13h

NWC 22 12:37:16.6±2.2, 40°16'N-71°92'E, h8km±17km, mb3.7, mpv3.3, Error ellipse: s-maj=18.6km s-min=6.2km az=34.0

ISC 22 12:37:14.6±1.3, 40°18'N-0.04°71°88'E±0.03, h133km±12km, n21,±1531/39, 18C-10Z, Tajikistan

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

ISC 22 13:00:12.9±2.7, 8°02'S-111°09'E, h0km, mb4.0/6, mb1.4/1.6, mb1mx3.7/5.4, mbtmp4.0/6, MS3.7/2, Ms1.3/7.2, ms1mx2.7/5.1, Error ellipse: s-maj=145.7km s-min=18.3km az=53.0

ISCJB 22 13:00:31.0±0.5, 8°25'S-111°11'E±0.04, h147km±5km, mb3.9/6, Error ellipse: s-maj=17.5km s-min=5.5km az=9.4

DJA 22 13:00:32.6±0.4, 8°56'S-111°11'E±0.04, h133km±3km, M3.7/1.6, mb4.1/3, ML3.6/1.6

ISC 22 13:00:31.1±0.8, 8°14'S-109°11'E±0.04, h153km±6km, n24, ±1562/32, mb4.0/6, Jawa

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

ISCJB 22 13:02:22.0±1.3, 31°40'N-104°11'E±2.7W, h10km, ML3.2(PAS), MEX 22 13:02:22.0±3.8, 31°24'N-114°10'W, h20km, MD4.0

ECX 22 13:02:22.0±3.3, 31°35'N-114°27'W, h10km, MD3.3, ML3.5

ISC 22 13:02:20.7±1.4, 31°34'N-0.05°114°30'W±0.04, h14km±11km, n53, ±1563/66, 3D, Gulf of California

2012 JUL

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

ISC 22 13:11:44.6±5.0, 24°26'S-177°77'W, h0km, mb4.3/4, mb1.4/4.4, mb1mx3.7/4.2, mbtmp4.3/4, Error ellipse: s-maj=135.6km s-min=84.1km az=152.0, South of Islands

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

ISC 22 13:36:58.7±0.7, 14°93'S-167°36'E, h125km±5km, mb4.6/3/1, mb1.4/6/3, mb1mx4.6/4.5, mbtmp5.0/3.3, MS3.6/1.7, Ms1.3/6.1/7, ms1mx3.4/4.0, Error ellipse: s-maj=10.4km s-min=8.7km az=72.0

NEIC 22 13:36:58.4±0.1, 14°86'S-167°37'E, mb4.8/8/6, Error ellipse: s-maj=4.1km s-min=3.4km az=115.0

GCMT 22 13:36:58.4±0.3, 14°86'S-167°17'E, h127km±2km, MW5.0/87, Moment Tensor Solution, s35:c37; s87:c127; Duration: 0. Moment/tensor: Scale: 1016nm; Mr2:95; 10; Ms:1.12±.12; Mw:3.50±.11; Mw-1.67±.09; Mw-1.6±.14; Ms-0.39±.10; Best double couple: M3.54600x1016

NP1±212.00000°, ±58.00000°, ±131.00000°. NP2: ±333.00000°, ±850.00000°, ±A3.00000°. Principal axes: T 3.5490, Plg56.0000°, Azm177.0000°; N 0.0040, Plg34.0000°, Azm7.0000°; P -3.5430, Plg5.0000°, Azm274.0000°. nst1 refers to surface waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

BUI 22 13:36:58.8, 14°36'S-167°50'E, h127km, mb4.8/3/6, mb4.9/3/0

WEL 22 13:36:58.0, 14°86'S-167°37'E, h128km

ISCJB 22 13:36:59.8±1.1, 14°88'S-0.03°167°31'E±0.03, h150km±10km, mb4.7/1/31, Error ellipse: s-maj=5.2km s-min=4.2km az=38.0

MOS 22 13:36:59.4±1.0, 14°84'S-167°32'E, h143km, mb4.8/2/9, Error ellipse: s-maj=9.0km s-min=8.4km az=9.1

ISC 22 13:36:58.6±0.6, 14°87'S-0.05°167°37'E±0.05, h127km±5km, n385, ±1519/391, mb4.8/1/31, 8C-6D, Vanuatu Islands

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

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

ISC 22 13:44:44.6±5.0, 24°26'S-177°77'W, h0km, mb4.3/4, mb1.4/4.4, mb1mx3.7/4.2, mbtmp4.3/4, Error ellipse: s-maj=135.6km s-min=84.1km az=152.0, South of Islands

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

ISC 22 13:36:58.7±0.7, 14°93'S-167°36'E, h125km±5km, mb4.6/3/1, mb1.4/6/3, mb1mx4.6/4.5, mbtmp5.0/3.3, MS3.6/1.7, Ms1.3/6.1/7, ms1mx3.4/4.0, Error ellipse: s-maj=10.4km s-min=8.7km az=72.0

NEIC 22 13:36:58.4±0.1, 14°86'S-167°37'E, mb4.8/8/6, Error ellipse: s-maj=4.1km s-min=3.4km az=115.0

GCMT 22 13:36:58.4±0.3, 14°86'S-167°17'E, h127km±2km, MW5.0/87, Moment Tensor Solution, s35:c37; s87:c127; Duration: 0. Moment/tensor: Scale: 1016nm; Mr2:95; 10; Ms:1.12±.12; Mw:3.50±.11; Mw-1.67±.09; Mw-1.6±.14; Ms-0.39±.10; Best double couple: M3.54600x1016

NP1±212.00000°, ±58.00000°, ±131.00000°. NP2: ±333.00000°, ±850.00000°, ±A3.00000°. Principal axes: T 3.5490, Plg56.0000°, Azm177.0000°; N 0.0040, Plg34.0000°, Azm7.0000°; P -3.5430, Plg5.0000°, Azm274.0000°. nst1 refers to surface waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

BUI 22 13:36:58.8, 14°36'S-167°50'E, h127km, mb4.8/3/6, mb4.9/3/0

WEL 22 13:36:58.0, 14°86'S-167°37'E, h128km

ISCJB 22 13:36:59.8±1.1, 14°88'S-0.03°167°31'E±0.03, h150km±10km, mb4.7/1/31, Error ellipse: s-maj=5.2km s-min=4.2km az=38.0

MOS 22 13:36:59.4±1.0, 14°84'S-167°32'E, h143km, mb4.8/2/9, Error ellipse: s-maj=9.0km s-min=8.4km az=9.1

ISC 22 13:36:58.6±0.6, 14°87'S-0.05°167°37'E±0.05, h127km±5km, n385, ±1519/391, mb4.8/1/31, 8C-6D, Vanuatu Islands

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

mb1 4.3/7, mb1mx4.0/40, mbtmp4.2/7, ML3.8/1, MS3.6/2, M1 3.6/2, ms1mx2.8/39, Error ellipse: s-maj=28.9km s-min=24.5km az=177.0

ISC 22 14:34:28.5.3.5, 37.90S, 0.077-179.72W, h0km, h3km, 2.1km, n9, n14, n19, mb4.2/6, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Table with columns: APC, Station Name, Time, Res, ISC. Lists stations like Apacha, Petropavlovsk, Dalk, Uglu, etc.

ISC 22 14:56:43.0.1.5, 13.25N, 48.95E, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.4/59, mbtmp3.7/5, ML3.8/1, MS2.9/2, M1 2.8/2, ms1mx2.4/53, Error ellipse: s-maj=46.4km s-min=33.1km az=134.0

DHMR 22 14:56:51.2.4.1, 13.44N, 49.65E, h20km, h3km, ML3.3 ISC 22 14:56:44.2.1.2, 13.03N, 49.09E, h0km, h10km, n13, c13577, mb3.6/4, Easten Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Mukul, BDHA, LBOB, etc.

WEL 22 15:03:04.0.38'S.8.18'0W, h33km, ML4.3/25, IDC 22 15:03:03.4.2.3, 7.64S, 179.95E, h0km, mb4.1/2, mb1 4.3/4, mb1mx3.8/41, mbtmp4.1/4, ML3.6/2, Error ellipse: s-maj=74.1km s-min=28.7km az=150.0

NEIC 22 15:03:04.8.0.0.3, 7.57S, 179.67W, h40km, mb3.9/1, ISC 22 15:03:01.4.2.3, 3.58S, 0.077-179.70W, h0km, h7km, 1.2km, n87, c140/107, mb4.0/3, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

URZ Urewera 2.52 261 Pn Sn 14 38 14.5 -7.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

KRSC 22 14:41:46.8.1.3, 49.16N, 157.18E, h30km, 2.2km, ML3.8, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Table with columns: RVAZ, Station Name, Time, Res, ISC. Lists stations like Riverhead Bore, Mangatainoka R, MRZ, etc.

ASAR Alice Springs 41.87 276 P P 15 10 52.9 +0.8

WRAB Tennant Creek 43.51 281 eP P 15 11 06.5 +1.2

WRA Warramunga Arr 43.51 281 P P 15 11 05.8 +0.4

ARCES ARCES Array B 145.31 345 PKPbc PKPpdf 15 11 25.1 +3.0

FINES FINESS Array B 151.29 334 PKPbc PKPab 15 22 57.3 -5.2

MEX 22 15:07:26.0.43.0, 25.07N, 99.06W, h20km, 999km, MD3.6, Northern Mexico

LNIG Linares 0.41 246 eP S 15 07 33.9 -1.0

MEX 22 15:11:16.3.0.3, 16.49N, 98.49W, h20km, 25km, MD3.5, Near coast of Guerrero

PNIG Pinotepa 0.36 105 Op P 15 11 22.8 -1.2

TLIG Tlapa 1.07 356 eS S 15 11 28.0 -3.3

WEL 22 15:17:17.5.38'S.9.18'0W, h33km, ML3.6/20, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

SKO 22 15:26:50.3.40.94N, 19.89E, h0km, M1.9, ML2.3, ATH 22 15:26:52.0.41.10N, 20.08E, h23km, 1km, ML2.3/9, Error ellipse: s-maj=2.4km s-min=1.0km az=42.0

CSEM 22 15:26:53.8.0.2, 40.95N, 20.11E, h2km, 9.9, Error ellipse: s-maj=4.4km s-min=3.0km az=84.0

THE 22 15:26:53.4.41.02N, 20.15E, h4km, ML2.3/6, Error ellipse: s-maj=2.1km s-min=1.0km az=145.0

TJR 22 15:26:53.8.0.4, 40.96N, 20.18E, h10km, M2.4/5, BEO 22 15:26:55.6.0.4, 40.97N, 20.22E, h5km, 4km, ML2.4/5

ISC 22 15:26:53.9.1.1, 40.95N, 20.02E, h2km, 10km, n92, c134/148, Greece-Albania border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

22d 16h

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like NEM2, GLVR Golovnino, GLVR 20nm,0.3s, etc.

MOS 22:16:25:38.0.1.2,3,49.99N;156.92E,h49km,mb4.1/1, Error ellipse: s-maj=37.0km s-min=5.1km az=79.8

KRSC 22:16:25:38.0.1.9,49.99N;156.92E,h49km,2.4km,ML1.1, Kuril Islands

Main table for Kuril Islands region with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, PAU Pauzhetka, etc.

ISCJB 22:16:31:04.2.1.1,5.4S:0.3,151.4E:0.3,h57km,mb3.7/5, MS3.1/1, Error ellipse: s-maj=60.6km s-min=11.0km az=41.6

IDC 22:16:31:05.1.5.8,5.51S:151.54E,h56km-50km,mb3.5/5, mb1 3.9/6, mb1mx3.4/44, mbtmpp.8/6, ML2.0/1, MS3.1/2, Ms1 3.0/2, ms1mx2.6/36, Error ellipse: s-maj=63.9km s-min=31.3km az=129.0

ISC 22:16:31:05.3.1.3,5.55S:0.3,151.5E:0.4,h57km,n8,c083/8, mb3.7/5, New Britain region

Table for New Britain region with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like PMG Port Moresby, PMG 2.9nm,0.3s, etc.

DMN 22:16:44:09.7.0.7,30.89N:88.80E,h10km,ML4.6/4, Error ellipse: s-maj=15.1km s-min=10.9km az=55.0

IDC 22:16:44:16.3.0.6,29.88N:88.05E,h0km,mb4.4/2, mb1 4.5/25, mb1mx4.2/69, mbtmpp.4/25, ML3.8/23, MS3.9/28, Ms1 3.9/29, ms1mx3.8/64, Error ellipse: s-maj=17.5km s-min=12.5km az=24.0

BJJ 22:16:44:17.7.29,29.88N:88.01E,h14km,mb4.6/55,mb4.9/38, ML5.1/1, Ms4.8/62, Ms7.4/655

MOS 22:16:44:18.1.1.0,29.86N:88.05E,h23km,mb5.1/53, MS4.0/9, Error ellipse: s-maj=7.7km s-min=3.9km az=122.0

NEIC 22:16:44:20.4.1.4,29.95N:88.04E,h29km,10km,mb4.9/47, Error ellipse: s-maj=5.7km s-min=3.7km az=215.0

GCMT 22:16:44:20.3.0.2,39.93N:88.32E,h25km,MW5.0/63, Moment Tensor Solution: s30,c33; s63,c108; Duration: 0 Moment tensor: Scale 10^19N; Mr=2.63e-16; Mw=0.11e+09; Ms=1.94e+10; Mv=1.94e+26; Mw0.02=06; Mw1-1.83e-18; Best double couple: Mw3.74100x10^16

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NP1:332.00000; 368.00000; -1-112.00000; NP2: 320.00000; 331.00000; -4-47.00000; Principal axes: T 3.4070, Plg20.0000, Azm79.0000; P -0.4750, Plg61.0000, Azm209.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISCJB 22:16:44:21.7.0.4,29.93N:0.02,88.10E:0.02,h51km,4km, mb4.7/116,MS4.1/37, Error ellipse: s-maj=4.2km s-min=3.1km az=24.9

NDI 22:16:44:23.0.2.6,29.84N:88.08E,h29km,ML4.8, mb4.9/NEIC

ISC 22:16:44:21.2.0.5,29.91N:0.03,87.94E:0.03,h32km,3km, h32km;pp-P,n321,c2s16/358,mb4.8/116,MS4.1/38, 18C-12D,Xizang

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like TAPN Taplejung, GUN Gumba, JIRN Jiri, LSA Lhasa, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like BHPH Bhopal, NIL Nilore, GTA Gaotai, etc.

WMO Urumqi 13.89 359 eP P 16 47 36.4 +0.6

WMO WMO 16 47 42.8 -0.9

WMO WMO 16 47 50.0

WMO WMO 16 50 11.8 +2.9

WMO WMO 16 50 21.3 -8.9

WMO WMO 16 47 36.4 +0.6

WMO WMO 16 47 42.8 -0.9

WMO WMO 16 47 50.0

WMO WMO 16 50 11.8 +2.9

WMO WMO 16 50 21.3 -8.9

WMO WMO 16 47 36.4 +0.6

WMO WMO 16 47 42.8 -0.9

WMO WMO 16 47 50.0

WMO WMO 16 50 11.8 +2.9

WMO WMO 16 50 21.3 -8.9

WMO WMO 16 47 36.4 +0.6

1128

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like CM01 Chiang Mai Arr, ZHN Zhinshike, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like KPKS Kokpek, KBL Kabul, etc.

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

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

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like PHIT Phitsanulok, MK01 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

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Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, etc.

22d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Alice Springs, Tamarrasset, SONESEA Array, etc.

ISCJB 22 16:47:27.30.5, 301.31S, 07:177.5W, 0.1, h35km, mb4.5/18, Error ellipse: s-maj=16.8km s-min=10.2km az=172.2

NEIC 22 16:47:29.2.1.8, 301.18S, 177.39W, h41km, mb4.7/2, Error ellipse: s-maj=15.1km s-min=10.6km az=95.0

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Jabal al Asfar, Malin Array, KIEV, etc.

ISCJB 22 16:56:01.6.2.7, 21.93S, 07:175.01W, 0.03, h12km, 16km, mb5.2/233, MS4.8/58, Error ellipse: s-maj=7.3km s-min=4.2km az=151.5

65C-27D, Tonga Islands

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

1130

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

22d 16h

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1132

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like DAWY, LHMI, EGAK, ZEA, etc.

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

Table with columns: Code, Station Name, Frequency, Band, and other parameters. Includes stations like Colim, Niedzica, BRG, etc.

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

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

BUJ 22:05:40.4, 21:80'S; 174:70'W, h10km, mb5.1/13, mB5.3/2, M57 4/72
IDC 22:17:05:41.7, 0.1:21:86'S; 173:13'W, h10km, mb4.6/15, mb1 4.8/15, mb1mx4.5/42, mbtmp4.6/15, MS4.3/7, Ms1 4.3/7, ms1mx3.9/47, Error ellipse: s-maj=26.7km s-min=16.9km az=134.0
NEIC 22:17:05:42.5, 0.1:21:85'S; 174:99'W, h10km, mb4.9/5, Error ellipse: s-maj=19.8km s-min=10.8km az=120.0
GCMT 22:17:05:42.5, 0.2:22:00'S; 174:42'W, h31km, MW5.2/86, Moment Tensor Solution: 477, 553, 806, 128. Duration: 16.0 Moment tensor: Scale 0.11 MN: 0.73 0.4; Mw: 0.22; 0.2; Mw-0.59; 0.2; Mw: 0.14; 0.3; Mw-0.23; 0.1; Mw: 0.22; 0.2; Best double couple: Mo: 0.78700; 1017 Np1=27.00000; 855.00000; 193.00000; Np2: 0.2100000; 836.00000; 186.00000. Principal axes: T 0.8290, Plg8.00000, Azm308.00000; N -0.0840, Plg2.00000, Azm205.00000; P -0.7450, Plg10.00000, Azm115.00000; nst1 refers to surface waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.
ISC/JB 22:17:05:44.8, 0.4:21:94'S; 0.7:175:12'W, 0.08, h33km, mb4.7/29, MS4.3/4, Error ellipse: s-maj=12.1km s-min=8.0km az=33.6
MOS 22:17:05:51.0, 1.1:20:81'S; 176:63'W, h33km, mb5.1/14, Error ellipse: s-maj=18.5km s-min=13.0km az=41.6
ISC 22:17:05:45.8, 0.4:22:07'S; 0.08:174:88'W, 0.09, h33km, mb4.8/29, MS4.8/28, MS4.3/4, 33C-17D, Tonga Islands region
Code Station Name A° AZ° Phase ID Time Res
NIUE Niue bsz=5.2,SNR=7.5 5.51 58 Op Psc h m s ISC 17 06 57.9 -7.7

451A	Vernon	19.00	4	P	Pn	18 06 30.9 +1.9
557A	Orange Park	19.04	15	P	Pn	18 06 30.8 +1.3
449A	Pace	19.10	360	P	Pn	18 06 30.4 +0.2
542A	Morse	19.14	346	P	Pn	18 06 31.5 +0.8
450A	Crestview	19.15	1	P	Pn	18 06 31.8 +0.9
447A	Lucedale	19.19	356	P	Pn	18 06 32.8 +1.6
541A	Lake Charles	19.24	344	P	Pn	18 06 32.5 +0.6
541A	Lake Charles	19.24	344	eP	Pn	18 06 33.3 +1.4
446A	Poplarville	19.24	354	P	Pn	18 06 32.7 +0.8
452A	Marianna	19.27	5	P	Pn	18 06 33.8 +1.5
448A	Bay Minette	19.28	358	P	Pn	18 06 33.3 +0.9
445A	Amite	19.30	352	P	Pn	18 06 33.8 +1.2
454A	Quitman	19.33	9	P	Pn	18 06 34.4 +1.4
444A	Pine Grove	19.34	351	P	Pn	18 06 34.6 +1.4
453A	Whigham	19.37	7	P	Pn	18 06 35.6 +2.1
453A	Whigham	19.37	7	eP	Pn	18 06 35.7 +2.1
455A	Stateville	19.46	11	P	Pn	18 06 35.2 +0.7
BRAL	Brewton	19.51	0	P	Pn	18 06 35.8 +0.7
BRAL	Brewton	19.51	0	eP	Pn	18 06 33.0 -0.7
443A	Delano Plantat	19.58	348	P	Pn	18 06 36.8 +0.8
456A	Hilliard	19.65	13	P	Pn	18 06 37.6 +0.9
351A	Pinckard	19.66	4	P	Pn	18 06 38.4 +1.4
442A	Mamoc	19.67	346	P	Pn	18 06 38.5 +1.5
349A	Repton	19.69	360	P	Pn	18 06 38.3 +1.0
348A	Jackson	19.76	358	P	Pn	18 06 39.2 +1.0
348A	Jackson	19.76	358	eP	Pn	18 06 38.6 +0.4
350A	Dozier	19.77	2	P	Pn	18 06 39.0 +0.7
347A	Saraland	19.78	356	P	Pn	18 06 39.2 +0.8
345A	Thompson Farm	19.83	353	P	Pn	18 06 39.1 +0.2
346A	Big Creek Wild	19.84	354	P	Pn	18 06 39.8 +0.8
346A	Big Creek Wild	19.84	354	eP	Pn	18 06 39.7 +0.6
353A	Camilla	19.87	7	P	Pn	18 06 40.0 +0.6
441A	DeRidder	19.89	345	P	Pn	18 06 41.6 +1.9
352A	Blakely	19.92	6	P	Pn	18 06 41.1 +1.1
352A	Blakely	19.92	6	eP	Pn	18 06 40.9 +0.8
HKT	Hockley	20.00	337	eP	P	18 06 39.7 +0.7
HKT	Hockley	20.00	337	eP	pmx	18 06 39.7 +0.7
TIGA	Tifton	20.05	9	P	Pn	18 06 42.4 +0.8
344A	Westbrook Farm	20.07	351	P	Pn	18 06 42.3 +0.6
344A	Westbrook Farm	20.07	351	eP	Pn	18 06 41.7 0.0
355A	Pearsall	20.08	11	P	Pn	18 06 41.9 0.0
833A	Chaparral WMA	20.23	327	P	P	18 06 42.3 +0.6
833A	Chaparral WMA	20.23	327	eP	P	18 06 42.2 +0.6
342A	Flagon Creek P	20.29	347	P	Pn	18 06 44.3 0.0
342A	Flagon Creek P	20.29	347	eP	Pn	18 06 44.3 0.0
249A	Camden	20.31	0	P	Pn	18 06 44.6 0.0
250A	Grady	20.33	2	P	Pn	18 06 44.9 +0.1
250A	Grady	20.33	2	eP	Pn	18 06 44.9 0.0
247A	Quitman	20.43	356	P	Pn	18 06 46.0 0.0
248A	Dixon Mills	20.44	359	P	Pn	18 06 46.1 +0.1
357A	Townsend	20.44	14	P	Pn	18 06 47.4 +1.2
341A	Kurthwood	20.44	345	P	Pn	18 06 46.1 -0.1
341A	Kurthwood	20.44	345	eP	Pn	18 06 45.7 -0.4
252A	Lumpkin	20.45	6	P	Pn	18 06 46.4 +0.2
251A	Midway	20.49	4	P	Pn	18 06 46.6 -0.1
ATAH	Atahualpa	20.52	154	P	Pn	18 06 48.0 +0.4
ATAH	Atahualpa	20.52	154	LR	LR	18 13 49.0
245A	Little AP Sta	20.52	353	P	Pn	18 06 46.6 -0.5
254A	Abbeville	20.59	9	P	Pn	18 06 47.3 -0.6
243A	Waterproof	20.61	349	P	Pn	18 06 47.6 -0.4
244A	Avery, Jackson	20.64	351	P	Pn	18 06 47.0 +1.0
255A	Hazlehurst	20.72	11	P	Pn	18 06 49.6 +0.3
255A	Hazlehurst	20.72	11	eP	Pn	18 06 48.0 +1.1
256A	Glennville	20.89	13	P	Pn	18 06 51.6 +0.3
242A	Grayson	20.91	348	P	Pn	18 06 50.7 -0.9
151A	Opelika	20.93	4	P	Pn	18 06 51.3 -0.5
149A	Jones	20.93	1	P	Pn	18 06 51.3 -0.6
150A	Eclectic	20.97	3	P	Pn	18 06 52.3 0.0
148A	Greensboro	20.98	359	P	Pn	18 06 51.9 -0.6
147A	Livingston	21.03	357	P	P	18 06 52.8 +2.5
147A	Livingston	21.03	357	eP	P	18 06 51.7 +1.4
241A	Mo Tay, Golden	21.04	346	P	P	18 06 52.8 +2.4
146A	Union	21.04	356	P	P	18 06 52.0 +1.5
145A	Houston Renfro	21.09	353	P	P	18 06 52.6 +1.7
152A	Waverly Hall	21.12	6	P	P	18 06 53.2 +1.9
153A	Fort Valley	21.20	8	P	P	18 06 53.8 +1.6
NATX	Nacogdoches	21.26	342	P	P	18 06 54.1 +1.4
NATX	Nacogdoches	21.26	342	eP	P	18 06 53.9 +1.1
240A	Hunter Patters	21.27	344	P	P	18 06 54.1 +1.2
240A	Hunter Patters	21.27	344	eP	P	18 06 54.0 +1.2
154A	Montrose	21.27	9	P	P	18 06 54.9 +2.1
SJG	San Juan	21.30	7	P	P	18 06 44.8 -8.5
142A	Monroe	21.34	349	P	P	18 06 56.1 +2.5
LRAL	Lakeview Retre	21.37	0	P	P	18 06 55.6 +1.7

LRAL	Lakeview Retre	21.37	0	eP	P	18 06 55.2 +1.3
155A	Kite	21.39	11	P	P	18 06 56.8 +2.6
143A	Socs Landing,	21.40	350	P	P	18 06 56.3 +2.1
143A	Socs Landing,	21.40	350	eP	P	18 06 54.7 +0.5
435B	Jarrell	21.43	335	P	P	18 06 56.5 +1.9
435B	Jarrell	21.43	335	eP	P	18 06 55.3 +0.7
Z49A	Colburn	21.53	1	P	P	18 06 57.3 +1.6
Z47A	Carrollton	21.55	358	P	P	18 06 57.3 +1.5
Z46A	Louisville	21.59	356	P	P	18 06 58.2 +2.0
141A	Papa Simpson,	21.60	347	P	P	18 06 58.0 +1.7
Z50A	Ashland	21.62	3	P	P	18 06 58.3 +1.7
Z50A	Ashland	21.62	3	eP	P	18 06 57.9 +1.4
156A	Sylvania	21.62	13	P	P	18 06 59.5 +2.9
Z52A	Williamson	21.67	6	P	P	18 06 59.4 +2.3
Z48A	Northport	21.71	359	P	P	18 06 58.7 +1.1
Z51A	Fralin	21.72	4	P	P	18 07 01.2 +3.5
140A	Cam and Jess,	21.79	345	P	P	18 06 59.1 +0.6
140A	Cam and Jess,	21.79	345	eP	P	18 06 59.8 +1.3
Z44A	Pea Ridge, Bel	21.82	353	P	P	18 06 59.6 +0.9
Z45A	Winona	21.83	354	P	P	18 06 60.0 +1.2
Z45A	Winona	21.83	354	eP	P	18 07 00.1 +1.2
Z53A	Monticello	21.86	8	P	P	18 07 01.1 +2.0
Z54A	Sparta	21.93	10	P	P	18 07 02.2 +2.3
GOGA	Godfrey	22.00	8	P	P	18 07 02.7 +2.0
GOGA	Godfrey	22.00	8	eP	P	18 07 01.7 +1.0
GOGA	Godfrey	22.00	8	eP	pmx	18 07 01.7 +1.0
Z55A	Glythe	22.04	11	P	P	18 07 03.4 +2.3
Z42A	Norrel Spur, H	22.05	349	P	P	18 07 01.9 +0.7
PCRVR	Puerto La Cruz	22.15	9	P	P	18 07 01.4 -1.1
JCT	Junction City	22.18	330	P	P	18 07 02.8 +0.1
JCT	Junction City	22.18	330	eP	P	18 07 02.6 -0.2
JCT	Junction City	22.18	330	eP	pmx	18 07 02.6 -0.2
JCT	Junction City	22.18	330	eP	pmx	18 07 04.0 +1.2
Y49A	Blount Mountain	22.20	2	P	P	18 07 03.6 +0.8
Z41A	Richland Creek	22.20	347	P	P	18 07 04.0 +1.2
Z41A	Richland Creek	22.20	347	eP	P	18 07 03.7 +0.8
Y47A	UCPARC, Winifd	22.24	356	P	P	18 07 04.6 +1.3
Y48A	Jasper	22.24	360	P	P	18 07 04.3 +1.0
Y50A	Piedmont	22.26	3	P	P	18 07 04.7 +1.2
Y46A	Houston	22.27	356	P	P	18 07 04.3 +0.8
CSU	Charleston Sou	22.29	16	eP	P	18 07 04.6 +0.8
Y45A	Yeager Farm, C	22.30	355	P	P	18 07 05.4 +1.4
Y51A	Rockmart	22.31	5	P	P	18 07 05.5 +1.5
NHSC	New Hope	22.37	16	P	P	18 07 06.4 +1.7
NHSC	New Hope	22.37	16	eP	P	18 07 05.8 +1.1
Y52A	Lilburn	22.37	7	P	P	18 07 06.5 +1.7
Y52A	Lilburn	22.37	7	eP	P	18 07 06.0 +1.3
Y53A	Monroe	22.42	8	P	P	18 07 07.1 +1.9
WHTX	Lake Whitney,	22.44	337	P	P	18 07 05.6 +0.2
WHTX	Lake Whitney,	22.44	337	eP	P	18 07 05.7 +0.2
STVI	Saint Thomas	22.46	70	eP	P	18 07 06.1 +0.3
Y54A	Tignall	22.57	10	P	P	18 07 08.7 +2.0
Y42A	Garnett, Star	22.57	350	P	P	18 07 07.4 +0.6
Y41A	Eagles Beard	22.77	348	P	P	18 07 09.1 +0.2
X48A	Hartselle	22.78	0	P	P	18 07 09.4 +0.4
X48A	Hartselle	22.78	0	eP	P	18 07 08.5 -0.5
X50B	Fort Payne	22.83	3	P	P	18 07 10.2 +0.7
X45A	UM Field Stati	22.84	355	P	P	18 07 09.8 +0.1
X49A	Woodville	22.85	2	P	P	18 07 10.6 +0.8
X47A	Russellville	22.86	358	P	P	18 07 09.8 0.0
X46A	Boneville	22.92	357	P	P	18 07 10.8 +0.3
OXF	Oxford	22.93	355	P	P	18 07 10.6 0.0
OXF	Oxford	22.93	355	eP	P	18 07 10.2 -0.4
OXF	Oxford	22.93	355	eP	pmx	18 07 10.2 -0.4
OXF	Oxford	22.93	355	eP	pmx	18 07 12.4 +1.2
X51A	Calhoun	22.99	5	P	P	18 07 10.9 -0.3
X44A	Crenshaw	22.99	354	P	P	18 07 11.9 +0.3
Y40A	Okona	23.03	347	P	P	18 07 12.8 +0.6
X43A	Marvell	23.10	352	P	P	18 07 12.7 +0.4
X43A	Marvell	23.10	352	eP	P	18 07 13.0 +0.7
X53A	Estanlee	23.10	8	P	P	18 07 15.5 +1.8
X52A	Dahlonega	23.12	7	P	P	18 07 15.5 +1.8
JSC	Jenkinsville	23.24	12	eP	P	18 07 15.5 +1.8
JSC	Jenkinsville	23.24	12	eP	pmx	18 07 15.5 +1.8
X42A	Stuttgart	23.24	351	P	P	18 07 14.2 +0.5
PLAL	Pickwick Lake	23.33	358	eP	P	18 07 14.1 -0.5
X41A	Claxton, Bauxite	23.34	349	P	P	18 07 15.2 +0.5
X40A	Basin Creek Fa	23.40	348	P	P	18 07 15.4 +0.1
X40A	Basin Creek Fa	23.40	348	eP	P	18 07 15.3 +0.1
TXAR	Lajitas Arroy	23.44	321	P	P	18 07 16.2 +0.3
TXAR	Lajitas Arroy	23.44	321	P	ScP	18 11 02.1 +0.3
TXAR	Lajitas Ar. Si	23.44	321	P	ScP	18 14 41.3 +3.0
TX31	Lajitas Ar. Si	23.44	321	P	P	18 07 16.3 +0.4
W49A	Belvidere	23.46	2	P	P	18 07 16.0 +0.1

W48A	Pulaski	23.47	0	P	P	18 07 16.3 +0.3
W46A	Michie	23.49	357	P	P	18 07 16.2 +0.1
W45A	Hickory Valley	23.56	356	P	P	18 07 16.5 -0.4
SWET	Sewanee	23.57	2	eP	P	18 07 17.3 +0.3
W47A	Westpoint	23.58	359	P	P	18 07 16.9 -0.2
UALR	University of	23.58	349	eP	P	18 07 17.0 -0.1
W50A	Signal Mountai	23.59	4	eP	P	18 07 17.8 +0.6
W50A	Signal Mountai	23.59	4	eP	P	18 07 17.4 +0.2
W51A	Cleburn	23.59	5	P	P	18 07 17.6 +0.5
W52A	Murphy	23.60	7	P	P	18 07 17.8 +0.5
W52A	Murphy	23.60	7	eP	P	18 07 18.6 +1.3
MIAR						

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TUL1	Leonard	25.47	34.4	P	P	18 07 34.3	-0.1
TUL1	Leonard	25.47	34.4	eP	P	18 07 34.3	-0.1
T49A	Edmonton	25.47	3	P	P	18 07 34.3	-0.1
T49A	Edmonton	25.47	3	eP	P	18 07 34.5	0.0
T44A	Benton	25.50	355	P	P	18 07 34.1	-0.6
NNA	Nana	25.54	156	P	P	18 07 38.9	+3.7
NNA	Greenville	25.56	354	P	P	18 16 19.1	
T43A	Van Buren	25.60	353	P	P	18 07 34.6	-0.7
T42A	Van Buren	25.60	353	eP	P	18 07 34.4	-1.2
T42A	Van Buren	25.60	353	eP	P	18 07 34.4	-1.2
T41A	Mountain View	25.70	351	P	P	18 07 35.5	-1.0
T52A	Hallie	25.71	8	P	P	18 07 37.0	+0.4
S47A	Hartford	25.92	0	P	P	18 07 37.6	-0.8
T40A	Mansfield	25.93	350	P	P	18 07 37.8	-0.8
T39A	Cleaver	25.96	349	P	P	18 07 38.1	-0.8
S48A	Wiedeman Farm	26.00	2	P	P	18 07 38.5	-0.7
S46A	Don Dixon Farm	26.01	359	P	P	18 07 38.5	-0.8
S43A	Fulton Ridge	26.03	355	P	P	18 07 38.3	-1.1
S45A	Carrier Mills	26.03	357	P	P	18 07 38.6	-0.9
S44A	Carbondate	26.09	356	P	P	18 07 39.4	-0.6
SIUC	Southern Illin	26.10	356	eP	P	18 07 39.4	-0.7
S50A	Richmond	26.12	5	P	P	18 07 40.2	0.0
S51A	Beattyville	26.16	6	P	P	18 07 40.9	+0.2
S51A	Beattyville	26.16	6	eP	P	18 07 41.0	+0.4
S49A	Springfield	26.16	3	P	P	18 07 40.4	-0.2
T38A	Diamond	26.16	347	P	P	18 07 40.0	-0.7
MNTX	Cornudas Mount	26.16	323	P	P	18 07 40.3	-0.5
MNTX	Cornudas Mount	26.16	323	eP	P	18 07 40.6	-0.2
S41A	Jillco Farms	26.24	352	P	P	18 07 40.4	-1.0
BLA	Blacksburg	26.24	12	P	P	18 07 42.3	+0.9
BLA	Blacksburg	26.24	12	eP	P	18 07 42.9	+1.4
BLA	Blacksburg	26.24	12	P	P	18 07 42.9	+1.4
S52A	Salversville	26.26	7	P	P	18 07 41.7	+0.2
USIN	University of	26.29	359	eP	P	18 07 41.7	-0.2
S42A	Caledonia	26.30	353	P	P	18 07 40.5	-1.4
S40A	Lebanon	26.36	350	P	P	18 07 41.5	-1.1
FVM	French Village	26.47	354	eP	P	18 07 44.0	+0.6
MSTX	Muleshoe	26.48	330	P	P	18 07 43.3	-0.4
MSTX	Muleshoe	26.48	330	eP	P	18 07 43.3	-0.4
R46A	Gibson Springs	26.54	359	P	P	18 07 43.4	-0.7
WCI	Wyandotte Cave	26.56	2	P	P	18 07 43.8	-0.4
WCI	Wyandotte Cave	26.56	2	eP	P	18 07 42.8	-1.5
WCI	Wyandotte Cave	26.56	2	eP	P	18 07 42.8	-1.5
S39A	Bolivar	26.60	349	P	P	18 07 43.4	-1.2
S39A	Bolivar	26.60	349	eP	P	18 07 43.6	-1.0
R47A	Woolly Knot Far	26.62	1	P	P	18 07 43.9	-0.9
R44A	Watonville	26.62	357	P	P	18 07 44.3	-0.6
CCM	Cathedral Cave	26.63	353	P	P	18 07 44.6	-0.3
CCM	Cathedral Cave	26.63	353	eP	P	18 07 45.0	+0.1
CCM	Cathedral Cave	26.63	353	eP	P	18 07 45.0	+0.1
R45A	Skyler, Fairri	26.63	358	P	P	18 07 44.4	-0.5
S38A	Stockton	26.65	348	P	P	18 07 44.3	-0.9
R49A	Shelbyville	26.67	3	P	P	18 07 44.9	-0.4
AMTX	Amarillo	26.71	333	P	P	18 07 45.1	-0.7
AMTX	Amarillo	26.71	333	eP	P	18 07 43.2	-2.6
R43A	Red Bud	26.71	355	P	P	18 07 45.1	-0.6
R50A	Paris	26.72	5	P	P	18 07 45.7	0.0
R48A	Northridge Ran	26.75	2	P	P	18 07 45.4	-0.6
R42A	Luebbering	26.80	354	P	P	18 07 46.1	-0.4
R51A	Hillsboro	26.81	6	P	P	18 07 46.6	0.0
R41A	Rosebud	26.89	353	P	P	18 07 46.0	-1.2
R52A	Cattlettsburg	26.96	8	P	P	18 07 47.8	-0.1
R40A	Maddies Statio	27.00	351	P	P	18 07 47.1	-1.2
R40A	Maddies Statio	27.00	351	eP	P	18 07 46.9	-1.3
R39A	Chumby, Stover	27.15	350	P	P	18 07 48.4	-1.2
R38A	Fenwick Farm,	27.19	348	P	P	18 07 48.8	-1.1
Q45A	Warren Harvey,	27.23	358	P	P	18 07 49.8	-0.4
Q47A	Bedord North L	27.26	1	P	P	18 07 50.1	-0.5
Q44A	Meyer Farm, Va	27.27	357	P	P	18 07 49.8	-0.8
Q48A	North Vernon	27.28	2	P	P	18 07 50.0	-0.7
Q50A	Georgetown	27.31	5	P	P	18 07 50.5	-0.5
Q43A	New Douglas	27.36	356	P	P	18 07 51.1	-0.3
Q49A	Aurora	27.40	4	P	P	18 07 51.4	-0.4
Q41A	Truxton	27.52	353	P	P	18 07 51.7	-1.1
Q51A	Peebles	27.55	6	P	P	18 07 53.4	+0.2
Q40A	Laux Farm, Auc	27.66	352	P	P	18 07 53.2	-1.0
P44A	Sand Creek, Wi	27.82	358	P	P	18 07 54.8	-0.8
P47A	Martinsville	27.82	1	P	P	18 07 54.7	-0.9
P48A	Milroy	27.82	3	P	P	18 07 54.6	-1.0
P45A	Graceland, Par	27.85	359	P	P	18 07 55.2	-0.7
Q39A	Willow Grove F	27.85	350	P	P	18 07 54.8	-1.1
Q38A	Cooks Spring, C	27.88	349	P	P	18 07 55.2	-0.9

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CBN	Corbin Frederi	27.93	17	P	P	18 07 56.2	-0.3
CBN	Corbin Frederi	27.93	17	eP	P	18 07 58.3	+1.8
P46A	Roadside	27.94	360	P	P	18 07 55.8	-0.8
P49A	Miami Univ. Ec	27.94	4	P	P	18 07 55.2	-1.4
Q37A	Longview Farm,	27.96	348	P	P	18 07 56.3	-0.6
P43A	Skaggs, Pawnee	28.04	356	P	P	18 07 56.2	-1.3
P42A	Winchester	28.05	355	P	P	18 07 56.9	-0.7
P50A	Jamestown	28.09	6	P	P	18 07 57.3	-0.7
P40A	Paris	28.19	352	P	P	18 07 57.8	-1.1
P40A	Parle	28.19	352	eP	P	18 07 57.0	-1.8
121A	Cookes Peak, D	28.20	321	P	P	18 07 50.2	+0.9
P41A	Barry, Barry	28.21	354	P	P	18 07 57.3	-1.8
P39B	Salisbury	28.25	351	P	P	18 07 58.0	-1.4
O44A	Mansfield	28.50	358	P	P	18 08 00.8	-0.8
P38A	Dawn	28.51	350	P	P	18 08 00.6	-1.2
P38A	Dawn	28.51	350	eP	P	18 08 00.4	-1.4
O47A	Sheridan	28.57	2	P	P	18 08 01.1	-1.1
O45A	Potomac	28.57	359	P	P	18 08 01.2	-1.1
O49A	Covington	28.61	5	P	P	18 08 02.0	-0.7
O41A	Passleys Farm,	28.63	354	P	P	18 08 01.5	-1.3
O48A	Farm	28.63	3	P	P	18 08 01.8	-1.0
P37A	Lathrop	28.63	348	P	P	18 08 01.6	-1.2
O50A	Cable	28.64	6	P	P	18 08 02.5	-0.4
O43A	Sugar Creek Fa	28.67	357	P	P	18 08 02.8	-0.3
KSU1	Kansas State U	28.68	345	P	P	18 08 02.9	-0.4
KSU1	Kansas State U	28.68	345	eP	P	18 08 01.3	-2.0
SFIN	Lafayette	28.70	0	P	P	18 08 02.5	-1.0
SFIN	Lafayette	28.70	0	eP	P	18 08 02.4	-1.0
MCWV	Mont Chateau	28.72	12	P	P	18 08 04.2	+0.7
O40A	La Belle	28.75	352	P	P	18 08 02.5	-1.3
ACSO	Alum Creek Sta	28.79	7	P	P	18 08 04.5	+0.3
O39A	Kirksville	28.97	351	P	P	18 08 05.1	-0.7
N44A	Rancher City	29.13	358	P	P	18 08 06.4	-0.8
O37A	Wolven Farm, M	29.15	349	P	P	18 08 06.3	-1.1
TASL	Snake Pit, Alb	29.15	326	P	P	18 08 08.5	+0.7
ANMO	Albuquerque	29.15	326	P	P	18 08 08.7	+0.9
ANMO	Albuquerque	29.15	326	P	P	18 11 16.3	+1.3
ANMO	Albuquerque	29.15	326	eP	P	18 08 08.4	+0.7
ANMO	Albuquerque	29.15	326	eP	P	18 08 08.5	+0.7
ANMO	Albuquerque	29.15	326	eP	P	18 08 08.5	+0.7
TASM	ASL Pad, Albuq	29.15	326	P	P	18 08 08.3	+0.6
N45A	Kentland	29.17	359	P	P	18 08 06.6	-0.9
N41A	Harden Midland	29.21	354	P	P	18 08 06.4	-1.5
N41A	Harden Midland	29.21	354	eP	P	18 08 06.8	-1.1
N46A	Monticello	29.21	1	P	P	18 08 06.9	-1.0
N42A	Yates City	29.26	356	P	P	18 08 07.9	-0.4
N50A	Nevada	29.30	6	P	P	18 08 09.0	+0.2
N43A	Stutzman Famil	29.31	357	P	P	18 08 08.0	-0.9
N40A	Mertquake, Sal	29.46	353	P	P	18 08 08.9	-1.2
N39A	Derby Farms, D	29.57	352	P	P	18 08 10.4	-0.8
O56A	Blue Knob Stat	29.58	13	P	P	18 08 11.4	+0.2
PTGA	Pitinga	29.64	113	P	P	18 08 10.4	-1.7
M44A	Midewin, Midew	29.72	359	P	P	18 08 11.2	-1.2
M44A	Midewin, Midew	29.72	359	eP	P	18 08 11.2	-1.2
M46A	Old House Fiel	29.73	1	P	P	18 08 11.5	-1.1
N37A	Lee Faris, Mou	29.73	349	P	P	18 08 11.9	-0.7
N37A	Lee Faris, Mou	29.73	349	eP	P	18 08 11.8	-0.8
M43A	Walham Townsh	29.80	357	P	P	18 08 12.4	-0.8
T25A	Trinidad	29.82	332	P	P	18 08 14.4	+0.7
M41A	Milan	29.84	355	P	P	18 08 13.1	-0.4
M49A	Liberty Center	29.92	5	P	P	18 08 14.3	0.0
M50A	Fremont	29.94	6	P	P	18 08 14.8	+0.4
N54A	Moraine State	29.95	11	P	P	18 08 14.8	+0.3
M40A	Post Highland	29.97	353	P	P	18 08 13.8	-0.8
TUC	Tucson	29.98	317	P	P	18 08 15.0	0.0
TUC	Tucson	29.98	317	P	P	18 08 15.2	+0.2
SSPA	Standing Stone	30.09	14	P	P	18 08 16.6	+0.9
SSPA	Standing Stone	30.09	14	eP	P	18 08 16.5	+0.8
PSUB	Penn St. - Bra	30.09	18	eP			

PV16	Nyswonger Mesa	32.97 328	eP	P	18 08 42.2 +0.7
DRWO	Darlington City	33.00 11	P	P	18 08 41.5 +0.2
H41A	Junction City	33.00 357	P	P	18 08 40.2 -1.1
H41A	Junction City	33.00 357	eP	P	18 08 40.2 -1.1
PV19	Morning Glory	33.01 328	eP	P	18 08 42.5 +0.7
PV20	West Nyswonger	33.02 328	eP	P	18 08 42.3 +0.4
PKRO	Pickering	33.03 11	P	P	18 08 41.7 +0.2
H40A	Chili	33.06 356	P	P	18 08 40.5 -1.2
PV22	Blue Mesa, Par	33.07 328	eP	P	18 08 43.2 +0.9
PV14	Lion Creek, Pa	33.08 328	eP	P	18 08 43.1 +0.8
ECSO	EROS Data Cent	33.08 347	P	P	18 08 40.6 -1.4
ECSO	EROS Data Cent	33.08 347	eP	P	18 08 40.6 -1.4
WLVO	Wesleyville	33.12 12	P	P	18 08 42.5 +0.2
PV23	Carpenter Ridge	33.13 328	eP	P	18 08 43.6 +0.8
GLA	Glamis	33.18 315	eP	P	18 08 45.8 +2.7
GLA	Glamis	33.18 315	eP	P	18 08 45.8 +2.7
H39A	Augusta	33.19 355	P	P	18 08 41.7 -1.2
PV21	Conte Mtn., Par	33.19 328	eP	P	18 08 43.6 +0.3
TRY	Troy	33.19 18	eP	P	18 08 44.1 +1.2
PV09	Paradox	33.23 328	eP	P	18 08 44.4 +0.7
H37A	Dierke Farm, C	33.27 352	P	P	18 08 42.8 -0.8
H38A	Maiden Rock	33.28 353	P	P	18 08 42.6 -1.2
CLWO	Collingwood	33.29 9	P	P	18 08 43.9 +0.1
BMRO	Meriville Lake	33.30 8	P	P	18 08 43.8 -0.2
H36A	Jessenaide	33.41 351	P	P	18 08 44.2 -0.6
PDMCI	Parker Dam, Lak	33.42 317	P	P	18 08 45.2 +0.1
LPZA	La Paz	33.47 145	P	P	18 08 47.8 +1.5
LPZA	La Paz	33.47 145	eP	P	18 08 47.8 +1.5
LPZA	La Paz	33.47 145	eP	P	18 08 50.4 +4.1
LPZA	La Paz	33.47 145	eP	P	18 08 50.4 +4.1
N23A	Red Feather La	33.57 334	P	P	18 08 46.5 -0.1
N23A	Red Feather La	33.57 334	eP	P	18 08 47.1 +0.4
G41A	Antigo	33.57 357	P	P	18 08 44.4 -1.9
G42A	Mountain	33.58 358	P	P	18 08 44.7 -1.6
G42A	Mountain	33.58 358	eP	P	18 08 44.7 -1.6
G43A	Wallace	33.58 359	P	P	18 08 44.6 -1.7
G43A	Wallace	33.58 359	eP	P	18 08 44.6 -1.7
H35A	Sunnyside Ranch	33.67 350	P	P	18 08 45.7 -1.4
G40A	Rib Lake	33.69 356	P	P	18 08 46.0 -1.3
G40A	Rib Lake	33.69 356	eP	P	18 08 45.8 -1.5
PHWY	Pilot Hill	33.70 335	eP	P	18 08 48.2 +0.4
G38A	Ridgeland	33.73 354	P	P	18 08 45.9 -1.8
G39A	Holcombe	33.78 355	P	P	18 08 46.5 -1.6
ACCN	Adirondack Con	33.79 18	eP	P	18 08 48.8 +0.6
SADO	Sadowa	33.79 10	P	P	18 08 47.5 -0.7
SWSC	Sam W. Stewart	33.80 314	P	P	18 08 49.0 +0.5
DELO	Deloro Mine	33.84 12	P	P	18 08 47.3 -1.3
IKP	In-Ko-Pah, Jac	33.87 313	P	P	18 08 49.7 +0.5
TOBO	Tobermory, Bru	33.89 7	P	P	18 08 48.3 -0.7
SPMN	Marine on St.	33.89 353	P	P	18 08 47.4 -1.6
SPMN	Marine on St.	33.89 353	eP	P	18 08 47.5 -1.6
BC3	Big Chuckawall	33.95 315	P	P	18 08 51.3 +1.4
IRM	Iron Mountain	34.02 316	P	P	18 08 51.5 +1.1
O20A	White River Ci	34.02 330	P	P	18 08 51.4 +0.9
O20A	White River Ci	34.02 330	eP	P	18 08 51.0 +0.5
G36A	St. Michael	34.02 352	P	P	18 08 49.3 -0.9
F45A	CMU Biological	34.03 2	P	P	18 08 49.0 -1.2
F41A	Three Lakes	34.10 358	P	P	18 08 49.4 -1.5
F41A	Three Lakes	34.10 358	eP	P	18 08 49.4 -1.5
F43A	Flat Rock, Esc	34.15 360	P	P	18 08 49.6 -1.7
NCB	Newcomb	34.16 17	eP	P	18 08 51.5 +0.1
KLBO	Killbear Provi	34.19 9	P	P	18 08 50.5 -1.1
PKCU	Pink Cliff	34.25 323	eP	P	18 08 54.6 -0.9
BANO	Bancroft	34.26 12	P	P	18 08 51.9 -0.4
F44A	Big Bay de Noc	34.30 1	P	P	18 08 50.7 -1.8
SUSD	Miller	34.30 345	P	P	18 08 51.9 -0.8
F40A	Park Falls	34.33 356	P	P	18 08 51.2 -1.7
G34A	Benson	34.34 349	P	P	18 08 51.6 -1.4
F39A	Loretta	34.38 355	P	P	18 08 51.8 -1.5
BUKO	Buck Lake	34.40 10	P	P	18 08 53.3 -0.2
SRU	San Rafael Swe	34.41 327	eP	P	18 08 54.8 +0.9
SRU	San Rafael Swe	34.41 327	eP	P	18 08 54.8 +0.9
G33A	Ortonville	34.44 348	P	P	18 08 52.8 -1.1
PV10	Plevna	34.46 13	P	P	18 08 53.9 -0.1
PLVO	Plevna	34.46 13	eP	P	18 08 53.8 -0.1
COWI	Conover	34.46 358	eP	P	18 08 52.2 -1.8
FFD	Franklin Falls	34.50 20	eP	P	18 08 55.0 +0.7
F38A	Pierce - Schro	34.51 354	P	P	18 08 52.9 -1.5
BELC	Belle Mtn. Jos	34.52 315	P	P	18 08 54.8 -0.1
LDFC	Landfair	34.52 317	eP	P	18 08 57.6 +2.7
LCMT	Little Creek M	34.53 322	eP	P	18 08 56.7 +1.8
F36A	Milaca	34.61 352	P	P	18 08 53.5 -1.8
F36A	Milaca	34.61 352	eP	P	18 08 53.6 -1.7

XPFO	Piezon Flat	34.62 314	eP	P	18 08 57.9 +2.2
PFO	Pinyon Flats O	34.63 314	P	P	18 08 55.4 -0.4
PFO	Pinyon Flats O	34.63 314	eP	P	18 08 55.2 -0.6
PFO	Pinyon Flats O	34.63 314	eP	P	18 08 55.2 -0.6
P18A	Preston Nutter	34.64 328	eP	P	18 08 56.9 +0.9
LONY	Lake Ozonia	34.66 16	P	P	18 08 55.7 -0.1
LONY	Lake Ozonia	34.66 16	eP	P	18 08 55.5 -0.3
FRD	Ford Ranch, An	34.67 314	P	P	18 08 55.6 -0.5
E43A	Lone Tree Farm	34.69 0	P	P	18 08 54.4 -1.6
E43A	Lone Tree Farm	34.69 0	eP	P	18 08 54.3 -1.6
E45A	Wooded Hills,	34.71 2	P	P	18 08 55.5 -0.6
G32A	Webster	34.72 347	P	P	18 08 55.1 -1.2
G32A	Webster	34.72 347	eP	P	18 08 54.6 -1.7
E42A	Champion	34.75 359	P	P	18 08 55.1 -1.4
RWWY	Rawlins	34.77 333	eP	P	18 08 56.9 -0.2
P17A	Butcher Ranch,	34.79 327	eP	P	18 08 57.8 +0.6
F34A	Alexandria	34.81 350	P	P	18 08 55.7 -1.3
E39A	Mellier	34.81 356	P	P	18 08 55.8 -1.2
E41A	Kenton	34.81 358	P	P	18 08 55.4 -1.7
SZCU	Shurtz Canyon	34.81 323	eP	P	18 08 58.9 +1.5
E40A	Wakefield	34.84 357	P	P	18 08 56.0 -1.3
MSU	Marysville	34.90 325	eP	P	18 08 59.5 +1.3
MSU	Marysville	34.90 325	eP	P	18 08 59.5 +1.3
TMUT	Trail Mountain	34.91 326	eP	P	18 08 59.7 +1.3
CCUT	Cedar City	34.95 322	eP	P	18 09 00.4 +1.8
E44A	Grand Marais A	34.95 1	P	P	18 08 57.9 -0.4
E44A	Grand Marais A	34.95 1	eP	P	18 08 57.8 -0.4
PEMO	Pennington	35.03 12	P	P	18 08 58.6 -0.2
MNMC	Minnye Minye	35.07 150	eP	P	18 09 05.3 +5.5
LBNH	Lisbon	35.10 19	P	P	18 09 00.0 +0.5
LBNH	Lisbon	35.10 19	eP	P	18 09 00.2 +0.6
LBNH	Lisbon	35.10 19	eP	P	18 09 00.2 +0.6
E38A	The Farm, Brul	35.12 355	P	P	18 08 58.4 -1.4
E38A	The Farm, Brul	35.12 355	eP	P	18 08 58.3 -1.4
E36A	McGregor	35.22 353	P	P	18 08 58.8 -1.7
K22A	Casper	35.26 335	P	P	18 09 01.0 -0.2
K22A	Casper	35.26 335	eP	P	18 09 01.2 0.0
D41A	Chassel	35.40 358	P	P	18 09 00.7 -1.4
D41A	Chassel	35.40 358	eP	P	18 09 00.7 -1.4
SHPR	Sheep Range	35.41 319	eP	P	18 09 05.1 +2.6
E35A	Peotik Lake	35.41 351	P	P	18 09 01.2 -1.0
E34A	Wadena	35.49 350	P	P	18 09 01.5 -1.4
ALFO	Alfred	35.52 15	P	P	18 09 03.2 +0.2
RSSD	Black Hills	35.56 339	P	P	18 09 03.7 0.0
RSSD	Black Hills	35.56 339	eP	P	18 09 04.2 +0.5
RSSD	Black Hills	35.56 339	eP	P	18 09 04.2 +0.5
MPU	Maple Canyon	35.66 327	eP	P	18 09 05.5 +0.9
D37A	Cotton	35.75 354	P	P	18 09 03.5 -1.6
GSC	Goldstone, Bar	35.79 316	P	P	18 09 05.6 -0.2
GSC	Goldstone, Bar	35.79 316	eP	P	18 09 08.0 +2.3
GSC	Goldstone, Bar	35.79 316	eP	P	18 09 08.0 +2.3
BFSO	Mount Baldy Ra	35.80 314	P	P	18 09 06.3 +0.4
NLU	North Lily Min	35.85 326	eP	P	18 09 07.3 +0.9
D36A	Goodland	35.85 353	P	P	18 09 04.6 -1.4
D36A	Goodland	35.85 353	eP	P	18 09 04.0 -2.0
D35A	Goodland	35.88 352	P	P	18 09 04.4 -1.8
PSUT	Pine Spring	35.89 323	eP	P	18 09 07.7 +1.0
JLU	Jordon	35.98 328	eP	P	18 09 08.3 +0.8
MWC	Mount Wilson	36.08 314	eP	P	18 09 10.3 +2.0
MWC	Mount Wilson	36.08 314	eP	P	18 09 10.3 +2.0
WVL	Waterville	36.16 21	eP	P	18 09 10.1 +1.6
TRQ	Tri Tremblant	36.16 15	eP	P	18 09 08.4 -0.2
C38A	Sawbill Land,	36.20 355	P	P	18 09 07.0 -2.0
CTU	Camp Tracy	36.21 328	eP	P	18 09 10.2 +0.9
C40A	Isle Royale Na	36.27 358	P	P	18 09 07.9 -1.6
C40A	Isle Royale Na	36.27 358	eP	P	18 09 08.0 -1.5
C37A	Embarrass	36.29 354	P	P	18 09 08.3 -1.4
TPNV	Topopah Spring	36.37 319	P	P	18 09 11.5 +0.7
TPNV	Topopah Spring	36.37 319	eP	P	18 09 12.7 +1.9
EDW2	Edwards Air Fo	36.38 315	P	P	18 09 11.7 +1.0
C36A	Pine Crest Far	36.39 354	P	P	18 09 09.2 -1.4
DUG	Dugway, Tooele	36.42 326	P	P	18 09 11.7 +0.5
DUG	Dugway, Tooele	36.42 326	eP	P	18 09 12.2 +1.1
DUG	Dugway, Tooele	36.42 326	eP	P	18 09 12.2 +1.1
EYMN	Ely	36.45 355	P	P	18 09 09.0 -2.0
EYMN	Ely	36.45 355	eP	P	18 09 09.3 -1.7
C35A	Jirik Farms, M	36.47 352	P	P	18 09 09.4 -1.9
FURC	Furnace Creek,	36.49 318	P	P	18 09 13.2 +1.6
MPMC	Manual Prospec	36.67 317	P	P	18 09 14.4 +1.0
BW06	Boulder Array	36.69 332	P	P	18 09 12.8 -0.7
BW06	Boulder Array	36.69 332	eP	P	18 09 12.2 -1.2
PD31	Pinedale Array	36.69 332	eP	P	18 09 13.3 -0.2
PDAR	Pinedale Array	36.69 332	P	P	18 09 12.9 -0.5

PDAR	comp=Z,4.1nm,0.6s,baz=120,slow=9.6,SNR=44	PcP	PcP	18 11 36.2 +0.3	
PDAR	comp=Z,3.5nm,1.0s,baz=116,slow=3.4,SNR=5.2	PcP	ScP	18 15 23.9 +2.9	
PDAR	comp=Z,0.5nm,0.7s,baz=134,slow=4.3,SNR=4.0	LR	LR	18 28 23.5	
PDAR	comp=Z,201nm,19.3s,baz=138,slow=43	eP	P	18 09 11.6 -1.9	
PDAR	Pinedale Array	36.69 332	eP	P	18 11 36.2 +0.3
PDAR	Pinedale Array	36.69 332	eP	P	18 15 23.9 +2.9
HWUT	Hardware Ranch	36.78 329	eP	P	18 09 14.2 0.0
R11A	Troy Canyon, C	36.81 321	P	P	18 09 15.1 +0.6
R11A	Troy Canyon, C	36.81 321	eP	P	18 09 16.0 +1.5
PKME	Peaks-Kenny Pk	36.89 21	P	P	18 09 15.3 +0.5
PKME	Peaks-Kenny Pk	36.89 21	eP	P	18 09 15.7 +0.8
SPUT	South Promonto	37.02 328	eP	P	18 09 16.8 +0.6
BGU	Big Grassy Mou	37.05 327	eP	P	18 09 17.4 +0.9
B35A	Bob, Littlefor	37.09 353	P	P	18 09 14.9 -1.6
B35A	Bob, Littlefor	37.09 353	eP	P	18 09 14.8 -1.7
ARVC	Arvin	37.09 314	P	P	18 09 16.7 -0.1
CWC	Cottonwood Cre	37.28 317	P	P	18 09 19.1 +0.5
B34A	Aery, Baudette	37.33 352	P	P	18 09 17.1 -1.5
AGMN	Agassiz Nation	37.34 350	P	P	18 09 17.6 -1.0
AGMN	Agassiz Nation	37.34 350	eP	P	18 09 17.1 -1.5
AHID	Auburn Hatcher	37.41 331	eP	P	18 09 19.9 +0.3
HVU	Hansel Valley	37.53 328	eP	P	18 09 21.0 +0.5
HVU	Hansel Valley	37.53 328	eP	P	18 09 21.0 +0.5
VES	Vestal, Richgr	37.64 315	P	P	18 09 22.7 +1.3
MDND	Maddock	37.65 3			

22d 18h

Table of astronomical observations for 22d 18h, listing stations like BMO, M04C, F10A, etc., with columns for station name, coordinates, and observation details.

2012 JUL

Main table of astronomical observations for July 2012, listing stations like KURK, DGZ, SONA1, etc., with columns for station name, coordinates, and observation details.

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Table of astronomical observations for 1138, listing stations like EKSZ, KK31, KK31, etc., with columns for station name, coordinates, and observation details.

22d 18h

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

MEX 22 18:19:05.2, 0.4, 16.02N:98.63W, h9km, 78km, MD3.7, Near coast of Guerrero

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

GUC 22 18:31:44.0, 4.0, 33.83S:72.32W, h39km, 7km, ML3.6

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GO05, ROCH, NICH, etc.

CASC 22 18:33:21.0, 1.1, 10.92N:87.51W, h12km, 44km, ML3.8, mb4.5(NEIC)

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

2012 JUL

Table with columns: YKA, ILAR, SONM, KRSR, ASAR, WRA, CMAR. Includes station names and coordinates.

SOME 22 18:33:53.5, 4.4, 33N:81.38E, h10km

NINC 22 18:33:53.8, 3.4, 44.56N:81.39E, h24km, 45km, mb3.0, mpa2.5, Error ellipse: s-maj=30.0km s-min=18.0km

ISC 22 18:33:51.0, 1.8, 44.27N:106.8172E, 0.08, h31km, 18km, n16, c093/30, 4C-2D, Northern Xinjiang

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

IDC 22 18:33:56.5, 5.6, 6.1, 94N:86.84W, h33km, 41km, mb4.0/B, mb1.4, 3/9, mb1mx3/8/48, mbtmp4.2/9, ML3.3/1, MS3.8/3, Ms1.3/3, ms1mx3/1/42, Error ellipse: s-maj=42.8km s-min=17.5km az=49.0

NEIC 22 18:33:57.3, 2.1, 11.81N:86.90W, h44km, 19km, mb4.5/18, Error ellipse: s-maj=22.3km s-min=10.2km az=60.0

ISC 22 18:33:56.0, 0.7, 11.6N:101.87W, 0.1, h35km, n250, c1546/235, mb4.4/26, MS3.6/3, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JDS, MIAR, JTS, ROSC, etc.

1140

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 152A, 154A, NATX, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TAZIN, U40A, T47A, U39A, T46A, WMOK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like O20A, F41A, F43A, F44A, F40A, G34A, F39A, F38A, F36A, LONY, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KNZ, SNGZ, URZ, RAHZ, MUZ, MTHZ, ARHZ, TARZ, MCHZ, BKZ, etc.

Table with columns: I39A, I41A, I37A, etc. Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Houston, Arkdale, Lemond, Waseca, etc.

Table with columns: SCH0, CPUP, YKA, etc. Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Schefferville, Villa Florida, Yellowknife, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LSA, LSA, LSA, etc. Includes Moment Tensor Solution details.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, DAVOX Davos/Dischmat, VAE Valguenera, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like CSEM 22:20:40:42.4, 35:60N:6:69W, h5km, CNRM 22:20:40:42.4, 35:60N:6:69W, h5km, Strait of Gibraltar.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like ISA 22:20:51:14.2, 0.7, 38:28N:0.03:141:93E:0.0, h59km, mb3.6/8, MS3.6/2, Error ellipse: s-maj=10.6km.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Honshu, JIO Orii, JIO Ofunato, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like H1N13 WAKE ISLAND Hy 28.45 124, H11S1 WAKE ISLAND Hy 29.19 126, H1S13 WAKE ISLAND Hy 29.126 T, etc.

ISCJB 22:20:58:31.8, 0.6:82N:0.04:73:15W:0.04, h148km, mb2.9/1, Error ellipse: s-maj=7.3km s-min=6.2km az=29.6, IDC 22:20:58:33.7, 2.4:40N:7:72W, h86km, 71km, mb2.9/1, mb1 3.5/2, mb1mx3.4/0.1, mbtmp3.5/2, ML2.7/1, Error ellipse: s-maj=85.1km s-min=38.1km az=33.0, RSNC 22:20:58:33.3, 1.1, 6.78N:73:15W, h142km, 5km, ML3.2, Mw3.4

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like n20, <math>\pm 96³/33, 2D, Northern Colombia, BARC Barichara, BRRC Barranca, Sants, BRRC Barranca, Sants, BRRC Barranca, Sants, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like CHIC Chingaza, DBBC Dabeiba, SJCC San Jacinto, C, VILC Villavicencio, etc.

ROM 22:21:29:29.3, 0.1, 44:88N:0.007:10:885E:0.009, h10km, ML2.7/23, ISCJB 22:21:29:31.4, 0.3, 44:88N:0.02:10:785E:0.04, h17km, 4km, Error ellipse: s-maj=4.5km s-min=3.2km az=30.0, CSEM 22:21:29:31.2, 0.3, 44:94N:1.0:12N:32M, ML2.7/13, Error ellipse: s-maj=7.7km s-min=3.6km az=141.0, LDG 22:21:29:31.4, 0.4, 44:88N:1.0:93E:0.03, ML2.7/1, Error ellipse: s-maj=8.8km s-min=4.8km az=96.0, STR 22:21:29:40.7, 1.5, 45:18N:8:1:0E:1.6, h0km, M3.6/5, MLV3.6/5

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like n104, <math>\pm 119³/143, 1C-5D, Northern Italy, NDIM Novi di Modena, NDIM Novi di Modena, NDIM Novi di Modena, etc.

Table with columns: KOTS, Kotyrbulak, 3.12 255 eP, Pg, 21 36 02.6 -1.1, etc.

Main table for the first section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table for the second section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table for the third section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Main table for the third section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table for the fourth section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table for the fifth section with columns: SRS, Serrai, 0.66 107 ePg, Pg, 22 11 04.1 -0.4, etc.

Main table for the fifth section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table for the sixth section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table with columns: DIVS, Divbare, 3.44 325 ePn, Pn, 22 11 45.8 +0.3, etc. Lists various station codes and their associated data.

NIED 22:12:12:00, 24.50N, 122.10E, h38km, Mw4.2 Best double couple: M2.560000*1015 NP1.3e270.00000, 818.00000, lambda-111.00000. NP2.3e112.00000, 873.00000, lambda-83.00000.
IDC 22:12:12:14.5:1.0, 24.34N, 121.95E, h0km, mb3.8/7, mb1 3.9/8, mb1mx3.5/60, mbmtmp3.9/8, ML3.6/1, MS3.2/10, Ms1 3.2/10, ms1mx2.9/68, Error ellipse: s-maj=43.1km s-min=19.7km az=62.0
BUJ 22:12:12:16.2:4.33N, 122.08E, h6km, mb3.9/2, ML3.6/5
ISCJB 22:12:12:18.5:0.3, 24.39N, 102.122.11E, 0.0, h23km, 3km, mb3.6/7, MS3.2/6, Error ellipse: s-maj=3.4km s-min=2.2km az=161.0
TAP 22:12:12:18.6:24.38N, 122.01E, h21km, ML4.3, B
JMA 22:12:12:19.3:0.2, 24.45N, 122.11E, h45km, 4km, M3.5
ISC 22:12:12:18.4:0.2, 24.36N, 102.122.08E, 0.2, h2km, 2km, n104, s190/131, mb3.9/7, MS3.1/6, 16C-10D, Taiwan region

Main table with columns: Code, Station Name, Delta A, AZ, Op, Phase ID, h, Time, Res, ISC. Lists station codes like EOS1, NANB, ENA, TWC, etc. and their corresponding data.

Main table with columns: Code, Station Name, Delta A, AZ, Op, Phase ID, h, Time, Res, ISC. Lists station codes like EHY, HSN, HSN, SMLT, etc. and their corresponding data.

DSN 22:12:15:45.3:1.0, 27.44N, 55.89E, h15km, ML3.3/9, Error ellipse: s-maj=20.8km s-min=6.5km az=65.0
IDC 22:12:15:52.1:4.6, 26.96N, 55.62E, h90km, 60km, mb3.1/4, mb1 3.1/5, mb1mx2.8/57, mbmtmp3.4/5, ML3.1/1, Error ellipse: s-maj=35.4km s-min=25.3km az=143.0
ISC 22:12:15:46.7:1.4, 27.33N, 104.55, 69E, 0.07, h22km, 13km, n43, s193/150, mb3.3/4, Southern Iran

Main table with columns: Code, Station Name, Delta A, AZ, Op, Phase ID, h, Time, Res, ISC. Lists station codes like WRA, WRA, ASAR, etc. and their corresponding data.

IDC 22:12:18:17.3:2.7, 1.22N, 123.88E, h326km, 26km, mb3.3/8, mb1 3.4/8, mb1mx3.0/54, mbmtmp4.0/7, Error ellipse: s-maj=51.0km s-min=9.0km az=67.0, Minahasa Peninsula, Sulawesi

Main table with columns: Code, Station Name, Delta A, AZ, Op, Phase ID, h, Time, Res, ISC. Lists station codes like WRA, WRA, ASAR, etc. and their corresponding data.

ATH 22:22:58.8, 41.06N, 20.08E, h19km, 1km, ML2.8/7, Error ellipse: s-maj=3.1km s-min=1.3km az=152.0
SKO 22:22:58.6, 40.91N, 19.93E, h0km, M2.4, ML2.8
THE 22:22:00.3, 41.00N, 20.14E, h0km, 2km, ML2.8/9, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CCB Clear Creek Bu, MDM Murphy Dome, IL1 Eielson Array, etc.

NIED 23 01:05:00.37:20N:141.50E, h50km, Mw3.9 Best double couple: M7.57000x1014 NP1.3x47.00000', 845.00000', 2.80.00000'...

JMA 23 01:05:54.5:0.1, 37.271N:141.53E, h47km±2km, M4.0 JMA Feit Ji Ji.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JFK Kawauchi, JFO Hitachi, JMT Marumori, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like USRK comp=2.80nm,19.5s, etc.

JMA 23 01:10:15.7, 36.88N:140.56E, h10km, M2.9, Near east coast of eastern Honshu

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

IDC 23 01:14:52.9:3.9, 37.29S:179.89E, h0km, mb4.0/2, mb1 4.2/3, mb1mx3.8/40, mbtmp4.0/3, ML3.5/1, Error ellipse: s-maj=108.9km s-min=38.0km az=147.0...

IDC 23 01:14:53.0:3.3, 37.72S:179.8W, 0.1, h12km±22km, n84, 0.99/101, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMGZ Watomatatini S, MXZ Maikataoka Point, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MRZ Mangatainoka R, HOW Holdsworth Sta, etc.

IDC 23 01:17:57.0:1.6, 4.69N:96.06E, h0km, mb3.6/5, mb1 3.7/5, mb1mx3.4/61, mbtmp3.6/5, Error ellipse: s-maj=65.3km s-min=22.7km az=54.0, Northern Sumatera

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

IDC 23 01:47:35.5:2.1, 17.18S:175.03W, h0km, mb3.9/6, mb1 4.3/6, mb1mx3.8/47, mbtmp3.9/6, Error ellipse: s-maj=138.9km s-min=23.5km az=152.0, Tonga Islands

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.

IDC 23 01:47:52.5:6.8, 17.56S:178.11W, h558km±83km, mb2.9/5, mb1 3.3/5, mb1mx2.8/47, mbtmp3.8/5, Error ellipse: s-maj=121.5km s-min=25.6km az=157.0, Fiji Islands 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.

IDC 23 01:48:28.2:2.9, 17.76S:177.18W, h0km, mb3.7/3, mb1 4.1/3, mb1mx3.5/47, mbtmp3.7/3, Error ellipse: s-maj=318.5km s-min=34.8km az=159.0, Fiji Islands 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.

ISCJB 23 02:01:38.5:0.5, 45.33N:0.08:141.9E:0.1, h314km±6km, mb3.0/5, Error ellipse: s-maj=14.1km s-min=11.6km az=146.9

IDC 23 02:01:38.8:1.2, 45.79N:141.80E, h281km±40km, mb2.9/5, mb1 3.0/6, mb1mx2.8/66, mbtmp3.6/6, Error ellipse: s-maj=81.7km s-min=18.2km az=178.0

JMA 23 02:01:39.0:0.3, 45.33N:0.09:141.93E, h305km M2.9, n21, 1.13/29, mb3.0/5, Hokkaido region

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

IDC 23 02:02:35.9:1.7, 27.68N:156.87E, h0km, mb3.7/6, mb1 3.8/7, mb1mx3.4/62, mbtmp3.7/7, ML4.2/1, MS3.5/1, Ms1 3.5/1, ms1mx2.6/60, Error ellipse: s-maj=34.7km s-min=28.2km az=53.0

TEH 23 02:02:37.3:2.7, 60N:56.74E, h13km, ML3.6, ISCJB 23 02:02:37.3:0.2, 67.63N:0.02:56.90E:0.06, h19km±4km, mb3.5/6, MS3.5/1, Error ellipse: s-maj=8.6km s-min=4.0km az=172.7

OMAN 23 02:02:37.5:3.1, 27.52N:57.03E, h13km, Error ellipse: s-maj=19.5km s-min=5.0km az=1.0

DSN 23 02:02:39.1:1.2, 27.63N:56.77E, h15km, ML3.8/8, Error ellipse: s-maj=42.8km s-min=6.0km az=108.0

CSEM 23 02:02:39.2:0.2, 27.56N:56.75E, h10km, ML3.6, Error ellipse: s-maj=7.9km s-min=4.0km az=82.0

ISC 23 02:02:38.1:0.7, 27.54N:0.03:56.80E:0.05, h15km±5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like AFI Afiamalu, DZM Mont Dzumac, RAR Rarotonga, etc.

Table with columns: SNA, Sname, Time, Res, ISC. Rows include stations like JTS JuntasAbangare, ULM Lac du Bonnet, NNA Nana, etc.

Table with columns: PVCC, Pname, Time, Res, ISC. Rows include stations like Panska Ves, Kraliky, Pruhonice, etc.

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like SFJD, Kangerlussuaq, FIAO, etc.

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like ROSF, SGFM, VYHS, etc.

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes stations like AAK, D37A, D35A, etc.

O49A Covington	50.36 276	P	P	04 47 39.2	-1.3	R42A Luebbering	53.38 282	P	P	04 48 02.1	-0.9	W49A Belvidere	55.64 277	P	P	04 48 17.5	-2.0
O48A Farmland	50.44 277	P	P	04 47 40.3	-0.8	S46A Don Dixon Farm	53.41 279	P	P	04 48 02.9	-0.3	X53A Estanolley	55.70 274	P	P	04 48 18.4	-1.5
N44A Piper City	50.46 280	P	P	04 47 40.3	-0.9	T51A Gray	53.42 275	P	P	04 48 02.5	-0.9	U39A Green Forest	55.71 284	P	P	04 48 18.2	-1.8
M40A Post Highland	50.47 284	P	P	04 47 40.2	-1.1	N23A Red Feather La	53.44 297	P	P	04 48 02.9	-0.9	X52A Dahlonega	55.71 274	P	P	04 48 18.9	-1.2
N43A Stutzman Famil	50.51 281	P	P	04 47 40.6	-1.0	N23A Red Feather La	53.44 297	eP	P	04 48 04.0	+0.2	TMUT Trail Mountain	55.85 301	eP	P	04 48 22.3	+1.0
M39A Webster	50.52 284	P	P	04 47 40.8	-0.9	R41A Rosebud	53.47 283	P	P	04 48 02.1	-1.6	HHAR Hobbs	55.89 284	eP	P	04 48 20.1	-1.2
O47A Sheridan	50.65 278	P	P	04 47 41.9	-0.8	NCAT North Carolina	53.52 271	eP	P	04 48 04.6	+0.6	V42A Cord	55.90 282	P	P	04 48 19.8	-1.5
SFIN Lafayette	50.68 279	P	P	04 47 42.1	-0.8	T50A Nancy	53.53 276	P	P	04 48 02.8	-1.3	X51A Calhoun	55.92 275	P	P	04 48 20.1	-1.4
MCMT McKenzie Canyo	50.69 304	eP	P	04 47 43.8	+0.6	T49A Edmont	53.57 277	P	P	04 48 03.7	-0.8	V41A Mountainview	56.05 283	P	P	04 48 21.1	-1.4
M38A Pleasantville	50.76 285	P	P	04 47 42.5	-1.0	KSU1 Kansas State U	53.61 288	P	P	04 48 03.7	-1.0	V40A Witts Springs	56.15 283	P	P	04 48 21.2	-2.0
H17A Grant Village	50.77 302	P	P	04 47 43.4	-0.4	R40A Maddies Statio	53.63 283	P	P	04 48 03.3	-1.6	X50B Fort Payne	56.17 276	P	P	04 48 21.6	-1.7
P50A Jamestown	50.83 276	P	P	04 47 43.4	-0.6	R40A Maddies Statio	53.63 283	eP	P	04 48 03.9	-1.0	PV22 Blue Mesa, Pa	56.21 299	eP	P	04 48 24.2	+0.4
YPP Pitchstone Pla	50.92 302	eP	P	04 47 47.2	+2.1	S44A Carbondale	53.68 280	P	P	04 48 04.0	-1.2	Y54A Tignall	56.21 273	P	P	04 48 22.6	-1.0
N40A Merguake, Sal	50.99 284	P	P	04 47 44.2	-1.1	CCM Cathedral Cave	53.68 282	P	P	04 48 03.7	-1.5	PV21 Cone Mtn., Pa	56.21 299	eP	P	04 48 24.4	+0.6
P49A Miami Univ. Ec	51.07 277	P	P	04 47 45.4	-0.4	CCM Cathedral Cave	53.68 282	eP	P	04 48 05.0	-0.2	X49A Woodville	56.24 277	P	P	04 48 22.4	-1.4
FLWY Flagg Ranch	51.09 302	eP	P	04 47 48.2	+1.9	CCM Cathedral Cave	53.68 282	eP	P	04 48 05.0	-0.2	V39A Pettigrew	56.27 284	P	P	04 48 21.7	-2.4
O44A Mansfield	51.15 280	P	P	04 47 46.3	-0.1	CCM Cathedral Cave	53.68 282	eP	P	04 48 05.0	-0.2	PV09 Paradox Valley	56.30 299	eP	P	04 48 25.3	+0.8
N39A Derby Farms, D	51.16 284	P	P	04 47 45.2	-1.3	T48A Bowling Green	53.73 277	P	P	04 48 04.9	-0.7	PV23 Carpenter Ridg	56.30 299	eP	P	04 48 25.4	+0.7
N39A Derby Farms, D	51.16 284	eP	P	04 47 46.4	-0.2	R39A Chumby, Stover	53.75 284	P	P	04 48 04.5	-1.2	PV12 Saucer Basin	56.42 299	eP	P	04 48 26.3	+0.9
CVRD Centerville Ro	51.23 269	eP	P	04 47 47.9	+0.8	U53A Fall Branch	53.76 274	P	P	04 48 05.2	-0.6	X48A Hartselle	56.43 277	P	P	04 48 24.3	-0.8
P48A Milroy	51.27 277	P	P	04 47 46.7	-0.7	TZTN Tazewell	53.76 275	P	P	04 48 05.1	-0.7	SDCO Great Sand Dun	56.45 296	P	P	04 48 23.9	-1.6
IMW Indian Meadow	51.31 302	eP	P	04 47 49.0	+1.0	TZTN Tazewell	53.76 275	eP	P	04 48 05.3	-0.6	SDCO Great Sand Dun	56.45 296	eP	P	04 48 25.2	-0.4
Q51A Peebles	51.31 275	P	P	04 47 47.6	0.0	U52A Thorn Hill	53.87 274	P	P	04 48 06.3	-0.4	PV16 Nyswonger Mesa	56.45 299	eP	P	04 48 26.3	+0.8
P47A Martinsville	51.39 278	P	P	04 47 47.1	-1.2	S42A Caledonia	53.88 282	P	P	04 48 05.5	-1.2	PV11 Dav Mesa, Pa	56.45 299	eP	P	04 48 26.3	+0.8
MOOW Moose Ponds	51.42 302	eP	P	04 47 49.4	+0.6	S43A Fulton Ridge	53.94 281	P	P	04 48 05.6	-1.6	Y52A Liburn	56.46 274	P	P	04 48 24.3	-1.0
LOHW Long Hollow	51.53 302	eP	P	04 47 49.5	-0.1	T47A Sharon Grove	53.97 278	P	P	04 48 05.9	-1.5	Y52A Liburn	56.46 274	eP	P	04 48 25.1	-0.3
FXWY Fox Creek	51.57 302	eP	P	04 47 50.0	+0.1	U51A La Follette	54.00 275	P	P	04 48 06.8	-0.8	PV19 Morning Glory	56.46 299	eP	P	04 48 25.9	+0.4
N37A Lee Faris, Mou	51.58 286	eP	P	04 47 48.5	-1.2	R38A Fenwick Farm,	54.03 285	P	P	04 48 06.3	-1.4	NHSC New Hope	56.48 270	P	P	04 48 24.2	-1.3
Q50A Georgetown	51.60 276	P	P	04 47 49.0	-0.8	T46A Princeton	54.06 279	P	P	04 48 06.9	-1.1	PV17 East Wray Mesa	56.48 299	eP	P	04 48 26.4	+0.7
Q49A Aurora	51.61 277	P	P	04 47 48.8	-1.1	U50A Princeton	54.06 279	P	P	04 48 06.9	-1.1	PV03 Paradox Valley	56.49 299	eP	P	04 48 26.3	+0.5
O41A Passleys Farm,	51.61 283	P	P	04 47 48.7	-1.2	S41A Jillico Farms,	54.23 283	P	P	04 48 07.0	-1.5	PV18 Skin Mesa, Pa	56.51 299	eP	P	04 48 26.7	+0.8
TPAW Teton Pass	51.71 302	eP	P	04 47 50.3	-0.6	U48A Cassie Pea, Po	54.34 277	P	P	04 48 07.6	-1.6	X47A Russelville	56.51 278	P	P	04 48 24.4	-1.4
BLO Bloomington	51.74 278	eP	P	04 47 50.2	-0.7	S40A Lebanon	54.35 283	P	P	04 48 08.8	-1.3	PV02 Paradox Valley	56.52 299	eP	P	04 48 27.2	+1.1
BLO Bloomington	51.74 278	eP	P	04 47 50.2	-0.7	S39A Bolivar	54.41 284	P	P	04 48 09.1	-1.5	WHAR Woolly Hollow	56.56 283	eP	P	04 48 25.1	-1.0
O40A La Belle	51.78 284	P	P	04 47 49.6	-1.5	S39A Bolivar	54.41 284	eP	P	04 48 09.4	-1.1	TUL1 Leonard	56.58 286	P	P	04 48 24.8	-1.4
K22A Casper	51.83 298	P	P	04 47 50.1	-1.6	V52A Sevierville	54.45 274	P	P	04 48 09.8	-1.1	PV13 Radium Mtn.,	56.58 299	eP	P	04 48 27.3	+0.9
K22A Casper	51.83 298	eP	P	04 47 51.1	-0.5	V52A Sevierville	54.45 274	eP	P	04 48 10.9	0.0	Y51A Rockmart	56.61 275	P	P	04 48 25.0	-1.4
P44A Sand Creek, Wi	51.84 280	P	P	04 47 50.5	-1.1	T43A Greenville	54.45 281	P	P	04 48 10.4	-1.5	S22A 4UR Ranch, Cre	56.66 297	P	P	04 48 24.9	-2.3
O48A North Vernon	51.84 277	P	P	04 47 50.7	-0.8	ISCO Idaho Springs	54.46 296	P	P	04 48 10.9	-1.5	S22A 4UR Ranch, Cre	56.66 297	eP	P	04 48 27.8	+0.7
R52A Catlettsburg	51.85 274	P	P	04 47 50.8	-0.9	V53A Saluda	54.47 274	P	P	04 48 10.0	-1.1	W41B Gary Mayo, V	56.66 283	P	P	04 48 25.9	-0.9
Q47A Bedford North L	51.96 278	P	P	04 47 51.4	-1.1	V53A Saluda	54.47 274	eP	P	04 48 11.2	+0.1	LZH Lanzhou	56.69 72	eP	P	04 48 24.3	-2.9
P42A Winchester	52.03 282	eP	P	04 47 51.4	-1.6	U47A Clarksville	54.54 278	P	P	04 48 10.2	-1.3	LZH Lanzhou	56.69 72	eP	P	04 48 30.0	+0.9
R51A Hillsboro	52.06 275	P	P	04 47 52.5	-0.7	O20A White River Ci	54.56 299	P	P	04 48 12.2	+0.3	LZH Lanzhou	56.69 72	eP	P	04 48 33.6	+5.0
HLID Hailey	52.16 305	P	P	04 47 53.5	-0.7	O20A White River Ci	54.56 299	eP	P	04 48 12.6	+0.7	MSU Marysville	56.77 302	eP	P	04 48 29.2	+1.4
BW06 Boulder Array	52.20 301	P	P	04 47 53.5	-1.0	S38A Stockton	54.57 285	P	P	04 48 10.2	-1.5	MU44 Godfrey	56.77 302	eP	P	04 48 29.2	+1.4
BW06 Boulder Array	52.20 301	eP	P	04 47 54.8	+0.3	V51A Loudon	54.62 275	P	P	04 48 11.4	-0.8	GOGA Godfrey	56.79 274	P	P	04 48 25.9	-1.8
PD31 Pinedale Array	52.20 301	eP	P	04 47 53.7	-0.8	V51A Loudon	54.62 275	eP	P	04 48 12.4	+0.3	OXF Oxford	56.80 280	P	P	04 48 26.4	-1.4
PDAR Pinedale Array	52.20 301	eP	P	04 47 54.8	+0.3	T42A Van Buren	54.65 282	P	P	04 48 10.6	-1.7	TAM Tamarasnet	56.80 177	eP	P	04 48 29.9	+1.8
PDAR Pinedale Array	52.20 301	eP	P	04 47 54.8	+0.3	T42A Van Buren	54.65 282	eP	P	04 48 11.2	-1.1	TAM Tamarasnet	56.80 177	eP	P	04 48 31.0	+2.9
PDAR Pinedale Array	52.20 301	eP	P	04 47 54.1	-0.4	TKL Tuckaleechee C	54.66 274	eP	P	04 48 11.8	-0.6	Z54A Sparta	56.85 273	P	P	04 48 27.1	-0.9
R50A Paris	52.21 276	P	P	04 47 54.0	-0.4	TKL Tuckaleechee C	54.66 274	eP	P	05 11 54.4	0.0	X45A UM Field Stati	56.88 280	P	P	04 48 27.0	-1.4
R49A Shelbyville	52.35 277	P	P	04 47 54.7	-0.7	TKL Tuckaleechee C	54.66 274	eP	P	04 48 12.4	0.0	Y49A Blount Mountai	56.89 277	P	P	04 48 27.0	-1.4
P40A Paris	52.39 284	P	P	04 47 54.8	-0.9	TKL Tuckaleechee C	54.66 274	eP	P	04 48 12.4	0.0	W39A Magazine	56.92 284	P	P	04 48 27.3	-1.2
P40A Paris	52.39 284	eP	P	04 47 55.0	-0.9	TKL Tuckaleechee C	54.66 274	eP	P	04 48 12.4	0.0	Z53A Monticello	56.94 274	P	P	04 48 27.0	-1.7
BLA Blacksburg	52.54 272	P	P	04 47 56.2	-0.7	TKL Tuckaleechee C	54.66 274	eP	P	04 48 12.2	-0.6	Y48A Jasper	56.96 277	P	P	04 48 26.9	-2.1
BLA Blacksburg	52.54 272	eP	P	04 47 56.8	-0.1	KMSC Kings Mountain	54.72 272	P	P	04 48 12.2	-0.6	X43A Marvel	57.06 281	P	P	04 48 28.1	-1.4
BLA Blacksburg	52.54 272	eP	P	04 47 56.8	-0.1	T41A Mountain View	54.76 283	P	P	04 48 11.7	-1.4	Y47A UCFARC, Winfie	57.11 278	P	P	04 48 28.2	-1.7
BLA Blacksburg	52.54 272	eP	P	04 47 56.8	-0.1	PBMO Poplar Bluff	54.78 281	eP	P	04 48 12.2	-1.0	Z52A Williamson	57.18 274	P	P	04 48 29.1	-1.4
P39B Salisbury	52.56 284	P	P	04 47 55.8	-1.1	T40A Mansfield	54.79 283	P	P	04 48 11.6	-1.7	MTPU Mount Pierson	57.23 302	eP	P	04 48 32.7	+1.5
S52A Salyersville	52.57 274	P	P	04 47 56.6	-0.5	V50A Pikeville	54.89 276	P	P	04 48 12.5	-1.6	Y46A Houston	57.31 279	P	P	04 48 29.8	-1.5
R47A Wooly Knot Far	52.60 278	P	P	04 47 56.0	-1.2	BJJ Beijing	54.90 60f	eP	P	04 48 12.9	-1.1	X41A Kaden, Bauxite	57.37 283	P	P	04 48 30.0	-1.8
CN2 Changchun	52.60 50	eP	P	04 48 00.8	+3.6	WVT Waverly	54.94 279	P									

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like GLVR, JRA, JRV, JNK, JUK, KUR, etc.

ISK 23 05:59:51.9, 39.38N-25.94E, h13km, ML2.3/16
DDA 23 05:59:52.9, 39.46N-26.02E, h7km, ML2.8
ISCJB 23 05:59:52.0, 39.38N-25.97E, h10km, 3km,
Error ellipse: s-maj=4.5km s-min=3.1km az=175.2
THE 23 05:59:52.5, 39.40N-25.97E, h2km, 1km, ML2.1/4, Error
ellipse: s-maj=1.1km s-min=0.3km az=187.0
ATH 23 05:59:53.0, 39.37N-25.95E, h11km, 5km, ML2.1/5, Error
ellipse: s-maj=5.6km s-min=0.9km az=193.0
CSEM 23 05:59:52.4, 0.1, 39.38N-25.95E, h11km, ML2.3, Error
ellipse: s-maj=2.3km s-min=1.4km az=75.0
ISC 23 05:59:52.0, 8, 39.39N-25.92E, h13km, 5km,
n67, c040/103, Aegean Sea

Main table for 1159 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like GPNR, SGR, PRK, BOZC, EZN, AYVA, BAYC, GADA, CHOS, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like SBT3, MARMARA-EREGLI, etc.

MEX 23 06:07:32.0, 5.85N-125.79E, h52km, mb4.6, ML3.5, MS3.3,
ID, Mindanao
Code Station Name Az AzZ Phase ID Time Res I S C
DDMP Don Marcelino, 0.26 343 Op Pn 06 07 43.2 +2.1
GSPH General Santos, 0.87 286 I/P S S 06 07 47.4 -0.7
MATI Mati, 1.18 23 eP S S 06 07 53.1 +0.8
SKMP Bagumbayan, Su 1.41 298 eP S S 06 08 08.3 +1.0
BUKP Musuan, 2.14 340 eP S S 06 08 07.1 +1.7

MEX 23 06:33:09.9, 0.3, 16.23N-98.18W, h4km, 2km, MD3.6, Near
coast of Guerrero
Code Station Name Az AzZ Phase ID Time Res I S C
PNIG Pinotepa, 0.17 16 eP P S 06 33 13.1 -0.2
TLIG Tiapa, 1.38 344 eP S S 06 33 42.4 -3.7
VHO Vista Hermosa, 1.62 59 eP S S 06 33 35.5 -3.9

ISCJB 23 06:40:34.9, 0.2, 16.10S-173.62W, 0.05, h10km,
mb4.6/99, MS4.0/7, Error ellipse: s-maj=8.2km
s-min=4.5km az=35.0
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

ISCJB 23 06:40:34.9, 0.2, 16.10S-173.62W, 0.05, h10km,
mb4.4/25,
mb1.4, 6.2/7, mb2.0mx, 5.6/20, mbmp4.5/27, ML4.1/2, MS3.7/9,
ms1.3/7.9, ms1.1mx, 3.4/2.6, Error ellipse: s-maj=1.6km
s-min=1.1, 7km az=126.0
NEIC 23 06:40:36.5, 0.1, 16.07S-173.59W, h10km, mb4.7/78,
Error ellipse: s-maj=6.7km s-min=3.6km az=127.0
BUJ 23 06:40:37.2, 15.93S-173.54W, h20km, mb5.0/13, mb5.3/9,
MS5.2/5, MS7.5/0.6

ISC 23 06:40:36.4, 0.3, 16.01S-170.07X, 48W, 0.07, h10km,
n254, c1906/237, mb4.7/99, MS4.0/7, 13C-12D, Tonga
Islands
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

ISC 23 06:40:36.4, 0.3, 16.01S-170.07X, 48W, 0.07, h10km,
n254, c1906/237, mb4.7/99, MS4.0/7, 13C-12D, Tonga
Islands
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

ISC 23 06:40:36.4, 0.3, 16.01S-170.07X, 48W, 0.07, h10km,
n254, c1906/237, mb4.7/99, MS4.0/7, 13C-12D, Tonga
Islands
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

ISC 23 06:40:36.4, 0.3, 16.01S-170.07X, 48W, 0.07, h10km,
n254, c1906/237, mb4.7/99, MS4.0/7, 13C-12D, Tonga
Islands
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

ISC 23 06:40:36.4, 0.3, 16.01S-170.07X, 48W, 0.07, h10km,
n254, c1906/237, mb4.7/99, MS4.0/7, 13C-12D, Tonga
Islands
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

ISC 23 06:40:36.4, 0.3, 16.01S-170.07X, 48W, 0.07, h10km,
n254, c1906/237, mb4.7/99, MS4.0/7, 13C-12D, Tonga
Islands
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

ISC 23 06:40:36.4, 0.3, 16.01S-170.07X, 48W, 0.07, h10km,
n254, c1906/237, mb4.7/99, MS4.0/7, 13C-12D, Tonga
Islands
Code Station Name Az AzZ Phase ID Time Res I S C
AFI Afiamalu, 2.66 39 Pn Pn 06 41 19.1 -0.3
AFI 362nm, 0.3s, baz=52, slow=23, SNR=16
AFI comp=Z, 236nm, 21.1s, baz=196, slow=32, SNR=2.1

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like WRAB, WRA, WRA, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like ASO1, AS31, ASAR, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like ASAR, MTN, RPN, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like SOEI, SBA, VNSA, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like VNSA, VNSA, MJAR, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like ASAJ, ASAJ, JNU, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like JNU, PEAB, PETK, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like PETK, YSS, QSPA, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like QSPA, YBH, WAKR, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like WAKR, NV01, NVAR, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like NVAR, KDAK, MOD, etc.

Table for 1159 continuation with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, I, S, C. Includes stations like MOD, K05A, PINE, etc.

23d 6h

N42A	Yates City	62.79	58	P	P	07 04 57.0	-1.9
EKS2	Erkin-Say	62.85	305	P	P	07 04 60.0	+0.6
O41A	Pasleys Farm,	62.86	59	P	P	07 07 59.9	-1.4
L44A	Lake County Fo	62.91	56	P	P	07 04 58.0	-1.6
M43A	Waltham Townsh	62.91	57	P	P	07 04 58.3	-1.4
VAF	Ylistaro	62.93	345	eP	pmax	07 05 00.1	+0.7
R39A	Chumby, Stover	63.00	62	P	P	07 04 57.7	-2.6
S38A	Stockton	63.02	63	P	P	07 04 57.8	-2.6
Q40A	Laux Farm, Aux	63.03	61	P	P	07 04 58.7	-1.8
P41A	Barry, Barry	63.08	59	P	P	07 04 59.3	-1.5
N43A	Stutzman Famil	63.16	57	P	P	07 04 59.9	-1.4
LP1G	La Paz	63.16	65	LR	LR	07 26 39.0	
TUL1	Leonard	63.21	65	P	P	07 05 00.3	-1.5
TUL1	Leonard	63.21	65	eP	pmax	07 05 00.7	-1.0
O42A	Bath	63.22	58	P	P	07 05 00.3	-1.4
T38A	Diamond	63.24	64	P	P	07 04 59.8	-2.1
AML	Almayashu	63.28	305	P	P	07 05 03.3	+0.7
S39A	Bolivar	63.30	62	P	P	07 05 01.1	-1.1
S39A	Bolivar	63.30	62	eP	pmax	07 05 03.3	-1.9
ABTX	Abilene, Hawle	63.38	71	P	P	07 05 02.6	-0.3
ABTX	Abilene, Hawle	63.38	71	eP	pmax	07 05 02.7	-0.3
TX31	Lajitas Ar. Si	63.38	76	eP	pmax	07 05 02.9	-0.2
TXAR	Lajitas Array	63.38	76	P	P	07 05 02.9	-0.2
TXAR	comp-Z,220nm,0.7s,baz=301,slow=4.0,SNR=251					07 29 40.0	
TXAR	comp-Z,298nm,21.0s,baz=0.0,slow=33					07 34 08.5	
TXAR	comp-Z,0.2nm,0.8s,baz=90,slow=1.8,SNR=2.6					07 34 18.2	
M44A	Midewin, Midew	63.41	56	P	P	07 05 01.6	-1.4
M44A	Midewin, Midew	63.41	56	eP	pmax	07 05 02.1	-0.9
R40A	Maddies Statio	63.44	61	P	P	07 05 01.0	-2.2
R40A	Maddies Statio	63.44	61	eP	pmax	07 05 01.0	-2.2
Q41A	Truxton	63.51	60	P	P	07 05 02.3	-1.3
P42A	Winchester	63.53	59	P	P	07 05 02.4	-1.3
P42A	Winchester	63.53	59	eP	pmax	07 05 02.4	-1.3
O43A	Sugar Creek Fa	63.56	58	P	P	07 05 02.7	-1.3
T39A	Cleaver	63.75	63	P	P	07 05 03.0	-2.3
N44A	Piper City	63.80	57	P	P	07 05 04.4	-1.1
S40A	Lebanon	63.81	62	P	P	07 05 03.3	-2.4
M45A	Bollermakers S	63.82	56	P	P	07 05 03.8	-1.8
F15A	FINESS Array S	63.86	343	eP	pmax	07 05 04.8	-0.8
F15A	FINESS Array B	63.86	343	P	P	07 05 04.9	-0.7
F15ES	comp-Z,26nm,0.8s,baz=19,slow=12,SNR=36					07 37 25.8	
R41A	Rosebud	63.91	61	P	P	07 05 04.6	-1.7
Q42A	Golden Ar	63.92	60	P	P	07 05 05.2	-1.1
P43A	Skaggs, Pawnee	63.92	59	P	P	07 05 04.8	-1.5
HP1G	comp-Z,24nm,1.0s	63.92	79	eP	pmax	07 05 06.1	-0.6
HHAR	Hobbs	63.98	64	eP	pmax	07 05 05.1	-1.7
KSH	Kashi	64.01	301	P	P	07 05 11.3	+4.2
KSH	Kashi			eP	pmax	07 05 25.3	+1.0
KSH	Kashi			eP	pmax	07 05 45.0	+2.6
KSH	Kashi			S		07 13 43.3	+1.1
KSH	Kashi			SS		07 14 57.9	-1.9
KSH	Kashi			SS		07 17 54.6	+4.3
KSH	comp-Z,46nm,1.2s						
KSH	comp-Z,170nm,5.1s						
KSH	comp-Z,420nm,13.7s						
KSH	comp-Z,510nm,14.3s						
N45A	Kentland	64.08	56	P	P	07 05 06.3	-1.1
O44A	Mansfield	64.10	57	P	P	07 05 05.9	-1.6
AKTO	Aktyubinsk	64.12	320	P	P	07 05 07.6	+0.1
AKTO	comp-Z,38nm,0.9s,baz=54,slow=8.5,SNR=62					07 35 40.2	
AKTO	comp-Z,497nm,18.5s,baz=37,slow=38					07 05 06.9	-0.6
T40A	Mansfield	64.13	62	P	P	07 05 05.7	-2.1
KK31	Karatay Array	64.15	307	eP	pmax	07 05 07.7	-0.2
KK31	Karatay Array	64.15	307	iP	pmax	07 05 07.5	-0.3
KK31	comp-Z,10.0nm,0.7s						
KKAR	Karatay Array	64.15	307	eP	pmax	07 05 07.8	-0.1
U39A	Green Forest	64.16	64	P	P	07 05 06.2	-1.8
CCM	Cathedral Cave	64.16	61	P	P	07 05 06.6	-1.4
CCM	Cathedral Cave	64.16	61	eP	pmax	07 05 06.4	-1.5
CCM	Cathedral Cave	64.16	61	eP	pmax	07 05 06.4	-1.5
CCM	comp-Z,13nm,0.8s						
S41A	Jilico Farms,	64.23	61	P	P	07 05 06.5	-2.0
R42A	Luebbing	64.24	60	P	P	07 05 06.6	-1.8
AB31	Akbulak array	64.26	318	iP	pmax	07 05 08.6	+0.2
AB31	comp-Z,12nm,0.6s						
ABKAR	Akbulak array	64.26	318	eP	pmax	07 05 08.3	-0.1
M46A	Old House Fiel	64.26	55	P	P	07 05 06.8	-1.7
M46A	Old House Fiel	64.26	55	eP	pmax	07 05 07.5	-1.1
KL6B	Killbear Provi	64.30	49	P	P	07 05 06.3	-2.4
Q43A	New Douglas	64.34	59	P	P	07 05 08.0	-1.1
BMRO	Merriville Lake	64.40	50	P	P	07 05 08.3	-1.2
O45A	Potomac	64.42	57	P	P	07 05 08.6	-0.9
UBPT	Khong Chiam	64.43	262	P	P	07 05 24.7	+1.5
N46A	Monticello	64.45	56	P	P	07 05 08.4	-1.4
V39A	Pettigrew	64.46	64	P	P	07 05 08.3	-1.8
P44A	Sand Creek, WI	64.52	58	P	P	07 05 09.0	-1.3
U40A	Yellville	64.52	63	P	P	07 05 08.5	-1.8
BUKO	Buck Lake	64.61	48	P	P	07 05 09.4	-1.4
S42A	Caledonia	64.61	61	P	P	07 05 09.3	-1.6

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T41A	Mountain View	64.62	62	P	P	07 05 08.6	-2.3
BASO	Ashfield	64.63	50	P	P	07 05 10.6	-0.3
SFIN	Lafayette	64.64	56	P	P	07 05 09.7	-1.3
SFIN	Lafayette	64.64	56	eP	pmax	07 05 10.0	-1.1
FVM	French Village	64.65	60	eP	pmax	07 05 10.3	-0.9
FVM	French Village	64.65	60	eP	pmax	07 05 10.3	-0.9
R43A	Red Bud	64.70	60	P	P	07 05 10.0	-1.5
Q44A	Meyer Farm, Va	64.73	59	P	P	07 05 09.9	-1.7
BWLO	Walkerton	64.80	50	P	P	07 05 10.6	-1.4
L48A	N Adams	64.83	54	P	P	07 05 11.0	-1.3
JCT	Junction City	64.84	72	P	P	07 05 11.8	-0.7
JCT	Junction City	64.84	72	eP	pmax	07 05 11.3	-1.3
JCT	Junction City	64.84	72	eP	pmax	07 05 11.3	-1.3
W39A	Magazine	64.86	65	P	P	07 05 11.2	-1.4
W39A	Magazine	64.86	65	eP	pmax	07 05 11.4	-1.1
P45A	Graceland, Par	64.94	57	P	P	07 05 11.5	-1.5
P45A	Graceland, Par	64.94	57	eP	pmax	07 05 11.6	-1.4
V40A	Witts Springs	64.94	64	P	P	07 05 11.6	-1.6
V40A	Witts Springs	64.94	64	eP	pmax	07 05 11.5	-1.6
CLWO	Collingwood	64.94	49	P	P	07 05 11.5	-1.5
AAM	Ann Arbor	64.95	53	P	P	07 05 11.7	-1.3
T42A	Van Buren	64.99	61	P	P	07 05 11.2	-2.2
T42A	Van Buren	64.99	61	eP	pmax	07 05 11.4	-2.0
M48A	Edgerton	65.03	54	P	P	07 05 11.9	-1.6
L49A	Milan	65.04	53	P	P	07 05 12.3	-1.3
U41A	Viola	65.05	63	P	P	07 05 11.7	-2.0
SHL	Shilong	65.07	280	eP	pmax	07 05 14.2	-0.1
SHL	Shilong	65.07	280	P	P	07 05 14.7	+0.5
WHTX	Lake Whitney,	65.11	70	P	P	07 05 13.6	-0.6
WHTX	Lake Whitney	65.11	70	eP	pmax	07 05 13.8	-0.4
S43A	Fulton Ridge,	65.14	60	P	P	07 05 13.0	-1.4
P46A	Rosedale	65.15	57	P	P	07 05 13.3	-1.1
X39A	Fountain Ranch	65.17	65	P	P	07 05 13.8	-0.8
R44A	Waltonville	65.18	59	P	P	07 05 13.0	-1.5
PMG	Port Moresby	65.19	209	LR	LR	07 28 59.4	
Q45A	Warren Harvey,	65.19	58	P	P	07 05 13.6	-1.0
O47A	Sheridan	65.22	56	P	P	07 05 12.8	-2.1
SADO	Sadowa	65.24	48	eP	pmax	07 05 12.8	-2.1
W40A	Ferguson Farm,	65.25	64	P	P	07 05 14.0	-1.1
W40A	Ferguson Farm,	65.25	64	eP	pmax	07 05 14.2	-0.9
V41A	Mountainview	65.33	63	P	P	07 05 13.7	-1.9
OLIL	Olney	65.34	58	eP	pmax	07 05 13.9	-1.6
T43A	Greenville	65.39	61	P	P	07 05 14.4	-1.6
M49A	Libby Center	65.41	54	P	P	07 05 14.5	-1.5
PEMO	Pembroke	65.41	47	P	P	07 05 13.7	-2.3
U42A	Reyden	65.41	62	P	P	07 05 13.8	-2.3
ELFO	Elginfield	65.41	51	P	P	07 05 15.4	-0.6
MIAR	Mount Ida	65.45	65	P	P	07 05 15.4	-0.9
MIAR	Mount Ida	65.45	65	eP	pmax	07 05 15.6	-0.8
MIAR	Mount Ida	65.45	65	eP	pmax	07 05 15.6	-0.8
S44A	Carbondale	65.49	60	P	P	07 05 15.3	-1.4
Q46A	CEJHS Indians,	65.51	58	P	P	07 05 15.4	-1.3
PBMO	Poplar Bluff	65.54	61	eP	pmax	07 05 15.5	-1.4
R45A	Skylar, Fairir	65.57	59	P	P	07 05 15.8	-1.3
BANO	Bancroft	65.61	47	P	P	07 05 15.7	-1.6
WHAR	Woolly Hollow	65.62	64	eP	pmax	07 05 16.0	-1.4
ACTO	Acton	65.69	50	P	P	07 05 17.5	-0.4
W41B	Gary Mavity, V	65.72	64	P	P	07 05 16.8	-1.4
W41B	Gary Mavity, V	65.72	64	eP	pmax	07 05 16.6	-1.5
O48A	Farmland	65.73	55	P	P	07 05 16.1	-2.0
P47A	Martinsville	65.73	57	P	P	07 05 16.6	-1.5
V42A	Cord	65.73	63	P	P	07 05 16.1	-2.1
CMMT	Chiang Mai	65.75	270	P			

OBN	Obninsk	67.31 335	eP	P	07 05 28.2	+0.3
OBN	Obninsk	67.31 335c	iP	P	07 05 27.5	-0.4
OBN			i		07 05 42.6	
OBN			eSS	SS	07 07 54.9	
OBN			pmax	pmax	07 18 39.9	-0.4
OBN				MLR		
BRDH	Bariadhala	67.36 278	LR	LR	07 39 18.0	
MMNVY	Mt. Morris Dam	67.38 49	eP	P	07 05 26.6	-2.0
X44A	Crenshaw	67.38 63	P	P	07 05 27.8	-1.0
Q50A	Georgetown	67.39 56	P	P	07 05 27.5	-1.2
Y43A	Makayla and Ka	67.39 64	P	P	07 05 27.8	-1.0
KKK	Kakani	67.39 286	eP	P	07 05 30.0	+0.8
W45A	Hickory Valley	67.42 62	P	P	07 05 28.0	-0.9
LONY	Lake Ozonia	67.42 46	P	P	07 05 28.0	-0.9
LONY	Lake Ozonia	67.42 46	eP	P	07 05 27.3	-1.6
WVT	Waverly	67.42 60	P	P	07 05 27.7	-1.2
WVT	Waverly	67.42 60	eP	P	07 05 27.8	-1.2
WVT	Waverly	67.42 60	eP	pmax	07 05 27.8	-1.2
T48A	Bowling Green	67.44 58	P	P	07 05 28.3	-0.8
U47A	Clarksville	67.47 59	P	P	07 05 28.6	-0.7
PKIN	Phulchoki	67.48 286	eP	P	07 05 30.8	+1.0
M54A	Oil Creek Stat	67.49 51	P	P	07 05 28.3	-1.1
M54A	Oil Creek Stat	67.49 51	eP	P	07 05 28.5	-0.9
V46A	Holladay	67.51 60	P	P	07 05 28.4	-1.2
S49A	Springfield	67.51 57	P	P	07 05 28.5	-1.1
HKT	Hockley	67.55 70	eP	P	07 05 28.5	-1.3
HKT	Hockley	67.55 70	eP	pmax	07 05 28.5	-1.3
HKT	Hockley	67.55 70	eP	pmax	07 05 28.5	-1.3
Q51A	Peebles	67.57 55	P	P	07 05 28.5	-1.4
GKN	Gorkha	67.61 287	eP	P	07 05 31.2	+0.7
DMN	Daman	67.63 286	eP	P	07 05 31.7	+1.0
R50A	Paris	67.63 56	P	P	07 05 29.2	-1.1
241A	Mo Tay, Golden	67.68 66	P	P	07 05 30.1	-0.6
241A	Mo Tay, Golden	67.68 66	eP	P	07 05 29.7	-0.9
Z43A	Armstrong Farm	67.74 64	P	P	07 05 30.3	-0.7
Y44A	Strider, Charl	67.75 63	P	P	07 05 30.1	-1.0
N54A	Moraine State	67.75 52	P	P	07 05 29.8	-1.3
N54A	Moraine State	67.75 52	eP	P	07 05 29.5	-1.5
OXF	Oxford	67.78 62	P	P	07 05 30.1	-1.1
OXF	Oxford	67.78 62	eP	P	07 05 30.1	-1.1
OXF	Oxford	67.78 62	eP	pmax	07 05 30.2	-1.1
V47A	Nunnely	67.81 60	P	P	07 05 30.4	-1.1
U48A	Cassie Pea, Po	67.82 59	P	P	07 05 30.6	-0.9
142A	Monroe	67.84 65	P	P	07 05 30.7	-0.9
X45A	UM Field Stati	67.85 62	P	P	07 05 30.5	-1.2
W46A	Michie	67.87 61	P	P	07 05 30.6	-1.3
DANN	Dangung	67.87 288	eP	P	07 05 33.1	+0.8
T49A	Edmonton	67.90 58	P	P	07 05 31.1	-0.9
T49A	Edmonton	67.90 58	eP	P	07 05 30.9	-1.1
R51A	Hillsboro	68.00 56	P	P	07 05 31.8	-0.8
143A	Socs Landing,	68.03 65	P	P	07 05 32.0	-0.8
143A	Socs Landing,	68.03 65	eP	P	07 05 32.0	-0.8
341A	Kurthwood	68.05 67	P	P	07 05 32.7	-0.3
341A	Kurthwood	68.05 67	eP	P	07 05 31.4	-1.6
S50A	Richmond	68.05 57	P	P	07 05 32.2	-0.8
242A	Grayson	68.08 66	P	P	07 05 32.3	-0.9
KVXT	Kingsville	68.13 73	eP	P	07 05 32.5	-1.0
Z44A	Pea Ridge, Bel	68.14 64	P	P	07 05 32.7	-0.8
PLAL	Pickwick Lake	68.15 61	eP	P	07 05 32.1	-1.4
Y45A	Yeager Farm, C	68.19 63	P	P	07 05 33.1	-0.8
X46A	Booneville	68.19 62	P	P	07 05 32.5	-1.4
W47A	Westpoint	68.20 60	P	P	07 05 32.7	-1.3
U49A	Red Boiling Sp	68.22 58	P	P	07 05 32.9	-1.1
V48A	Smith Brothers	68.25 60	P	P	07 05 33.1	-1.1
V48A	Smith Brothers	68.25 60	eP	P	07 05 32.7	-1.5
T50A	Nancy	68.33 57	P	P	07 05 33.6	-1.1
KOLN	Koldanda	68.40 288	eP	P	07 05 35.9	+0.4
R52A	Cattletsburg	68.45 55	P	P	07 05 33.8	-1.7
441A	DeRider	68.47 67	P	P	07 05 34.2	-1.5
Z45A	Winona	68.48 63	P	P	07 05 34.6	-1.1
Z45A	Winona	68.48 63	eP	P	07 05 34.2	-1.4
342A	Flagon Creek P	68.50 66	P	P	07 05 35.5	-0.3
342A	Flagon Creek P	68.50 66	eP	P	07 05 34.9	-0.9
S51A	Beattyville	68.50 56	P	P	07 05 34.6	-1.2
S51A	Beattyville	68.50 56	eP	P	07 05 34.2	-1.5
PYUN	Pluthan	68.51 288	eP	P	07 05 36.8	+0.6
Y46A	Houston	68.55 62	P	P	07 05 34.9	-1.2
243A	Waterproof	68.60 65	P	P	07 05 35.9	-0.5
X47A	Russelville	68.61 61	P	P	07 05 35.0	-1.5
144A	Alexander Plac	68.63 64	P	P	07 05 35.5	-1.1
W48A	Pulaski	68.64 60	P	P	07 05 35.5	-1.2
BINY	Binghamton	68.68 48	P	P	07 05 35.5	-1.4
BINY	Binghamton	68.68 48	eP	P	07 05 35.5	-1.4
V49A	McMinnville	68.72 59	P	P	07 05 36.0	-1.1
S52A	Salversville	68.73 56	P	P	07 05 36.1	-1.1

U50A	Jamestown	68.78 58	P	P	07 05 36.3	-1.3
ACCN	Adirondack C	68.80 46	eP	P	07 05 35.7	-1.8
MCWV	Mont Chateau	68.83 52	P	P	07 05 36.7	-1.0
MCWV	Mont Chateau	68.83 52	eP	P	07 05 36.8	-1.0
T51A	Gray	68.83 57	P	P	07 05 36.8	-1.0
LBNH	Lisbon	68.88 44	P	P	07 05 36.4	-1.6
LPSR	Galich ya Gora	68.88 332	eP	pmax	07 05 37.6	-0.3
LPSR	Galich ya Gora	68.88 332	eP	pmax	07 05 37.6	-0.3
VBMS	Vicksburg	68.88 65	P	P	07 05 37.5	-0.7
VBMS	Vicksburg	68.88 65	eP	P	07 05 37.1	-1.1
ZAIG	Zacatecas	68.89 80	eP	P	07 05 38.9	+0.2
145A	Houston Refr	68.92 64	P	P	07 05 37.7	-0.7
244A	Avery, Jackson	68.92 65	P	P	07 05 37.9	-0.6
442A	Mamou	68.94 67	P	P	07 05 37.2	-1.3
343A	Vidalia	68.97 66	P	P	07 05 37.9	-0.9
O56A	Blue Knob Stat	68.98 51	P	P	07 05 37.3	-1.4
O56A	Blue Knob Stat	68.98 51	eP	P	07 05 37.0	-1.8
541A	Lake Charles	68.99 68	P	P	07 05 39.0	+0.1
SSPA	Standing Stone	69.02 50	P	P	07 05 37.7	-1.2
SSPA	Standing Stone	69.02 50	eP	P	07 05 37.0	-1.9
W49A	Belton	69.02 60	P	P	07 05 37.8	-1.2
Z46A	Louisville	69.02 63	P	P	07 05 38.4	-0.7
Y47A	UCFARC, Winif	69.08 62	P	P	07 05 38.0	-1.5
X48A	Hartselle	69.10 61	P	P	07 05 37.8	-1.8
X48A	Hartselle	69.10 61	eP	P	07 05 37.7	-1.8
SWET	Sewanee	69.12 59	eP	P	07 05 37.5	-2.1
IZAR	Zarasai	69.14 341	eP	IAMB	07 05 39.7	+0.3
IZAR	Zarasai	69.14 341	eP	IAMB	07 05 40.2	
LNIG	Linare	69.17 76	eP	P	07 05 39.0	-1.1
V50A	Pikeville	69.21 59	P	P	07 05 39.1	-1.1
T52A	Hallie	69.22 56	P	P	07 05 39.2	-1.0
U51A	La Follette	69.24 57	P	P	07 05 39.2	-1.2
443A	Deloo Plantat	69.27 66	P	P	07 05 40.1	-0.4
VRH	Novokhoporsk	69.27 330	eP	pmax	07 05 39.5	-0.8
VRH	Novokhoporsk	69.27 330	eP	pmax	07 05 39.5	-0.8
KSPA	Keystone Cole	69.29 49	eP	P	07 05 39.0	-1.6
542A	Moraine State	69.31 67	P	P	07 05 40.7	-0.1
ISAL	Salakas	69.33 341	eP	IAMB	07 05 41.0	+0.4
ISAL	Salakas	69.33 341	eP	IAMB	07 05 42.5	
344A	Westbrook Farm	69.34 65	P	P	07 05 40.7	-0.4
344A	Westbrook Farm	69.34 65	eP	P	07 05 40.6	-0.4
TZTN	Tazewell	69.36 57	P	P	07 05 40.1	-1.0
TZTN	Tazewell	69.36 57	eP	P	07 05 40.5	-0.7
245A	Little AP, Sta	69.37 64	P	P	07 05 40.4	-0.8
146A	Union	69.38 63	P	P	07 05 40.5	-0.7
146A	Union	69.38 63	eP	P	07 05 40.4	-0.9
X49A	Woodville	69.44 60	P	P	07 05 40.3	-1.3
Y48A	Jasper	69.44 61	P	P	07 05 39.9	-1.8
IDID	Didzasalis	69.45 340	eP	IAMB	07 05 41.7	+0.4
IDID	Didzasalis	69.45 340	eP	IAMB	07 05 43.0	
W50A	Signal Mountai	69.46 59	P	P	07 05 40.7	-1.1
W50A	Signal Mountai	69.46 59	eP	P	07 05 40.2	-1.6
Z47A	Carrollton	69.50 62	P	P	07 05 40.9	-1.0
V51A	Louisa	69.51 58	P	P	07 05 41.0	-1.0
V51A	Louisa	69.51 58	eP	P	07 05 40.7	-1.3
IIGN	Ignalina	69.52 341	eP	IAMB	07 05 42.2	+0.4
IIGN	Ignalina	69.52 341	eP	IAMB	07 05 42.6	
U52A	Thorn Hill	69.57 57	P	P	07 05 41.4	-1.0
Z48A	Notport	69.64 62	P	P	07 05 41.3	-1.5
CPCT	Cooper Cave	69.69 58	eP	P	07 05 42.2	-1.0
543A	St. Martinville	69.73 67	P	P	07 05 42.5	-1.0
147A	Livingston	69.78 63	P	P	07 05 42.6	-1.2
147A	Livingston	69.78 63	eP	P	07 05 42.9	-0.8
W51A	Cleveland	69.78 59	P	P	07 05 42.5	-1.3
N59A	State Game Lan	69.79 49	P	P	07 05 42.3	-1.4
N59A	State Game Lan	69.79 49	eP	P	07 05 42.0	-1.8
246A	Jackson Lee, B	69.81 64	P	P	07 05 43.1	-0.8
345A	Thompson Farm,	69.84 65	P	P	07 05 43.5	-0.6
NIL	Nilore	69.84 299	eP	P	07 05 44.4	+0.2
X50B	Fort Payne	69.84 60	P	P	07 05 42.6	-1.6
V52A	Sevierville	69.87 57	P	P	07 05 43.3	-1.0
V52A	Sevierville	69.87 57	eP	P	07 05 42.7	-1.6
444A	Pine Grove	69.89 66	P	P	07 05 43.4	-1.0
PAGS	Pennsylvania G	69.89 50	eP	P	07 05 42.8	-1.5
Y49A	Blount Mountai	69.89 61	P	P	07 05 42.9	-1.6
Y49A	Blount Mountai	69.89 61	eP	P	07 05 42.6	-1.8
TKL	Tuckaleechee C	69.92 58	P	LR	07 05 43	

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like ILB Eielson Array, PAX Paxson, HARP HAARP, etc.

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like KSRS Korea Array, KS01 Wotani Array, KSAR Wonju Array, etc.

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like YPP Pitchstone Pla, H17A Grand Village, H17A Grand Village, etc.

SZCU	Shurtz Canyon	47.77	80	eP	P	07 17 57.4 +0.7
TMUT	Trail Mountain	47.82	77	eP	P	07 17 58.1 +0.9
MURC	Murrie	47.88	87	P	P	07 17 58.0 +0.7
P17A	Butcher Ranch	47.99	77	eP	P	07 17 58.1 -0.2
MTPU	Mount Pleasant	48.03	79	eP	P	07 18 00.0 +1.2
GMRC	Granite Mounta	48.04	85	P	P	07 17 59.3 +0.7
LCMT	Little Creek M	48.05	81	eP	P	07 17 58.5 -0.2
LDFC	Landfair	48.18	84	eP	P	07 18 00.4 +0.7
NJ2	Nanjing	48.19	270	ePmax	Pmax	07 17 58.8 -0.9
P18A	Preston Nutter	48.19	76	eP	P	07 18 00.6 +0.6
KNB	Kanab	48.31	81	eP	P	07 18 01.8 +1.1
FRD	Ford Ranch, An	48.32	87	P	P	07 18 01.7 +0.9
PFO	Pinyon Flats O	48.33	87	P	P	07 18 01.2 +0.3
PFO	Pinyon Flats O	48.33	87	eP	P	07 18 01.5 +0.6
PFO	Pinyon Flats O	48.33	87	ePmax	Pmax	07 18 01.5 +0.6
XPFO	Pizon Flat	48.33	87	eP	P	07 18 01.5 +0.6
PKCU	Pink Cliffs	48.34	80	eP	P	07 18 02.6 +1.4
BELO	Belle Meade	48.35	86	P	P	07 18 01.4 +0.3
SRU	San Rafael Swe	48.35	77	eP	P	07 18 01.7 +0.6
SRU	San Rafael Swe	48.35	77	ePmax	Pmax	07 18 01.7 +0.6
109C	Camp Elliot, M	48.42	88	P	P	07 18 01.5 +0.1
K22A	Casper	48.51	71	P	P	07 18 02.0 -0.1
K22A	Casper	48.51	71	eP	P	07 18 02.1 -0.1
NEE2	Needles Airpor	48.69	84	P	P	07 18 03.8 +0.3
IRM	Iron Mountain	48.77	85	P	P	07 18 04.8 +0.7
BAR	Barrett	48.83	88	eP	P	07 18 05.6 +1.0
MONP2	Monument Peak	48.84	87	P	P	07 18 04.8 0.0
BC3	Big Chuckawall	48.92	86	P	P	07 18 05.4 +0.1
KBS	Kingsbay	49.04	357	eP	P	07 18 07.0 +1.5
KBS	Kingsbay	49.04	357	ePcP	PcP	07 19 27.3 +0.6
KBS	Kingsbay	49.04	357	eP	P	07 18 07.0 +1.5
KBS	Kingsbay	49.04	357	ePmax	Pmax	07 19 27.3
RSSD	Black Hills	49.04	68	P	P	07 18 05.4 -0.9
RSSD	Black Hills	49.04	68	eP	P	07 18 05.7 -0.6
RSSD	Black Hills	49.04	68	ePmax	Pmax	07 18 05.7 -0.6
O20A	White River C	49.07	74	P	P	07 18 06.3 -0.2
O20A	White River C	49.07	74	eP	P	07 18 06.5 0.0
SWSC	Sam W. Stewart	49.19	87	P	P	07 18 07.4 +0.2
IKP	In-Ko-Pah, Jac	49.20	87	P	P	07 18 07.8 +0.4
MDND	Maddock	49.25	61	P	P	07 18 07.1 -0.5
MDND	Maddock	49.25	61	eP	P	07 18 07.7 +0.1
PDMC1	Parker Dam, Lak	49.29	84	P	P	07 18 08.0 0.0
Y12C	Blythe	49.43	85	P	P	07 18 09.6 +0.6
Y12C	Blythe	49.43	85	eP	P	07 18 10.1 +1.1
PV09	Paradox Valley	49.58	77	eP	P	07 18 11.2 +0.6
SPAO	Spitsbergen Ar	49.60	356	eP	P	07 18 10.3 +0.5
SPITS	Spitsbergen Ar	49.60	356	P	P	07 18 10.3 +0.5
PV21	Cone Mtn., Par	49.63	76	eP	P	07 18 11.2 +0.4
PV23	Carpenter Ridg	49.68	76	eP	P	07 18 11.3 +0.1
GLA	Glamis	49.71	86	P	P	07 18 11.8 +0.5
GLA	Glamis	49.71	86	eP	P	07 18 12.4 +1.1
GLA	Glamis	49.71	86	Pmax	Pmax	07 18 12.4 +1.1
PV10	Paradox Valley	49.71	77	eP	P	07 18 12.5 +1.0
PV14	Lion Creek, Pa	49.73	77	eP	P	07 18 11.5 -0.1
PV22	Blue Mesa, Par	49.76	76	eP	P	07 18 11.9 +0.1
PV20	West Nyswonger	49.78	77	eP	P	07 18 11.7 -0.2
ULM	Lac du Bonnet	49.79	57	P	P	07 18 11.5 -0.1
ULM	Lac du Bonnet	49.79	57	eP	P	07 18 10.5 -1.1
PV19	Morning Glory	49.79	77	eP	P	07 18 12.3 +0.2
PV17	East Wray Mesa	49.82	77	eP	P	07 18 12.8 +0.5
PV16	Nyswonger Mesa	49.83	77	eP	P	07 18 12.8 +0.4
PV11	David Mesa, Pa	49.86	77	eP	P	07 18 12.6 +0.1
PV05	Paradox Valley	49.87	77	eP	P	07 18 12.9 +0.2
PV18	Skein Mesa, Pa	49.88	77	eP	P	07 18 13.3 +0.5
PV12	Saucer Basin	49.89	76	eP	P	07 18 13.2 +0.3
PV03	Paradox Valley	49.91	77	eP	P	07 18 13.0 +0.2
N23A	Red Feather La	49.94	72	eP	P	07 18 13.3 +0.1
N23A	Red Feather La	49.94	72	eP	P	07 18 13.3 +0.1
PV13	Radium Mtn., P	49.99	77	eP	P	07 18 13.8 +0.3
PV02	Paradox Valley	50.00	77	eP	P	07 18 13.9 +0.3
PV01	Paradox Valley	50.15	76	eP	P	07 18 14.9 +0.1
WUAZ	Wupatki	50.17	81	eP	P	07 18 15.8 +0.9
WUAZ	Wupatki	50.17	81	eP	P	07 18 15.8 +0.9
SMCO	Snowmass	50.43	74	eP	P	07 18 16.9 -0.1
MVCO	Mesa Verde	50.80	77	P	P	07 18 19.8 +0.2
MVCO	Mesa Verde	50.80	77	eP	P	07 18 19.8 +0.2
A33A	Warrad	50.83	58	P	P	07 18 18.6 -0.9
ISCO	Idaho Springs	50.84	73	P	P	07 18 19.8 -0.2
ISCO	Idaho Springs	50.84	73	eP	P	07 18 20.3 +0.3
ISCO	Idaho Springs	50.84	73	eP	P	07 18 20.3 +0.3
ISCO	Idaho Springs	50.84	73	ePmax	Pmax	07 18 20.3 +0.3
AGMN	Agassiz Nation	50.98	59	P	P	07 18 19.3 -1.2
AGMN	Agassiz Nation	50.98	59	eP	P	07 18 19.8 -0.7
C33A	Trail	51.36	59	P	P	07 18 22.1 -1.3
W18A	Petrified Fore	51.44	80	P	P	07 18 24.8 +0.5
W18A	Petrified Fore	51.44	80	eP	P	07 18 25.1 +0.7

S22A	4UR Ranch, Cre	51.45	76	P	P	07 18 25.2 +0.7
S22A	4UR Ranch, Cre	51.45	76	eP	P	07 18 25.4 +0.8
B34A	Aery, Baudette	51.50	58	P	P	07 18 23.4 -1.0
Q24A	Divide	51.65	73	P	P	07 18 25.7 -0.4
Q24A	Divide	51.65	73	eP	P	07 18 26.5 +0.5
214A	Organ Pipe Nat	51.70	85	P	P	07 18 26.8 +0.6
SUSD	Mill	51.70	64	P	P	07 18 24.7 -1.3
C34A	RKJ Ranch, Bem	51.88	59	P	P	07 18 26.1 -1.2
G32A	Webster	51.99	63	P	P	07 18 26.7 -1.4
G32A	Webster	51.99	63	eP	P	07 18 28.3 +0.2
B35A	Bob, Littlefor	52.06	58	P	P	07 18 27.2 -1.3
B35A	Bob, Littlefor	52.06	58	eP	P	07 18 27.9 -0.6
OGNE	Ogallala	52.19	70	P	P	07 18 29.2 -0.5
OGNE	Ogallala	52.19	70	eP	P	07 18 29.8 +0.1
SDCO	Great Sand Dun	52.24	75	P	P	07 18 30.9 +0.5
SDCO	Great Sand Dun	52.24	75	eP	P	07 18 30.9 +0.5
C35A	Jirik Farms, M	52.34	58	P	P	07 18 29.5 -1.2
D35A	Remer	52.69	59	P	P	07 18 32.3 -0.9
TUC	Tucson	52.70	84	P	P	07 18 34.3 +0.7
TUC	Tucson	52.70	84	eP	P	07 18 34.6 +1.0
TUC	Tucson	52.70	84	ePmax	Pmax	07 18 34.6 +1.0
SUMG	Summit	52.73	14	eP	P	07 18 34.8 +1.2
SUMG	Summit	52.73	14	ePmax	Pmax	07 18 34.8 +1.2
E35A	Pesot Lakes	52.84	60	P	P	07 18 33.4 -0.9
F34A	Alexandria	52.87	61	P	P	07 18 33.6 -0.9
C36A	Pine Crest Far	52.90	58	P	P	07 18 33.8 -1.0
YULB	Yu-li	52.90	261	eP	P	07 18 35.0 0.0
XAN	Xi'an	52.93	280	Pmax	Pmax	07 18 34.4 -0.8
XAN	Xi'an	52.93	280	Pmax	Pmax	07 18 34.4 -0.8
G34A	Benson	53.02	62	P	P	07 18 34.3 -1.4
ZALV	Zalesovo Beam	53.09	313	PcP	PcP	07 19 42.0 -0.1
D36A	Goodland	53.10	58	P	P	07 18 35.1 -1.2
D36A	Goodland	53.10	58	eP	P	07 18 35.6 -0.6
KSCO	Kaye Shedlock'	53.10	72	P	P	07 18 36.7 +0.1
KSCO	Kaye Shedlock'	53.10	72	eP	P	07 18 36.6 +0.1
F35A	Swanville	53.20	60	P	P	07 18 35.8 -1.1
C37A	Embarras	53.26	57	P	P	07 18 36.5 -0.9
T25A	Trinidad	53.29	75	P	P	07 18 38.1 +0.1
T25A	Trinidad	53.29	75	eP	P	07 18 38.9 +0.9
ECSD	EROS Data Cent	53.45	64	P	P	07 18 37.4 -1.5
ECSD	EROS Data Cent	53.45	64	eP	P	07 18 37.4 -1.5
E36A	McGregor	53.47	59	P	P	07 18 38.3 -0.6
EYMN	Ely	53.48	57	P	P	07 18 38.2 -0.7
EYMN	Ely	53.48	57	eP	P	07 18 38.8 -0.2
D37A	Cotton	53.50	58	P	P	07 18 38.2 -1.0
TASM	ASI Red, Albuq	53.54	78	P	P	07 18 40.0 +0.2
ANMO	Albuquerque	53.54	78	P	P	07 18 40.5 +0.7
ANMO	Albuquerque	53.54	78	eP	P	07 18 39.9 +0.1
ANMO	Albuquerque	53.54	78	eP	P	07 18 39.0 -0.8
TASL	Snake Pit, Alb	53.54	78	P	P	07 18 40.1 +0.2
G35A	Watkins	53.65	61	P	P	07 18 39.3 -1.0
G35A	Watkins	53.65	61	eP	P	07 18 39.6 -0.6
C38A	Savill Land.	53.74	57	P	P	07 18 40.0 -0.8
F36A	Milaca	53.75	60	P	P	07 18 40.0 -1.0
F36A	Milaca	53.75	60	eP	P	07 18 40.7 -0.3
H35A	Sunnyside Ranc	53.80	62	P	P	07 18 40.3 -1.1
G36A	St. Michael	54.04	61	P	P	07 18 42.0 -1.1
BGNE	Belgrade	54.11	67	P	P	07 18 42.8 -0.8
E38A	The Farm, Brul	54.31	58	P	P	07 18 44.1 -0.9
E38A	The Farm, Brul	54.31	58	eP	P	07 18 44.1 -0.9
F37A	Hinrichs Farm,	54.32	59	P	P	07 18 44.2 -0.9
H36A	Jesseland, He	54.37	61	P	P	07 18 45.1 -0.4
121A	Cookes Peak, D	54.38	81	P	P	07 18 46.7 +0.7
SPMN	Marine on St.	54.55	60	P	P	07 18 46.0 -0.8
SPMN	Marine on St.	54.55	60	eP	P	07 18 45.7 -1.1
F38A	Pierce - Schro	54.56	59	P	P	07 18 46.6 -0.3
LZH	Lanzhou	54.60	285	eP	P	07 18 48.4 +0.9
LZH	Lanzhou	54.60	285	eP	P	07 19 19.8 -4.0
LZH	Lanzhou	54.60	285	eP	P	07 19 36.4 -4.7
LZH	Lanzhou	54.60	285	eP	P	07 20 48.9 -2.4
LZH	Lanzhou	54.60	285	eP	P	07 26 14.3 -0.5
LZH	Lanzhou	54.60	285	eP	P	07 30 02.9 +3.6
LZH	Lanzhou	54.60	285	ePmax	Pmax	07 30 02.9 +3.6
DGZ	Jazzart, Alta	54.61	307j	ePmax	Pmax	07 18 47.4 +0.1
DGZ	Jazzart, Alta	54.61	307j	ePmax	Pmax	07 18 47.4 +0.1
I36A	Fitzsimmons Fa	54.69	62	P	P	07 18 46.7 -1.1
C40A	Isle Royale Na	54.70	56	P	P	07 18 47.1 -0.6
GTA	Gaotai	54.74	291	P	P	07 18 49.0 +0.6
GTA	Gaotai	54.74	291	eP	P	07 19 25.5 +0.8
GTA	Gaotai	54.74	291	eP	P	07 19 41.3 -0.7
H37A	Dierke Farm, C	54.91	61	P	P	07 18 48.8 -0.6
CBKS	Cedar Bluff	54.92	70	P	P	07 18 49.2 -0.4
J36A	Seneca 1, Swea	54.97	63	P	P	07 18 48.4 -1.4
J36A	Seneca 1, Swea	54.97	63	eP	P	07 18 49.1 -0.7
E39A	Mellen	54.98	58	P	P	07 18 48.7 -1.2

I37A	Lemond, Waseca	55.03	61	P	P	07 18 49.7 -0.6
I37A	Lemond, Waseca	55.03	61	eP	P	07 18 49.9 -0.4
G38A	Ridgeland	55.09	60	P	P	07 18 49.7 -1.0
F39A	Loretta	55.10	58	P	P	07 18 50.1 -0.6
ENH	Enshi	55.19	276	eP	P	07 18 51.7 0.0
H38A	Maiden Rock	55.29	60	P	P	07 18 50.8 -0.6
E40A	Wakefield	55.28	57	P	P	07 18 51.7 -0.3
K36A	Gilmore City	55.36	63	P	P	07 18 51.5 -1.1
G39A	Holcomb	55.38	59	P	P	07 18 51.9 -0.8
J37A	Redenius Farm,	55.41	62	P	P	07 18

23d 7h

Table with columns for call letters, name, frequency, power, and other technical details. Includes entries like J42A Columbus, M40A Post Highland, L41A Preston, etc.

2012 JUL

Table with columns for call letters, name, frequency, power, and other technical details. Includes entries like BVAR comp=Z,0.6nm,0.5s, BRVK Borovoye, etc.

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Table with columns for call letters, name, frequency, power, and other technical details. Includes entries like U43A Rector, UALR University of, Y40A Okolona, etc.

143A	Soes Landing, comp=Z,13nm,0.4s	64.02	70	eP	P	07 19 52.2 +0.3
242A	Grayson baz=317	64.05	71	P	P	07 19 51.9 -0.2
T49A	Edmonton baz=317,SNR=12	64.13	62	P	P	07 19 52.0 -0.6
T49A	Edmonton comp=Z,9.7nm,0.6s	64.13	62	eP	P	07 19 52.6 0.0
Z44A	Pea Ridge, Bel baz=317	64.16	69	P	P	07 19 52.2 -0.7
LONY	Lake Ozonia baz=318	64.18	50	P	P	07 19 52.0 -0.8
LONY	Lake Ozonia comp=Z,9.3nm,1.3s	64.18	50	eP	P	07 19 51.5 -1.3
N54A	Moraine State baz=317,SNR=6.9	64.24	56	P	P	07 19 52.6 -0.6
N54A	Moraine State comp=Z,12nm,0.6s	64.24	56	eP	P	07 19 52.8 -0.4
Y45A	Yeager Farm, C baz=317	64.24	67	P	P	07 19 52.9 -0.5
PLAL	Pickwick Lake comp=Z,11nm,0.6s	64.26	66	eP	P	07 19 52.8 -0.7
X46A	Booneville baz=317,SNR=6.2	64.29	66	P	P	07 19 52.8 -0.8
R51A	Hillsboro baz=317,SNR=19	64.31	60	P	P	07 19 53.5 -0.3
S50A	Richmond baz=317,SNR=5.1	64.32	61	P	P	07 19 53.2 -0.6
W47A	Westpoint baz=317,SNR=9.7	64.34	65	P	P	07 19 53.1 -0.8
441A	DeRidder baz=317	64.40	72	P	P	07 19 53.3 -1.1
V48A	Smith Brothers baz=317,SNR=6.1	64.41	64	P	P	07 19 53.6 -0.8
V48A	Smith Brothers comp=Z,5.4nm,0.8s	64.41	64	eP	P	07 19 54.0 -0.5
U49A	Red Boiling Sp baz=317,SNR=12	64.42	63	P	P	07 19 53.8 -0.7
342A	Flagon Creek P baz=317	64.45	71	P	P	07 19 54.2 -0.6
342A	Flagon Creek P comp=Z,10nm,0.8s	64.45	71	eP	P	07 19 54.6 -0.1
Z45A	Winona baz=317	64.52	68	P	P	07 19 54.5 -0.6
T50A	Nancy baz=317,SNR=13	64.57	70	P	P	07 19 54.9 -0.5
243A	Waterproof baz=317	64.57	70	P	P	07 19 55.3 -0.2
ZAIG	Zacatecas comp=Z,7.3nm,1.0s	64.60	85	eP	P	07 19 55.8 -0.4
Y46A	Houston baz=317,SNR=13	64.62	67	P	P	07 19 55.3 -0.5
144A	Alexander Plac baz=317	64.64	69	P	P	07 19 55.8 -0.1
X47A	Russelville baz=317,SNR=6.0	64.72	66	P	P	07 19 55.2 -1.3
R52A	Cattlettsburg baz=317	64.78	60	P	P	07 19 56.1 -0.7
S51A	Beattyville baz=317,SNR=5.4	64.79	61	P	P	07 19 56.1 -0.7
S51A	Beattyville comp=Z,8.7nm,0.6s	64.79	61	eP	P	07 19 56.3 -0.6
W48A	Pulaski baz=317,SNR=12	64.79	65	P	P	07 19 56.3 -0.6
NCB	Newcomb comp=Z,7.2nm,1.4s	64.83	50	eP	P	07 19 56.7 -0.4
442A	Mamou baz=317	64.87	72	P	P	07 19 56.6 -0.9
V49A	McMinnville baz=317,SNR=12	64.90	64	P	P	07 19 56.9 -0.7
244A	Avery, Jackson baz=317,SNR=7.9	64.92	81	eP	P	07 19 57.8 0.0
LNIG	Linares comp=Z,3.3nm,0.7s	64.92	81	eP	P	07 19 58.0 +0.1
FIA1	FINESS Array S 64.94 347 eP	64.94	347	eP	P	07 19 56.7 -0.7
FINES	FINESS Array B 64.94 347 eP	64.94	347	eP	P	07 19 56.3 -1.0
FINES	FINESS Array B, baz=28,slow=8.6,SNR=6.4	64.94	347	eP	P	07 20 35.0 +0.2
FINES	FINESS Array B, comp=Z,5.4nm,1.0s, baz=330,slow=11,SNR=3.2	64.94	347	eP	P	07 20 35.9 -0.5
FINES	FINESS Array B, pmax	64.94	347	eP	P	07 20 35.9 -0.5
FINES	FINESS Array B, pmax	64.94	347	eP	P	07 20 35.9 -0.5
U50A	Jamestown comp=Z,3.0nm,0.8s	65.01	62	P	P	07 19 57.8 -0.6
S52A	Salversville baz=317,SNR=5.3	65.04	60	P	P	07 19 58.0 -0.5
Z46A	Louisville baz=317	65.08	68	P	P	07 19 58.6 -0.2
T51A	Gray baz=317	65.09	61	P	P	07 19 58.2 -0.7
W49A	Belvidere baz=317,SNR=6.0	65.17	64	P	P	07 19 58.6 -0.8
Y47A	UCPARC, Winfie baz=317,SNR=6.1	65.18	66	P	P	07 19 58.4 -0.8
X48A	Hartselle baz=317,SNR=5.2	65.23	65	P	P	07 19 58.4 -1.3
X48A	Hartselle comp=Z,7.4nm,0.4s	65.23	65	eP	P	07 19 58.7 -1.0
VT1	Waterbury comp=Z,5.3nm,0.8s	65.25	49	eP	P	07 19 59.3 -0.5
MCWV	Mont Chateau baz=318	65.28	57	P	P	07 19 59.4 -0.5
MCWV	Mont Chateau comp=Z,4.8nm,0.9s	65.28	57	eP	P	07 19 59.5 -0.5
SWET	Sewanee comp=Z,9.3nm,0.5s	65.29	64	eP	P	07 19 59.5 -0.7
BINY	Binghamton baz=319	65.32	53	P	P	07 19 59.8 -0.4
BINY	Binghamton comp=Z,10nm,0.6s	65.32	53	eP	P	07 20 00.1 -0.2
344A	Westbrook Farm baz=317	65.32	70	P	P	07 20 00.6 +0.2
245A	Little AP, Sta baz=317	65.38	69	P	P	07 20 00.4 -0.3
V50A	Pikeville baz=317,SNR=5.4	65.41	63	P	P	07 20 00.3 -0.7
146A	Union baz=317,SNR=11	65.42	68	P	P	07 20 00.8 -0.2
146A	Union comp=Z,4.2nm,0.6s	65.42	68	eP	P	07 20 01.2 +0.3
O56A	Blue Knob Stat baz=318	65.48	56	P	P	07 20 00.5 -0.8
U51A	La Follette baz=317,SNR=5.6	65.49	62	P	P	07 20 00.7 -0.7
T52A	Hallie baz=318	65.51	61	P	P	07 20 01.2 -0.3
SSPA	Standing Stone baz=318	65.55	55	P	P	07 20 01.1 -0.6
SSPA	Standing Stone comp=Z,4.6nm,0.6s	65.55	55	eP	P	07 20 01.3 -0.4
Y48A	Jasper baz=317	65.55	66	P	P	07 20 01.1 -0.7
Z47A	Carrollton baz=317,SNR=18	65.57	67	P	P	07 20 01.2 -0.7
PQI	Presque Isle comp=Z,2nm,1.3s	65.58	45	eP	P	07 20 01.3 -0.5
X49A	Woodville baz=317,SNR=9.5	65.59	65	P	P	07 20 01.2 -0.8
TZTN	Tazewell baz=318	65.62	62	P	P	07 20 01.6 -0.7
TZTN	Tazewell comp=Z,4.9nm,0.6s	65.62	62	eP	P	07 20 02.2 0.0
W50A	Signal Mountain baz=317,SNR=8.8	65.64	64	P	P	07 20 01.6 -0.8
W50A	Signal Mountain comp=Z,9.3nm,0.6s	65.64	64	eP	P	07 20 02.1 -0.3
LBNH	Lisbon baz=320	65.71	49	P	P	07 20 02.0 -0.7
LBNH	Lisbon comp=Z,9.1nm,1.1s	65.71	49	eP	P	07 20 02.6 -0.1
LBNH	Lisbon, pmax	65.71	49	eP	P	07 20 02.6 -0.1
V51A	Loudon baz=318,SNR=5.9	65.73	63	P	P	07 20 02.1 -0.9
V51A	Loudon comp=Z,7.3nm,0.6s	65.73	63	eP	P	07 20 02.0 -0.9
Z48A	Northport baz=317,SNR=11	65.73	67	P	P	07 20 01.9 -1.0
U52A	Thorn Hill baz=318	65.83	62	P	P	07 20 03.1 -0.6
147A	Livingston baz=317	65.84	68	P	P	07 20 03.1 -0.6
147A	Livingston comp=Z,15nm,0.6s	65.84	68	eP	P	07 20 03.6 -0.1
CPCT	Cooper Cave comp=Z,6.9nm,0.5s	65.89	63	eP	P	07 20 03.1 -0.9
KSPA	Keystone Colle	65.91	53	eP	P	07 20 04.9 +0.9

AAK	Ala-Archa comp=Z,15nm,1.5s	65.93	309	eP	P	07 20 04.0 -0.3
AAK	Ala-Archa comp=Z,3.4nm,0.7s	65.93	309	eP	P	07 20 04.0 -0.3
AAK	Ala-Archa, pmax	65.93	309	eP	P	07 20 04.0 -0.3
W51A	Cleveland baz=318,SNR=5.7	65.98	63	P	P	07 20 03.7 -0.8
X50B	Fort Payne baz=318,SNR=9.2	66.00	64	P	P	07 20 03.7 -1.0
Y49A	Blount Mountai baz=318	66.02	65	P	P	07 20 03.8 -1.1
Y49A	Blount Mountai comp=Z,3.8nm,0.8s	66.02	65	eP	P	07 20 03.9 -1.0
346A	Big Creek Wild baz=317	66.10	69	P	P	07 20 04.8 -0.5
Z47A	Quitman baz=317	66.10	68	P	P	07 20 04.8 -0.5
242A	Sevierville baz=318	66.11	62	P	P	07 20 04.8 -0.6
V52A	Sevierville comp=Z,3.7nm,0.6s	66.11	62	eP	P	07 20 05.0 -0.4
TKL	Tuckaleechee C comp=Z,3.6nm,0.6s, baz=240,slow=8.1,SNR=12	66.15	62	P	P	07 20 04.7 -1.0
TKL	Tuckaleechee C comp=Z,4.4nm,0.6s	66.15	62	eP	P	07 20 05.2 -0.5
TKL	Tuckaleechee C, pmax	66.15	62	eP	P	07 20 05.2 -0.5
TKL	Tuckaleechee C, pmax	66.15	62	eP	P	07 20 05.2 -0.5
U53A	Fall Branch baz=318	66.28	61	P	P	07 20 05.8 -0.7
LRAL	Lakeview Retre baz=318	66.30	66	P	P	07 20 05.6 -0.9
LRAL	Lakeview Retre comp=Z,3.7nm,0.7s	66.30	66	eP	P	07 20 05.7 -0.9
X51A	Calhoun baz=318	66.36	64	P	P	07 20 05.9 -1.1
X51A	Calhoun comp=Z,1.7nm,1.5s	66.36	64	eP	P	07 20 07.0 0.0
Y50A	Piedmont baz=318,SNR=5.4	66.37	65	P	P	07 20 06.1 -1.0
N59A	State Game Lan baz=319,SNR=6.1	66.39	53	P	P	07 20 06.7 -0.4
N59A	State Game Lan comp=Z,9.3nm,0.6s	66.39	53	eP	P	07 20 07.1 0.0
Z49A	Colbina baz=318,SNR=6.8	66.44	66	P	P	07 20 06.4 -1.1
W52A	Murphy baz=318	66.48	63	P	P	07 20 06.8 -1.1
W52A	Murphy comp=Z,6.8nm,0.4s	66.48	63	eP	P	07 20 07.3 -0.5
248A	Dixon Mills baz=318	66.57	68	P	P	07 20 07.6 -0.7
446A	Poplarville baz=318	66.60	70	P	P	07 20 07.7 -0.9
347A	Saraland baz=318	66.62	69	P	P	07 20 08.8 +0.2
LSA	Lhasa comp=Z,13nm,0.6s	66.63	289	eP	P	07 20 11.2 +1.8
LSA	Lhasa, pmax	66.63	289	eP	P	07 20 11.0 +1.7
LSA	Lhasa, pmax	66.63	289	eP	P	07 20 11.0 +1.7
NC20A	NORSAR Array S 66.65 354 eP	66.65	354	eP	P	07 20 09.1 +0.6
V53A	Saluda baz=318,SNR=5.3	66.67	62	P	P	07 20 08.4 -0.6
V53A	Saluda comp=Z,5.9nm,0.5s	66.67	62	eP	P	07 20 08.8 -0.1
NC30A	NORSAR Array S 66.67 354 eP	66.67	354	eP	P	07 20 10.2 +1.7
149A	Jones baz=318,SNR=6.3	66.74	67	P	P	07 20 08.4 -1.0
AKTO	Aktuyubinsk comp=Z,4.9nm,0.5s, baz=264,slow=11,SNR=13	66.74	324	P	P	07 20 09.0 -0.1
Z50A	Ashland baz=318,SNR=12	66.74	66	eP	P	07 20 08.3 -1.1
Z50A	Ashland comp=Z,10nm,0.6s	66.74	66	eP	P	07 20 08.4 -1.1
Y51A	Rockmart baz=318,SNR=5.3	66.74	64	P	P	07 20 08.2 -1.2
NC40A	NORSAR Array S 66.76 354 eP	66.76	354	eP	P	07 20 09.9 +0.8
BLA	Blacksburg baz=318	66.80	59	P	P	07 20 09.1 -0.7
BLA	Blacksburg comp=Z,8.8nm,0.6s	66.80	59	eP	P	07 20 10.2 +0.3
BLA	Blacksburg, pmax	66.80	59	eP	P	07 20 10.1 +0.3
BLA	Blacksburg, pmax	66.80	59	eP	P	07 20 10.1 +0.3
MVL	Millersville comp=Z,9.0nm,0.7s	66.80	54	eP	P	07 20 09.4 -0.3
LUPA	Lehigh Univers 66.83 53 eP	66.83	53	eP	P	07 20 09.8 -0.1
NB201	NORSAR Array S 66.85 354 eP	66.85	354	eP	P	07 20 10.1 +0.5
W53A	Cullowhee 66.86 62 eP	66.86	62	eP	P	07 20 09.4 -0.8
NB2	NORSAR Subarra 66.86 354 P	66.86	354	P	P	07 20 09.8 0.0
NOA	NORSAR Array B 66.86 354 P	66.86	354	P	P	07 20 09.2 -0.6
X52A	Danonega baz=318	66.87	63	P	P	07 20 09.6 -0.6
348A	Jackson baz=318	66.98	68	P	P	07 20 10.8 -0.1
ABXAR	Akkulak array 66.99 322 eP	66.99	322	eP	P	07 20 10.3 -0.4
MNAS	Manas 66.99 310 P	66.99	310	P	P	07 20 11.0 -0.1
SDMD	Soldier's Deli 67.00 55 eP	67.00	55	eP	P	07 20 11.9 +0.9
447A	Lucedale baz=318	67.01	69	P	P	07 20 11.1 0.0
447A	Lucedale comp=Z,7.2nm,1.5s	67.01	69	eP	P	07 20 11.7 +0.6
249A	Camden baz=318	67.01	67	P	P	07 20 10.6 -0.5
B3G	Lake Jocassee comp=Z,6.0nm,0.5s	67.11	62	eP	P	07 20 11.8 +0.1
NC602	NORSAR Array S 67.14 354 eP	67.14	354	eP	P	07 20 12.1 +0.6
150A	Eclectic baz=318	67.16	66	eP	P	07 20 11.3 -0.7
BRNJ	Basking Ridge comp=Z,8.8nm,0.6s	67.16	63	eP	P	07 20 12.2 +0.3
PAL	Palisades baz=320	67.24	52	P	P	07 20 11.8 -0.7
PAL	Palisades comp=Z,33nm,1.4s	67.24	52	eP	P	07 20 12.5 +0.1
PAL	Palisades, pmax	67.24	52	eP	P	07 20 12.5 +0.1
PAL	Palisades, pmax	67.24	52	eP	P	07 20 12.5 +0.1
X53A	Estantollee baz=318,SNR=5.2	67.27	63	P	P	07 20 12.0 -0.7
PSUB	Penn St - Bra comp=Z,2.2nm,0.5s	67.30	54	eP	P	07 20 13.7 +0.9
Y52A	Lilburn baz=318	67.32	64	eP	P	07 20 12.3 -0.8
Y52A	Lilburn comp=Z,7.2nm,0.6s	67.32	64	eP	P	07 20 12.8 -0.3
IP04</						

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Malin Array Si, Malin Array Si, Kiev, Sibiu, Malin Array Si, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOSA Boshof, VNA3 Boshof, SNA4 Neumayer Olymp, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, DZM Mont Dzumac, CTA Charters Tower, etc.

Table of astronomical observations for 23d 9h, listing stations (e.g., BURAR, BUR04), station names, coordinates, and observation details.

NNC 23 08:33:21.8, 1.2, 53.54N, 87.67E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=10.9km s-min=5.6km az=42.0, Suspected Mining explosion.

Main table of astronomical observations for 2012 JUL, listing stations (e.g., Siberia, I46RU), station names, coordinates, and observation details.

Table of astronomical observations for 1174, listing stations (e.g., I04A, K05A), station names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KIZT, DOGA, DEMI, AMUMH, etc.

DDA 23 09:41:45.6, 41.02°N:43.88°E, h7km, M13.0
ATA 23 09:41:45.2, 2.3, 41.01°N:43.84°E, h18km, 25km, ML3.1, MW2.9

ISCJB 23 09:41:46.4, 0.7, 41.01°N:0.02:43.88°E:0.03, h3km, 5km, Error ellipse: s-maj=4.3km s-min=3.7km az=20.3

CSEM 23 09:41:46.5, 0.1, 41.02°N:43.87°E, h2km, ML2.5, Error ellipse: s-maj=2.7km s-min=2.0km az=133.0

TIF 23 09:41:46.8, 41.07°N:43.88°E, h2km, 1km
ISC 23 09:41:46.5, 0.9, 41.01°N:0.02:43.86°E:0.02, h17km, 7km, n36, c058/69, 1D, Turkey-Georgia-Armenia border region

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BGD, EAK, DIGO, etc.

NNC 23 10:00:46.1, 6.2, 36.76°N:69.19°E, h0km, mb3.7, mpv3.3, 4C-2D, Error ellipse: s-maj=47.4km s-min=43.4km az=179.0, Hindu Kush region

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

TIR 23 10:09:44.2, 41.25°N:20.89°E, h6km, Md2.3/2
SKO 23 10:09:44.2, 41.23°N:20.88°E, h19km, M1.3, ML1.7, Albania

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PHP, SKO, STIP, VALANDOVO, etc.

IDC 23 10:12:38.1, 0.5, 21.82°S:175.04°W, h0km, mb4.3/17, Mb1 4.4/17, mb1mx3.4/6, mbtmp3.4/17, MS3.9/26, ms1 3.9/26, ms1mx3.8/45, Error ellipse: s-maj=20.5km s-min=15.4km az=114.0

NEIC 23 10:12:39.8, 0.2, 21.77°S:175.09°W, h10km, mb4.9/18, Error ellipse: s-maj=10.1km s-min=7.1km az=126.0

GCMT 23 10:12:39.8, 0.3, 22.08°S:174.39°W, h30km, MW0.7/1, Moment Tensor Solution: s35c47, s71c92, Duration: 0, Moment tensor: Scale 10^16Nm, Mr:3.31, 18; Mw:0.28, 12; Mw:3.03, 21; Mw:0.67, 21; Mw:0.86, 07; Mw:1.51, 13; Best double couple: Ms:3.68400:1016 NP1:39.200000, s32.00000, s84.00000, Principal axes: T 3.7070, P1g76.0000, Azm301.0000; N -0.0500, P1g3.0000, Azm198.0000; P -3.6610, P1g13.0000, Azm107.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISCJB 23 10:12:41.7, 0.3, 21.82°S:175.07°W, h30km, mb4.5/33, MS4.0/24, Error ellipse: s-maj=12.2km s-min=8.0km az=40.2

ISC 23 10:12:43.4, 0.5, 21.75°S:0.09:175.1°W, h33km, n115, c1940/89, mb4.7/33, MS4.0/24, 1C, Tonga Islands

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI, FUNA, RAR, DZM, etc.

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

IDC 23 10:13:17.4, 0.7, 60.28°N:146.56°W, h0km, mb3.8/12, Mb1 4.0/17, mb1mx3.8/80, mbtmp3.8/17, ML3.6/5, MS1.9/1, Ms1 1.9/1, ms1mx1.9/70, Error ellipse: s-maj=1.4km s-min=1.1km az=42.0

ISCJB 23 10:13:18.1, 0.4, 60.25°N:0.02:146.62°W:0.03, h22km, 3km, mb3.8/12, Error ellipse: s-maj=4.2km s-min=2.7km az=13.9

NEIC 23 10:13:18.9, 0.0, 60.28°N:146.56°W, h4km, ML3.7(AEIC), After A1C.

ISC 23 10:13:18.6, 1.0, 60.27°N:0.03:146.61°W:0.03, h12km, 6km, n127, c095/137, mb3.9/12, Southern Alaska

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HIN, HIN, HIN, etc.

IDC 23 10:13:17.4, 0.7, 60.28°N:146.56°W, h0km, mb3.8/12, Mb1 4.0/17, mb1mx3.8/80, mbtmp3.8/17, ML3.6/5, MS1.9/1, Ms1 1.9/1, ms1mx1.9/70, Error ellipse: s-maj=1.4km s-min=1.1km az=42.0

ISCJB 23 10:13:18.1, 0.4, 60.25°N:0.02:146.62°W:0.03, h22km, 3km, mb3.8/12, Error ellipse: s-maj=4.2km s-min=2.7km az=13.9

NEIC 23 10:13:18.9, 0.0, 60.28°N:146.56°W, h4km, ML3.7(AEIC), After A1C.

ISC 23 10:13:18.6, 1.0, 60.27°N:0.03:146.61°W:0.03, h12km, 6km, n127, c095/137, mb3.9/12, Southern Alaska

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HIN, HIN, HIN, etc.

BERG	Berg Lake	1.45	84	P	Pn	10 13 43.7	-1.0
BERG					Sn	10 14 04.0	+0.3
KNK	Knik Glacier	1.46	323	P	Pn	10 13 44.9	0.0
SCM	Sheep Creek Mo	1.61	348	P	Pn	10 13 46.7	-1.5
GRIN	Grindline Hills	1.64	98	P	Pn	10 13 45.9	-1.5
KHIT	Khitrov Hills	1.68	293	P	Pn	10 13 46.2	-1.7
RC01	Rabbit Creek A	1.75	300	P	Pn	10 13 48.4	-0.3
SML	Sawmill	1.76	332	P	Pn	10 13 49.2	+0.2
GLB	Gilahina Butte	1.81	48	P	Pn	10 13 48.8	-0.9
SLKM	Skilak Lake	1.81	279	P	Pn	10 13 49.2	-0.5
PMR	Palmer	1.81	318	P	Pn	10 13 49.8	+0.2
VRD	Verde Repeater	1.83	230	P	Pn	10 13 50.0	+0.0
GHO	Gloire Ho Cre	1.88	324	P	Pn	10 13 51.3	+0.6
PS11	TAPS Pump St11	1.90	16	P	Pn	10 13 51.6	+0.7
TGL	Tana Glacier	1.93	74	P	Pn	10 13 50.2	-1.2
KULT	Kultith River	1.94	89	P	Pn	10 13 49.9	-1.6
FIB	Fire Island	1.97	299	P	Pn	10 13 52.7	+0.9
BARK	Barkley Ridge	2.05	84	P	Pn	10 13 51.4	-1.3
MCARA	McCarthy VSAT	2.08	56	P	Pn	10 13 52.6	-0.8
ISLE	Juniper Island	2.15	79	P	Pn	10 13 53.0	-1.4
KIAG	Kiagna River	2.20	71	P	Pn	10 13 53.9	-1.3
PTPK	Patty Peak	2.24	64	P	Pn	10 13 55.0	-0.7
BALM	Baldy	2.24	98	P	Pn	10 13 54.5	-1.1
BAGL	Bagley Icefield	2.26	82	P	Pn	10 13 54.5	-1.2
HARP	HAARP	2.26	17	P	Pn	10 13 56.1	+0.3
MESA	MESA	2.33	90	P	Pn	10 13 55.7	-1.2
SUA	Susitna One	2.35	303	P	Pn	10 13 56.5	-0.7
CNPM	China Post	2.42	292	P	Pn	10 13 57.7	-0.7
BARN	Barnard Glacie	2.50	70	P	Pn	10 14 02.2	-1.0
RKAV	Rock Avalanch	2.62	87	P	Pn	10 14 00.7	-0.3
CTGM	Chitina Glacie	2.69	73	P	Pn	10 14 00.9	-0.1
TABL	Table Mountain	2.72	84	P	Pn	10 14 01.9	-0.4
CHX	Chaix Hills	2.75	92	P	Pn	10 14 02.2	-0.5
PAX	Paxson	2.75	92	P	Pn	10 14 02.9	0.0
DHY	Denali Highway	2.84	353	P	Pn	10 14 04.2	+0.3
SPCG	Spurr Capps Gl	2.84	294	P	Pn	10 14 03.3	-0.7
SPCP	Crater Peak Br	2.90	293	P	Pn	10 14 04.3	-0.4
SAMH	Samovar Hills	2.92	90	P	Pn	10 14 04.5	-0.4
SKT	Skwentna	2.94	308	P	Pn	10 14 04.5	-0.7
MCK	McKinley	3.08	333	P	Pn	10 14 07.1	+0.8
RDJH	Redoubt Jeurge	3.09	277	P	Pn	10 14 06.4	-0.9
RWB	Redoubt West	3.10	277	P	Pn	10 14 06.3	-1.2
PS10	TAPS Pump St10	3.19	7	P	Pn	10 14 08.9	+0.3
YU2K	White River	3.19	59	P	Pn	10 14 09.0	+0.3
YU1K	Sand Pete Hill	3.50	55	P	Pn	10 14 13.2	+0.2
BYCY	Byrd Creek	3.55	30	P	Pn	10 14 13.2	+0.3
RIDG	Independ' e Rid	3.58	13	P	Pn	10 14 14.8	+0.7
DOT	Dot Lake	3.60	18	P	Pn	10 14 15.0	+0.8
BCA3	Beaver Creek A	3.63	37	P	Pn	10 14 14.7	0.0
TRF	Thorofare Moun	3.64	333	P	Pn	10 14 15.2	+0.3
MCK	McKinley	3.68	333	P	Pn	10 14 15.2	+0.3
PNI	Peninsula	3.68	96	P	Pn	10 14 13.1	-1.7
CDD	Cape Douglas	3.82	252	P	Pn	10 14 18.1	+0.9
KTH	Kantishna Hill	3.88	330	P	Pn	10 14 18.8	+0.7
SCRK	Sand Creek	3.92	17	P	Pn	10 14 18.5	-0.2
KDAK	Kodiak Island	3.97	234	Pn	Pn	10 14 18.4	-0.8
	4.3nm,0.3s,baz=70,slow=12,SNR=154						
KDAK					Sn	10 15 02.5	-3.0
	5.3nm,0.3s,baz=176,slow=18,SNR=8.5						
KDAK	Kodiak Island	3.97	234	P	Pn	10 14 19.2	0.0
YUK4	Talbot Arm	4.09	323	P	Pn	10 14 20.9	+0.4
CAS	Castle Rock	4.09	323	P	Pn	10 14 21.1	+0.3
YUK6	Outpost Mounta	4.12	77	P	Pn	10 14 21.3	-0.3
HDA	Harding Lake	4.16	358	P	Pn	10 14 22.5	+0.6
WRH	Wood River Hill	4.28	351	P	Pn	10 14 23.5	0.0
PS08	TAPS Pump Stn8	4.29	359	P	Pn	10 14 23.1	-0.6
BRWF	Bear Paw	4.32	345	P	Pn	10 14 24.5	-0.1
CCB	Clear Creek Bu	4.43	353	P	Pn	10 14 25.1	-0.5
NEA	Nenana	4.47	346	P	Pn	10 14 25.9	-0.3
CHUM	Lake Minchuminc	4.51	326	P	Pn	10 14 26.9	+0.2
ILAR	Eielson Array	4.52	359	Pn	Pn	10 14 25.9	-1.0
	3.8nm,0.3s,baz=193,slow=14,SNR=168						
ILAR					Lg	10 15 31.2	
	5.9nm,0.3s,baz=185,slow=21,SNR=6.6						
ILB	Eielson Array	4.52	359	P	Pn	10 14 25.9	-1.0
HYT	Haines Junction	4.53	79	P	Pn	10 14 27.2	+0.1
CHK	Old Harbor	4.57	213	P	Pn	10 14 25.9	+2.3
COLA	College	4.66	353	P	Pn	10 14 28.3	-0.4
KAKN	Katmai Knife C	4.76	249	P	Pn	10 14 30.7	+0.4
MDM	Murphy Dome	4.77	352	P	Pn	10 14 29.8	-0.5
KABU	Katmai Buttes	4.88	250	P	Pn	10 14 33.3	+1.4
CAHL	Cailli	4.99	247	P	Pn	10 14 33.6	+0.2
DAWY	Dawson	5.09	38	ePn	Pn	10 14 34.8	0.0
	20nm,0.5s						
MLY	Manley	5.14	340	P	Pn	10 14 35.6	+0.1
EGAK	Eagle	5.18	27	P	Pn	10 14 36.0	+0.1
TT01	Tatalina	5.21	305	P	Pn	10 14 34.8	-1.6
PLBC	Pleasant Camp	5.26	126	P	Pn	10 14 36.0	-0.6
PRP	Porcupine Dome	5.29	5	P	Pn	10 14 37.1	-0.5
SKAG	Skagway	5.74	93	P	Pn	10 14 43.0	-0.6
WHY	Whitehorse	5.82	81	P	Pn	10 14 44.2	-0.5
BES	Bessie Mountai	6.24	101	P	Pn	10 14 49.6	-0.8
GCSE	Galena City Sc	6.54	318	P	Pn	10 14 54.2	-0.2
JIS	Juneau Island	6.58	144	P	Pn	10 15 01.1	-1.1
SIT	Sitka	6.71	114	P	Pn	10 14 55.2	-1.6
COLD	Coldfoot	7.17	349	P	Pn	10 15 02.8	-0.3
BM3	Burnt Mountain	7.24	6	P	Pn	10 15 03.3	-0.8
TOLK	Toolik Lake Re	8.50	353	P	Pn	10 15 22.1	+0.6
CRAG	Craig	8.64	118	P	Pn	10 15 20.9	-2.5
DLBC	Dease Lake	8.67	95	Pn	Pn	10 15 23.2	-0.6
	1.5nm,0.3s,baz=284,slow=7.9,SNR=29						
DLBC	Dease Lake	8.67	95	P	Pn	10 15 22.7	-1.1
INK	Inuvik	9.85	30	Pn	Pn	10 15 40.1	+0.4
	0.2nm,0.3s,baz=216,slow=16,SNR=11						
INK					Lg	10 18 31.9	
	0.1nm,0.3s,baz=210,slow=7.8,SNR=4.5						
YKA	Yellowknife Ar	15.41	68	Pn	Pn	10 16 54.3	-1.2
	0.1nm,0.3s,baz=274,slow=9.8,SNR=8.8						
YKA					LR	10 23 10.8	
	comp=Z,4.4nm,18.6s,baz=265,slow=39						
YBH	Yreka Blue Hor	23.65	131	P	P	10 18 32.0	+2.3
	2.4nm,0.9s,baz=340,slow=4.5,SNR=5.3						
NVAR	Mina Array Bea	28.20	126	P	P	10 19 12.7	+1.5
	0.7nm,0.7s,baz=309,slow=7.3,SNR=5.7						
PDAR	Pinedale Array	28.42	111	P	P	10 19 13.6	+0.5
	0.3nm,0.5s,baz=314,slow=4.4,SNR=7.2						
TXAR	Lajitas Array C	42.17	118	P	P	10 21 12.2	+1.2
	0.3nm,0.6s,baz=324,slow=5.2,SNR=4.9						
TKL	Tukaleechec C	46.49	93	P	P	10 21 45.8	+0.3
	2.0nm,0.6s,baz=108,slow=3.7,SNR=5.8						
ARCES	ARCES Array B	50.37	4	P	P	10 22 13.9	-0.9
	2.9nm,0.3s,baz=2.5,slow=1.3,SNR=4.7						
KSRS	Korea Array	56.20	287	P	P	10 22 58.8	+0.7
	1.0nm,0.6s,baz=46,slow=6.3,SNR=3.7						
KSAR	Wonju Array Be	56.23	287	P	P	10 22 58.8	+0.4
SOMR	Songino Array	57.15	310	P	P	10 23 06.4	+1.5
	1.5nm,0.8s,baz=54,slow=7.9,SNR=4.3						
EKA	Eskdalemuir Ar	61.14	23	P	P	10 23 32.7	+0.5
	1.3nm,0.6s,baz=354,slow=5.8,SNR=3.6						
MKAR	Makanchi Array	66.12	326	P	P	10 24 04.2	-1.2
	0.3nm,0.5s,baz=47,slow=7.7,SNR=4.5						
AKASG	Malin Array B	69.33	3	P	P	10 24 25.0	-0.5
	0.2nm,0.3s,baz=8.8,slow=6.7,SNR=3.5						
ESDC	Sonsec Array	75.79	29	P	P	10 25 04.5	+0.3
	0.8nm,0.5s,baz=343,slow=5.5,SNR=8.1						
QSPA	South Pole Qu	150.07	180	PKPbc	PKPbc	10 33 06.8	-0.6
	0.3nm,0.8s,baz=204,slow=0.9,SNR=6.7						

10 23 21:01:09.21.8,6765.15545E,h0km,mb3.6/4, mb1 3.9/4,mb1mx3.5/45,mbtmp3.6/4,Error ellipse: s-maj=65.3km s-min=30.8km az=128.0, Bougainville-Solomon Islands region

Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time Res	ISC
WRA	Warramunga Arr	24.32 235	P			10 26 29.3	+0.4
	0.7nm,0.5s,baz=58,slow=9.7,SNR=8.4						
WRA					PcP	10 30 09.1	+0.2
	0.2nm,0.5s,baz=64,slow=2.4,SNR=6.6						
ASAR	Alice Springs	26.66 229	P			10 26 48.9	-1.2
	0.2nm,0.4s,baz=57,slow=9.5,SNR=4.4						
H1S3	WAKE ISLAND HY 27.44	24	T			10 55 29.5	
	baz=203,slow=75,SNR=2.7						
H1S2	WAKE ISLAND HY 44.24	24	T			10 55 30.6	
	baz=203,slow=75,SNR=30						
H1S1	WAKE ISLAND HY 27.45	24	T			10 55 31.9	
	baz=203,slow=75,SNR=1.7						
CMAR	Chiang Mai Arr	61.09 295	P			10 31 26.2	+0.6
	1.9nm,0.8s,baz=123,slow=5.0,SNR=7.0						
ILAR	Eielson Array	82.99 21	P			10 33 35.4	-0.6
	0.3nm,0.6s,baz=241,slow=5.2,SNR=5.1						

DJA 23 10:28:48.8:1.8,0°S,3°12'3"E,h18km,mb18km,M3.6/6, MLV3.6/8,Minahasa Peninsula,Sulawesi

Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time Res	ISC
LWUI	Luwuk	1.00 207	P			10 29 07.9	0.0
KMSI	Cibinong	1.04 46	S			10 29 08.2	-0.1
KMSI			P			10 29 22.8	+0.1
MRSI	Marisa	1.43 296	P			10 29 13.6	-0.3
APSI	Ampana	1.75 244	P			10 29 18.7	+0.4
SANI	Sanana	3.34 124	P			10 29 39.8	-0.4
MPSI	Mapaga	3.37 278	P			10 29 40.7	+0.2
LBMI	Labuha	4.30 96	P			10 29 53.2	-0.2

JMA 23 10:38:32.6:0.1,35°39'N-138°73'E,h16km,2km,M0.2, Eastern Honshu

Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time Res	ISC
JYN	Shimob	0.19 305	S			10 38 40.5	+0.2

BUI 23 10:44:44.1,47°30'N-153°67'E,h59km,mb4.7/29,mb4.9/22, Ms4.3/14,Ms7.4/11

SKHL 23 10:44:45.7,0.0,47°18'N-153°57'E,h63km,4km,mb5.1/1, Ms3.7/1,msH4.2/1

MOS 23 10:44:45.6:1.1,47°22'N-153°40'E,h64km,mb4.8/24,Error ellipse: s-maj=8.1km s-min=5.4km az=60.9

ISCJB 23 10:44:45.0:0.5,47°28'N-153°40'E:0.04,h57km,4km, mb4.6/118,MS3.6/19,Error ellipse: s-maj=6.3km s-min=2.8km az=149.7

NEIC 23 10:44:47.6:0.3,47°28'N-153°30'E,h64km,2km,mb4.6/90, Error ellipse: s-maj=4.3km s-min=2.0km az=153.0

IDC 23 10:44:48.8:2.2,47°34'N-153°30'E,h75km,2km,mb4.0/27, mb1.3/20,ms1mx3.3/60,Error ellipse: s-maj=14.4km s-min=9.7km az=148.0

ISC 23 10:44:45.6:0.4,47°19'N-153°58'E:0.04,h49km,2km, h49km:pp-P,n592°,a1Z°27627,mb4.6/118,MS3.8/21,8C-8D, Kuril Islands

Code	Station Name	Δ° AZ°	Op
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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WRA, D35A, S22A, Q24A, D36A, C37A, F34A, OGNB, OGNB, 214A, G34A, F35A, D37A, E36A, SDCO, F36A, ECSD, ECSD, H35A, TUC, E38A, KIV, KIV, KIV, KIV, F38A, T25A, T25A, H36A, SPMM, E39A, BGNE, TASM, ANMO, ANMO, ANMO, ANMO, TASL, AKASG, I36A, F39A, E40A, H37A, G38A, I37A, I37A, I37A, J36A, F40A, E41A, J37A, I38A, H39A, K36A, G40A, 121A, E42A, F41A, GNI, K37A, H40A, I39A, I39A, AS01, AS31, ASAR, M36A, L37A, H41A, J39A, E44A, L38A, G43A, SCIA, SCIA, SCIA, J40A, M38A, K40A, L39A, H42A, JFWS, AMTX, AMTX.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like AMTX, MSTX, MSTX, M39A, L40A, J42A, K41A, MNXX, N39A, K42A, L41A, P37A, M40A, O38A, P38A, N40A, L42A, M41A, BUR08, O40A, BUR04, BURAR, Q38A, P39B, BIZ, Q39A, P40A, P40A, M43A, WMOK, WMOK, WMOK, R38A, O41A, TRPA, EKA, P41A, CLL, CLL, CLL, MORC, S38A, T38A, R40A, R40A, Q41A, MLR, MLR, MLR, MLR, MLR, TX31, TX31, TX31, TXAR, T39A, S40A, HHAR, VOIR, O45A, CCM, T40A, S41A, L48A, U39A, P44A, S42A, R39A, U40A, T41A, P45A, KHC, KHC, P46A, Q45A, T42A, W39A, GEC2, GERES, GERES, GERES, GERES, V40A, U41A, BR101, BRTR, BRTR, BRTR, JCT, O48A.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like R45A, P47A, V41A, MIAR, MIAR, MIAR, OIAR, WHAR, S45A, N50A, V42A, W41B, PARMO, PARMO, X40A, O50A, Q48A, R47A, V43A, ACSO, T46A, M54A, H06N1, S48A, Q50A, N54A, T47A, Q51A, NATX, S49A, T48A, WVT, U47A, V46A, R51A, U48A, T49A, TAOE, V47A, OXF, Y44A, PMOR, 241A, R52A, U49A, T50A, V48A, SSPA, O56A, Y45A, T51A, U50A, V49A, W48A, Y46A, X47A, N59A, W49A, U51A, SWET, SWET, PPT, PPT2, V50A, TZTN, X48A, Y47A, TIAR, U52A, W50A, Y48A, Z47A, V52A, MMA1, W51A, U53A, Z48A, TKL, X50B, 147A, BLA, Y50A, 247A, Y51A, Z50A, Z50A.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like 250A Jones, 149A Estanolee, 53A Libburn, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like 250A Grady, 566A Lake Butler, 149A Tignall, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like 250A Grady, 566A Lake Butler, 149A Tignall, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like 250A Grady, 566A Lake Butler, 149A Tignall, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like 250A Grady, 566A Lake Butler, 149A Tignall, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like BALB Balikesir, BALB Balikesir, IGD Bursa, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like MEX 23 11:10:02.8, 6.16:43N:98.40W, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like NIED 23 11:16:00, 44:00N:148:20E, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like KUR Kuril'sk, KUR 540nm.0.3s, KUR 142nm.0.3s, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like SHO Shikotan, SHO 34nm.0.3s, SHO 42nm.0.3s, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like SMAA Simav-Kutahya, SMAA Simav-Kutahya, SMAA Simav-Kutahya, etc.

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

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

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like KJB Kayabe, KJB Kayabe, JOT Ohata, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like H1N1, H1N1, H1N1, etc.

23d 12h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like INK Inuvik, KURK Kurchatov, BRVK Borovoye, etc.

2012 JUL

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like TWE Neicheng, TWF1 Yulu, YHNB Yeh, etc.

1180

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SGST Jiashan, SLGT Liugu, WLBG Puzi, etc.

IDC 23 11:57:21.2; 1.2, 4.10:57Sx123.61E, h0km, mb3.7/1, mb1 3.6/3, mb1mx3/5/2, mbtmp3.4/3, ML3.3/2, Error ellipse: s-maj=231.3km s-min=33.1km az=53.0, Timor region

NNC 23 12:10:21.8; 2.0, 35:88N-68:76E, h0km, mb4.9, mpv4.7, Error ellipse: s-maj=14.3km s-min=12.5km az=22.0

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KBL Kabul, DZER Dzerino, CEP Cherat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WAKE ISLAND HY 31.15 131 T, ZALV Zalesovo Beam 39.38 308 P, etc.

ISC/JB 23 16:59:18.9:0.7, 21.66S:0.04:68.6W:0.1, h133km, 9km, mb4.6/2, Error ellipse: s-maj=18.6km s-min=6.6km az=4.5

GUC 23 16:59:18.0:0.6, 21.63S:68.62W, h130km, 4km, ML3.4

ISC 23 16:59:21.5: 7.21: 50S: 67.93W, h130km, 5.2km, mb3.8/1, mb1.3/7.3, mb1mx3.2/2.8, mbtmp4.0/3, Error ellipse: s-maj=80.7km s-min=33.4km az=4.0

ISC 23 16:59:19.0: 1.0, 21.64S: 0.05: 68.5W: 0.1, h123km, 10km, n19, c090/32, 6C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IPOC Station P 0.72 258 I/P, IPOC Station P 1.11 302 I/P, etc.

NIED 23 17:09:00.35:80N:140.90E, h8km, Mw3.4 Best double couple: Mo:1.27000...1014 NP1:30.30000...832.00000...

ISC 23 17:09:45.7: 1.8, 35.96N: 141.15E, h0km, mb3.2/3, mb1.3/2.5, mb1mx3.1/60, mbtmp3.1/5, ML2.8/2, Error ellipse: s-maj=39.0km s-min=25.9km az=61.0

ISC/JB 23 17:09:48.1: 1.0, 35.77N: 0.04: 141.05E: 0.08, h23km, 5km, mb3.2/3, Error ellipse: s-maj=10.2km s-min=6.3km az=169.4

JMA 23 17:09:49.8: 0.1, 35.75N: 140.88E, h12km, 1km, M3.5

ISC 23 17:08:48.3: 1.2, 35.78N: 0.04: 140.99E: 0.07, h16km, 6km, n20, c100/21, mb3.4/3, 3C-1D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHOSI Chosi 0.13 235 Op, JHU Itakohinouch 0.42 297 P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WARRAMUNGA ARR 55.77 188 P, MAN 23 17:34:40.6, 15:01N: 119.77E, h20km, mb5.1, ML4.0, etc.

ISC 23 17:34:44.9: 1.5, 14.92N: 119.89E, h81km, 16km, mb3.5/15, mb1.3/6.15, mb1mx4.6/3, mbtmp3.8/15, MS3.1/4, Mb1.3/2.4, ms1mx2.7/3.8, Error ellipse: s-maj=24.6km s-min=14.3km az=68.0

ISC 23 17:34:39.8: 1.5, 15.00N: 0.03: 119.64E: 0.07, h30km, 11km, n36, c210/41, mb4.0/14, 5C, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SANTA CRUZ 0.82 19 eP, LUBANG 1.93 155 eP, BOLINAO 1.40 11 eP, etc.

ISC 23 17:35:04.3: 1.1, 3.09N: 128.29E, h0km, mb3.4/6, mb1.3/6.6, mb1mx3.5/6, mbtmp3.4/6, Error ellipse: s-maj=67.4km s-min=19.1km az=74.0, North of Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WARRAMUNGA ARR 23.65 166 P, ASAR Alice Springs 27.15 169 P, etc.

ISC 23 17:42:00.2: 3.7, 1.41: 24N: 113.09W, h0km, mb1.2/7/1, mb1mx2.6/60, mbtmp2.3/1, ML3.0/1, Error ellipse: s-maj=133.3km s-min=26.6km az=149.0

NEIC 23 17:42:01.3: 1.1, 41.00N: 112.78W, h0km, ML1.8, Error ellipse: s-maj=19.8km s-min=13.2km az=110.0, Suspected Mining explosion.

NEIC 66 km [41 miles] NW of Tooele. ISC 23 17:43:58.9: 1.4, 41.27N: 0.05: 112.95W: 0.08, h0km, n8, c121/17, Utah

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DUG Dugway, Tooele 1.08 175 Op, HWUT Hardrock Ranch 1.09 72 P, etc.

ISC 23 17:43:28.6: 1.6, 17.79S: 178.58W, h550km, 16km, mb3.6/19, mb1.3/8/21, mb1mx3.6/44, mbtmp4.5/21, Error ellipse: s-maj=12.7km s-min=10.0km az=139.0

ISC/JB 23 17:43:10.8: 1.7, 82S: 0.09: 178.70W: 0.10, h579km, mb4.1/20, Error ellipse: s-maj=13.0km s-min=10.6km az=42.6

ISC 23 17:43:31.0: 0.4, 17.8S: 0.1x178.7W: 0.1, h579km, n82, c081/83, mb4.1/20, 5C-FD, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AFI Afiamalu 7.68 61 P, AFJ 3.6m, 0.3s, baz=228, slow=15, SNR=3.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ALICE SPRINGS 44.58 254 P, NWAO Narro Wong 59.04 242 P, VYDA Vanda 60.51 185 P, etc.

ISC/JB 23 17:49:24.2: 0.3, 5.39S: 0.04: 146.85E: 0.05, h123km, mb4.3/25, Error ellipse: s-maj=7.5km s-min=5.6km az=166.9

ISC 23 17:49:27.1: 1.5, 5.48S: 146.65E, h140km, 15km, mb4.0/22, mb1.4/2/26, mb1mx1.1/45, mbtmp4.5/26, MS3.3/4, Ms1.3/3.4, ms1mx2.7/45, Error ellipse: s-maj=18.5km s-min=9.6km az=82.0

NEIC 23 17:49:28.2: 1.1, 5.46S: 146.66E, h148km, 12km, mb4.8/6, Error ellipse: s-maj=10.9km s-min=7.5km az=91.0

DJA 23 17:49:35.4: 0.6, 5.3: 146.6E, h103km, 7km, M5.1/21, mb5.3/7.4, mb1.9/21, MLV5.5/3, Mw(mb)4.7/7

ISC 23 17:49:26.2: 0.4, 5.44S: 0.05: 146.67E: 0.06, h123km, n56, c220/61, mb4.4/25, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PETK Petropavlovsk-73.53 345 P, KRSR Korea Ray 74.47 318 P, etc.

ISC/JB 23 17:49:24.2: 0.3, 5.39S: 0.04: 146.85E: 0.05, h123km, mb4.3/25, Error ellipse: s-maj=7.5km s-min=5.6km az=166.9

ISC 23 17:49:27.1: 1.5, 5.48S: 146.65E, h140km, 15km, mb4.0/22, mb1.4/2/26, mb1mx1.1/45, mbtmp4.5/26, MS3.3/4, Ms1.3/3.4, ms1mx2.7/45, Error ellipse: s-maj=18.5km s-min=9.6km az=82.0

NEIC 23 17:49:28.2: 1.1, 5.46S: 146.66E, h148km, 12km, mb4.8/6, Error ellipse: s-maj=10.9km s-min=7.5km az=91.0

DJA 23 17:49:35.4: 0.6, 5.3: 146.6E, h103km, 7km, M5.1/21, mb5.3/7.4, mb1.9/21, MLV5.5/3, Mw(mb)4.7/7

ISC 23 17:49:26.2: 0.4, 5.44S: 0.05: 146.67E: 0.06, h123km, n56, c220/61, mb4.4/25, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG Port Moresby 3.97 173 P, PMG 84m, 0.3s, baz=350, slow=8.4, SNR=406, etc.

Table with columns: Station Name, Time, Res, and other details. Includes stations like DDI, MK31, MKAR, etc.

Table with columns: Station Name, Time, Res, and other details. Includes stations like SONM, ISK, CMAR, etc.

Table with columns: Station Name, Time, Res, and other details. Includes stations like ISCJB, IDC, PMG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JKRS Kuro-shima, SSSL Suanglung, TYC Yuchr, YULB Yu-I, etc.

NIED 23:20:19.00, 42:30N, 142:50E, h50km, Mw3.6. Best double couple: M2, 72000, 1014, NP1=296, 00000, 873, 00000, 1-13, 00000, NP2=29, 00000, 878, 00000, 1-162, 00000.

ISCJB 23:20:19.08, 5.0, 42:26N, 0:04, 142:56E, 0.05, h69km, 4km, mb3.6/5, Error ellipse: s-maj=6.3km s-min=5.6km az=157.9.

JMA 23:20:19.09, 2.0, 42:28N, 142:59E, h63km, 2km, M3.8. Broadband fault plane solution: P waves. NP1: 295, 00000, 879, 00000, 1-14, 00000, NP2: 28, 00000, 876, 00000, 1-169, 00000. Principal axes: P 342, 00000, N 172, 00000, Azm 78, 00000; P 178, 00000, Azm 251, 00000.

JMA Feit J1. IDC 23:20:19.10, 7.2, 42:34N, 142:35E, h68km, 20km, mb3.4/5, mb1.3/4, mb1mx3.1/61, mbtmp3.6/6, Error ellipse: s-maj=37.0km s-min=16.0km az=92.0.

ISC 23:20:19.05, 0.9, 42:28N, 0:04, 142:55E, 0.04, h61km, 6km, n28, 0:56/63, mb3.7/5, 4C-8D, Hokkaido region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JSHD Hidakashinida, JNKB Urakawa-nobuka, JBT2 Biratori 2, etc.

NNC 23:20:47:12.3, 6.0, 37:14N, 70:50E, h0km, mb3.9, mpv3.5, 4C-1D, Error ellipse: s-maj=104.2km s-min=84.5km az=178.0, Afghanistan-Tajikistan border region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

ISCJB 23:20:57:34.6, 0.5, 9:79N, 0:09, 57:14E, 0:07, h13km, mb4.2/37, MS3.8/35, Error ellipse: s-maj=13.0km s-min=9.0km az=17.5.

IDC 23:20:57:34.4, 0.6, 9:81N, 57:13E, h0km, mb4.1/25, mb1.4/22, mb1mx4.1/62, mbtmp4.1/26, ML4.2/1, MS3.7/37, Ms1.3/77, ms1mx3.6/56, Error ellipse: s-maj=16.9km s-min=14.0km az=24.0.

NEIC 23:20:57:35.9, 0.4, 9:79N, 57:14E, h10km, mb4.0/1, Error ellipse: s-maj=10.5km s-min=7.8km az=196.0.

GCMT 23:20:57:35.9, 0.4, 10:09N, 56:92E, h24km, 1km, MW4.9/65, Moment Tensor Solution. 815, 0:17, s65, c83; Duration: 0 Moment tensor: Scale: 1016Nm, M=2.561, 1, M=1.572, 13, M=0.992, 13, M=1.44, 13; Mw=0.53; 06; Mw=0.42; 16; Best double couple: M2, 48300, 1016, NP1=282, 00000, 857, 00000, 1-105, 00000, NP2: 129, 00000, 836, 00000, 1-68, 00000. Principal axes: T 2, 0370, P1g11, 00000, Azm23, 00000, N 0.8980, P1g13, 00000, Azm291, 00000; P -2, 9280, P1g73, 00000, Azm152, 00000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

CSEM 23:20:57:36.3, 0.3, 9:82N, 57:15E, h10km, mb4.6/9, Error ellipse: s-maj=13.1km s-min=8.9km az=18.0.

BJJ 23:20:57:39.0, 10:30N, 57:70E, h33km, mb4.6/7, MB5.1/3, ISC 23:20:57:37.0, 0.6, 9:91N, 0:57, 21E, 0:08, h13km, n79, 0:15/160, mb4.3/38, MS3.8/35, 4C-4D, Carlsberg Ridge.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WSAR Wadi Sarin, ATD Arta Tunnel, RAYN Ar Rayn, H08N2 Diego Garcia H, etc.

KMB0 Kilima Mbogo 22,662 242 P 2.0mm, 0.6s, baz=69, slow=14, SNR=7.3.

PALK Pallekottai 23,337 95 LR comp=Z, 190mm, 20.7s, baz=296, slow=31.

GEYT Alibeck 27,93 2 P 0.2mm, 0.4s, baz=163, slow=10, SNR=3.3.

EIL Elat 28,64 317 LR comp=Z, 82mm, 18.3s, baz=245, slow=39.

OPO Amboldirampo 29,96 199 LR comp=Z, 214mm, 18.9s, baz=66, slow=36.

MMAI Mount Meron Arr 30,56 322 P 1.2mm, 0.4s, baz=126, slow=9.1, SNR=5.7.

MMAI 0.6mm, 0.6s, baz=131, slow=4.0, SNR=2.6.

GNI Garni 32,11 342 LR comp=Z, 198mm, 18.7s, baz=130, slow=37.

BRDH Bardiakhala Array 42,51 65 LR comp=Z, 190mm, 18.4s, baz=254, slow=36.

KBZ Khabaz 35,94 342 P 2.4mm, 0.8s, baz=156, slow=10, SNR=4.6.

BRTR Keskin Array B 36,38 329 P 0.6mm, 0.5s, baz=156, slow=9.2, SNR=5.9.

BRTR comp=Z, 77mm, 18.5s, baz=116, slow=38.

LSZ Lusaka 38,10 229 P 1.3mm, 0.4s, baz=51, slow=7.4, SNR=5.9.

AKTO Aktyubinsk 40,43 1 P 0.1mm, 0.5s, baz=168, slow=9.6, SNR=4.9.

CMAR Chiang Mai Arr 41,27 73 P 0.7mm, 0.3s, baz=264, slow=9.4, SNR=7.7.

CMAR comp=Z, 22mm, 18.2s, baz=250, slow=37.

MKAR Makanchi Array 42,51 65 LR comp=Z, 109mm, 21.4s, baz=238, slow=37.

MKAR 0.7mm, 0.8s, baz=212, slow=1.7, SNR=3.4.

MKAR comp=Z, 109mm, 21.4s, baz=238, slow=37.

KURBB Kurchatov Arra 44,26 19 P 1.0mm, 0.9s, baz=202, slow=9.8, SNR=9.3.

BVAR Borovoye Array 44,32 11 P 0.6mm, 0.5s, baz=196, slow=9.8, SNR=3.0.

BVAR 0.5mm, 0.6s, baz=197, slow=4.5, SNR=4.4.

BVAR comp=Z, 80mm, 19.3s, baz=222, slow=39.

BVAR Borovoye Array 44,32 11 P 1.0mm, 0.9s, baz=202, slow=9.8, SNR=9.3.

PLOR Plostina 44,36 329 LR comp=Z, 190mm, 18.4s, baz=254, slow=36.

MUR Kurchatov 44,37 19 P 1.0mm, 0.9s, baz=202, slow=9.8, SNR=9.3.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JNU Nakatsue, NWA0 Narrogin (SRO), SPITS Spitsbergen Ar, USRK Ussuriysk Arr, etc.

IDC 23:21:41:10.3, 0.7, 2:38N, 118:75E, h0km, mb4.0/1, mb1.4/2, 1, ms1mx3.8/59, mbtmp4.0/11, MS2.6/1, Ms1.2/6, 1, ms1mx2.2/53, Error ellipse: s-maj=92.9km s-min=14.8km az=60.0.

ISCJB 23:21:41:13.4, 0.6, 2:5N, 0:2, 119:0E, 0.4, h33km, mb4.0/13, Error ellipse: s-maj=56.3km s-min=11.4km az=152.9.

NEIC 23:21:41:15.0, 0.6, 2:44N, 118:90E, h35km, mb4.2/1, Error ellipse: s-maj=75.9km s-min=12.1km az=60.0.

ISC 23:21:41:15.9, 0.8, 2:42N, 0:12, 118:9E, 0.4, h35km, n17, s122/17, mb4.1/13, 2C, Celebes Sea.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DAV Davaya City (W), WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 23:21:49:34.9, 0.5, 28:59S, 176:02W, h0km, mb4.5/18, mb1.4/6/19, mb1mx4.5/41, mbtmp4.5/19, ML4.3/1, MS3.5/19, Ms1.3/6/19, ms1mx3.4/40, Error ellipse: s-maj=19.8km s-min=16.2km az=133.0.

ISCJB 23:21:49:38.0, 0.4, 28:69S, 0:08, 176:17W, 0:1, h36km, mb4.5/23, MS3.6/15, Error ellipse: s-maj=14.0km s-min=10.9km az=23.0.

NEIC 23:21:49:39.9, 0.4, 28:68S, 175:90W, h35km, mb4.3/4, Error ellipse: s-maj=14.2km s-min=10.2km az=147.0.

ISC 23:21:49:39.9, 0.5, 28:77S, 0:09, 175:87W, 0:09, h36km, n83, s122/73, mb4.5/23, MS3.7/15, 2C, Kermadec Islands region.

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

ISCJB 23:20:57:34.6, 0.5, 9:79N, 0:09, 57:14E, 0:07, h13km, mb4.2/37, MS3.8/35, Error ellipse: s-maj=13.0km s-min=9.0km az=17.5.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MTW Mount Morrison, TRW Traveller, KIWI Kapiti Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like n60, r1524/75, 1D, Ecuador, Code Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like n44, r1519/77, 1C-4D, Western Caucasus, Code Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

CSEM 24 01:08:49.5:0.3, 36.95N:27.77E, h1km, ML2.6, Error ellipse: s-maj=6.3km s-min=5.2km az=17.0, Suspected Mining explosion.

MAG1 Magdalena 2.33 277 P Pb 01 33 47.1 +0.2 SOTA Rioblanco 2.62 19 eP Pb 01 33 44.7 +2.9 MILO Milagro-Astudi 2.83 228 P Pb 01 33 49.5 -0.4 ROSC El Rosal 6.05 81 P Pb 01 34 54.4 -1.5

NEV Neytrino 2.42 111 P Pb 01 46 53.1 +0.1 NEV Neytrino 2.42 111 P Pb 01 47 22.8 -0.2 GOF Gofitskoye 2.60 69 eP Pb 01 47 31.8 -1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MSLB Milas, BDRM Kayabasi, BDRM Kayabasi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ATAH Atahualpa, ATAH Atahualpa, LPAZ La Paz, etc.

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

MEX 24 01:09:57.2:0.7, 17.86N:101.61W, h43km, gkm, MD3.9, Near coast of Guerrero

AKHS Akhisar 0.09 14 P Pb 01 43 28.8 -0.2 AKHS Akhisar 0.09 14 P Pb 01 43 31.2 +0.2 AKHS Akhisar 0.09 14 P Pb 01 43 28.8 -0.2

SEV Sevastopol 4.29 277 eP Pb 01 47 15.5 +1.0 SEV Sevastopol 4.29 277 eP Pb 01 47 15.5 +1.0 BRTR Keskin Array B 6.29 227 P Pb 01 47 42.6 +0.5

MEX 24 01:16:30.9:41.0, 25.12N:99.24W, h20km, 999km, MD3.5, Northern Mexico

AYDB Zeytinokoy-Aydi 0.85 174 PG Pb 01 43 42.7 0.0 AYDB Zeytinokoy-Aydi 0.85 174 PG Pb 01 43 42.7 0.0 BALLY Balya 0.95 352 P Pb 01 43 56.8 0.0

Code Station Name Az AzZ Phase ID Time Res ISC. Includes stations like ZIIG Zihuatajejo, ZIIG Puente Sto Nin, etc.

ISCJB 24 01:32:59.9:0.8, 0.35S:0.02:77.52W:0.03, h2km, 5km, mb3.3/2, Error ellipse: s-maj=5.7km s-min=2.7km az=12.9

ISCJB 24 01:46:08.3:0.7, 43.99N:39.52E, h0km, mb3.4/2, mb1 3.8/5, mb1mx3.3/59, mbtm3.5/8, ML3.2/6, MS2.0/1, Ms1 2.0/1, ms1mx1.7/38, Error ellipse: s-maj=14.0km s-min=7.6km az=173.0

ISCJB 24 01:50:50.8:0.7, 19.20S:0.06:69.2W:0.1, h145km, 6km, mb4.2/2, Error ellipse: s-maj=17.4km s-min=9.5km az=6.7

24d 2h

Table with columns: LPAZ, DIMBOKA, KWIC, TORO, and various parameters like comp, E, 12nm, 0.3s, baz, 195, slow, 8.0, SNR, 324.

IDC 24 01:58:55.91.3, 27.84N:52.06E, h0km, mb3.9/10, mb1 3.9/12, mb1mx3.6/59, mbtmp3.9/12, ML4.0/3, Error ellipse: s-maj=27.3km s-min=18.6km az=155.0

CSEM 24 01:59:00.5.0.4, 27.82N:52.17E, h20km, ML3.5, Error ellipse: s-maj=10.6km s-min=4.4km az=64.0

OMAN 24 01:59:01.8.1.2, 27.70N:52.27E, h20km, Error ellipse: s-maj=26.7km s-min=9.3km az=43.0

ISIC 24 01:58:59.0.4, 27.84N:0.05:52.13E:0.04, h26km, n82, a1548/95, mb3.9/11, Southern Iran

Main table for the 24d 2h section, listing station names, codes, and various parameters like Time, Res, and ISC.

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Table with columns: IZEF, Zefreh, 5.04, 2 ePn, Pn, 02 00 14.5 +0.8

CHMN Chesmie madani, CHMN comp=Z, 99nm, 0.3s, CHMN comp=N, 99nm, 0.3s

CHMN Chesmie madani, IKLH Kolahrood, IKLH comp=Z, 184nm, 0.2s, IKLH comp=N, 183nm, 0.1s

ANAR Anarak, ANAR comp=Z, 99nm, 0.1s, ANAR comp=N, 99nm, 0.3s

ANAR Anarak, HOQ Hoqain, SMD Soroye Arra, SMDO Samad, TKDS Khoodashi(Taba)

TKDS Khoodashi(Taba), TNSJ Nastanj, TNSJ comp=Z, 99nm, 0.2s, WSAR Wadi Sarin

WSAR Wadi Sarin, MHTO MHTO, GEYT Alibeck, KBZ Khabaz, BRTR Keskin Arra

AKTO Aktyubinsk, BVAR comp=Z, 0.4nm, 0.3s, baz=218, slow=6.8, SNR=4.1, MKAR Makanchi Arra

KURBB Kurchatov Arra, ZALV Zalesovo Beam, FINES FINES Array B, HFS Hagfors, NOAS NORARS Array B

TORD Torodi Arra, KOWA Kowa, IDC 24 02:01:36.1+1.0, 10.85N:125.68E, h0km, mb3.8/6, mb1 3.9/6, mb1mx3.6/57, mbtmp3.8/6, MS2.9/7, Ms1 2.9/7, ms1mx2.7/52, Error ellipse: s-maj=66.0km s-min=20.7km az=70.0

MAN 24 02:01:39.7+1.0, 10.78N:125.55E, h2km, mb4.7, ML3.6, MS3.5, ISIC 24 02:01:39.7+1.0, 10.78N:125.55E:0.07, h8km, 10km, n23, a225/25, mb, 7.5, MS2.5/5, 1C-1D, Leyte

PLP Palo, BESP Borongan, MSLP Maasin, OCLP Ormoc, SCPH Surigao, BUTP Butuan, CNP Catarman, RCP Roxas, BUKP Musuan, PVCP Virac

DAV Davao City (W), JAW Kunigami, JNU Nakatsue, KRSR Korea Array, CMAR Chiang Mai Arr, MJAR Matsushiro Arr

WRA Warramunga Arr, ASAR comp=Z, 1.1nm, 19.6s, baz=114, slow=34, 0.3nm, 0.5s, baz=347, slow=6.7, SNR=3.4, MKAR Makanchi Arr

KURBB Kurchatov Arr, ILAR Eielson Array, FINES FINES Array B, NOA NORARS Array B

KRSC 24 02:14:50.3+2.1, 49.28N:157.23E, h7km, 43km, ML3.8, East of Kuril Islands

SKR Severo-Kuril's, PAU Pauzhetka, KDTR Khodutka, ASAK Asacha, RUS Ruskaya, MUTV Mutnovka, KRMR Karymshinskiy

UGLR Uglovaya, SMAR Somma, NLC Nalytchevo, SDLR Sedlovina, KRX Arik, SPN Mys Shipunski, GNL Ganaly, MKZ Mys Kozlova

KBTR Krutoberegovo 7.72 24 eP Pn 02 16 48.4 +5.4

ISIC 24 02:27:38.9+1.1, 18.41N:0.09:145.9E:0.4, h150km, mb3.5/6, mb1mx3.1/56, mbtmp3.8/6, Error ellipse: s-maj=47.6km s-min=18.8km az=101.0

ISIC 24 02:27:40.5+1.2, 18.41N:0.1:145.8E:0.4, h150km, n12, a1517/17, mb3.5/5, Mariana Islands

GUMO Guam, GUMO comp=N, 0.3s, baz=9.6, slow=18, SNR=4.6, H11S3 WAKE ISLAND Hy 19.81 86 T T 02 52 12.3

H11S1 WAKE ISLAND Hy 19.82 86 T T 02 52 09.6, H11S2 WAKE ISLAND Hy 19.82 86 T T 02 52 09.8, H11N1 WAKE ISLAND Hy 19.82 83 T T 02 52 31.5

H11N2 WAKE ISLAND Hy 19.83 83 T T 02 52 30.9, H11N3 WAKE ISLAND Hy 19.83 83 T T 02 52 33.2, WRA Warramunga Arr 39.69 197 P P 02 34 56.2 -1.9

ARL Amri Springs, KURBB Kurchatov Arra 61.65 318 P P 02 37 43.2 +0.8, ILAR Eielson Array 63.90 26 P P 02 37 58.0 +0.8, FINES FINES Array B 87.24 335 P P 02 40 09.7 -0.2

MAN 24 02:36:03.8, 10.82N:125.54E, h1km, mb4.4, ML3.3, MS3.0, 1C, Leyte

PLP Palo, BESP Borongan, MSLP Maasin, MSPL MSPL, CNP Catarman

TRN 24 02:54:53.8, 14.98N:61.18W, h178km, MD3.6, 6C-1D, Windward Islands

BAMF Morne Balai, PCM Pelee Case Pet, CXM Morne La Croix, FDF Fort de France, FDF Fort de France

NOA NORARS Array B, ARCS ARCS Array B, TORD Torodi Arra, KOWA Kowa

BIM Bigot, BMM Montagne Vaucl, BBL Barber's Block, LPMF Marie-Galante, MGG Marie-Galante

TBG Guadeloupe-3, TBG Belfond, SLB Belfond, MCLT Moutle a Chique, MCLT Moutle a Chique

SEG Port Louis, SVV Soufriere Volc, SVV Soufriere Volc, SVB Belmont, SCPH Surigao

MLYT Lee's Yard, BPA Boggy Peak, BPA Boggy Peak, BIGH Gun Hill, BBGH Gun Hill

NEV Hard Times, NVRH North Hill, Ne ANWB Willy Bob, ANWB Willy Bob, GRGR Grenville, GRGR Grenville

SABA Saba, SMRT St. Maarten, TOSP Speyside, TOSP Speyside

IDC 24 02:57:33.4+0.9, 11:05S:163:20E, h0km, mb4.1/9, mb1 4.3/10, mb1mx3.0/45, mbtmp4.1/10, ML3.6/1, MS3.5/10, MS3.5/10, ms1mx3.2/38, Error ellipse: s-maj=30.3km s-min=20.5km az=102.0

ISIC 24 02:57:35.9+0.4, 11:17S:0:07:163:34E:0.06, h31km, mb4.6/21, MS3.6/7, Error ellipse: s-maj=10.0km s-min=8.8km az=167.2

NEIC 24 02:57:38.6+1.4, 11:13S:163:37E, h39km, 13km, mb4.8/13, Error ellipse: s-maj=11.6km s-min=9.6km az=148.0

ISIC 24 02:57:38.1+0.6, 11:09S:0:09:163:30E:0.07, h31km, n47, a135/33, mb4.5/21, MS3.8/7, Bougainville-Solomon Islands region

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

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Distance, Time, Res. Includes stations like H11S1 WAKE ISLAND Hy 29.60, WAKE Wake Island, AS01 Alice Springs, etc.

DDA 24 03:02:43.7, 37.01N-27.62E, h7km, ML2.5, Suspected Mining explosion.
ISK 24 03:02:43.3, 36.99N-27.62E, h14km, ML2.5/5
CSEM 24 03:02:44.2, 0.1, 36.99N-27.63E, h1km, ML2.5, Error ellipse: s-maj=2.4km s-min=2.1km az=97.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Distance, Time, Res. Includes stations like BDRM Kayabasi, BDRM Kayabasi, DAT Data, etc.

ISC:JB 24 03:02:57.5-0.5, 7.60N, 0.02x126.68E, 0.04, h75km, 4km, mb4.5/90, Error ellipse: s-maj=5.9km s-min=3.5km az=172.5
MAN 24 03:02:57.1, 7.58N, 126.58E, h14km, mb5.5, ML4.5, MS4.7
BUJ 24 03:02:58.7, 7.70N, 126.70E, h96km, mb4.7/29, mb5.0/19, Ms4.4/8, Ms7.4/18

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Distance, Time, Res. Includes stations like BIPH Bislig, BIPH Bislig, MATI Mati, etc.

Main table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Distance, Time, Res. Includes stations like DMPH Davao City-Mi, DMPH Davao City-Mi, BUKP Musuan, etc.

Main table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Distance, Time, Res. Includes stations like MTSU Mount Surprise, AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns: GNI, GARNI, CAST, SKT, SUA, BPAW, MLY, TRF, COLD, PMR, MCK, SML, MDM, WRH, CCB, DHY, SCM, GLI, HDA, ILI, ILAR, ILB, FLD, KLMR, DIV, RID, BMRM, CRQM, EGAK, DAWY, ASF, INK, INK, SPITS, ARCO, ARAS, MMAI, WHY, BR101, BR131, BRTR, BRTR, FIAO, FINE, AKASG, AKKB, MLR, NOA, SYO, YKA, YKB5, GECC, GERES, GERES, T3AR, T3XA, TORD, TOAT, WAO, LPZA, LPZA. Includes station names, coordinates, and various codes.

MEX 24 03:32.0:11.0, 24:94N-99:67W, h20km, 999gk, MD3.6, Central Mexico. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

DDA 24 03:10:08.6, 37:01'N-27:63'E, h7km, M12.7, Suspected Mining explosion. ISK 24 03:10:08.7, 37:01'N-27:62'E, h10km, ML2,4/8. ISCJB 24 03:10:09.1, 37:01'N-27:63E:0.03, h0km, Error ellipse: s-maj=3.5km s-min=3.1km az=174.8. CSEM 24 03:10:09.3, 37:01'N-27:63E, h1km, ML2.7, Error ellipse: s-maj=0.0km s-min=2.3km az=90.0, Suspected Mining explosion. ISC 24 03:10:08.2, 37:03'N-02:27:73E:0.02, h0km, n32, 136/55, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kayabasi, Milas, Datca, Bodrum, Yerkelik, Tasoluk, Turunc.

Table with columns: GCAM, GCAM, GCAM, GCAM, GCAM, ARG, ARG, ARG, AYDB, AYDB, AYDB, AYDB, AYDB, FETY, FETY, FETY, DGB. Includes station names and coordinates.

IDC 24 03:10:17.8, 0.8, 37:55'N-92:23'E, h0km, mb3.8/8. r101 3.9/10, mb1mx3.7/7.0, mbtmp3.7/10, ML4.0/1, Error ellipse: s-maj=40.8km s-min=17.2km az=46.0. BUJ 24 03:10:19.7, 37:57'N-92:30'E, h5km, ML3.6/7. NEIC 24 03:10:19.2, 0.4, 37:71'N-92:38'E, h10km, mb4.2/5, Error ellipse: s-maj=15.4km s-min=7.6km az=220.0. ISC 24 03:10:19.8, 0.8, 37:68'N-01:92:0E:0.1, h10km, n27, 2:02/31, mb4.0/12, Qinghai

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Gaotai, Urumqi, Makanchi Array, Kurchatov Arra, Bailliatuau, Keskin Array B, Keskin Array S, FINESS Array B, FINESS Array S, NORARS Array B, NORARS Array S, Alice Springs, Torodi Arr. Sit, Torodi Arr. Bea, Torodi Arr. Bea, Pah Range.

NNC 24 03:25:27.2, 1.9, 45:01'N-82:43'E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=25.7km s-min=6.4km az=109.0. SOME 24 03:25:28.2, 45:05'N-82:57'E, h25km. ISC 24 03:25:28.2, 1.6, 45:05'N-0:05:82:56E:0.08, h10km, n21, 2:53/41, 3C-3D, Kazakhstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Makanchi Array, Jarkent, Ketmen, Kapalarasan, Podgornye, Shalkode, Uzunbulak, Arshary, Kuram, Taldygorghan, Uzunbulak, Kokske, Kotsybulak, Medeo, Kuram, Chushkaly, Kotsybulak, Medeo, Tian-Shan.

Table with columns: TNSS, KUU, KUU, MTBS, MTBS, KST, KST, DGS, DGS, DGS. Includes station names and coordinates.

ISCJB 24 03:31:22.9:1.0, 34:80'N-0:04:141:59E:0:09, h27km, mb3.5/2, Error ellipse: s-maj=10.4km s-min=6.1km az=169.4. JMA 24 03:31:22.0:2.0, 34:72'N:141:161E, h52km, 2km, M2.5. IDC 24 03:31:22.1, 2.5, 34:72'N:141:161E, h0km, mb3.4/2, mb1 3.4/4, mb1mx3.2/5.9, mbtmp3.2/4, ML2.72, MS1.9/1, Ms1 1.9/1, ms1mx1.8/3.0, Error ellipse: s-maj=44.1km s-min=32.3km az=59.0. ISC 24 03:31:24.3:1.4, 34:81'N-0:05:141:4E:0:1, h27km, n13, 2:06/15, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Boso 1, Boso 3, Choshi, Oshima 3, Odawara 2, Hachioji jima 2, Ashikaga, Ryogami san, Otama, Matsushiro Arr, Warramunga Arr, Alice Springs, Comitan.

MEX 24 04:19:30.8:0.3, 15:81'N-93:86'W, h86km, 6km, MD3.8, Near coast of Chiapas. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Jordan, Cuyob, Cuyob, Cuyob, Pagadian, Roxas.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Jordan, Cuyob, Cuyob, Pagadian, Roxas.

SOME 24 04:25:35.2, 44:65'N-82:33'E, h20km. NNC 24 04:25:37.1, 0.6, 44:71'N-82:28'E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=1.1km s-min=2.5km az=106.0. ISCJB 24 04:25:38.7, 1.4, 44:80'N-0:06:82:4E:0:1, h33km, Error ellipse: s-maj=14.0km s-min=5.2km az=27.5. ISC 24 04:25:40.4:2.0, 44:33'N-0:07:82:4E:0:1, h35km, n9, 2:00/17, 4C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Jarkent, Ketmen, Kapalarasan, Podgornye, Shalkode, Uzunbulak, Arshary, Kuram, Taldygorghan, Uzunbulak, Kokske, Kotsybulak, Medeo, Kuram, Chushkaly, Kotsybulak, Medeo, Tian-Shan.

ISCJB 24 04:28:44.9:0.7, 40:05'N-0:04:31:79E:0:04, h0km, Error ellipse: s-maj=6.1km s-min=4.3km az=169.2. ISK 24 04:28:44.8, 40:14'N-31:82'E, h8km, ML2.6/3. CSEM 24 04:28:44.0, 40:12'N-31:79E, h1km, ML2.3, Error ellipse: s-maj=6.8km s-min=5.1km az=172.0, Suspected Mining explosion. DDA 24 04:29:39.0, 40:12'N-31:77E, h6km, ML2.3, Suspected Mining explosion. ISC 24 04:28:44.0, 0.9, 40:04'N-0:04:31:79E:0:03, h0km, n22, 0:49/35, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MIHALICIK, Mudurnu, Camlidere-ANKA, Ankara, Taskesti.

24d 5h

446A	Poplarville	16.51	28	P	Pn	05 29 15.9	-3.2
344A	Westbrook Farm	16.52	23	P	Pn	05 29 16.3	-3.0
344A	Westbrook Farm	16.52	23	ePn	Pn	05 29 18.5	-0.7
MNTX	Cornudas Mount	16.58	338	P	Pn	05 29 20.8	+0.7
MNTX	Cornudas Mount	16.58	338	ePn	Pn	05 29 21.1	+1.0
242A	Grayson	16.59	18	P	Pn	05 29 16.8	-3.3
243A	Waterproof	16.64	21	P	Pn	05 29 18.1	-2.6
345A	Thompson Farm	16.67	25	P	Pn	05 29 18.9	-2.2
140A	Cam and Jess	16.76	14	P	Pn	05 29 23.0	+0.7
140A	Cam and Jess	16.76	14	ePn	Pn	05 29 22.6	+0.4
447A	Lucedale	16.85	30	P	Pn	05 29 19.9	-3.4
447A	Lucedale	16.85	30	ePn	Pn	05 29 23.3	0.0
141A	Papa Simpson	16.89	16	P	Pn	05 29 24.1	+0.2
SRIG	Santa Rosalia	16.93	312	ePn	P	05 29 25.6	-0.7
346A	Big Creek Wild	16.98	27	P	Pn	05 29 21.9	-3.1
346A	Big Creek Wild	16.98	27	ePn	Pn	05 29 24.2	-0.8
346A	Big Creek Wild	16.98	27	ePn	Pn	05 29 24.2	-0.8
244A	Avery, Jackson	17.07	22	P	Sn	05 32 37.7	+4.0
142A	Monroe	17.11	18	P	Pn	05 29 23.4	-3.2
HSIG	57nm, 1.2s	17.17	319	ePn	P	05 29 30.1	+1.0
VBMS	Vicksburg	17.29	23	P	Pn	05 29 25.7	-3.1
VBMS	Vicksburg	17.29	23	ePn	Pn	05 29 27.5	-1.4
448A	Bay Minette	17.34	31	P	Pn	05 29 26.5	-3.1
245A	Little AP, Sta	17.36	25	P	Pn	05 29 26.7	-3.0
240A	Long Farm, Mag	17.39	14	P	Pn	05 29 27.0	-3.1
347A	Saralano	17.41	29	P	Pn	05 29 27.8	-2.5
143A	Socs Landing	17.42	20	P	Pn	05 29 27.2	-3.4
143A	Socs Landing	17.42	20	ePn	Pn	05 29 29.4	-1.1
241A	Richland Creek	17.54	15	P	Pn	05 29 27.8	-4.1
241A	Richland Creek	17.54	15	ePn	Pn	05 29 30.4	-1.5
449A	Pace	17.54	33	P	Pn	05 29 28.2	-3.8
144A	Alexander Plac	17.69	22	P	Pn	05 29 32.7	-1.2
348A	Jackson	17.72	30	P	Pn	05 29 31.9	-2.3
348A	Jackson	17.72	30	ePn	Pn	05 29 32.7	-1.5
242A	Norrel Spur, H	17.79	18	P	Pn	05 29 32.9	-2.2
145A	Houston Renfro	17.86	24	P	Pn	05 29 33.1	-2.8
450A	Crestview	17.91	35	P	Pn	05 29 33.1	-3.5
247A	Quitman	17.92	28	P	Pn	05 29 33.9	-2.9
243A	Armstrong Fami	17.94	19	P	Pn	05 29 34.6	-2.3
BRAL	Brewton	17.95	33	P	Pn	05 29 34.4	-2.7
BRAL	Brewton	17.95	33	ePn	Pn	05 29 36.4	-0.6
MSTX	Muleshoe	18.00	348	P	Pn	05 29 37.2	-0.6
MSTX	Muleshoe	18.00	348	ePn	Pn	05 29 37.4	-0.4
349A	Repton	18.02	32	P	Pn	05 29 34.9	-3.0
Y40A	Okolona	18.14	13	P	Pn	05 29 37.1	-2.3
Y41A	Eaglette Beard	18.18	15	P	Pn	05 29 37.7	-2.1
146A	Union	18.23	26	P	Pn	05 29 37.4	-3.2
146A	Union	18.23	26	ePn	Pn	05 29 39.2	-1.3
121A	Cookes Peak, D	18.27	334	P	P	05 29 42.9	+1.6
244A	Pea Ridge, Bel	18.27	21	P	Pn	05 29 37.9	-3.1
WMOK	Wichita Mounta	18.31	359	P	Pn	05 29 40.1	-1.3
WMOK	Wichita Mounta	18.31	359	ePn	Pn	05 29 40.2	-1.3
WMOK	Wichita Mounta	18.31	359	ePn	Pn	05 29 40.2	-1.3
248A	Dixon Mills	18.36	30	P	Pn	05 29 39.8	-2.2
Y42A	Garnett, Star	18.36	17	P	Pn	05 29 39.4	-2.7
CCAR	Cane Creek	18.44	17	eP	P	05 29 42.5	-0.5
X39A	Fountain Ranch	18.46	11	P	P	05 29 40.7	-2.5
350A	Dozier	18.52	34	P	P	05 29 41.0	-2.9
059Z	Ave Maria	18.54	55	P	P	05 29 41.1	-3.1
MIAR	Camden	18.56	31	P	P	05 29 41.8	-2.6
MIAR	Mount Ida	18.60	12	P	Pn	05 29 42.3	-2.5
MIAR	Mount Ida	18.60	12	eP	Pn	05 29 43.0	-1.7
MIAR	Mount Ida	18.60	12	eP	Pn	05 29 43.0	-1.7
147A	Livingston	18.60	27	P	P	05 29 42.4	-2.4
147A	Livingston	18.60	27	eP	P	05 29 44.6	-0.1
147A	Livingston	18.60	27	eP	P	05 29 44.6	-0.1
058A	Arcadia	18.62	52	P	P	05 33 20.3	+3.6
245A	Winona	18.63	23	P	P	05 29 42.7	-2.4
245A	Winona	18.63	23	eP	P	05 29 43.9	-1.1
Y43A	Makayla and Ka	18.69	19	P	P	05 29 43.9	-1.8
AMTX	Amarillo	18.70	351	P	P	05 29 45.1	-0.9
AMTX	Amarillo	18.70	351	eP	Pn	05 29 46.1	-0.2
X40A	Basin Creek Fa	18.70	14	P	Pn	05 29 43.1	-2.8
X40A	Basin Creek Fa	18.70	14	eP	Pn	05 29 44.4	-1.5
553A	Crawfordville	18.71	40	P	P	05 29 42.3	-3.8
452A	Marianna	18.74	37	P	P	05 29 41.7	-4.6
061Z	Ochoppi	18.74	57	P	P	05 29 42.7	-3.7
246A	Louisville	18.76	25	P	P	05 29 44.5	-2.0
X41A	Kaden, Bauxite	18.79	15	P	P	05 29 43.7	-3.1
351A	Pinckard	18.81	36	P	P	05 29 43.9	-3.2
148A	Greensboro	18.89	29	P	P	05 29 45.5	-2.5
Y44A	Strider, Charl	18.97	21	P	P	05 29 47.6	-1.2
250A	Grady	19.00	33	P	P	05 29 47.8	-1.3
250A	Grady	19.00	33	eP	P	05 29 48.5	-0.7

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655A	Horseshoe Beac	19.02	44	P	P	05 29 46.8	-2.6
X42A	Stuttgart	19.08	17	P	P	05 29 48.7	-1.3
059A	Moore Haven	19.08	54	P	P	05 29 48.0	-2.1
UALR	University of	19.10	15	eP	P	05 29 49.5	-0.7
554A	Ferry	19.11	42	P	P	05 29 48.4	-2.0
Y45A	Yeager Farm, C	19.12	23	P	P	05 29 49.9	-1.7
Z47A	Carrollton	19.14	27	P	P	05 29 48.6	-2.1
W39A	Magazine	19.19	11	P	P	05 29 49.6	-1.6
W39A	Magazine	19.19	11	eP	P	05 29 50.6	-0.6
149A	Joneview	19.23	31	P	P	05 29 48.9	-2.8
453A	Whigham	19.25	39	P	P	05 29 50.1	-1.9
453A	Whigham	19.25	39	eP	P	05 29 51.3	-0.7
X43A	Marvell	19.26	19	P	P	05 29 50.8	-1.2
X43A	Marvell	19.26	19	eP	P	05 29 51.6	-0.4
Y22D	IRIS PASSCAL I	19.28	338	P	Pn	05 29 54.0	+0.6
Y22D	IRIS PASSCAL I	19.28	338	eP	Pn	05 29 53.5	+0.1
Y22E	IRIS PASSCAL I	19.28	338	P	Pn	05 29 53.7	+0.3
W40A	Ferguson Farm	19.33	13	P	P	05 29 51.7	-1.0
W40A	Ferguson Farm	19.33	13	eP	P	05 29 52.5	-0.3
352A	Blakely	19.35	37	P	P	05 29 50.1	-2.9
352A	Blakely	19.35	37	eP	P	05 29 52.5	-0.5
Y46A	Houston	19.40	24	P	P	05 29 52.4	-1.1
656A	Willston	19.41	45	P	P	05 29 50.8	-3.0
656A	Willston	19.41	45	eP	P	05 29 52.5	-1.2
DWPF	Disney Wildern	19.46	50	P	P	05 29 52.6	-1.7
DWPF	Disney Wildern	19.46	50	eP	P	05 29 53.4	-0.9
757A	Oxford	19.48	47	P	P	05 29 53.2	-1.2
X44A	Crenshaw	19.48	20	P	P	05 29 52.7	-1.7
LRAL	Lakeview Retre	19.48	30	P	P	05 29 52.7	-1.8
LRAL	Lakeview Retre	19.48	30	eP	P	05 29 53.9	-0.6
W41B	Gary Mavity, V	19.50	15	P	P	05 29 53.5	-1.1
W41B	Gary Mavity, V	19.50	15	eP	P	05 29 53.9	-0.7
Z48A	Northport	19.51	28	P	P	05 29 53.5	-1.2
TUC	Tucson	19.52	327	P	Pn	05 29 57.2	+1.0
TUC	Tucson	19.52	327	eP	Pn	05 29 57.1	+0.9
TUC	Tucson	19.52	327	P	Pn	05 29 57.4	+1.2
251A	Midway	19.54	34	P	P	05 29 53.0	-2.1
959A	Okeechobee	19.57	52	P	P	05 29 53.2	-2.2
858A	St. Cloud	19.57	50	P	P	05 29 52.5	-2.9
454A	Quitman	19.58	41	P	P	05 29 53.9	-1.6
TUL1	Leonard	19.60	6	P	P	05 29 54.9	-0.8
TUL1	Leonard	19.60	6	eP	P	05 29 54.8	-0.8
WHAR	Wharrior Hollow	19.60	15	eP	P	05 29 55.1	-0.6
555A	McAlpin	19.60	43	P	P	05 29 53.6	-2.2
150A	Eclectic	19.62	32	P	P	05 29 54.0	-2.0
353A	Camilla	19.66	38	P	P	05 29 55.3	-1.1
X45A	UM Field Stati	19.68	22	P	P	05 29 54.7	-1.9
060A	Indiantown	19.72	54	P	P	05 29 54.5	-2.6
OXF	Oxford	19.75	22	P	P	05 29 55.5	-1.9
OXF	Oxford	19.75	22	eP	P	05 29 56.8	-0.6
OXF	Oxford	19.75	22	eP	Pn	05 29 56.8	-0.6
W42A	Bald Knob	19.78	17	P	P	05 29 56.8	-0.8
859A	Kempfer Cattle	19.83	51	P	P	05 29 55.7	-2.6
Y47A	UCRRC, Winifre	19.83	26	P	P	05 29 56.2	-2.0
V39A	Pettigrew	19.84	11	P	P	05 29 57.7	-0.7
Z49A	Columbiana	19.84	30	P	P	05 29 57.1	-1.2
252A	Lumpkin	19.84	36	P	P	05 29 56.6	-1.8
W43A	Forest City	19.84	19	P	P	05 29 57.2	-1.1
MTDJ	Mount Denham	19.89	82	eP	P	05 29 59.0	-0.1
556A	Lake Butler	19.90	44	P	P	05 29 56.3	-2.7
TASL	SNAKE PIT, Alb	19.91	340	P	Pn	05 30 00.7	-0.3
ANMO	Albuquerque	19.91	340	P	Pn	05 30 00.9	0.0
ANMO	Albuquerque	19.91	340	P	Pn	05 30 00.6	-0.4
ANMO	Albuquerque	19.91	340	eP	Pn	05 30 00.9	0.0
ANMO	Albuquerque	19.91	340	eP	Pn	05 30 00.9	0.0
ANMO	Albuquerque	19.91	340	eP	Pn	05 30 00.9	0.0
TASM	ASI, Red, Albuq	19.91	340	P	Pn	05 30 00.1	-0.8
151A	Opelika	19.92	34	P	P	05 29 57.5	-1.7
V40A	Witts Springs	19.97	13	P	P	05 29 58.8	-1.0
V40A	Witts Springs	19.97	13	eP	P	05 29 58.9	-0.9
455A	Stateville	19.98	42	P	P	05 29 57.7	-2.2
657A	Interlachen	20.01	46	P	P	05 29 57.4	-2.8
X46A	Booneville	20.10	24	P	P	05 30 00.4	-0.8
V41A	Mountainview	20.10	15	P	P	05 29 59.8	-1.4
TIGA	Tifton	20.11	39	P	P	05 29 59.5	-1.8
TIGA	Tifton	20.11	39	eP	Pn	05 29 59.7	-1.6
TIGA	Tifton	20.11	39	eP	Pn	05 30 02.1	-1.0
758A	Lake Helen	20.11	48	P	P	05 29 59.7	-1.6
Y48A	Jasper	20.14	28	P	P	05 30 00.4	-1.2
W44A	Shelby Farms P	20.18	20	P	P	05 30 00.7	-1.3
Z50A	Ashland	20.19	31	P	P	05 30 00.8	-1.4
Z50A	Ashland	20.19	31	eP	P	05 30 01.5	-0.7
HHAR	Hobbs	20.21	10	eP	P	05 30 01.3	-1.1
253A	Americus	20.23	37	P	P	05 30 00.8	-1.9

1202

253A	Americus	20.23	37	eP	P	0
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1203	Greenville	21.82	17	P	P	05 30 18.3	-1.5
Z54A	Sparta	21.83	37	P	P	05 30 17.9	-2.0
V48A	Smith Brothers	21.84	26	P	P	05 30 18.4	-1.5
V48A	Smith Brothers	21.84	26	eP	P	05 30 18.7	-1.3
U46A	Springville	21.85	22	P	P	05 30 17.9	-2.1
Y53A	Monroe	21.88	35	P	P	05 30 18.3	-2.0
S41A	Jillico Farms	21.92	14	P	P	05 30 19.4	-1.4
T44A	Benton	22.03	19	P	P	05 30 20.4	-1.6
W50A	Signal Mountain	22.06	29	P	P	05 30 20.6	-1.8
W50A	Signal Mountain	22.06	29	eP	P	05 30 21.1	-1.2
R38A	Fenwick Farm	22.08	9	P	P	05 30 20.3	-2.2
Z55A	Blythe	22.23	38	P	P	05 30 22.1	-2.1
SDCO	Great Sand Dun	22.24	345	P	P	05 30 25.2	+0.6
SDCO	Great Sand Dun	22.24	345	eP	P	05 30 24.8	+0.3
V49A	McMininville	22.26	27	P	P	05 30 22.4	-2.1
U47A	Clarksville	22.26	24	P	P	05 30 22.5	-2.0
T45A	Paducah	22.28	21	P	P	05 30 22.8	-1.9
T45A	Paducah	22.28	21	eP	P	05 30 23.6	-1.0
X52A	Dahlonega	22.28	33	P	P	05 30 22.5	-2.3
W51A	Cleveland	22.29	30	P	P	05 30 22.6	-2.2
GTBY	Quantum Bay	22.29	77	eP	P	05 30 24.3	-0.7
S42A	Caledonia	22.33	16	P	P	05 30 22.9	-2.3
R39A	Fulton Ridge	22.34	17	P	P	05 30 22.8	-2.5
S43A	Chumby, Stover	22.35	11	P	P	05 30 23.5	-1.9
GLA	Glamis	22.36	321	P	P	05 30 27.8	+2.1
GLA	Glamis	22.36	321	eP	P	05 30 27.7	+2.1
Y54A	Tignall	22.38	36	P	P	05 30 23.3	-2.5
WUAZ	Wupatki	22.38	331	P	P	05 30 28.4	+2.5
WUAZ	Wupatki	22.38	331	eP	P	05 30 28.4	+2.5
CBKS	Cedar Bluff	22.41	357	P	P	05 30 24.6	-1.5
CBKS	Cedar Bluff	22.41	357	eP	P	05 30 26.5	+0.4
R40A	Maddies Statio	22.48	12	P	P	05 30 25.0	-1.8
R40A	Maddies Statio	22.48	12	eP	P	05 30 23.3	-1.5
CCM	Cathedral Cave	22.48	15	P	P	05 30 25.8	-1.1
CCM	Cathedral Cave	22.48	15	eP	P	05 30 26.0	-0.8
CCM	Cathedral Cave	22.48	15	eP	pmx	05 30 26.0	-0.8
X53A	Estanollee	22.52	34	P	P	05 30 25.2	-2.0
V56A	Pikeville	22.54	29	P	P	05 30 25.7	-1.8
T40A	Princeton	22.56	22	P	P	05 30 25.8	-1.9
S22A	4JR Ranch, Cre	22.60	342	P	P	05 30 29.3	+0.8
S22A	4JR Ranch, Cre	22.60	342	eP	P	05 30 29.8	+1.4
U48A	Cassie Pea, Po	22.62	25	P	P	05 30 26.1	-2.2
FVM	French Village	22.63	16	P	P	05 30 27.3	-1.1
FVM	French Village	22.63	16	eP	pmx	05 30 27.3	-1.1
CPCT	Cooper Cave	22.64	30	eP	P	05 30 27.1	-1.4
W52A	Murphy	22.65	32	P	P	05 30 26.9	-1.8
W52A	Murphy	22.65	32	eP	P	05 30 27.3	-1.4
MVCO	Mesa Verde	22.66	338	P	P	05 30 29.9	+1.0
MVCO	Mesa Verde	22.66	338	eP	P	05 30 30.0	+1.0
Y12C	Blythe	22.67	323	P	P	05 30 30.0	+1.1
Y12C	Blythe	22.67	323	eP	P	05 30 30.3	+1.4
R41A	Rosebud	22.68	14	P	P	05 30 27.0	-2.0
Q37A	Longview Farm	22.68	8	P	P	05 30 28.6	-0.4
S44A	Carbonate	22.70	19	P	P	05 30 27.1	-2.0
KSU1	Kansas State U	22.70	3	P	P	05 30 27.3	-1.9
KSU1	Kansas State U	22.70	3	eP	P	05 30 27.9	-1.3
SIUC	Southern Illin	22.73	19	P	P	05 30 29.3	-0.1
T47A	Sharon Grove	22.81	24	P	P	05 30 28.3	-1.9
T47A	Sharon Grove	22.81	24	eP	P	05 30 28.8	-1.5
R42A	Luebbering	22.81	15	P	P	05 30 27.7	-2.6
PDMC	Parker Dam, Lak	22.86	324	P	P	05 30 31.3	+0.5
Q38A	Cooks Store, C	22.89	9	P	P	05 30 28.9	-2.2
SWSC	Sam W. Stewart	22.89	319	P	P	05 30 32.9	+1.7
IKP	In-Ko-Pah, Jac	22.89	318	P	P	05 30 31.2	-0.1
KSCO	Kaye Sheddock	22.89	351	P	P	05 30 31.1	-0.1
KSCO	Kaye Sheddock	22.89	351	eP	P	05 30 31.6	+0.3
HODGE	Hodges	22.89	36	eP	P	05 30 30.3	-0.9
S45A	Carrie	22.90	20	P	P	05 30 29.4	-1.8
U49A	Red Boiling Sp	22.94	27	P	P	05 30 29.8	-1.9
V51A	Loudon	23.00	30	P	P	05 30 30.1	-2.3
V51A	Loudon	23.00	30	eP	P	05 30 30.8	-1.6
R43A	Red Bud	23.04	17	P	P	05 30 31.6	-1.1
Q39A	Willow Grove F	23.07	11	P	P	05 30 31.0	-2.1
BG3	Lake Jocassee	23.09	34	eP	P	05 30 32.0	-1.3
W53A	Cullowhee	23.10	33	P	P	05 30 31.5	-2.0
BC3	Big Chickawall	23.16	321	P	P	05 30 36.0	+1.9
TKL	Tuckaleechee C	23.17	31	eP	P	05 30 32.8	-1.3
TKL	Tuckaleechee C	23.17	31	eP	pmx	05 30 32.7	-1.4
TKL	Tuckaleechee C	23.17	31	eP	pmx	05 30 32.7	-1.4
TKL	Tuckaleechee C	23.17	31	eP	pmx	05 30 32.7	-1.4
T48A	Bowling Green	23.19	25	P	P	05 30 32.5	-1.8
Q40A	Laux Farm, Au	23.20	12	P	P	05 30 31.9	-2.4
S46A	Don Dixon Farm	23.20	22	P	P	05 30 32.3	-2.0

RGRS	Roger Stewart	23.21	41	eP	P	05 30 33.4	-1.1
MONP2	Monument Peak	23.24	318	P	P	05 30 36.0	+0.9
R44A	Wauville	23.26	19	P	P	05 30 33.8	-1.1
BAR	Barrett	23.27	318	eP	P	05 30 35.8	+0.6
U50A	Jamestown	23.27	28	P	P	05 30 33.2	-1.9
SLM	Saint Louis	23.29	16	eP	P	05 30 34.0	-1.2
SLM	Saint Louis	23.29	16	eP	pmx	05 30 34.0	-1.2
Q24A	Divide	23.31	346	P	P	05 30 36.3	+0.4
Q24A	Divide	23.31	346	eP	P	05 30 36.4	+0.6
IRM	Iron Mountain	23.32	323	P	P	05 30 37.7	+2.0
CSU	Charleston Sou	23.34	42	eP	P	05 30 36.1	+0.3
Q41A	Truxton	23.34	14	P	P	05 30 33.4	-2.3
NHSC	New Hope	23.35	41	P	P	05 30 35.4	-0.5
NHSC	New Hope	23.35	41	eP	P	05 30 35.2	-0.8
SJCC	San Jacinto, C	23.38	103	eP	P	05 30 35.2	-1.2
P37A	Lathrop	23.40	8	P	P	05 30 34.2	-2.1
V52A	Sevierville	23.40	31	P	P	05 30 34.5	-1.9
V52A	Sevierville	23.40	31	eP	P	05 30 35.1	-1.4
S47A	Hartford	23.43	23	P	P	05 30 34.1	-2.5
NEE2	Needles Airpor	23.46	324	P	P	05 30 37.1	+0.1
USIN	University of	23.47	21	eP	P	05 30 36.5	-0.5
Q42A	Golden East	23.47	15	P	P	05 30 35.1	-1.9
JQC	Jenkinsville	23.50	37	eP	P	05 30 35.9	-1.5
PV01	Paradox Valley	23.51	339	eP	P	05 30 39.3	+1.5
P39B	Salisbury	23.54	11	P	P	05 30 36.7	-1.0
T49A	Edmonton	23.54	26	P	P	05 30 36.0	-1.8
T49A	Edmonton	23.54	26	eP	P	05 30 36.2	-1.6
P38A	Dawn	23.55	9	P	P	05 30 36.5	-1.3
P38A	Dawn	23.55	9	eP	P	05 30 36.6	-1.3
R45A	Skyler, Fairir	23.55	20	P	P	05 30 36.5	-1.4
PAUL	Pauline	23.57	36	eP	P	05 30 37.2	-0.8
PV13	Radium Mtn., P	23.62	339	eP	P	05 30 40.0	+1.2
U51A	La Follette	23.63	30	P	P	05 30 36.8	-1.8
PV02	Paradox Valley	23.63	339	eP	P	05 30 40.1	+1.2
PV05	Paradox Valley	23.64	338	eP	P	05 30 40.0	+0.9
V53A	Saluda	23.67	33	P	P	05 30 37.8	-1.3
V53A	Saluda	23.67	33	eP	P	05 30 38.3	-0.8
109C	Camp Elliot, M	23.68	317	P	P	05 30 40.5	+1.4
CPE	Camp Elliot	23.68	317	eP	P	05 30 40.7	+1.5
PV03	Paradox Valley	23.71	339	eP	P	05 30 40.7	+1.0
P40A	Paris	23.72	12	P	P	05 30 37.2	-2.2
P40A	Paris	23.72	12	eP	P	05 30 37.5	-2.0
Q43A	New Douglas	23.72	17	P	P	05 30 37.1	-2.4
BELC	Belle Mtn, Jos	23.72	321	P	P	05 30 34.0	-5.8
PV18	Skein Mesa, Pa	23.73	339	eP	P	05 30 40.9	+1.1
XPFO	Pionon Flat	23.74	320	eP	P	05 30 34.7	-5.2
PFO	Pionon Flats O	23.74	320	eP	P	05 30 34.7	-5.2
PFO	Pionon Flats O	23.74	320	eP	P	05 30 34.7	-5.2
PFO	Pionon Flats O	23.74	320	eP	pmx	05 30 34.7	-5.2
R46A	Gibson Southern	23.74	21	P	P	05 30 37.9	-1.8
FRD	Ford Ranch, An	23.75	319	P	P	05 30 37.6	-2.4
PV12	Saucer Basin,	23.75	339	eP	P	05 30 41.5	+1.4
PV11	David Mesa, Pa	23.76	339	eP	P	05 30 41.2	+1.1
PV17	East Wray Mesa	23.77	339	eP	P	05 30 41.4	+1.1
T50A	Nancy	23.77	27	P	P	05 30 38.2	-1.9
PV16	Nyswonger Mesa	23.79	339	eP	P	05 30 41.6	+1.2
S48A	Wiedeman Farm,	23.80	25	P	P	05 30 38.5	-1.8
PV19	Morning Glory	23.81	339	eP	P	05 30 42.0	+1.4
PV20	West Nyswonger	23.83	339	eP	P	05 30 41.9	+1.0
PV14	Lion Creek, Pa	23.88	339	eP	P	05 30 42.4	+1.1
Q44A	Meyer Farm, Va	23.88	18	P	P	05 30 39.1	-2.0
PV10	Paradox Valley	23.89	339	eP	P	05 30 42.0	+0.5
PV22	Blue Mesa, Pa	23.95	339	eP	P	05 30 43.3	+1.4
PV23	Carpenter Ridge	23.95	339	eP	P	05 30 43.2	+1.2
U52A	The Hill	23.95	31	P	P	05 30 40.2	-1.5
LDFC	Landfair	23.97	324	eP	P	05 30 44.9	+2.9
SMCO	Snowmass	23.98	343	eP	P	05 30 43.5	+1.1
TZTN	Tazewell	23.98	30	P	P	05 30 40.9	-1.1
TZTN	Tazewell	23.98	30	eP	P	05 30 41.5	-0.6
O37A	Wolven Farm, M	23.99	8	P	P	05 30 40.9	-1.2
OLIL	Olney	24.01	20	eP	P	05 30 40.9	-1.4
PV09	Paradox Valley	24.03	339	eP	P	05 30 44.0	+1.2
PV21	Cone Mtn., Par	24.03	339	eP	P	05 30 44.1	+1.4
O38A	Gall	24.04	9	P	P	05 30 41.4	-1.1
GMRC	Granite Mounta	24.07	323	P	P	05 30 45.0	+1.9
P41A	Barry, Barry	24.07	14	P	P	05 30 40.9	-1.9
KMSC	Kings Mountain	24.07	36	P	P	05 30 41.5	-1.4
KMSC	Kings Mountain	24.07	36	eP	P	05 30 42.1	-0.8
T51A	Gray	24.13	29	P	P	05 30 42.3	-1.1
Q45A	Warren Harvey,	24.14	20	P	P	05 30 42.2	-1.3
P42A	Winchester	24.16	15	P	P	05 30 42.0	-1.6
P42A	Winchester	24.16	15	eP	P	05 30 42.4	-1.2
R47A	Wooly Knot Far	24.17	23	P	P	05 30 42.5	-1.2
MURC	Murrieta	24.20	319	P	P	05 30 43.0	-1.1
WCI	Wyandotte Cave	24.20	24	P	P	05 30 42.7	-1.3
WCI	Wyandotte Cave	24.20	24	eP	P	05 30 43.2	-0.9
WCI	Wyandotte Cave	24.20	24	eP	pmx	05 30 43.2	-0.9
WCI	Wyandotte Cave	24.20	24				

24d 5h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Q49A Aurora, P17A Butcher Ranch, and many others.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like VES Vestal, Righr, DUG Dugway, and many others.

1204

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like RYN Ryan, CBN Corbin Frederi, and many others.

G43A Wallace	30.15	15	eP	P	05 31 36.9 -0.5
E34A Wadena	30.18	4	P	P	05 31 36.7 -0.9
F40A Park Falls	30.25	11	P	P	05 31 37.6 -0.7
E35A Pequot Lakes	30.28	5	P	P	05 31 37.9 -0.7
F41A Three Lakes	30.28	13	P	P	05 31 37.5 -1.1
F41A Three Lakes	30.28	13	eP	P	05 31 37.9 -0.7
BEKR Beckworth	30.30	325	eP	P	05 31 41.4 +2.3
YHB Horse Butte	30.33	342	eP	P	05 31 40.4 +1.1
E36A McGregor	30.36	7	P	P	05 31 38.4 -0.9
HLID Halley	30.39	336	P	P	05 31 41.0 +1.3
HLID Halley	30.39	336	eP	P	05 31 41.1 +1.3
QLMT Earthquake Lak	30.47	341	eP	P	05 31 41.3 +0.8
E37A Wrenshall	30.51	8	P	P	05 31 39.7 -0.9
F42A Maple Grove Fa	30.52	14	P	P	05 31 39.1 -1.5
E39A Mellet	30.61	11	P	P	05 31 40.8 -0.7
COWI Conover	30.62	13	eP	P	05 31 41.1 -0.4
E38A The Farm, Brul	30.67	9	P	P	05 31 41.0 -1.0
E38A The Farm, Brul	30.67	9	eP	P	05 31 41.1 -1.0
SJG San Juan	30.71	82	eP	P	05 31 41.2 -1.5
SJG San Juan	30.71	82	eP	P	05 31 41.2 -1.5
E40A Wakelief	30.80	11	P	P	05 31 42.6 -0.6
F43A Flat Rock, Esc	30.82	15	P	P	05 31 42.2 -1.1
MFID Camas Ranch	30.83	335	eP	P	05 31 45.5 +1.9
D35A Remer	30.83	6	P	P	05 31 42.4 -1.0
GCMT Greycliff	30.86	344	eP	P	05 31 44.7 +0.9
MCMT McKenzie Canyo	30.93	340	eP	P	05 31 46.9 +2.3
LAO LASA Array	30.93	349	P	P	05 31 45.6 0.0
CBYP Canovas	30.99	82	eP	P	05 31 44.2 -1.0
E41A Kenton	31.00	13	P	P	05 31 43.8 -1.1
D36A Goodland	31.02	7	P	P	05 31 44.0 -1.1
D36A Goodland	31.02	7	eP	P	05 31 44.0 -1.1
D37A Cotton	31.09	8	P	P	05 31 44.7 -1.0
F45A CMU Biological	31.13	17	P	P	05 31 44.9 -1.1
F44A Big Bay de Noc	31.15	16	P	P	05 31 45.1 -1.1
E42A Champion	31.20	14	P	P	05 31 45.6 -1.0
BOZ Bozeman (W)	31.23	342	P	P	05 31 48.6 +1.6
BOZ Bozeman (W)	31.23	342	eP	P	05 31 48.7 +1.6
BOZ Bozeman (W)	31.23	342	eP	P	05 31 48.7 +1.6
LUPA Lehigh Univer	31.26	35	eP	P	05 31 46.9 -0.4
N59A State Game Lan	31.27	34	P	P	05 31 45.8 -1.6
MTP Monte Pirata	31.28	82	eP	P	05 31 46.7 -1.0
WVOR Wild Horse Val	31.30	330	eP	P	05 31 49.1 +1.4
WVOR Wild Horse Val	31.30	330	eP	P	05 31 49.1 +1.4
DLMT Dillon	31.32	340	eP	P	05 31 50.0 +2.1
C34A RKJ Ranch, Bem	31.33	4	P	P	05 31 46.6 -1.2
E43A Lone Tree Farm	31.37	15	P	P	05 31 47.2 -1.0
E43A Lone Tree Farm	31.37	15	eP	P	05 31 47.5 -0.6
C33A Trail	31.38	3	P	P	05 31 46.8 -1.4
O03D Paynes Creek	31.40	324	P	P	05 31 48.8 +0.2
MDND Maddock	31.42	358	P	P	05 31 48.7 +0.1
MDND Maddock	31.42	358	eP	P	05 31 49.0 +0.4
F46A Macinaw City C	31.43	18	P	P	05 31 47.9 -0.8
C35A Jirik Farms, MI	31.45	6	P	P	05 31 47.7 -1.2
MMNY Mt. Morris Dam	31.53	29	eP	P	05 31 48.6 -1.0
C36A Pine Crest Far	31.63	7	P	P	05 31 49.4 -1.0
D41A Chassel	31.66	13	P	P	05 31 50.1 -0.6
D41A Chassel	31.66	13	eP	P	05 31 50.1 -0.6
LRM Limekiln Ridge	31.68	341	eP	P	05 31 52.8 +1.6
C37A Embarrass	31.68	8	P	P	05 31 49.6 -1.3
MOD Modoc Plateau	31.72	328	eP	P	05 31 53.3 +1.8
BRNJ Basking Ridge	31.76	36	eP	P	05 31 51.5 -0.2
E35A Sawhill Land	31.80	9	P	P	05 31 50.4 -1.6
C48A Wooded Hills	31.84	17	P	P	05 31 51.7 -0.6
E44A Grand Marais A	31.88	16	P	P	05 31 51.2 -1.4
E44A Grand Marais A	31.88	16	eP	P	05 31 52.8 +0.2
AGMN Agassiz Nation	31.91	3	P	P	05 31 52.4 -0.5
AGMN Agassiz Nation	31.91	3	eP	P	05 31 52.4 -0.5
J08A Circle Bar Ran	31.93	332	eP	P	05 31 55.1 +1.8
EYMN Ely	31.99	9	P	P	05 31 52.5 -1.2
EYMN Ely	31.99	9	eP	P	05 31 52.9 -0.7
BINY Binghamton	32.07	32	P	P	05 31 53.5 -0.9
BINY Binghamton	32.07	32	eP	P	05 31 54.0 -0.4
B35A Bob, Littlefor	32.13	6	P	P	05 31 53.8 -1.1
B35A Bob, Littlefor	32.13	6	eP	P	05 31 53.7 -1.1
B34A Aery, Baudette	32.18	5	P	P	05 31 54.3 -1.0
HRY Holter Researc	32.30	342	eP	P	05 31 57.8 +1.3
PAL Palisades	32.35	36	P	P	05 31 56.7 -0.1
PAL Palisades	32.35	36	eP	P	05 31 56.7 -0.1
C40A Isle Royale Na	32.35	11	P	P	05 31 55.9 -0.9
C40A Isle Royale Na	32.35	11	eP	P	05 31 56.4 -0.4
N20D Trinity Center	32.36	324	P	P	05 31 57.8 +0.7
DGMT Dagmar	32.39	353	P	P	05 31 57.8 +0.7
DGMT Dagmar	32.39	353	eP	P	05 31 57.8 +0.7
M04C Macdoel	32.44	326	P	P	05 31 59.2 +1.4

A33A Warroad	32.58	4	P	P	05 31 58.1 -0.7
SADO Sadova	32.59	26	eP	P	05 31 57.5 -1.4
BMO Blue Mountains	32.62	335	eP	P	05 31 60.0 +0.7
BMO Blue Mountains	32.62	335	eP	P	05 32 00.0 +0.7
K05A Summer Lake	32.62	328	eP	P	05 32 01.5 +2.0
M02C Callahan	32.73	325	P	P	05 32 01.4 +1.2
YBH Yreka Blue Hor	32.88	325	P	P	05 32 00.7 -0.9
YBH Yreka Blue Hor	32.88	325	P	P	05 47 37.1
EGMT Eagleton	32.96	346	eP	P	05 32 03.1 +0.8
EGMT Eagleton	32.96	346	eP	P	05 32 03.3 +1.1
I07A Lzee	32.97	331	eP	P	05 32 03.8 +1.5
K04D Chiloquin, OR	32.99	327	P	P	05 32 03.8 +1.2
MSO Missoula	33.05	340	eP	P	05 32 04.0 +0.9
MSO Missoula	33.05	340	eP	P	05 32 04.1 +1.0
J05D Fort Rock, OR	33.20	329	P	P	05 32 05.5 +1.0
PINE Pine Mountain	33.43	330	eP	P	05 32 07.8 +1.3
F10A Beach Ranch, E	33.51	336	eP	P	05 32 08.0 +1.0
J04D Umpqua Nationa	33.61	328	P	P	05 32 09.3 +1.2
L02D Cave Junction,	33.66	325	P	P	05 32 09.1 +0.8
G08A Pilot Rock	33.67	333	eP	P	05 32 09.8 +1.3
ULM Lac du Bonnet	33.76	3	P	P	05 32 08.7 -1.2
ULM Lac du Bonnet	33.76	3	eP	P	05 46 41.5
ULM Lac du Bonnet	33.86	3	eP	P	05 32 09.2 -0.7
ULM Lac du Bonnet	33.86	3	eP	P	05 32 09.2 -0.7
JTMT Jette	33.97	341	eP	P	05 32 12.3 +1.3
I05D Terrebonne, OR	34.03	330	P	P	05 32 13.0 +1.4
QUAZ Belchertown	34.07	35	eP	P	05 32 12.9 +1.1
I04A Tendick Farm,	34.16	328	P	P	05 32 13.0 +0.3
NCB Newcomb	34.24	32	eP	P	05 32 15.5 +2.2
E09A Wood Farm, Sta	34.31	335	eP	P	05 32 14.5 +0.6
G06A Carlson Farm	34.37	332	eP	P	05 32 15.7 +1.2
L0NY Lake Ozonia	34.54	30	P	P	05 32 14.3 -1.6
L0NY Lake Ozonia	34.54	30	eP	P	05 32 15.5 -0.4
I03D Drain, OR	34.57	327	P	P	05 32 16.7 +0.5
HRV Adam Dzewonsk	34.66	36	P	P	05 32 15.8 -1.1
G05D Wamic, OR	34.69	331	P	P	05 32 18.4 +1.2
H04A Detroit Lake	34.69	329	eP	P	05 32 18.8 +1.6
WALA Waterton Lakes	35.02	342	eP	P	05 32 21.3 +1.2
D08A Wollman Farm	35.07	335	eP	P	05 32 20.9 +0.5
NNA Nantahala	35.25	142	LR	P	05 44 10.1
C09A Chrisman Ranch	35.42	337	eP	P	05 32 24.9 +1.5
G03D McMillinville, O	35.60	329	P	P	05 32 26.7 +1.7
LBNH Lisbon	35.62	32	P	P	05 32 24.8 -0.3
TRQ Robert Tremblant	35.74	29	eP	P	05 32 25.6 -0.7
LTJ Liberty	35.95	334	eP	P	05 32 29.6 +1.5
LON Longmire	36.05	332	eP	P	05 32 30.7 +1.7
LON Longmire	36.05	332	eP	P	05 32 30.7 +1.7
F04D Rainier, OR	36.11	330	P	P	05 32 31.2 +1.8
B08A Colvie Reser	36.28	336	eP	P	05 32 31.9 +1.0
D05A Enumclaw	36.47	333	eP	P	05 32 34.4 +2.0
C06D Leavenworth	36.56	334	eP	P	05 32 34.2 +0.9
E03A Lebam	36.71	330	eP	P	05 32 36.1 +1.6
B06A Marblemont	37.28	334	eP	P	05 32 40.5 +1.2
B05A Bryant	37.34	334	P	P	05 32 40.3 +0.5
NLWA Neilton Lookou	37.47	331	eP	P	05 32 43.3 +2.3
PKME Peaks-Kenny Pk	37.70	34	P	P	05 32 42.2 -0.7
A04D Lummi Island	37.95	334	P	P	05 32 46.1 +1.2
FFC Flin Flon	38.40	357	eP	P	05 32 48.7 0.0
FFC Flin Flon	38.40	357	eP	P	05 32 48.7 0.0
LLBL Lillock	39.08	336	eP	P	05 32 55.9 +1.3
PTGA Pitinga	41.14	111	P	P	05 33 13.9 -0.6
PTGA Pitinga	41.14	111	eP	P	05 33 14.4 -0.1
SAML Samuel	42.88	123	eP	P	05 33 24.6 -1.6
SAML Samuel	42.88	123	eP	P	05 33 24.6 -1.6
LPAZ La Paz	44.01	136	P	P	05 33 34.8 -1.2
LPAZ La Paz	44.01	136	eP	P	05 49 58.5
LPAZ La Paz	44.01	136	eP	P	05 33 35.6 -0.3
LPAZ La Paz	44.01	136	eP	P	05 33 36.1 +0.2
LPAZ La Paz	44.01	136	eP	P	05 33 35.6 -0.3
RPN Rapa Nui	44.54	194	LR	P	05 47 45.1
MMNC Minnye Minye	45.16	140	eP	P	05 33 44.7 -0.1
SCHO Schefferville	45.40	25	P	P	05 33 45.0 -0.9
SCHO Schefferville	45.40	25	eP	P	05 55 32.8
SCHO Schefferville	45.40	25	eP	P	05 33 45.5 -0.4
DIB Dawson Inlet,	45.47	332	eP	P	05 33 48.5 +2.0
PB11 IPOC Station P	45.60	141	eP	P	05 33 48.6 +0.5
YKA Yellowknife Ar	47.49	350	P	P	05 34 01.8 -0.4
YKA Yellowknife Ar	47.49	350	eP	P	05 54 38.7
YKBS Yellowknife Ar	47.49	350	eP	P	05 34 01.2 -1.0
YKW3 Yellowknife Ar	47.56	350	eP	P	05 34 02.4 -0.3
DLBC Dease Lake	48.13	338	eP	P	05 34 09.9 +2.6
TAOE Nuku Hiva Isla	48.42	242	eS	P	05 41 14.7 +3.6
TAOE Nuku Hiva Isla	48.42	242	eS	P	05 47 45.0
TAOE Nuku Hiva Isla	48.42	242	eT	P	06 25 30.7

G002 Mina Guanaco	49.85	145	eP	P	05 34 22.9 +1.8
WHY Whitehorse	51.45	338	eP	P	05 34 34.6 +2.0
RKT Rikitea	51.57	223	eS	S	05 42 23.7 +7.1
RKT Rikitea	51.57	223	eS	LR	05 50 17.2
RKT Rikitea	51.57	223	eT	T	06 31 27.7
RAGM Ragged Mountain					

24d 6h

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like SUMG Summit, BORG Borgarnes, DAG Danmarks Havn, etc.

2012 JUL

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like GERES GRESS Array B, TOA1 Torodi Ar, YSS Yuzh-Sakhalin, etc.

1206

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like KAWH Katmai, KABU Katmai Buttes, ANNE Aniakchak, etc.

24d 6h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDH Madha, MDH Ajan, ASUD AI Ashush, etc.

2012 JUL

Table with columns for station name, frequency, power, and other technical details. Includes stations like JLN comp-Z,1um,21.0s, ONI Oni, ZEI Tsey, etc.

1208

Table with columns for station name, frequency, power, and other technical details. Includes stations like IUG luzhnyay, IUG comp-Z,2.4nm,1.2s, GOLH comp-Z,255nm,14.1s, etc.

THRS	Thira Island	21.67 289	P	P	06 54 56.3 -0.8
THRS	Thira Island	21.67 289	P	P	06 54 56.3 -0.8
VORR	Voronezh	21.69 340	eP	Pmax	06 54 55.0 -2.1
VORR	comp=Z,500nm,1.2s	21.69 340	eP	Pmax	06 54 55.0 -2.1
TIRR	Tirgusor	21.71 312	iP	P	06 54 57.5 +0.1
TIRR	comp=Z,115nm,1.0s	21.71 312	iP	P	06 54 57.4 +0.1
TIRR	Tirgusor	21.71 312	iP	P	06 54 57.5 +0.1
KSH	Kashi	21.73 62	P	P	06 54 55.4 -2.4
KSH			pP	pP	06 54 59.3 -0.2
KSH			S	SnPn	06 55 18.8 +0.3
KSH			S	SnSn	06 58 47.0 -1.2
KSH			SS	Smax	06 59 21.6 -1.1
KSH	comp=Z,140nm,0.9s			LR	LR
KSH	comp=Z,2um,16.2s			LR	LR
FRU	Bishkek	21.77 53	eP	P	06 55 02.0 +3.9
FRU			e	e	06 55 09.0
FRU			e	e	06 55 17.0
FRU	comp=Z,100nm,1.3s	21.77 53	eP	Pmax	06 55 02.0 +3.9
FRU	Bishkek	21.77 53	eP	P	06 54 58.3 +0.1
FRU1	comp=Z,100nm,1.1s	21.77 53	eP	P	06 54 58.3 +0.1
FRU1	Bishkek	21.77 53	eP	P	06 54 58.3 +0.1
FRU1	comp=Z,37nm,1.1s	21.77 53	eP	P	06 54 58.3 +0.1
FRU1	Bishkek	21.77 53	eP	P	06 54 58.3 +0.1
TLCR		21.82 314	iP	P	06 54 58.7 +0.2
TLCR		21.82 314	iP	P	06 54 58.7 +0.2
PRD	Provadia	21.82 308	eP	P	06 55 03.0 +4.4
USP	Ospenovka	21.86 52	P	P	06 55 02.8 +3.7
CHMS	Chumysk	21.93 52	P	P	06 55 03.9 +4.1
CHMS	SNR=43				
KBK	Karagaybulak	21.93 53	P	P	06 55 05.1 +5.1
KBK	SNR=8.4				
KZA	Kyzart	21.93 55	P	P	06 55 04.7 +4.5
KZA	SNR=20				
ALN	Alexandroupoli	21.98 301	eP	P	06 54 57.3 -3.0
ALN	comp=Z,47nm,0.8s	21.98 301	eP	P	06 54 57.3 -3.0
ALN	Alexandroupoli	21.98 301	eP	P	06 54 55.6 -4.7
ALN	Alexandroupoli	21.98 301	eP	Pmax	06 54 57.3 -3.0
ALN	ALN			Pmax	
ALN	comp=Z,47nm,0.8s	21.98 301	eP	P	06 54 57.3 -3.0
JMB	Yambol	22.10 306	eP	P	06 55 13.0 +1.1
HARR	Harsova	22.12 312	iP	P	06 55 02.7 +0.9
HARR	Harsova	22.12 312	iP	P	06 55 02.7 +0.9
CFR	Carcaliu	22.23 314	iP	P	06 55 03.2 +0.3
CFR	Carcaliu	22.23 314	iP	P	06 55 03.2 +0.3
BTLS	Baital	22.26 47	eP	P	06 55 04.6 +0.2
BTLS	comp=Z,16nm,1.0s			LR	LR
SMLA	Simla	22.37 85	eP	IAmb	06 55 04.6 0.0
SMLA	comp=Z,223nm,0.8s			IAmb	06 55 11.2
RDO	Rodhopi	22.41 302	P	P	06 55 05.7 +0.7
RDO	Rodhopi	22.41 302	P	P	06 55 05.7 +0.7
RDO	Rodhopi	22.41 302	P	P	06 55 05.7 +0.7
TKM2	Tokmak 2	22.47 53	P	P	06 55 09.1 +3.2
TKM2	SNR=62				
TKM2	Tokmak 2	22.47 53	P	P	06 55 07.2 +1.4
TKM2	comp=Z,96nm,1.2s	22.47 53	P	Pmax	06 55 07.2 +1.4
VAM	Vamos	22.55 287	P	P	06 55 07.6 +1.1
VAM	Vamos	22.55 287	P	P	06 55 07.6 +1.1
VAM	Vamos	22.55 287	P	P	06 55 07.6 +1.1
VAM	Vamos	22.55 287	P	P	06 55 07.6 +1.1
LPSR	Galich'ya Gora	22.60 341	eP	Smax	06 55 06.1 +0.7
LPSR	comp=Z,100nm,0.8s			Smax	06 59 11.2 -3.4
LPSR	comp=N,130nm,1.4s			Smax	
LPSR	Galich'ya Gora	22.60 341	eP	P	06 55 06.1 +0.7
LPSR	comp=N,100nm,0.8s			S	
LPSR	Galich'ya Gora	22.60 341	eP	P	06 55 06.1 +0.7
GVDS	Gavdos	22.63 285	P	P	06 55 08.7 +1.4
GVDS	Gavdos	22.63 285	P	P	06 55 08.7 +1.4
KDZ	Kurdzhali	22.65 303	eP	P	06 55 09.0 +1.5
ULH	Uljoh	22.68 55	P	P	06 55 10.0 +1.9
DIML	Dimitrovgrad	22.69 304	eP	P	06 55 13.0 +5.1
KIS	Kishinev	22.78 318	iP	P	06 55 09.0 +0.2
KIS	Kishinev	22.78 318	iP	sP	06 55 29.0 +1.8
KIS	Kishinev	22.78 318	iP	ePP	06 55 40.6 +0.7
KIS	Kishinev	22.78 318	iP	PPP	06 55 11.0
KIS	Kishinev	22.78 318	iP	S	06 59 16.0 -2.1
KIS	Kishinev	22.78 318	iP	eSS	07 00 07.0 +1.9
KIS	Kishinev	22.78 318	iP	SnSn	07 03 52.0
KIS	Kishinev	22.78 318	iP	L	06 55 09.0 +0.2
KIS	Kishinev	22.78 318	iP	e	06 55 16.0
KIS	Kishinev	22.78 318	iP	ePPP	06 55 51.0
KIS	Kishinev	22.78 318	iP	SS	06 59 16.0 -2.1
KIS	Kishinev	22.78 318	iP	eSS	07 00 07.0 +1.9
KIS	Kishinev	22.78 318	iP	SnSn	06 55 09.0 +0.2
KIS	Kishinev	22.78 318	iP	S	06 55 09.0 +0.2
LEOM	Leova	22.82 317	iP	P	06 55 10.9 +1.6
LEOM	Leova	22.82 317	iP	P	06 55 10.9 +1.6
SZH	Strazhnica	22.84 307	eP	P	06 55 10.0 +0.6
NDI	New Delhi	22.90 91	eP	P	06 55 08.5 -1.7
RZM	Rozhovo	23.15 303	eP	P	06 55 12.0 +2.0
AOS	Alonnisos	23.19 296	P	P	06 55 13.0 -0.2
AOS	Alonnisos	23.19 296	P	P	06 55 13.0 -0.2
AOS	Alonnisos	23.19 296	P	P	06 55 13.0 -0.2
ISR	Istria	23.20 312	iP	P	06 55 14.9 +1.7
ISR	Istria	23.20 312	iP	P	06 55 14.9 +1.7
DDI	Deltra Dun	23.26 96	eP	P	06 55 16.4 +0.4
PLD	Plovdiv	23.30 304	eP	P	06 55 15.0 +0.8
KIU	Kurty	23.34 52	iP	P	06 55 16.1 +1.5
KIU	comp=N,26nm,0.8s			S	06 59 31.0 +3.2
VRI	Vrincioiaia	23.43 314	iP	P	06 55 16.7 +1.2
VRI	Vrincioiaia	23.43 314	iP	P	06 55 16.7 +1.2
DID	Didima	23.46 292	P	P	06 55 14.8 -1.1
DID	Didima	23.46 292	P	P	06 55 14.8 -1.1
DID	Didima	23.46 292	P	P	06 55 14.8 -1.1
PLOR	Plostinia	23.47 314	iP	P	06 55 16.4 +0.4
AAA	Alma-Ata	23.48 54	eP	Pmax	06 55 23.2 +7.1
AAA	comp=Z,300nm,3.4s			Pmax	
AAA	comp=Z,400nm,8.0s			MLR	MLR
MDOK	Medeo	23.55 54	iP	P	06 55 18.3 +1.4
MDOK	comp=Z,236nm,0.9s			S	06 59 34.5 +3.0
MDOK	comp=Z,294nm,10.7s			LR	LR
IAS	Iasi	23.61 317	iP	P	06 55 17.9 +0.7
IAS	Iasi	23.61 317	iP	P	06 55 17.9 +0.7
VLI	Veliai	23.63 290	P	P	06 55 15.6 -2.0
VLI	Veliai	23.63 290	P	P	06 55 15.6 -2.0
VLI	Veliai	23.63 290	P	P	06 55 15.6 -2.0
SORM	Soroca	23.69 320	iP	P	06 55 17.2 -0.8
SORM	Soroca	23.69 320	iP	P	06 55 17.2 -0.8
NEO	Neokhori	23.72 296	P	P	06 55 20.3 +1.8
NEO	Neokhori	23.72 296	P	P	06 55 20.3 +1.8
NEO	Neokhori	23.72 296	P	P	06 55 20.3 +1.8
MLR	Muntele Rosu	23.74 312	iP	P	06 55 21.1 +2.3
MLR	comp=Z,49nm,0.7s,baz=99,slow=5.9,SNR=22			P	06 55 20.9 +2.2
MLR	Muntele Rosu	23.74 312	iP	P	06 55 20.8 +2.0
MLR	Muntele Rosu	23.74 312	iP	P	06 55 20.8 +2.0
MLR	comp=Z,78nm,0.8s			Pmax	
MLR	Muntele Rosu	23.74 312	iP	P	06 55 20.8 +2.0
MLR	Muntele Rosu	23.74 312	iP	P	06 55 20.8 +2.0
TESR	Tescani	23.79 315	iP	P	06 55 19.4 +0.3

TESR	Tescani	23.79 315	iP	P	06 55 19.4 +0.3
PGB	Manugoryishte	23.81 304	eP	P	06 55 20.0 +0.6
MMB	Musumiste	23.85 202	eP	P	06 55 21.0 +1.3
AXAR	Agios Charalaim	24.07 295	P	P	06 55 24.0 +2.2
AXAR	Agios Charalaim	24.07 295	P	P	06 55 24.0 +2.2
AXAR	Agios Charalaim	24.07 295	P	P	06 55 24.0 +2.2
VLX	Vlachokerasia	24.13 291	P	P	06 55 20.8 -1.6
VLX	Vlachokerasia	24.13 291	P	P	06 55 20.8 -1.6
VLX	Vlachokerasia	24.13 291	P	P	06 55 20.8 -1.6
GUR	Goura	24.21 293	P	P	06 55 23.0 -0.2
GUR	Goura	24.21 293	P	P	06 55 23.0 -0.2
GUR	Goura	24.21 293	P	P	06 55 23.0 -0.2
PRZ	Przheval'sk	24.28 56	eP	P	06 55 24.6 +0.7
PRZ	Przheval'sk	24.28 56	eP	Pmax	06 55 24.6 +0.7
PRZ	Przheval'sk	24.28 56	eP	Pmax	06 55 24.6 +0.7
PRZ	comp=Z,118nm,0.9s			Pmax	
PRZ	Przheval'sk	24.28 56	eP	Pmax	06 55 24.6 +0.7
PRZ	comp=Z,118nm,0.9s			Pmax	
VOIR	Voiron	24.29 312	iP	P	06 55 24.9 +1.1
VOIR	Voiron	24.29 312	iP	P	06 55 24.9 +1.1
DOPR	Dopca	24.30 313	iP	P	06 55 24.7 +0.8
DOPR	Dopca	24.30 313	iP	P	06 55 24.7 +0.8
BIZ	Bicaz	24.33 316	iP	P	06 55 24.9 +0.8
BIZ	Bicaz	24.33 316	iP	P	06 55 24.9 +0.8
AGG	Agios Georgios	24.36 295	eP	P	06 55 24.6 +0.1
AGG	Agios Georgios	24.36 295	eP	P	06 55 24.6 +0.1
AGG	Agios Georgios	24.36 295	eP	P	06 55 24.6 +0.1
AGG	comp=Z,393nm,1.4s			Pmax	
AGG	Agios Georgios	24.36 295	eP	Pmax	06 55 24.6 +0.1
AGG	Agios Georgios	24.36 295	eP	Pmax	06 55 24.6 +0.1
MPEP	Maljo Peshtene	24.37 306	eP	P	06 55 26.0 +1.5
KLK	Kalavryta, Ach	24.37 293	P	P	06 55 24.3 -0.4
KLK	Kalavryta, Ach	24.37 293	P	P	06 55 24.3 -0.4
KLK	Kalavryta, Ach	24.37 293	P	P	06 55 24.3 -0.4
BRZS	Berezinski	24.37 305	eP	P	06 55 25.2 +0.6
BRZS	comp=Z,29nm,1.2s			eS	
BRZS	Krupnik	24.39 302	eP	S	06 59 47.0 +2.6
KKB	Litokhoron	24.42 298	eP	P	06 55 25.3 +0.3
LIT	Litokhoron	24.42 298	eP	P	06 55 25.3 +0.3
LIT	Litokhoron	24.42 298	eP	P	06 55 25.3 +0.3
LIT	Litokhoron	24.42 298	eP	Pmax	06 55 25.3 +0.3
LIT	comp=Z,40nm,0.7s			Pmax	
LIT	Litokhoron	24.42 298	eP	Pmax	06 55 25.3 +0.3
LIT	Litokhoron	24.42 298	eP	P	06 55 25.1 0.0
KALE	Kalithia	24.42 294	P	P	06 55 25.0 0.0
KALE	Kalithia	24.42 294	P	P	06 55 25.0 0.0
KALE	Kalithia	24.42 294	P	P	06 55 25.0 0.0
SATY	Saty	24.46 55	eP	P	06 55 26.9 +1.4
SATY	comp=Z,41nm,0.9s			eS	
SATY	RASCA	24.47 317	iP	S	06 59 49.1 +3.2
PRAR	Prariz	24.47 294	P	P	06 55 25.5 +0.1
PRAR	Prariz	24.47 294	P	P	06 55 25.5 +0.1
TRIZ	Trizonia	24.47 294	P	P	06 55 26.1 +0.7
TRIZ	Trizonia	24.47 294	P	P	06 55 26.1 +0.7
ITM	Ithomi	24.47 291	eP	P	06 55 25.4 0.0
ITM	Ithomi	24.47 291	eP	P	06 55 25.4 0.0
ITM	Ithomi	24.47 291	eP	P	06 55 25.4 0.0
ITM	Ithomi	24.47 291	eP	P	06 55 25.1 -0.4
ITM	Ithomi	24.47 291	eP	P	06 55 25.5 0.0
ITM	Ithomi	24.47 291	eP	P	06 55 25.4 -0.3
SERG	Sergoula	24.49 294	P	P	06 55 25.4 -0.3
SERG	Sergoula	24.49 294	P	P	06 55 25.4 -0.3
SERG	Sergoula	24.49 294	P	P	06 55 25.4 -0.3
VTS	Vitoshia	24.50 304	eP	P	06 55 26.1 +0.2
VTS	Vitoshia	24.50 304	eP	P	06 55 26.1 +0.2
VTS	Vitoshia	24.50 304	eP	P	06 55 26.1 +0.2
VTS	comp=Z,31nm,1.0s			Pmax	
VTS	Vitoshia	24.50 304	eP	Pmax	06 55 26.1 +0.2
VTS	Vitoshia	24.50 304	eP	P	06 55 26.1 +0.2
VTS	Vitoshia	24.50 304	eP	P	06 55 26.1 +0.2
POO	Poona	24.50 117	eP	IAmb	06 55 25

24d 6h

Table with columns: DAG, Danmarks Havn, 54.69 345, i P, P, 06 59 33.9 -1.1, etc. Lists various stations and their coordinates.

2012 JUL

Table with columns: SCHQ, Schefferville, 78.61 329, eP, P, 07 02 07.1 -1.0, etc. Lists various stations and their coordinates.

1212

Table with columns: PDGK, 1.4nm,0.3s, 2.04 12, P, 06 51 33.7 +1.2, etc. Lists various stations and their coordinates.

VIE 24 06:53:09.0, 3.49°10'N-11°32'E, h0km, mb2.0/2, ml2.3/9, Error ellipse: s-maj=2.5km s-min=1.7km az=91.0 36 km NNW of Altmuehler Suspected Mining explosion, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists various stations and their coordinates.

ISCJB 24 06:56:33.9, 0.2, 31°67'N-0°02:50:95E, h10km, mb4.5/70, Error ellipse: s-maj=3.4km s-min=2.7km az=29.8

TEH 24 06:56:33.8, 31°82'N-51°03'E, h10km, ML4.2, IDC 24 06:56:34.0, 0.7, 31°77'N-50°86'E, h0km, mb4.3/20, mb1.4/327, mb1mx4.2/63, mbtmp4.3/27, ML4.0/7, MS3.8/1, Ms1.3/8.1, ms1mx2.9/56, Error ellipse: s-maj=16.4km s-min=12.5km az=161.0

NEIC 24 06:56:35.0, 0.3, 31°75'N-50°93'E, h10km, mb4.7/27, ML4.1(THR), MN4.2(TEH), Error ellipse: s-maj=6.4km s-min=4.1km az=181.0

BUI 24 06:56:35.1, 31°80'N-50°90'E, h10km, mb4.5/23, mb4.9/15, Ms4.6/9, Ms7.4/35

THR 24 06:56:35.8, 0.3, 31°75'N-51°00'E, h17km, 2km, ML4.1, DSN 24 06:56:35.8, 0.6, 31°70'N-50°82'E, h15km, mb4.9/1, ML4.0/3, Error ellipse: s-maj=11.2km s-min=5.9km az=44.0

CSEM 24 06:56:35.8, 0.1, 31°71'N-50°85'E, h10km, mb4.6/47, Error ellipse: s-maj=4.4km s-min=3.3km az=35.0

MOS 24 06:56:38.7, 1.6, 31°73'N-50°91'E, h47km, mb4.7/36, Error ellipse: s-maj=7.3km s-min=4.9km az=115.8

ISC 24 06:56:35.3, 0.7, 31°79'N-0°03:50.97E, h0km, mb4.5/4km, n322, r181/345, mb4.5/70, 16C-10D, Northern and central Iran

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists various stations and their coordinates.

ISAD	comp=E,15um,0.4s	e		06 58 03.5	IGLO	comp=E,8um,0.5s	e		06 58 32.4	MLR	Muntele Rosu	23.73 312	P	P	07 01 50.7 +2.9		
ISAD	comp=N,19um,0.4s	e			IGLO	comp=Z,2um,0.3s	e		06 58 35.6	MLR	Muntele Rosu	23.73 312	P	P	07 01 50.1 +2.3		
SHI	Sadrabad	2.32 86	ePn	Pb	06 57 16.6 +0.8	SHME	Shamm	7.30 140	P	Pn	06 58 22.8 +0.7	MLR	Muntele Rosu	23.73 312	P	P	07 01 49.0 +1.2
SHI	Shiraz	2.52 148	ePn	Pn	06 58 17.4 +0.8	BANOM	Banah	7.48 140	P	Pn	06 58 25.5 +0.9	MLR	Muntele Rosu	23.73 312	ePn	Sn	07 06 31.4 +6.9
SHI	Shiraz	2.52 148	ePn	Pn	06 57 17.4 +0.8	BANOM	Banah	7.48 140	P	Pn	06 58 25.5 +0.9	MLR	Muntele Rosu	23.73 312	eP	Pmax	07 01 49.0 +1.2
IPAR	Pars	2.64 137	ePn	Pb	06 57 22.8 -0.1	MSFE	Esma-Masafi	7.87 143	P	Pn	06 58 29.2 -0.7	MLR	Muntele Rosu	23.73 312	ePn	Sn	07 06 31.4 +6.9
IPAR	comp=Z,7um,0.5s	e			06 58 16.9	MSFE	Esma-Masafi	7.87 143	ePn	Pn	06 58 29.2 -0.7	MLR	Muntele Rosu	23.73 312	eP	P	07 01 49.0 +1.2
IPAR	comp=E,7um,0.5s	e			06 58 34.6	MSFE	Esma-Masafi	7.87 143	ePn	Pn	06 58 29.3 -0.6	MLR	Muntele Rosu	23.73 312	ePn	Sn	07 06 31.4 +6.9
IPAR	comp=N,14um,0.5s	e			06 58 36.5	MSFE	Nazwa, Dubai	7.94 147	P	Pn	06 58 29.3 -0.6	MLR	Muntele Rosu	23.73 312	ePn	Sn	07 01 49.8 +1.7
ANAR	Anarak	2.72 58	ePn	Pb	06 57 23.5 -0.7	MSFE	Nazwa, Dubai	7.94 147	P	Pn	06 58 31.6 +0.8	VOIR	Dopca	24.32 312	P	P	07 01 54.8 +1.9
ANAR	ANAR	2.72 58	ePn	Pb	06 58 12.7	MSFE	Madha	7.99 143	P	Pn	06 58 30.9 -0.6	VOIR	Biz	24.32 312	P	P	07 01 54.2 +1.1
ANAR	ANAR	2.72 58	ePn	Pb	06 57 23.5 -0.7	MDH	Madha	7.99 143	P	Pn	06 58 30.9 -0.6	AGG	Agios Georgios	24.36 295	eP	P	07 01 53.8 +0.1
ASAO	Ashtian	2.86 344	ePn	Pn	06 57 23.7 +2.4	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AGG	Agios Georgios	24.36 295	eP	Pmax	07 01 53.8 +0.1
ASAO	Ashtian	2.86 344	ePn	Pn	06 57 23.7 +2.4	ASUD	AI Ashush, Dub	8.11 151	ePn	Pn	06 58 34.7 +1.5	AGG	Agios Georgios	24.36 295	eP	Pmax	07 01 53.8 +0.1
ASAO	Ashtian	2.86 344	ePn	Pn	06 57 23.7 +2.4	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AGG	Agios Georgios	24.36 295	eP	Pmax	07 01 53.8 +0.1
ICHK	Chekchek	2.96 80	ePn	Pn	06 57 25.0 +2.4	ASUD	AI Ashush, Dub	8.11 151	ePn	Pn	06 58 34.7 +1.5	ARR	Arges	24.52 311	P	P	07 01 55.8 +0.8
ICHK	ICHK	2.96 80	ePn	Pn	06 58 10.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 56.7 -0.9
ICHK	comp=E,5um,0.3s	e			06 58 26.4	ASUD	AI Ashush, Dub	8.11 151	ePn	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
ICHK	comp=Z,6um,0.3s	e			06 58 34.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
ICHK	comp=N,5um,0.3s	e			06 57 25.0 +2.4	ASUD	AI Ashush, Dub	8.11 151	ePn	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
ISRV	Sarvestan	3.03 142	ePn	Pn	06 57 26.5 +2.8	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
ISRV	HSAM	3.13 321	ePn	Pn	06 57 26.5 +1.6	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
ISRV	HSAM	3.13 321	ePn	Pn	06 58 21.6	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
ISRV	HSAM	3.13 321	ePn	Pn	06 58 55.6	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
ISRV	HSAM	3.13 321	ePn	Pn	06 57 26.6 +1.6	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	Mehriz	3.14 96	ePn	Pb	06 57 28.4 -3.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 31.1	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.5	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 28.4 -3.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 57 26.3 +1.3	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 30.9	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 35.0	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0 +0.4
IMEH	IMEH	3.14 96	ePn	Pb	06 58 41.2	ASUD	AI Ashush, Dub	8.11 151	P	Pn	06 58 34.2 +1.0	AKASG	Malin Array Be	24.82 326	iP	Pmax	07 01 58.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GEA0 GERESS Array S, GEC2 GERESS Array S, GEC2 GERESS Array S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NJ2, DBIC Dimbokro, KSAR Wonju Array Be, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHBL Chebua, IDC 24 08:11:50.3, etc.

CSEM 24 08:45:40.0.1.37:16N-27.88E, h1km, ML2.5, Error ellipse: s-maj=2.3km s-min=2.1km az=38.0, Suspected Mining explosion.

ISC 24 08:45:40.4.4.37:17N-27.88E, h5km, ML2.5/6, Suspected Mining explosion.

ISC 24 08:45:38.5.0.9.37:05N.0.04:27.89E.0.02, h0km, n29, #0570/35, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like MSLB Milas, YER Yerkesik, BDRM Kayabasi, etc.

ISC 24 08:52:52.9.1.8.1:08S-127.73E, h0km, mb3.5/3, mb1 3.5/4, mb1mx3.4/6, mbtmp3.4/4, ML3.4/1, Error ellipse: s-maj=160.9km s-min=22.2km az=67.0

ISC 24 08:52:56.0.0.8.1:01S.0.05:127.76E.0.08, h31km, mb3.5/3, Error ellipse: s-maj=11.3km s-min=6.5km az=166.1

DJA 24 08:52:55.9.0.4.1:12S.2:12.9E, h10km, M3.47, MLV3.4/7, ISC 24 08:52:57.1.1.1.1.09S.0.05:127.70E.0.09, h31km, n9, #089/12, mb3.6/3, Malahera

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like LBMI Labuha, SANI Sanana, NLAI Namlea, etc.

ISC 24 09:06:43.2.4.4.1:64N-89.20E, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.4/6, mbtmp3.4/4, ML3.6/1, MS3.1/2, Ms1 3.1/2, ms1mx3.5/6, ms1tmp3.5/6, s-maj=94.5km s-min=14.0km, North Indian Ocean

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like PALK Pallekele, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

KRAR 24 09:22:50.7.0.2.53:59N-87.88E, M2.1, Industrial explosion (after The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

NNC 24 09:22:50.2.5.1.53:41N-88.13E, h5km, mb3.7km, mpv3.3, 9C-1D, Error ellipse: s-maj=36.8km s-min=17.7km az=81.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like ZAAO Zalesovo Array, KURK Kurchatov, KURRB Kurchatov Arra, etc.

ISC 24 09:26:15.6.2.4.16:97S-174.89W, h182km, 36km, mb3.9/4, mb1 4.0/5, mb1mx3.4/3, mbtmp4.4/5, Error ellipse: s-maj=45.0km s-min=28.5km az=122.0, Tonga Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like AFI Afiamalu, WRA Urewera, STKA Stephens Creek, etc.

Table with columns: WRA, PcP, PcP, 09 36 01.9 -0.3, ASAR Alice Springs, 48.28 253 P, 09 34 39.0 +0.3, ASAR 0.4nm, 0.7s, baz=87, slow=8.6, SNR=128, PcP, 09 36 02.7 -0.1

ISC 24 09:37:52.2.3.0.5:01S-133.51E, h0km, mb3.4/1, mb1 3.6/3, mb1mx3.4/2, mbtmp3.4/3, ML3.4/2, Error ellipse: s-maj=141.6km s-min=14.8km az=82.0, Aru Islands region

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

ISC 24 09:40:16.6.0.8.51:41N-0.04:16.14E.0.04, h0km, Error ellipse: s-maj=5.8km s-min=3.1km az=19.0

CSEM 24 09:40:17.0.5.51:43N-16:11E, h2km, ML3.2/7, Mw2.5, Error ellipse: s-maj=7.7km s-min=4.4km az=1.0

PRU 24 09:40:18.9.1.51:42N-16:12E, h0km, WARR 24 09:40:23.1.51:01N-15:83E, h1km, Mw2.5

ISC 24 09:40:17.1.1.51:45N.0.05:16.13E.0.03, h0km, n36, #065/63, Poland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like KSP Ksiaz, DPC Dobruska-Polom, PVCC Panska Ves, etc.

ISC 24 09:53:11.2.1.9.7:85S-124.57E, h0km, mb4.2/1, mb1 3.7/3, mb1mx3.3/5, mbtmp3.6/3, ML2.9/2, Error ellipse: s-maj=160.4km s-min=28.2km az=60.0, Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like WRA Warramunga Arr, ASAR Alice Springs, ZALV Zalesovo Beam, etc.

ISC 24 09:56:11.6.3.6.5:64S-150.59E, h0km, mb3.4/2, s-m1 3.8/2, mb1mx3.3/4, mbtmp3.5/2, Error ellipse: s-maj=139.3km s-min=47.6km az=116.0, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 24 10:00:00.5.0.6.29:33S-178:41W, h140km, 9km, mb3.2/2, mb1 3.5/3, mb1mx3.1/39, mbtmp3.8/3, Error ellipse: s-maj=33.8km s-min=23.7km az=116.0, Kermadec Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like RAO Raoul Island, WRA Warramunga Arr, etc.

Table with columns: URZ Urewera, 9.65 202 P, 10 02 14.4 -1.4, URZ 2.7nm, 0.3s, baz=219, slow=22, SNR=13, S, Sn, 10 04 02.7 +0.2

ISC 24 10:02:46.6:605.0, 51:21N-114:06E, h0km, Error ellipse: s-maj=217.3km s-min=132.1km az=56.0, East of Lake Baykal

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like I34MN SONGINO INFRAS, I45RU UCESSURIK INFR, I30JP ISUMI INFRASION, etc.

NIED 24 10:28:00.45:80N-151:60E, h17km, Mw4.0, Best double couple: M1, 020000-1015, NP1=246.00000, 863.00000, lambda=175.00000, NP2=154.00000, 886.00000, lambda=27.00000

ISC 24 10:28:03.0.3.0.4.45:41N.0.05:151:74E.0.05, h30km, mb4.0/29, MS3.5/15, Error ellipse: s-maj=8.1km s-min=3.0km az=148.2

JMA 24 10:28:04.0.9.45:81N-151:60E, h30km, M4.7, MOS 24 10:28:04.9.1.0.45:45N.0.05:151:76E, h42km, mb4.5/5, Error ellipse: s-maj=8.7km s-min=7.2km az=135.3

SKHL 24 10:28:05.5.0.1.45:30N-151:84E, h54km, 6km, mb4.2/8, NEIC 24 10:28:06.1.0.6.45:46N.151:63E, h35km, 5km, mb5.0/3, Error ellipse: s-maj=8.9km s-min=4.4km az=142.0

ISC 24 10:28:08.3.2.7.45:56N-151:54E, h52km, 24km, mb3.5/17, mb1 3.7/2, mb1mx3.6/6, mbtmp3.8/2, ML3.8/2, MS3.3/2, Ms1 3.3/2, ms1mx3.1/63, Error ellipse: s-maj=19.7km s-min=13.3km az=156.0

ISC 24 10:28:05.3.0.6.45:34N.0.07:151:78E.0.06, h30km, n135, #130/137, mb4.0/29, MS3.6/15, 4C-3D, Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like KUR Kuril'sk, KUR 72nm, 0.3s, KUR 37nm, 0.3s, etc.

ISC 24 09:53:11.2.1.9.7:85S-124.57E, h0km, mb4.2/1, mb1 3.7/3, mb1mx3.3/5, mbtmp3.6/3, ML2.9/2, Error ellipse: s-maj=160.4km s-min=28.2km az=60.0, Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like WRA Warramunga Arr, ASAR Alice Springs, ZALV Zalesovo Beam, etc.

ISC 24 09:56:11.6.3.6.5:64S-150.59E, h0km, mb3.4/2, s-m1 3.8/2, mb1mx3.3/4, mbtmp3.5/2, Error ellipse: s-maj=139.3km s-min=47.6km az=116.0, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

24d 11h

Table of astronomical observations for 24d 11h, listing stations like GRPR, GLVR, NEMZ, JAR, etc., with columns for station name, coordinates, and observation details.

2012 JUL

Main table of astronomical observations for 2012 JUL, listing stations like LZH Lanzhou, ILAR Eielson Array, etc., with columns for station name, coordinates, and observation details.

1216

Table of astronomical observations for 1216, listing stations like ALFC Paphos, LEF Lefka, etc., with columns for station name, coordinates, and observation details.

24d 13h

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like CM31 Chiang Mai Arr, SVW2 Sparrevoeh, MK01 Makanchi Array, etc.

IDC 24 12:58:28.7-1.1, 5.6SN:128.54E, h0km, mb3.97, mb1 4.0/8, mb1mx3.7/53, mbtmp4.0/8, ML4.5/1, MS2.6/1, Ms1 2.6/1, ms1mx2.2/49, Error ellipse: s-maj=67.9km s-min=15.9km az=66.0

MAN 24 12:58:38.4, 4.93N:126.84E, h27km, mb5.2, ML4.2, MS4.3

ISC 24 12:58:35.8-2.5, 4.80N:010.126.9E:0.1, h26km, 1.7km, n15, c194/19, mb4.0/7, 1C-1D, Talaud Islands

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like DDMP Don Marcelino, MATI Mati, General Santos, DAV Davao City (W), etc.

GEN 24 13:10:04.7, 44.46N:6.95E, h5km, ML2.7

ROM 24 13:10:04.6:0.2, 44.469N:0.008:7.01E:0.01, h10km, ML2.7/12

ISCJB 24 13:10:04.1:0.2, 44.48N:0.01:6.95E:0.02, h12km, 2km, Error ellipse: s-maj=2.7km s-min=1.9km az=154.9

CSEM 24 13:10:04.4:0.1, 44.49N:6.98E, h5km, ML3.1, 2.6m, Error ellipse: s-maj=2.4km s-min=1.6km az=65.0

LDG 24 13:10:05.3:0.1, 44.46N:7.01E, h2km, Md3.3/2, Mi3.2/28, Error ellipse: s-maj=1.5km s-min=1.1km az=65.0

STR 24 13:10:05.1:0.3, 44.44N:7.01E, h5km, Mi3.0/11, MLv3.0/11

ISC 24 13:10:04.5:0.8, 44.47N:0.01:6.99E:0.02, h13km, 5km, n124, 1906/210, France

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PZZ Stroppio, PZZ Stroppio, etc.

2012 JUL

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PZZ comp=E,58500um,0.3s, SURF Saint Outs, ISO Isola, etc.

GBOS Grotte di Boss 0.65 110 P Pg 13 10 17.2 -0.1

SBF Sospel 0.69 152 ePg Pg 13 10 17.8 -0.1

SBF Sospel 0.69 152 ePg Pg 13 10 25.7 -1.3

RSP Reno Superiore 0.70 16 P Pg 13 10 18.3 +0.1

RSP Reno Superiore 0.70 16 P Pg 13 10 18.3 +0.1

RSP Reno Superiore 0.70 16 S Pg 13 10 27.7 +0.2

RSP comp=E,768um,0.3s AML AML

RSP comp=N,555um,0.4s AML AML

RSP comp=E,768um,0.3s AML AML

RSP comp=N,555um,0.4s AML AML

RSP comp=E,768um,0.3s AML AML

RSP comp=N,555um,0.4s AML AML

RSP comp=E,768um,0.3s AML AML

RSP comp=N,555um,0.4s AML AML

RSP comp=E,768um,0.3s AML AML

RSP comp=N,555um,0.4s AML AML

RSP comp=E,768um,0.3s AML AML

RSP comp=N,555um,0.4s AML AML

RSP comp=E,768um,0.3s AML AML

RSP comp=N,555um,0.4s AML AML

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PZZ Stroppio, PZZ Stroppio, etc.

1218

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like EILF Villa Eilenroc, EILF Villa Eilenroc, FRF La Foret Royal, etc.

MMK Matmak 1.72 23 P Pn 13 10 35.4 +1.0

OG35 Corcelles 1.86 328 Pg Pn 13 10 39.3 +0.8

OG35 Corcelles 1.86 328 Pg Pn 13 10 39.3 +0.8

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

CABF La Chapelle 2.23 344 ePg Pn 13 10 44.3 -0.4

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like HAU Haudompre, HAU Haudompre, etc.

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Includes stations like TWD, LIOB, SBCB, NSST, etc.

MEX 24 15:11:09.7-0.3, 15:47N-93:38W, h86km, 4km, MD3.8, Near coast of Chiapas

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

ISCJB 24 15:15:57.8-0.7, 13:06S:0:06:167:0E:0.2, h250km, mb3.8/11, Error ellipse: s-maj=24.9km s-min=9.0km az=0.4

IDC 24 15:15:59.3-0.0, 13:20S:167:08E, h258km, 29km, mb3.6/11, mb1.3 3.7/12, mb1mx3.5/44, mbtmp4.1/12, Error ellipse: s-maj=22.0km s-min=16.0km az=102.0

ISC 24 15:15:58.9-0.8, 13:15S:0:08:167:1E:0.2, h250km, n16, az=089/19, mb4.0/11, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, MJAR, ASAJ, PETK, CMAR, GSPA, KDAK, SONM, ILAR, MKAR, ARCES, FINES, HFS, ESDC, etc.

CSEM 24 15:29:11.4-0.1, 46:32N:13:59E, h5km, ML2.7/26, Error ellipse: s-maj=2.3km s-min=1.5km az=24.0

VIE 24 15:29:11.5-0.2, 46:33N:13:61E, h5km, 3km, mb1.7/8, ml2.2/14, Error ellipse: s-maj=1.8km s-min=1.1km az=82.0

LJU 24 15:29:11.4, 46:32N:13:59E, h9km, ML2.0

ROM 24 15:29:11.2-0.1, 46:32N:0:00:13:548E:0:009, h10km, ML2.2/7

ISCJB 24 15:29:11.1-0.2, 46:33N:0:01:13:59E:0:02, h8km, 3km, Error ellipse: s-maj=2.6km s-min=1.7km az=26.2

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Includes stations like ROBS, PRED, DRE, PTCC, VINO, COLI, GEPF, SABO, MYKA, etc.

ISC 24 15:29:12.0-0.8, 46:32N:0:01:13:59E:0:01, h8km, 5km, n119, az=96/178, 4C-13D, Austria

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Includes stations like BUA, BOO, BOJ, VOJS, etc.

PLRO Paularo 0.39 307f ePg Pg 15 29 19.2 -0.4

FUSE Fusea 0.42 284 ePg Pg 15 29 19.7 -0.5

CRNS Crni Vrh 0.52 117 ePg Pg 15 29 21.2 -0.8

JAVS Javornik 0.53 142 iPg Pg 15 29 21.4 -0.8

MOZS Mozjanca 0.59 92 iPg Pg 15 29 23.2 -0.2

STAL STALIGAL 0.61 265 P Pg 15 29 22.4 -1.5

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

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TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

TRIE Trieste 0.62 169 ePg Pg 15 29 22.7 -1.2

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Includes stations like OBKA, GBAS, LJU, etc.

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

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OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

OBKA Obir 0.69 73 Pg Pg 15 29 24.0 -1.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KIV Kislovodsk, NB2 NORSAR Subarra, NOA NORSAR Array B, etc.

IDC 24 17:49:53.7, 0.8, 11.03N, 124.98E, h0km, mb3.9/13, mb1.4/13, mb1mx3.8/52, mbmp3.9/13, MS3.3/17, Ms1.3/4.17, ms1mx3.2/47, Error ellipse: s-maj=48.5km s-min=14.8km az=68.0

ISCJB 24 17:49:54.0, 1.1, 06N, 124.64E, h1km, mb4.9, ML3.8, MS3.9 MSJN 24 17:49:55.3, 0.5, 11.01N, 124.75E, 0.03, h17km, 4km, mb4.4/33, MS3.4/14, Error ellipse: s-maj=4.9km s-min=3.9km az=10.3

NEIC 24 17:50:02.0, 0.9, 11.02N, 124.92E, h61km, 6km, mb4.6/23, Error ellipse: s-maj=10.5km s-min=5.1km az=77.0

NEIC Felt [IV PIVS] at Kananga and Omoc; [III PIVS] at Carigara, Pastrana and Tacloban; [II PIVS] at Palo and Tolosa.

ISC 24 17:49:54.7, 1.2, 11.01N, 124.75E, 0.03, h3km, 8km, n94, c1985/89, mb4.4/33, MS3.3/14, 3C-3D, Leyte

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OCLP Ormoc, PLP Palo, MSLP Maasin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONA0 Songino Array, SONM Songino Array, SONN Songino Array, etc.

IDC 24 17:50:31.0, 1.6, 46.72N, 27.43W, h0km, mb3.5/3, mb1.3/7.4, mb1mx3.3/64, mbmp3.5/4, ML4.6/1, MS3.3/2, Ms1.3/3.2, ms1mx2.5/70, Error ellipse: s-maj=47.4km s-min=29.6km az=36.0

ISCJB 24 17:50:32.1, 0.6, 46.78N, 0.1, 27.4W, 0.1, h19km, mb4.4/7, MS3.2/2, Error ellipse: s-maj=18.8km s-min=11.2km az=9.5

CSEM 24 17:50:32.6, 46.73N, 27.44W, h10km, mb4.7/3, NEIC 24 17:50:32.6, 0.5, 46.73N, 27.44W, h10km, mb4.7/3, Error ellipse: s-maj=16.2km s-min=9.3km az=190.0

ISC 24 17:50:32.0, 0.8, 44.93N, 0.2, 27.4W, 0.1, h19km, n22, c083/17, mb4.4/7, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ESCD Sonseca Array, NC403 NORSAR Array S, etc.

SJA 24 18:03:32.8, 0.6, 31.24S, 68.15W, h104km, 2km, ML3.3, MW3.7

ISC 24 18:03:33.1, 1.5, 31.23S, 0.04, 68.09W, 0.05, h104km, 8km, n25, c049/31, 1C-1D, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RTLL Cerro Villicon, AMOG MOGNA, SJA San Juan, etc.

ATH 24 18:06:33.3, 4.1, 28N, 19.95E, h20km, 2km, ML2.9/5, Error ellipse: s-maj=3.4km s-min=1.6km az=151.0

CSEM 24 18:06:35.9, 0.1, 41.13N, 20.05E, h5km, ML2.9, Error ellipse: s-maj=3.1km s-min=1.8km az=65.0

BEO 24 18:06:35.0, 0.7, 41.02N, 20.01E, h13km, 3km, ML2.9/11 SKO 24 18:06:35.9, 0.4, 41.12N, 20.02E, h12km, M2.5, ML2.9

THE 24 18:06:36.3, 4.1, 16N, 20.06E, h4km, 1km, ML2.7/8, Error ellipse: s-maj=1.9km s-min=0.9km az=77.0

PDG 24 18:06:36.7, 0.7, 41.18N, 20.04E, h16km, 1km, ML3.1/14, Error ellipse: s-maj=0.7km s-min=0.4km az=0.0

TIR 24 18:06:36.5, 0.1, 15N, 20.13E, h6km, Md3.0/7, Error ellipse: s-maj=3.1km s-min=2.2km az=143.4

ISC 24 18:06:36.5, 1.1, 16N, 0.01, 20.06E, 0.02, h14km, 8km, n177, c1907/266, 26C-3D, Albania

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BFZ Birch Farm, HIZ Huiti, POWZ Post Office Ro, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GOPC GO Pecny, Ondr, PRU Pruhonice, MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PDG baz=6.0, LIT Litokhoron, SLD Sagiada, etc.

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

Code Station Name Az' Az'' Phase ID Time Res ISC h m s ISC
HNR Honiara 6.84 292 P Op ISC 19 43 17.07
DZM Mont Dzumac 9.98 180 ePn P 19 44 00.6 -1.6
CTAO Charters Tower 20.92 245 ePn P 19 46 15.4 +2.0

Code Station Name Az' Az'' Phase ID Time Res ISC h m s ISC
HNR Honiara 6.84 292 P Op ISC 19 43 17.07
DZM Mont Dzumac 9.98 180 ePn P 19 44 00.6 -1.6
CTAO Charters Tower 20.92 245 ePn P 19 46 15.4 +2.0

Main table of station data for 24d 19h, including stations like HNR, DZM, CTAO, AFI, RAO, COEN, ARMA, ARMA, OUZ, BKZ, BFZ, THZ, STKA, STKA, KHZ, LTZ, OKX, WR1, WR1, WRA, RPZ, MQZ, LBZ, WKZ, AS01, AS31, ASAR, GUMO, MTN, BBOO, XMAS, FORT, LWUI, MBWA, MLOA, MJAR, MAJO, JNU, ASAJ, KRSR, KSAR, PETK, PEAI, VDA, VDA, CM31, CMAR, GSPA, ULN, SONA0, SONM, SONA1, ILAR, ILB, EMB, MK01, MK01, MK31, MK31, MK32, MKAR, MKAR.

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

IDC 24 19:45:11.0,2.4, 17.87N,102.06W,h0km,mb3.8/4, mb1 4.0/6,mb1mx3.7/53,mbtmp3.7/6,ML2.7,MS3.1/6, Ms1 3.1/6,ms1mx2.7/46,Error ellipse: s-maj=49.4km s-min=22.2km az=31.0
ISCJB 24 19:45:17.1,0.4, 18.07N,101.85W,0.03,h51km,7km, mb3.8/6,MS3.0/3,Error ellipse: s-maj=7.6km s-min=3.8km az=25.1
NEIC 24 19:45:19.5,0.0, 18.07N,101.86W,h24km,mb4.1/4, MD4.1(MEX),After MEX.
MEX 24 19:45:19.6,0.0, 18.07N,101.86W,h24km,11km,MD4.1
ISC 24 19:45:18.0,1.0, 18.07N,101.86W,0.03, h42km,13km,n43,1129/58,mb3.8/6,MS2.9/3,Guerrero

Main table of station data for 24d 19h, including stations like ZIIG, ZIIG, ZIIG, etc.

MEX 24 19:49:27.9,0.3, 18.50N,104.64W,h16km,71km,MD3.6, Near coast of Jalisco

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

BEQ 24 19:50:21.3,0.7, 41.03N,20.04E,h5km,3km,ML2.4/5 TIR 24 19:50:22.4, 41.13N,20.13E,h6km,MD2.7/5 CSEM 24 19:50:22.3,0.1, 41.13N,20.04E,h2km,ML2.2,Error ellipse: s-maj=3.9km s-min=2.0km az=61.0
SKO 24 19:50:23.0, 41.11N,20.04E,h13km,M2.0,ML2.4 THE 24 19:50:23.0, 41.15N,20.08E,h4km,1km,ML2.2/10,Error ellipse: s-maj=1.2km s-min=0.6km az=77.0
PDG 24 19:50:23.0, 41.17N,20.04E,h11km,1km,ML2.7/14,Error ellipse: s-maj=0.9km s-min=0.1km az=0.0
ISC 24 19:50:22.6, 41.14N,20.01N,20.05E,0.02,h9km,9km,n115,1190/4205,12C-10D,Albania

Main table of station data for 24d 19h, including stations like OHR, OHR, OHR, etc.

Main table of station data for 24d 19h, including stations like PHP, PHP, PHP, etc.

Table with columns: IVAS, Ivanjica, 2.43, 2, ePn, Pn, 19 51 04.0 +1.4, 1.8nm,0.8s, ZAAO, Zalesovo Array, 20.40, 27, eP, P, 20 11 28.9 -0.7, etc.

MEX 24 20:04:26.4,0.3, 16,28N:98,28W, h5km, MD3.7, Near coast of Guerrero

ISC/JB 24 20:06:59.4,0.5, 36,49N:0,04:69,42E:0,05, h100km, mb4,4/9, Error ellipse: s-maj=6.9km s-min=5.0km az=147.6

Code Station Name Az AZ Phase ID Time Res Code Station Name Az AZ Phase ID Time Res

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, KBL, Kabul, 2.04, 189, Op, ISC, h, m, s, ISC, etc.

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ZAAO, Zalesovo Array, 20.40, 27, eP, P, etc.

MAN 24 20:17:46.6, 16,24N:120,48E, h22km, mb4.7, ML3.6, MS3.5, Luzon

Code Station Name Az AZ Phase ID Time Res BOLD, Bolinao, 0.56, 284, eP, S, 20 17 58.7 -0.6, etc.

ISC 24 20:19:36.6, 0.6, 34,89N:23,32E, h0km, mb4,3/25, mb1,4/2/36, mb1mx4,2/71, mb1mp4,2/36, ML3,9/10, MS3,5/22, Ms1,3/5/22, ms1mx3,3/60, Error ellipse: s-maj=14.4km s-min=12.0km az=177.0

Code Station Name Az AZ Phase ID Time Res GVD, Gavidhos, 0.60, 93, P, S, 20 19 55.1 0.0, etc.

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, GVD, Gavidhos, 0.60, 93, P, S, 20 19 55.1 0.0, etc.

Table with columns: VLI, comp=N,4374um,0.9s, AML, AML, 20 20 57.4, VLI, comp=E,4318um,1.5s, AML, AML, 20 20 58.3, etc.

24D 20h

Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like ARG Arhangelos, CHOS Chios island, AGG Agios Georgios, etc.

2012 JUL

Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like PLD Plovdiv, GAZI Gazipasa, VAE Valguarnera, etc.

1230

Table with 4 columns: Call sign, Name, Frequency, and Mode. Includes stations like VISS Visnje, BURAR Bucovina, SOKA Soboth, etc.

24d 21h

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like PNTR Pine Nut, BMN Battle Mountain, YERR Yerrington, etc.

2012 JUL

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like SRU San Rafael Swe, GSC Goldstone, Y21C Blythe, etc.

1234

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like I36A Fitzsimmons Fa, F40A Park Falls, E41A Kenton, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Burlington, Latoph, Novokhoporsk, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like CMAR, Chiang Mai Arr, Magazine, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like GEC2, GERES Array S, GERES Array B, etc.

ISCJB 24 21:38:00.4+0.3, 24:65N, 0:102E-122:33E, 0:102, h2 1km, 4km, Error ellipse: s-maj=3.5km s-min=2.9km az=6.3 JMA 24 21:38:00.4+0.1, 24:64N, 122:31E, h30km, 5km, M2.6 TAP 24 21:38:00.2, 24:65N, 122:28E, h18km, 1km, ML3.0, 0.1m ISC 24 21:37:59.8, 1, 0, 24:66N, 0:103E, 122:34E, 0:102, h2 1km, 2km, n47, c062/88, 1C, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like EOS1, EOS2, EGGS, etc.

Table with columns: WFSB, ENTT, TWA, NWLT, YM07, YM07, NACB, NACB, TATO, TATO, YM11, YM11, YM11, YM08, YM08, YM10, YM10, YHNB, YHNB, YM04, YM04, TWD, TWD, TWD, NSK, NSK, NNSH, NNSH, NNSB, NNSB, NNS, NNS, TWS1, TWS1, WHF, WHF, TWT, TWT, TDCB, TDCB, ESL, ESL, LIOB, LIOB, NSTT, NSTT, CHGB, CHGB, IRIF, IRIF, HATJ, HATJ, SSLB, SSLB, JKRS, JKRS, YULB, YULB, YULB, JIJ, JIJ, JISG, JISG

KAMT Kaman 1.80 222 ePn Pn 21 39 27.7 +0.7
KRSK 24 21:41:22.7+1.7, 49:59N;156:35E, h16km, 25km, ML3.6,
Kuri Islands
Code Station Name Az AZZ Op Phase ID Time Res

ISCJB 24 21:41:30.1+0.6, 50:14N;0:04:19:15E;0:03, h0km, Error
ellipse: s-maj=5.7km s-min=2.8km az=12.6
CSEM 24 21:41:31.0+0.4, 50:13N;19:20E; h2km, ML2.6/4, Error
ellipse: s-maj=10.9km s-min=5.1km az=6.0
PRU 24 21:41:31.9, 50:13N;19:22E, h0km
WAR 24 21:41:32.2, 50:08N;19:34E, h1km, Mw2.3
ISC 24 21:41:31.0+0.8, 50:06N;0:03:19:22E;0:02, h0km, n32,
a0567/56, Poland

Code Station Name Az AZZ Op Phase ID Time Res
CHZP Chorzow 0.27 328 ePb Pn 21 41 38.5 +0.8
CHZP Chorzow 0.27 328 eSg Sb 21 41 44.8 +0.8
CHZP Chorzow 0.27 328 ePb Pn 21 41 39.6 +0.8
CHZP Chorzow 0.27 328 eSg Sb 21 41 44.8 +0.8
OJC Ojcow 0.41 67 ePb Pn 21 41 38.4 +0.3
OJC Ojcow 0.41 67 eSg Sb 21 41 38.4 +0.3
OJC Ojcow 0.41 67 ePb Pn 21 41 38.4 +0.3
OJC Ojcow 0.41 67 eSg Sb 21 41 38.4 +0.3
OKC Ostrava-Krasne 0.73 252 ePb Pn 21 41 47.1 +0.6
OKC Ostrava-Krasne 0.73 252 eSg Sb 21 41 57.1 +0.1
OKC Ostrava-Krasne 0.73 252 ePb Pn 21 41 47.1 +0.6
OKC Ostrava-Krasne 0.73 252 eSg Sb 21 41 57.1 +0.1
LANS Lipitovska Anna 0.93 170 ePb Pn 21 41 50.4 +0.5
LANS Lipitovska Anna 0.93 170 eSg Sb 21 42 03.8 +1.0
NIE Niedzica 0.95 132 ePb Pn 21 41 49.9 +0.4
NIE Niedzica 0.95 132 eSg Sb 21 42 03.3 +0.2
NIE Niedzica 0.95 132 ePb Pn 21 41 49.9 +0.4
NIE Niedzica 0.95 132 eSg Sb 21 42 03.3 +0.2
MORC Moravsky Berou 1.12 256 ePb Pn 21 42 10.4 +0.3
MORC Moravsky Berou 1.12 256 eSg Sb 21 41 54.1 +0.2
MORC Moravsky Berou 1.12 256 ePb Pn 21 42 10.4 +0.3
MORC Moravsky Berou 1.12 256 eSg Sb 21 41 54.1 +0.2
KRLC Kralicky 1.57 271 ePb Pn 21 42 00.3 +0.2
KRLC Kralicky 1.57 271 eSg Sb 21 42 00.3 +0.2
JAVC Velka Javorina 1.57 221 ePb Pn 21 42 02.1 +1.1
VYHS Vyhne 1.59 189 ePb Pn 21 42 01.1 -0.1
VYHS Vyhne 1.59 189 eSg Sb 21 42 22.0 0.0
VYHS Vyhne 1.59 189 ePb Pn 21 42 01.1 -0.1
VYHS Vyhne 1.59 189 eSg Sb 21 42 22.0 0.0
VRAC Vranov 1.86 247 ePb Pn 21 42 05.3 +0.6
VRAC Vranov 1.86 247 eSg Sb 21 42 21.5 +0.7
VRAC Vranov 1.86 247 ePb Pn 21 42 05.3 +0.6
VRAC Vranov 1.86 247 eSg Sb 21 42 21.5 +0.7
CRVS Cervencia-Dubn 1.87 128 ePb Pn 21 42 06.7 0.0
CRVS Cervencia-Dubn 1.87 128 eSg Sb 21 42 18.3 +0.9
CRVS Cervencia-Dubn 1.87 128 ePb Pn 21 42 06.7 0.0
CRVS Cervencia-Dubn 1.87 128 eSg Sb 21 42 18.3 +0.9
DPC Dobruska-Polom 1.88 280 ePb Pn 21 42 06.2 +0.2
DPC Dobruska-Polom 1.88 280 eSg Sb 21 42 31.1 -0.3
DPC Dobruska-Polom 1.88 280 ePb Pn 21 42 06.2 +0.2
DPC Dobruska-Polom 1.88 280 eSg Sb 21 42 31.1 -0.3
KRUC Moravsky 2.09 242 ePb Pn 21 42 10.2 +0.4
KRUC Moravsky 2.09 242 eSg Sb 21 42 38.4 +0.3
PRU Pruhonice 3.02 270 eSg Sg 21 43 06.9 -0.9
PVCC Panska Ves 3.02 281 eSg Sg 21 43 08.2 +0.4
PVCC Panska Ves 3.02 281 eSg Sg 21 43 08.2 +0.4
BRG Berggiesshubel 3.47 286 eSg Sg 21 43 22.1 -0.2
KHC Kasperske Hory 3.79 258 ePb Pn 21 42 41.5 -2.0
KHC Kasperske Hory 3.79 258 eSg Sb 21 42 41.5 -2.0
KHC Kasperske Hory 3.79 258 ePb Pn 21 43 31.4 -1.1

GUC 24 21:43:37.6+0.7, 23:09S;68:35W, h100km, ML3.5, 4C-6D,
Northern Chile
Code Station Name Az AZZ Op Phase ID Time Res
PB15 IPOC Station P 1.04 263 I/P Pn 21 43 55.5 -3.3
PB15 IPOC Station P 1.04 263 I/S Pn 21 44 09.4 -5.2
PB06 IPOC Station P 1.19 288 I/P Pn 21 43 58.2 -1.1
PB06 IPOC Station P 1.19 288 I/S Pn 21 44 14.1 -3.4
PB06 IPOC Station P 1.19 288 I/S Pn 21 44 17.0 -5.6
PB06 IPOC Station P 1.19 288 I/S Pn 21 44 17.0 -5.6
PB09 IPOC Station P 1.53 327 I/P Pn 21 44 05.1 +0.6
PB09 IPOC Station P 1.53 327 I/S Pn 21 44 25.9 +1.1
PB09 IPOC Station P 1.53 327 I/S Pn 21 44 28.8
PB03 IPOC Station P 1.66 308 I/P Pn 21 44 06.8 +0.8
PB03 IPOC Station P 1.66 308 I/S Pn 21 44 28.7 +1.0
PB03 IPOC Station P 1.66 308 I/S Pn 21 44 29.6
PB05 IPOC Station P 1.73 277 I/P Pn 21 44 07.4 +0.6
PB05 IPOC Station P 1.73 277 I/S Pn 21 44 30.0 +0.9
PB05 IPOC Station P 1.73 277 I/S Pn 21 44 30.7
PB04 IPOC Station P 1.83 294 I/P Pn 21 44 09.1 +0.9
PB04 IPOC Station P 1.83 294 I/S Pn 21 44 33.3 +1.9
PB04 IPOC Station P 1.83 294 I/S Pn 21 44 37.0
PB07 IPOC Station P 1.97 313 I/P Pn 21 44 12.4 +2.4
PB07 IPOC Station P 1.97 313 I/S Pn 21 44 37.3 +2.7
PB07 IPOC Station P 1.97 313 I/S Pn 21 44 39.9
PB07 IPOC Station P 1.97 313 I/S Pn 21 44 39.9
PB02 IPOC Station P 2.27 320 I/P Pn 21 44 17.7 +3.9
PB02 IPOC Station P 2.27 320 I/S Pn 21 44 46.8 +5.2
PB01 IPOC Station P 2.29 332 IAML Pn 21 44 52.3
GO02 Mina Guanaco 2.36 209 IAML Pn 21 44 54.4
ISC 24 21:44:35.5+1.8, 2:99S;141:42E, h0km, mb3.4/2,
m1 3.8, mb1 mx3.14, mbtm3.5/3, ML3.6/1, Error
ellipse: s-maj=291.3km s-min=29.4km az=111.0, Near
north coast of New Guinea
Code Station Name Az AZZ Op Phase ID Time Res
WRA Warramunga Arr 18.21 202 P Pn 21 48 49.7 -0.3
ASAR Alice Springs 21.81 199 P P 21 49 29.6 +0.2
ILAR Irlowm Array 84.97 2.4 P Pn 21 51 12.4 0.0

KRSK 24 21:51:33.6+1.9, 49:22N;157:20E, h40km, 19km, ML3.8,
East of Kuril Islands
Code Station Name Az AZZ Op Phase ID Time Res
SKR Severo-Kuril's 1.62 335 ePb Pn 21 51 59.3 -0.3
SKR Severo-Kuril's 1.62 335 eSg Sb 21 52 19.3 +0.1
PAU Pazhetka 2.26 354 ePb Pn 21 52 11.2 +2.8
PAU Pazhetka 2.26 354 eSg Sb 21 52 38.2 +3.2
KDTR Khodutka, Kamc 2.65 12 ePb Pn 21 52 17.3 +3.6
KDTR Khodutka, Kamc 2.65 12 eSg Sb 21 52 48.5 +4.0
MIPR Malaya Ipe'l'ka 3.07 355 ePb Pn 21 52 19.9 +2.4
MIPR Malaya Ipe'l'ka 3.07 355 eSg Sb 21 52 49.9 +4.3
RUS Russkaya 3.32 14 ePb Pn 21 52 26.3 +3.4
RUS Russkaya 3.32 14 eSg Sb 21 53 05.5 +4.4
MTVR Mutnovka 3.32 10 ePb Pn 21 52 26.9 +3.8
MTVR Mutnovka 3.32 10 eSg Sb 21 53 06.9 +5.5
KRMR Karymshinskiy 3.66 9 ePb Pn 21 52 31.5 +3.9
KRMR Karymshinskiy 3.66 9 eSg Sb 21 53 14.9 +5.5
DALK Dalny 3.94 14 ePb Pn 21 52 36.1 +4.7
DALK Dalny 3.94 14 eSg Sb 21 53 21.3 +5.0
UGLR Uglovaya 4.12 14 ePb Pn 21 52 39.2 +5.2
UGLR Uglovaya 4.12 14 eSg Sb 21 53 24.0 +5.4
AVH Avacha 4.16 13 ePb Pn 21 52 40.0 +5.4
AVH Avacha 4.16 13 eSg Sb 21 53 39.5 +4.8
KOK Koryaka 4.17 12 ePb Pn 21 52 39.4 +4.3
KOK Koryaka 4.17 12 eSg Sb 21 52 40.5 +4.8
SDLR Sedlovina 4.24 12 ePb Pn 21 52 40.4 +4.5
SDLR Sedlovina 4.24 12 eSg Sb 21 52 40.4 +4.5
SPN Mys Shipunski 4.27 24 ePb Pn 21 53 06.9 +6.2
SPN Mys Shipunski 4.27 24 eSg Sb 21 53 30.6 +4.2
GNL Ganaly 4.50 6 ePb Pn 21 52 43.7 +4.4
GNL Ganaly 4.50 6 eSg Sb 21 53 39.4 +4.3
TUMR Tumrok 6.33 15 ePb Pn 21 53 01.1 +5.7
TUMR Tumrok 6.33 15 eSg Sb 21 53 29.0 +4.9
KBTR Krutoberegovo 7.78 24 ePb Pn 21 53 29.0 +4.9

GUC 24 22:07:14.2+0.4, 22:86S;67:03W, h274km, 10km, ML3.9,
3C, Chile-Bolivia border region
Code Station Name Az AZZ Op Phase ID Time Res
PB15 IPOC Station P 2.28 261 ePb Pn 22 08 03.3 +1.9
PB15 IPOC Station P 2.28 261 I/S Pn 22 08 41.1 +2.3
PB15 IPOC Station P 2.28 261 I/S Pn 22 08 44.8
PB09 IPOC Station P 2.31 297 ePb Pn 22 08 04.4 +2.7
PB09 IPOC Station P 2.31 297 eSg Sb 22 08 41.4 +2.1
PB09 IPOC Station P 2.31 297 IAML Pn 22 08 47.2
PB06 IPOC Station P 2.35 273 ePb Pn 22 08 04.3 +2.2
PB06 IPOC Station P 2.35 273 eSg Sb 22 08 42.7
PB06 IPOC Station P 2.35 273 IAML Pn 22 08 47.7
PB03 IPOC Station P 2.65 287 ePb Pn 22 08 07.4 +2.5
PB03 IPOC Station P 2.65 287 eSg Sb 22 08 47.7 +2.6
PB01 IPOC Station P 2.92 308 I/P Pn 22 08 02.5 +2.6
PB01 IPOC Station P 2.92 308 I/S Pn 22 08 02.5 +2.6
PB05 IPOC Station P 2.93 270 ePb Pn 22 08 10.3 +2.7
PB05 IPOC Station P 2.93 270 I/S Pn 22 08 52.5 +2.4
PB04 IPOC Station P 2.93 280 I/P Pn 22 08 10.9 +3.1
PB04 IPOC Station P 2.93 280 I/S Pn 22 08 52.6 +2.4
GO02 Mina Guanaco 3.28 225 ePb Pn 22 08 59.9 +2.0
GO02 Mina Guanaco 3.28 225 eSg Sb 22 08 59.9 +2.0
PB08 IPOC Station P 3.35 323 I/P Pn 22 09 01.8 +3.1
PB08 IPOC Station P 3.35 323 I/S Pn 22 09 01.8 +3.1

WEL 24 22:17:00.7, 38:57'18"0W, h33km, ML3.8/25, East of
North Island
Code Station Name Az AZZ Op Phase ID Time Res
WMGZ Waiomatatini S 1.54 270 P S Pn 22 17 26.2 +0.4
WMGZ Waiomatatini S 1.54 270 P S Pn 22 17 45.6 +1.0
MXZ Matakaua Point 1.65 279 P S Pn 22 17 27.4 0.0
MXZ Matakaua Point 1.65 279 P S Pn 22 17 46.1 +1.2
PUZ Puketiti 1.67 261 P S Pn 22 17 28.3 +0.5
PKGZ Pakihiroa 1.80 268 P Pn 22 17 29.8 +0.2
CNZG Carnagh Statio 2.17 138 P Pn 22 17 31.8 -1.5
TWGZ Tauwharepareae 2.11 259 P S Pn 22 17 32.0 +1.1
TWGZ Tauwharepareae 2.11 259 P S Pn 22 17 54.9 +1.1
HAZ Te Kaha 2.04 272 P S Pn 22 17 33.4 +0.6
TKGZ Te Karaka 2.06 252 P S Pn 22 17 34.6 +1.5
TKGZ Te Karaka 2.06 252 P S Pn 22 17 60.0 +2.3
RUGZ Raukumara Rang 2.12 266 P Pn 22 17 34.3 +0.3
PRGZ Paritu Road 2.22 240 P Pn 22 17 37.2 +1.9
MWZ Matawai 2.28 257 P S Pn 22 17 36.9 +0.8
MWZ Matawai 2.28 257 P S Pn 22 18 03.9 +0.8
MHGZ Mahia Peninsula 2.32 235 P S Pn 22 17 38.8 +2.1
MHGZ Mahia Peninsula 2.32 235 P S Pn 22 18 08.1 -2.2
RAGZ Rawiri 2.41 253 P Pn 22 17 39.1 +1.2
KNZ Kokohu 2.41 240 P Pn 22 17 39.7 +1.9
KNZ Kokohu 2.41 240 P Pn 22 18 06.6 +1.4
SNGZ Shannon Statio 2.55 247 P S Pn 22 17 41.5 +1.7
SNGZ Shannon Statio 2.55 247 P S Pn 22 18 11.6 +1.9
URZ Urewera 2.59 260 P S Pn 22 17 41.9 +1.5
URZ Urewera 2.59 260 P S Pn 22 18 11.5 +0.7
WHZ Waihua 2.74 242 P S Pn 22 17 45.0 +2.6
WHZ Waihua 2.74 242 P S Pn 22 18 16.9 +2.2
RTZ Ruatuhuna 2.77 253 P S Pn 22 17 44.7 +1.9
RTZ Ruatuhuna 2.77 253 P S Pn 22 18 16.8 +1.7
RAHZ Aarahi 2.78 246 P S Pn 22 17 45.2 +2.2
RAHZ Aarahi 2.78 246 P S Pn 22 18 18.0 +2.5
MUGZ Murupara 2.90 256 P Pn 22 17 45.8 +1.3
MTHZ Mataitaniwha 2.94 249 P Pn 22 17 47.4 +2.2
ARHZ Aroapanui 2.99 241 P Pn 22 17 48.6 +2.7
NMHZ Naumai 3.05 245 P Pn 22 17 48.6 +1.9
TARZ Mount Tarawera 3.06 261 P Pn 22 17 48.0 +1.0
MCHZ McNeill Hill 3.28 240 P Pn 22 17 51.6 +1.8
KHZ Black Stump Fm 3.31 245 P Pn 22 17 51.9 +1.5
KAHZ Kahurangi 3.34 233 P Pn 22 17 52.2 +2.1
KWHZ Kaweka Forest 3.46 242 P Pn 22 17 54.1 +1.7
PXZ Pawanui 3.49 230 P Pn 22 17 53.7 +0.9
BRHZ Kereru 3.60 239 P Pn 22 17 55.6 +1.4
KHHZ Black Hill Sta 3.74 243 P Pn 22 17 57.8 +1.6
PKHZ Pukenui 3.85 271 P Pn 22 18 03.9 +1.3
MKAZ Moumakai 4.20 279 P Pn 22 18 02.4 0.0
HIZ Hauraki 4.38 260 P Pn 22 18 06.4 +1.4

NEIC 24 22:21:13.4+0.0, 38:65'S;175:27'E, h229km, ML4.0(WEL),
After WEL.
WEL 24 22:21:14.6, 39:53'17.5E, h222km, 4km, North Island
Code Station Name Az AZZ Op Phase ID Time Res
TWVZ Taurewa 0.36 167 Pn Pn 22 21 43.7 -0.2
TWVZ Taurewa 0.36 167 Pn Pn 22 21 43.8 -0.1
TWVZ Taurewa 0.36 167 Pn Pn 22 22 05.5 -1.5
TLVZ Tolley Road 0.42 22 Pn Pn 22 21 44.0 -0.1
HIZ Hauraki 0.43 299 Pn Pn 22 21 43.9 +0.4
HIZ Hauraki 0.43 299 Pn Pn 22 22 05.8 -1.1
HIZ Hauraki 0.43 299 Pn Pn 22 21 43.7 -0.3
HIZ Hauraki 0.43 299 Pn Pn 22 22 05.8 -1.1
COVZ Chateau Observ 0.50 161 Pn Pn 22 21 44.4 0.0
GOVZ Gokuroa 0.64 161 Pn Pn 22 22 06.0 -0.2
OTVZ Oturere 0.51 150 Pn Pn 22 21 43.8 -0.6
OTVZ Oturere 0.51 150 Pn Pn 22 22 07.0 -0.8
FWVZ Far West T-bar 0.56 162 Pn Pn 22 21 44.6 0.0
FWVZ Far West T-bar 0.56 162 Pn Pn 22 21 44.6 0.0
FWVZ Far West T-bar 0.56 162 Pn Pn 22 22 06.3 -2.0
PKVZ Pokaka 0.56 179 Pn Pn 22 21 44.4 -0.1
PKVZ Pokaka 0.56 179 Pn Pn 22 22 06.2 -1.8
WHVZ Whangaehu Hut 0.59 161 Pn Pn 22 21 44.8 0.0
WHVZ Whangaehu Hut 0.59 161 Pn Pn 22 21 44.9 +0.1
WHVZ Whangaehu Hut 0.59 161 Pn Pn 22 22 06.7 -1.8
TRVZ Turoa 0.60 164 Pn Pn 22 21 44.2 0.0
TRVZ Turoa 0.60 164 Pn Pn 22 21 44.9 +0.0
TUVZ Tukino 0.60 156 Pn Pn 22 21 44.8 +0.1
TUVZ Tukino 0.60 156 Pn Pn 22 21 44.9 +0.1
VRZ Vera Road 0.60 228 Pn Pn 22 21 44.1 -0.4
VRZ Vera Road 0.60 228 Pn Pn 22 21 44.2 -0.4
WVZ Waiarua 0.64 161 Pn Pn 22 21 44.9 +0.0
MTVZ Mangateitei 0.67 171 Pn Pn 22 21 44.9 0.0
MTVZ Mangateitei 0.67 171 Pn Pn 22 21 45.0 +0.1
MOVZ Moawhango 0.76 155 Pn Pn 22 21 45.0 -0.3
MOVZ Moawhango 0.76 155 Pn Pn 22 21 45.0 -0.3
MOVZ Moawhango 0.76 155 Pn Pn 22 22 06.5 -2.9
ALRZ Allen Road 0.81 79 Pn Pn 22 21 45.3 -0.2
ALRZ Allen Road 0.81 79 Pn Pn 22 22 08.5 -1.1
MRHZ Matea Rd 0.85 96 Pn Pn 22 21 45.4 -0.4
HLRZ Highlands Stat 0.93 60 Pn Pn 22 21 46.9 +0.6
BHHZ Black Hill Sta 0.95 144 Pn Pn 22 21 46.1 -0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BHZH, KARZ, BKZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANE, VANT, VAV, etc.

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

MEX 22:22:45.34.2d.0.6, 15'48N-93.44W, h84km, 6km, MD3.7. Near coast of Chiapas. 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 GNI, GNI, GNI, etc.

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

25d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include NIKU, NIKU, SALU, SALU.

ISCJB 24 23:34:57.3.0.7, 181.6S, 0.2-177.8W, 0.2, h600km, mb3.4/7, Error ellipse: s-maj=28.5km s-min=16.5km az=40.1

IDC 24 23:34:57.6.4.2, 181.49S, 177.67W, h588km, 4.9km, mb3.0/8, mb1 3.4/8, mb1mx3.1/4.1, mbtmp3.9/8, Error ellipse: s-maj=26.8km s-min=20.0km az=169.0

ISC 24 23:34:58.4.0.7, 18.5S, 0.2-177.7W, 0.2, h600km, n14, 0.65/16, mb3.5/7, 1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include URZ, WRA, ASAR, ASAR, VVND, NVAR, TXAR, ILAR, PDAR, BRTR, CLL, MMAI, GERES, DAVOX.

CSEM 24 23:43:23.8.0.7, 41.126N, 20.01E, h2km, ML2.6, Error ellipse: s-maj=13.0km s-min=7.3km az=13.0

TIR 24 23:43:24.5, 41.37N, 19.94E, h6km, M2.6/5

SKO 24 23:43:24.9, 41.31N, 19.81E, h0km, M1.8, ML2.2

BEO 24 23:43:24.5.0.6, 41.27N, 19.99E, h0km, 3km, ML2.1/10

ISC 24 23:43:22.8.1.4, 41.26N, 0.04-19.91E, 0.03, h1km, 10km, n38, r1514/67, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PPH, PPH, PPH, PPH, OHR, OHR, OHR, OHR, PUK, PUK, PUK, PUK, KBN, KBN, KRUS, KRUS, DRME, BCI, BCI, BCI, PDG, PDG, PDG, PDG, SKO, SKO, SKO, SKO, HCY, TREB, TREB, TREB, VAY, VAY, VAY, VAY, SLES, SLES, SLES, STON, STON, STON, STON, IVAS, IVAS, BBLs, BBLs, BBLs, BOVS, BOVS, DIVS, DIVS, DIVS, DIVS, NVLJ, NVLJ, NVLJ.

WEL 24 23:47:57.4.38'S, 9.18'W, h33km, ML3.5/19, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WMGZ, WMGZ, MKZ, PKGZ, CNZG, HAZZ, TWZ, TKGZ, RUGZ, RIGZ, RIGZ, PRGZ, MWZ, MWZ, MHGZ, MHGZ, KNZ, SNZG, URZ, RTZ, RAHZ.

2012 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MUGZ, MTHZ, MTHZ, ARHZ, MCHZ, EKZ, KWHZ, KAHZ, KRHZ.

MAN 25 00:02:05.4, 10.10N, 123.24E, h1km, mb4.3, ML3.2, MS2.9, 2C-1D, Cebu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TBP, LLL, GUIM, JAP, RCP, MSLP, OCLP, BUKP, BUKP.

CSEM 25 00:07:02.7, 31.68N, 6.40W, h1km, ML2.0

CNRM 25 00:07:02.7, 31.68N, 6.40W, h1km, ML2.0, Morocco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include OUK, OUK, OUK, OUK, MDT, MDT.

IDC 25 00:23:44.5.2.1, 2.69N, 96.29E, h0km, mb3.7/7, mb1 3.8/7, mb1mx3.5/6.3, mbtmp3.7/7, Error ellipse: s-maj=73.6km s-min=20.2km az=58.0

ISCJB 25 00:23:45.7.1.4, 2.55N, 0.05-95.98E, 0.06, h25km, gm, mb3.8/8, Error ellipse: s-maj=10.9km s-min=8.9km az=158.2

DJA 25 00:23:47.3.0.8, 3.3'N, 3.9'E, h10km, M4.1, 8m, mb4.4/2, MLV3.9/8

ISC 25 00:23:48.4.1.6, 2.61N, 10.05-96.07E, 0.10, h3km, 10km, n22, r1516/20, mb3.9/8, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SINSI, SINSI, TPTI, TPTI, MLSI, MLSI, KCSI, KCSI, GSI, GSI, TSI, TSI, MNSI, MNSI, CMAR, CMAR, H0S2, H0S2, H0S3, H0S3, H0W3, H0W3, H0W1, H0W1, ASAR, ASAR, KSRS, KSRS, MKAR, MKAR, SONN, SONN, ZALV, ZALV, BVAR, BVAR.

BJI 25 00:27:41.1, 2.43N, 96.13E, h23km, mb6.0/85, mb6.4/66, mb6.7/84, M6.7/85

ISCJB 25 00:27:42.3.0.4, 2.63N, 0.02-96.07E, 0.01, h16km, 3km, mb5.9/399, MS6.4/274, Error ellipse: s-maj=2.8km s-min=0.2km az=28.9

IDC 25 00:27:43.5.1.0, 2.67N, 96.11E, h14km, 6km, mb5.5/60, mb1 5.4/62, mb1mx5.4/65, mbtmp5.5/62, ML4.8/2, MS6.3/56, Ms1 6.3/56, ms1mx6.2/64, Error ellipse: s-maj=7.8km s-min=6.5km az=12.0

DJA 25 00:27:44.5.0.1, 3'N, 1.9'E, h10km, M6.2/96, mb5.9/96, mb6.4/88, MLV6.3/4, Mw(MB)6.1/88, Mw(MP)6.2/36

NEIC 25 00:27:45.0.0.0, 2.16N, 95.83E, h17km, Moment Tensor Solution, s19 Moment tensor: Scale 1018Nm, Mr=2.05; Ms=1.34; Mw=0.71; Mz=0.00; P1=3.7; P2=3.7; P3=3.7; double couple: Ms 4.00000, NP1=137.00000, s79.00000, s94.00000, NP2=296.00000, s12.00000, s169.00000. Principal axes: T 5.3800, Plg55.0000, Azm53.0000; N -0.0400, Plg4.0000, Azm316.0000; P -5.3300, Plg33.0000, Azm223.0000.

MOS 25 00:27:45.0.1, 0.2.65N, 96.10E, h38km, mb6.2/151, MS6.4/80 Error ellipse: s-maj=5.9km s-min=3.6km az=118.7

NEIC 25 00:27:45.3.0.1, 2.71N, 96.05E, h22km, mb5.9/184, ME6.2, MS6.5/166, MW6.3, MW6.4, Error ellipse: s-maj=3.9km s-min=2.8km az=205.0, Moment Tensor Solution, s95 Moment tensor: Scale 1018Nm, Mr=1.27; Ms=0.35; Mw=2.93; Mz=0.53; Mr=2.25; double couple: Ms 4.00000, NP1=126.00000, s79.00000, s169.00000. Principal axes: T 4.0900, Plg56.0000, Azm42.0000; N -1.7000, Plg4.0000, Azm305.0000; P -3.9200, Plg34.0000, Azm213.0000. Broadband fault plane solution: P waves. NP1=305.00000, s10.00000, s90.00000. NP2=125.00000, s80.00000, s90.00000. Principal axes: T 1955.00000, Azm35.00000; P 19.00000, Azm0.00000; N 19.00000, Azm0.00000.

NEIC Felt [IV] on Pulau Simeulue, Felt [III] at Banda Aceh, Sumatra. Also felt at Medan, Felt at Butterworth, Malaysia.

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ISC 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include SINSI, SINSI, TPTI, TPTI, MLSI, MLSI, KCSI, KCSI, GSI, GSI, TSI, TSI, MNSI, MNSI, CMBP, CMBP.

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3, 2.63N, 0.02-96.11E, 0.02, h29km, 1km, h2km, pp-P, n2485, r173/2690, mb5.9/402, MS6.4/306, 11C-43D, Northern Sumatra

CSEM 25 00:27:45.8.0.3,

MKAR	comp=Z,26um,18.6s,baz=164,slow=43	LR	LR	01 00 31.2
MKAR	comp=Z,0.9nm,0.9s,baz=316,slow=3.3,SNR=9.9	PKPPKP	P'P'df	01 07 23.2 -12
MKAR	Makanchi Array 45.61 347 eP	S	S	00 36 03.5 -0.1
MKAR	comp=Z,3um,0.8s	S	S	00 42 41.9 -2.5
MKAR	comp=Z,409nm,0.8s	S	S	00 36 03.5 -0.1
MKAR	comp=Z,26um,20.0s	S	S	00 42 41.9 -2.5
MAKZ	Makanchi 45.70 346 eP	P	P	00 36 04.0 -0.3
MAKZ	comp=Z,409nm,0.8s	LR	LR	
MAKZ	Makanchi 45.70 346 eP	P	P	00 36 04.0 -0.3
MAKZ	comp=Z,26um,20.0s	eP	Pmax	
MAKZ	comp=Z,409nm,0.8s	MLR	MLR	
ZSN	Zaisan 45.70 349 i/P	P	P	00 36 05.1 +0.8
ZSN	comp=Z,291nm,2.2s	i/S	S	01 02 46.7 +1.1
IUG	Iuzhnay 45.76 333 i/P	P	P	00 36 05.7 +0.8
IUG	comp=Z,297nm,0.8s	i/S	LR	00 42 47.9 +1.1
IUG	comp=Z,14um,17.7s	LR	LR	00 55 32.3
SONM	Songino Array 45.90 10 P	P	P	00 36 05.7 -0.3
SONM	comp=Z,160nm,0.9s,baz=193,slow=7.2,SNR=278	PcP	PcP	00 37 44.2 +1.5
SONM	comp=Z,79nm,0.8s,baz=194,slow=3.3,SNR=6.3	ScP	ScP	00 41 34.5 +0.4
SONM	comp=Z,7.0nm,1.0s,baz=204,slow=3.2,SNR=3.4	S	S	00 42 46.8 -2.0
SONM	comp=Z,3.2nm,1.0s,baz=210,slow=2.0,SNR=2.1	LR	LR	00 57 40.0
SONM	comp=Z,112um,19.5s,baz=192,slow=39	LR	LR	01 07 22.3 -13
SONM	comp=Z,1.1nm,0.8s,baz=228,slow=1.8,SNR=3.9	PKPPKP	P'P'df	00 36 04.5 -1.6
SONAR	Songino Array 45.92 10 P	P	P	00 36 08.1 +0.6
RER	Riviere de l'E 46.04 237 eP	P	P	
RER	comp=Z,372nm,0.9s	LR	LR	
ULN	Ulanbaatar 46.05 10 eP	P	P	00 36 06.9 -0.3
ULN	comp=Z,43um,18.0s	LR	LR	
ULN	Ulanbaatar 46.05 10 eP	P	P	00 36 06.8 -0.3
ULN	comp=Z,170nm,0.8s	LR	LR	
ULN	Ulanbaatar 46.05 10 eP	P	P	00 36 06.9 -0.3
ULN	comp=Z,101um,18.0s	eP	Pmax	
ULN	Ulanbaatar 46.05 10 eP	P	P	00 36 06.9 -0.3
ULN	comp=Z,170nm,0.8s	MLR	MLR	
CHM	Chimkent 46.09 333 i/P	P	P	00 36 08.6 +1.1
CHM	comp=Z,653nm,1.8s	eS	LR	00 42 52.7 +1.3
CHM	comp=Z,14um,17.6s	LR	LR	00 55 48.4
KK31	Karatay Array 46.31 334 eP	P	P	00 36 09.4 +0.2
KK31	Karatay Array 46.31 334 eP	P	P	00 36 09.3 +0.2
KK31	comp=Z,215nm,1.1s	Pmax	Pmax	
KKAR	Karatay Array 46.31 334 eP	P	P	00 36 09.4 +0.3
KKAR	Karatay Array 46.31 334 eP	P	P	00 36 09.4 +0.3
BTLS	Baital 46.49 338 i/P	P	P	00 36 10.6 0.0
BTLS	comp=Z,490nm,4.3s	i/S	LR	00 42 57.1 +0.1
BTLS	comp=Z,5um,16.7s	LR	LR	00 56 33.6
BRLS	Boroday 46.55 333 i/S	S	S	00 42 55.5 -2.4
DGZ	Jazzator, Alta 47.48 352 i/P	P	P	00 36 19.0 +0.6
DGZ	comp=Z,141nm,0.9s	Pmax	Pmax	
DGZ	comp=Z,22um,17.2s	MLR	MLR	
ZAK	Zakamensk 47.97 6 eP	P	P	00 36 21.3 -0.8
ZAK	comp=Z,226nm,2.0s	eP	Pmax	
HVS	Khovu-Aksy 48.38 358 i/P	P	P	00 36 24.8 -0.4
HVS	comp=Z,403nm,1.4s	Pmax	Pmax	
HVS	comp=Z,38um,16.0s	MLR	MLR	
QIS	Mount Isa 48.45 120 P	P	P	00 36 26.7 +0.5
CN2	Talaya 48.55 28 i/P	P	P	00 36 25.8 -0.7
CN2	Changchun 48.55 28 i/P	P	P	00 36 38.3 -0.4
CN2	comp=Z,49,SNR=31	eP	PP	00 38 18.8 -0.8
CN2	comp=Z,6um,13.0s	eS	SS	00 43 23.3 -3.0
CN2	comp=Z,43um,20.0s	Pmax	Pmax	00 46 48.9 -7.8
CN2	comp=Z,47um,20.0s	LR	LR	
CN2	comp=Z,47um,23.0s	LR	LR	
MOY	Mondy 49.04 4 eP	P	P	00 36 30.2 -0.1
MOY	comp=Z,435nm,2.6s	Pmax	Pmax	
ASHT	Ashkhabad 49.27 320 P	P	P	00 36 33.4 +1.3
ASHT	comp=Z,516nm,1.2s	Pmax	Pmax	
TLY	Talaya 49.29 6 eP	P	P	00 36 32.7 +0.6
TLY	comp=Z,135nm,0.8s	LR	LR	
TLY	Talaya 49.29 6 P	P	P	00 36 33.1 +0.9
TLY	SNR=85	P	P	00 36 32.6 +0.5
TLY	Talaya 49.29 6c i/P	P	P	00 38 28.6
TLY	comp=Z,257nm,1.6s	ePPP	PPP	00 39 27.4
TLY	comp=Z,43um,16.0s	eS	SS	00 43 37.0 +0.4
TLY	comp=Z,43um,16.0s	Pmax	Pmax	
GUMO	Guam 49.38 74 P	P	P	00 36 32.4 -1.0
GUMO	comp=Z,49nm,0.4s,baz=328,slow=3.3,SNR=7.6	S	S	00 43 32.8 -6.1
GUMO	comp=Z,28nm,0.6s,baz=288,slow=19,SNR=2.0	LR	LR	00 56 18.5
GUMO	comp=Z,20um,21.6s,baz=257,slow=35	LR	LR	
GUMO	Guam 49.38 74 eP	P	P	00 36 32.9 -0.5
GUMO	comp=Z,634nm,1.4s	S	S	00 43 32.8 -6.1
GUMO	Guam 49.38 74 eP	P	P	00 36 32.9 -0.5
GUMO	comp=Z,634nm,1.4s	S	S	00 43 32.8 -6.1
GEYT	Alibeck 49.43 320 P	P	P	00 36 32.4 -1.1
GEYT	comp=Z,58nm,0.8s,baz=127,slow=7.1,SNR=1.2	PcP	PcP	00 37 53.3 -2.2
GEYT	comp=Z,27nm,1.0s,baz=145,slow=5.3,SNR=1.0	S	S	00 43 36.9 -2.1
GEYT	comp=Z,0.4nm,0.6s,baz=107,slow=29,SNR=2.1	LR	LR	00 59 22.0
GEYT	comp=Z,45um,21.3s,baz=205,slow=38	LR	LR	
GYA0B	ALIBECK ARRAY 49.43 320 eP	P	P	00 36 33.5 0.0
GYA0B	comp=Z,319nm,0.8s	LR	LR	
SEM	Semipalatinsk 49.47 347 i/P	P	P	00 36 33.3 -0.4
SEM	comp=Z,531nm,2.6s	i/S	LR	00 43 39.1 -0.4
SEM	comp=Z,11um,16.1s	LR	LR	00 59 31.4
COEN	Coen 49.48 111 P	P	P	00 36 34.0 -0.1
COEN	comp=Z,124nm,1.0s	eP	P	00 36 33.9 -0.2
COEN	comp=Z,28um,22.0s	LR	LR	
IRK	Irkutsk 49.92 7 eP	P	P	00 36 36.9 +0.1
IRK	comp=Z,28um,22.0s	eS	Pmax	00 43 48.8 +3.6
IRK	comp=Z,770nm,1.9s	P	P	00 36 37.3 -0.2
INU	Inuyama 49.95 44 eP	P	P	
INU	comp=Z,122nm,1.3s	LR	LR	
INU	comp=Z,55um,18.0s	LR	LR	

KURBB	Kurchatov Arra 50.08 345 P	P	P	00 36 37.8 -0.3
KURBB	comp=Z,67nm,0.5s,baz=166,slow=6.8,SNR=203	ScP	ScP	00 41 53.5 +2.0
KURBB	comp=Z,4.9nm,0.9s,baz=167,slow=4.7,SNR=4.7	S	S	00 43 46.0 -1.6
KURK	Kurchatov 50.15 346 eP	P	P	00 36 38.5 -0.1
KURK	comp=Z,4.7nm,1.2s,baz=147,slow=16,SNR=3.4	ScP	ScP	00 41 53.5 +1.8
KURK	comp=Z,59um,21.0s	eS	LR	00 43 46.6 -1.8
KURK	Kurchatov 50.15 346 P	P	P	00 36 38.8 +0.2
KURK	SNR=186	P	P	00 36 38.5 -0.1
KURK	Kurchatov 50.15 346 eP	P	P	00 43 46.6 -1.8
KURK	comp=Z,59um,21.0s	eS	MLR	
CBIJ	Chichi jima 50.33 57 eP	P	P	00 36 37.9 -2.5
CBIJ	comp=Z,212nm,0.7s	S	S	00 43 49.4 -2.3
JCJ	Chichijima 50.33 57 S	S	S	00 43 49.4 -2.3
JCJ	comp=Z,26um,21.8s,slow=34	LR	LR	00 55 55.6
MSHR	Mya Shultsa 50.60 330 i/P	P	P	00 36 42.0 -0.2
HIA	Hailar 50.66 20 eP	P	P	00 36 42.4 -0.2
HIA	comp=Z,668nm,1.5s	LR	LR	
HIA	Hailar 50.66 20 eP	P	P	00 36 42.4 -0.2
HIA	comp=Z,79um,21.0s	eP	Pmax	
HIA	comp=Z,668nm,1.5s	MLR	MLR	
HIA	comp=Z,79um,21.0s	eS	MLR	
JHJ	Hachijo jima 2 50.87 48 P	P	P	00 36 42.7 -1.6
JHJ	comp=Z,40nm,0.4s,baz=50,slow=19,SNR=2.8	PP	PP	00 38 43.7 +2.8
JHJ	comp=Z,17nm,0.3s,baz=233,slow=20,SNR=2.2	S	S	00 44 00.6 +1.5
JHJ	comp=Z,18nm,0.4s,baz=242,slow=19,SNR=1.7	LR	LR	00 37 00.0 +1.5
JHJ2	Mitsune 50.89 48 PFAKE	LR	LR	
JHJ2	comp=Z,21um,22.0s	LR	LR	
MDJ	Mudanjiang 51.18 30 P	P	P	00 36 44.0 -2.5
MDJ	comp=Z,21um,22.0s	pP	pP	00 36 50.9 -4.3
MDJ	comp=Z,21um,22.0s	pP	pP	00 36 53.8 -4.8
MDJ	comp=Z,21um,22.0s	pP	pP	00 38 42.0 -1.5
MDJ	comp=Z,21um,22.0s	pP	pP	00 41 55.5 -3.7
MDJ	comp=Z,21um,22.0s	pP	pP	00 44 04.5 +1.5
MDJ	comp=Z,21um,22.0s	pP	pP	00 44 16.4 -1.0
MDJ	comp=Z,150nm,1.4s	Pmax	Pmax	
MDJ	comp=Z,6um,7.8s	LR	LR	
MDJ	comp=Z,61um,17.5s	LR	LR	
MDJ	comp=Z,58um,19.1s	LR	LR	
MDJ	comp=Z,90um,18.3s	LR	LR	
MDJ	Mudanjiang 51.18 30 eP	P	P	00 36 46.9 +0.4
MDJ	comp=Z,199nm,1.3s	LR	LR	
MDJ	comp=Z,63um,20.0s	LR	LR	
BRZS	Berezinski 51.21 341 i/P	P	P	00 36 46.7 0.0
BRZS	comp=Z,509nm,2.3s	i/S	LR	00 44 03.5 +0.2
BRZS	comp=Z,6um,15.9s	LR	LR	00 59 49.3
CIT	Chita 51.34 14 eP	P	P	00 36 48.0 +0.4
CIT	comp=Z,464nm,1.1s	e	e	00 36 58.8
CIT	comp=Z,130nm,1.4s	e	e	00 37 04.5
CIT	comp=Z,464nm,1.1s	e	e	00 38 03.9
CIT	comp=Z,130nm,1.4s	e	e	00 44 06.6 +1.5
MJB9	Matsu-Tunnel 51.40 44 eP	P	P	00 36 48.1 -0.2
MJB9	comp=Z,40um,19.0s	LR	LR	
MAJO	Matsushiro 51.40 44 eP	P	P	00 36 48.0 -0.3
MAJO	comp=Z,133nm,1.4s	ePcP	PcP	00 38 02.7 0.0
MAJO	Matsushiro 51.40 44c i/P	P	P	00 36 47.0 -1.3
MAJO	comp=Z,37um,19.0s	Pmax	Pmax	
MAJO	comp=Z,120nm,1.9s	MLR	MLR	
MAT	Matsushiro 51.40 44 P	P	P	00 36 47.2 -1.1
MAT	comp=Z,34um,17.0s	S	S	00 44 08.8 +2.5
MJAR	Matsushiro Arr 51.40 44 P	P	P	00 36 47.3 -1.0
MJAR	comp=Z,4.4nm,0.7s,baz=231,slow=7.1,SNR=24	PcP	PcP	00 38 01.1 -1.6
MJAR	comp=Z,35nm,0.8s,baz=244,slow=5.6,SNR=5.0	ScP	ScP	00 41 59.0 +1.5
MJAR	comp=Z,0.9nm,0.4s,baz=243,slow=5.5,SNR=3.3	LR	LR	01 01 00.8
MANU	Manus Island 51.45 95 eP	P	P	00 36 49.6 +0.6
MANU	comp=Z,30um,18.2s,baz=235,slow=39	LR	LR	
BBOO	Buckleboo 51.66 136 P	P	P	00 36 50.3 +0.1
BBOO	comp=Z,142nm,1.1s	P	P	00 36 50.6 +0.4
BBOO	comp=Z,94nm,0.9s	LR	LR	
MTSU	Mount Surprise 51.76 115 P	P	P	00 36 51.7 +0.4
MTSU	comp=Z,28um,21.0s	P	P	00 36 52.0 -0.4
ZAAO	Zalesovo Array 51.99 352 eP	P	P	00 36 51.7 +0.4
ZAAO	comp=Z,552nm,1.1s	LR	LR	
ZAAO	comp=Z,44um,22.0s	LR	LR	
ZALV	Zalesovo Beam 51.99 352 P	P	P	00 36 52.0 -0.4
ZALV	comp=Z,211nm,0.5s,baz=180,slow=6.8,SNR=527	PcP	PcP	00 38 02.8 -1.7
ZALV	comp=Z,27nm,0.7s,baz=167,slow=5.7,SNR=1.4	PP	PP	00 38 51.7 +1.0
ZALV	comp=Z,42nm,1.0s,baz=174,slow=5.8,SNR=1.6	ScP	ScP	00 42 00.7 +1.1
ZALV	comp=Z,9.5nm,1.0s,baz=182,slow=7.2,SNR=2.7	S	S	00 44 00.7 +1.1
ZALV	comp=Z,3.3nm,0.8s,baz=160,slow=28,SNR=3.1	LR	LR	00 44 14.0 +0.2
ZALV	comp=Z,43um,19.1s,baz=168,slow=41	LR	LR	01 03 30.0
ZALV	comp=Z,0.9nm,0.5s,baz=328,slow=1.9,SNR=3.7	PKPPKP	P'P'df	01 07 17.1 -10
ZALV	Zalesovo Beam 51.99 352 eP	P	P	00 36 50.6 -1.8
ZALV	comp=Z,28um,21.0s	PcP	PcP	00 38 02.8 -1.7
ZALV	comp=Z,28um,21.0s	PP	PP	00 38 51.7 +1.0
ZALV	comp=Z,28um,21.0s	ScP	ScP	00 42 00.7 +1.1
ZALV	comp=Z,28um,21.0s	P'P'	P'P'	00 44 14.0 +0.2
ZALV	comp=Z,28um,21.0s	P'P'	P'P'	01 07 17.1
USRK	Ussuriysk Ar. 52.14 32 P	P	P	00 36 53.3 -0.4
USRK	comp=Z,27nm,0.8s,baz=241,slow=5.9	S	S	00 44 16.8 +0.6
USRK	comp=Z,234,slow=44	LR	LR	01 01 15.3
PMG	Port Moresby 52.24 104 P	P	P	00 36 54.6 -0.4
PMG	comp=Z,131nm,0.9s,baz=289,slow=6.6,SNR=15	PP	PP	00 38 59.5 +5.8
PMG	comp=Z,50nm,1.0s,baz=243,slow=9.0,SNR=1.2	S	S	00 44 14.5 -4.1
PMG	comp=Z,4.6nm,0.3s,baz=279,slow=15,SNR=1.8	LR	LR	01 02 03.0
OPO	Ambohidratompo 52.54 244 P	P	P	00 36 57.2 0.0
OPO	comp=Z,46nm,1.0s,baz=55,slow=8.0,SNR=22	S	S	00 44 24.8 +2.0
OPO	comp=Z,2.0nm,0.8s,baz=94,slow=19,SNR=1.8	LR	LR	00 57 09.2
ABPO	Ambohipanom 52.64 244 eP	P	P	00 36 58.4 +0.4
ABPO	comp=Z,16um,18.1s,baz=48,slow=34	LR	LR	
ABPO	Ambohipanom 52.64 244 eP	P	P	00 36 58.4 +0.4
ABPO	comp=Z,28um,1.4s	Pmax	Pmax	
ABPO	comp=Z,25um,18.0s	MLR	MLR	
ABPO	comp=Z,28um,1.4s	MLR	MLR	
NVS	Novosibirsk 53.10 351 i/P	P	P	00 37 00.2 -0.4
NVS				

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KMBO, CUKTK, GARNI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KUR, PATS, CAN, ARMA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YAK, TAHT, TAUS, etc.

KLV	Kalavryta, Ach	75.77 308	P	P	00 39 27.5	-1.9
LIT	Lotru	75.78 316	iP	P	00 39 29.5	+0.1
LOT	Litohoron	75.80 311	eP	P	00 39 28.7	-0.8
LIT	Litohoron	75.80 311	P	P	00 39 26.6	-2.9
LIT	Litohoron	75.80 311	P	P	00 39 28.7	-0.8
ITM	comp-Z,82nm,0.9s	75.83 308	eP	P	00 39 29.4	-0.3
ITM	ithomi	75.83 308	P	P	00 39 28.3	-1.4
TRIZ	Trizonia	75.87 309	P	P	00 39 27.6	-2.3
SERG	Sergoula	75.89 309	P	P	00 39 28.1	-1.9
LAKA	Lakka	75.93 309	P	P	00 39 28.5	-1.8
LAKA	Lakka	75.93 309	P	P	00 39 28.5	-1.8
VAY	Valandovo	75.93 312	P	P	00 39 27.3	-2.8
VAY	Valandovo	75.93 312	iP	P	00 39 28.9	-1.2
VAY	Valandovo	75.93 312	P	P	00 39 27.3	-2.8
PYL	PYLOS	75.94 307	P	P	00 39 28.0	-2.3
PYL	PYLOS	75.94 307	P	P	00 39 28.0	-2.3
GRG	Griva	76.00 311	P	P	00 39 28.5	-2.1
GRG	Griva	76.00 311	P	P	00 39 28.5	-2.1
GRG	Griva	76.00 311	P	P	00 39 28.5	-2.1
ANX	Ano Chora	76.01 309	P	P	00 39 29.1	-1.8
AMT	Artemida-Makis	76.02 309	P	P	00 39 29.1	-1.8
NACGM	Naroch	76.06 326	eP	P	00 39 30.0	-0.6
NACGM	comp-Z,0.8nm,1.0s		PM		00 39 32.0	
NACGM	eS		eS		00 49 08.0	-4.2
NACGM	eSS		eSS		00 53 26.0	-4.0
NACGM	eSSS		eSSS		00 57 26.0	
NACGM	LQ		LQ		01 05 40.0	
NACGM	eLR		eLR		01 08 46.0	
NACGM	LRM		LRM		01 17 08.0	
THL	Klokotos Trika	76.09 310	P	P	00 39 27.0	-4.1
DRO	Drossia	76.10 308	P	P	00 39 30.3	-0.9
CJR	Cluj-Napoca	76.14 317	iP	P	00 39 32.5	+1.2
EVR	Evyrtania	76.15 309	P	P	00 39 29.6	-2.0
EVR	Evyrtania	76.15 309	P	P	00 39 31.1	-1.0
IDID	Didizasalis	76.20 327	eP	P	00 39 31.2	-0.1
IDID			IAMB	IAMB	00 39 39.9	
RLS	Rilos of Patr	76.31 308	P	P	00 39 31.4	-0.9
RLS	Rilos of Patr	76.31 308	P	P	00 39 31.1	-0.9
KZN	Kozani	76.38 311	P	P	00 39 30.2	-2.6
KZN	Kozani	76.38 311	P	P	00 39 30.2	-2.6
KZN	Kozani	76.38 311	P	P	00 39 30.2	-2.6
BMR	Baia Mare	76.39 318	iP	P	00 39 33.7	+1.0
DEV	Deva	76.46 317	P	P	00 39 34.0	+0.9
LVV	L'vov	76.48 321	i	S	00 42 26.4	
LVV			iS	S	00 49 15.9	-1.1
LVV			eSS	SSS	00 54 12.8	+0.7
LVV			eSSS	SSS	00 57 28.5	
IIGN	Ignalina	76.50 327	eP	P	00 39 33.0	-0.1
IIGN			IAMB	IAMB	00 39 42.5	
IZAR	Zarasai	76.59 327	eP	P	00 39 33.4	-0.1
IZAR			IAMB	IAMB	00 39 42.0	
PDO	Prodromos	76.60 309	P	P	00 39 32.5	-1.5
ISAL	Salakas	76.61 327	eP	P	00 39 33.5	-0.2
ISAL			IAMB	IAMB	00 39 56.9	
HERR	Herculane	76.62 315	iP	P	00 39 34.1	+0.1
FNA	Florina	76.74 311	eP	P	00 39 33.7	-1.1
FNA	Florina	76.74 311	P	P	00 39 32.5	-2.4
FNA	Florina	76.74 311	eP	P	00 39 33.7	-1.1
DRGR	Tarawa	76.75 317	iP	P	00 39 35.9	+1.1
TARA	Tarawa	76.77 89	eP	P	00 39 36.3	+1.4
TARA	comp-Z,488nm,21.0s		LR	LR		
KFL	Annina	76.84 308	P	P	00 39 33.7	-1.7
SKO	Skopje	76.86 312	iP	P	00 39 34.4	-1.1
KRUS	Krusevo	76.92 312	iP	P	00 39 34.7	-1.2
NEST	Nestorio	76.94 311	P	P	00 39 34.0	-2.0
JAN	Janina	76.99 310	P	P	00 39 35.0	-1.2
JAN	Janina	76.99 310	P	P	00 39 35.0	-1.2
VLS	Valsamata	77.01 308	P	P	00 39 34.2	-2.0
VLS	Valsamata	77.01 308	P	P	00 39 34.3	-2.0
EVGI	Lefkada island	77.01 309	P	P	00 39 35.6	-0.7
LKD2	Lefkada island	77.03 309	P	P	00 39 34.5	-2.0
LKD2	Lefkada island	77.03 309	P	P	00 39 34.5	-2.0
FSK	Fiskardo	77.06 309	P	P	00 39 34.2	-2.4
VSU	Vasula	77.08 330	eP	P	00 39 35.6	-0.6
VSU	comp-Z,263nm,0.6s		PM	PM		
VSU	comp-Z,43um,20.0s		MLR	MLR		
MDVR	Moldovita	77.10 315	iP	P	00 39 36.7	-0.1
TRPA	Tarpa	77.11 319	iP	P	00 39 37.5	+0.8
TRPA	Tarpa	77.11 319	eP	P	00 39 37.1	+0.4
KBN	Korca	77.16 311	P	P	00 39 34.2	-3.1
KBN	Korca	77.16 311	P	P	00 39 34.2	-3.1
OHR	Ohrid	77.22 311	P	P	00 39 36.2	-1.3
OHR	Ohrid	77.22 311	P	P	00 39 37.6	+0.1
KWP	Kalvaria Pacla	77.28 320	eP	P	00 39 37.9	+0.2
KWP			LMZ	LR	01 18 47.4	
KWP	comp-Z,11um,21.8s	77.28 320	eP	P	00 39 37.7	0.0
KWP	comp-Z,3um,1.3s	77.28 320	eP	P	00 39 37.9	+0.2
KWP	Kalvaria Pacla	77.28 320	eP	P	00 49 23.3	-2.5
KWP			MLR	MLR		
UZH	Uzhgorod	77.36 319	P	P	00 39 38.0	-0.1
UZH	Igoumenitsa	77.37 310	P	P	00 39 42.0	-2.6
IGT	Igoumenitsa	77.37 310	P	P	00 39 36.6	-2.0
IGT	Igoumenitsa	77.37 310	P	P	00 39 36.4	-2.0
SGD	Sagiada	77.46 310	P	P	00 39 37.1	-1.7
PHP	Peshkopia	77.56 312	P	P	00 39 37.3	-2.2
PHP	Peshkopia	77.56 312	P	P	00 39 37.3	-2.2
PHP	Peshkopia	77.56 312	P	P	00 39 37.3	-2.2
BANR	Banloc	77.60 316	iP	P	00 39 39.5	+0.1
SRN	Sarande	77.67 310	P	P	00 39 38.0	-2.0
SRN	Sarande	77.67 310	P	P	00 39 38.0	-2.0
KEK	Kerkira	77.80 310	P	P	00 39 39.0	-1.8
KEK	Kerkira	77.80 310	P	P	00 39 39.0	-1.8
SUW	Suwalki	77.89 325	eP	P	00 49 27.1	-5.0
SUW			LMZ	LR	01 18 44.5	
SUW	comp-Z,13um,21.3s	77.89 325	eP	P	00 39 40.4	-0.5
SUW	comp-Z,615nm,1.0s	77.89 325	eP	P	00 39 40.4	-0.5
SUW	Suwalki	77.89 325	eP	P	00 39 40.4	-0.5
SUW			PM	PM		
CRVS	Cervenica-Dubn	77.95 319	eP	P	00 39 41.5	+0.1
CRVS			PM	PM		
CRVS	comp-Z,625nm,2.0s	77.95 319	eP	P	00 39 41.5	+0.1
CRVS	Cervenica-Dubn	77.95 319	eP	P	00 39 41.5	+0.1
CRVS			eS	L	00 49 28.3	-4.8
CRVS			eL	L	01 19 54.1	
PVY	Plav	78.04 313	eP	P	00 49 40.9	-1.9
IVA	Berane	78.12 313	iP	P	00 49 40.8	-1.8
DIVS	Divibare	78.22 314	eP	P	00 49 43.3	+0.2
FIAT	FINES Array S	78.24 333	eP	P	00 39 42.4	-0.3
FINES	FINES Array B	78.24 333	eP	P	00 39 41.8	-0.9
FINES	comp-Z,75nm,0.7s,baz=48,slow=8.9,SNR=126		S	S	00 49 32.7	-2.9
FINES	comp-Z,2.1nm,0.9s,baz=117,slow=2.8,SNR=2		LR	LR	01 18 44.6	
FINES	comp-Z,29um,21.9s,baz=113,slow=59		LR	LR		
FINES	FINES Array B	78.24 333	iP	P	00 39 42.2	-0.5
FINES			PM	PM		
MSF	Maaseilka	78.39 337	eP	P	00 39 43.6	+0.1
MSF			PM	PM		

KOME	Kolasin	78.40 313	iP	P	00 39 42.8	-1.3
ULC	Ulcinj	78.49 312	iP	P	00 39 42.4	-2.1
KECS	Kecovo	78.52 319	eP	P	00 39 44.9	+0.3
KECS	comp-Z,50nm,1.0s		PM	PM		
KECS	Kecovo	78.52 319	eP	P	00 39 44.9	+0.3
PDG	Podgorica	78.53 313	iP	P	00 39 44.4	-0.3
PDG	Podgorica	78.53 313	iP	P	00 39 42.8	-1.9
TTG	Podgorica	78.53 313	iP	P	00 39 42.8	-1.9
TTG	comp-Z,66nm,0.7s	78.53 313	eP	P	00 39 43.3	-1.4
TTG	Podgorica	78.53 313	eP	P	00 39 43.3	-1.4
TTG			PM	PM		
PLE	Pljevlja	78.55 314	iP	P	00 39 44.1	-0.9
DRME	Dracevica, Mon	78.56 312	iP	P	00 39 43.5	-1.4
DCZ	Deep Cove	78.59 137	eP	P	00 39 47.0	+1.5
NKY	Niksic	78.77 313	iP	P	00 39 44.9	-1.3
BUM	Brajici-Budva	78.79 312	iP	P	00 39 44.6	-1.6
NIE	Nedzica	78.79 320	eP	P	00 39 46.4	+0.3
NIE			LMZ	LR	01 17 43.1	
NIE	comp-Z,9um,22.6s	78.79 320	eP	P	00 39 46.4	+0.3
NIE	Niedzica	78.79 320	eP	P	00 49 40.9	-1.2
NIE			MLR	MLR		
NIE	comp-Z,9um,22.6s	78.80 313	iP	P	00 39 44.5	-1.8
CEVO	Cevo	78.80 313	iP	P	00 39 44.7	-1.6
PSZ	Piszkesteto	78.83 318	iP	P	00 39 47.0	+0.7
PSZ	Piszkesteto	78.83 318	eP	P	00 39 46.2	-0.1
PSZ	Piszkesteto	78.83 318	eP	P	00 39 46.2	-0.1
PSZ	comp-Z,159nm,0.9s	78.83 318	eP	P	00 39 46.2	-0.1
PSZ	Piszkesteto	78.83 318	eP	P	00 39 46.2	-0.1
PSZ			PM	PM		
UPM	Unac-Piva	78.88 313	iP	P	00 39 45.3	-1.6
BEL	Beisk	78.89 322	eP	P	00 39 46.8	+0.3
BEL			LMZ	LR	01 19 20.6	
BEL	Beisk	78.89 322	eP	P	00 39 46.8	+0.3
BEL			MLR	MLR	00 49 40.1	-2.8
BEL	comp-Z,16um,21.7s	79.03 236	eP	P	00 39 49.2	+1.3
SUR	Sutherland	79.03 236	eP	P	00 39 49.2	+1.3
SUR	comp-Z,189nm,1.1s		LR	LR		
SUR	Sutherland	79.03 236	eP	P	00 39 54.9	+6.9
HCY	Herczeg Novi	79.10 313	iP	P	00 39 46.2	-1.6
HCY			LMZ	LR	01 17 51.0	
BJG	Bratogost	79.11 313	iP	P	00 39 48.2	-0.2
OJC	Ojcow	79.24 321	eP	P	00 49 44.5	-2.3
OJC			LMZ	LR	01 17 51.0	
OJC	Ojcow	79.24 321	eP	P	00 39 49.0	+0.5
OJC	comp-Z,107nm,1.0s	79.24 321	eP	P	00 39 48.3	-0.2
OJC	Ojcow	79.24 321	eP	P	00 49 44.5	-2.3
OJC			MLR	MLR		
LANS	Liptovska Anna	79.29 319	eP	P	00 39 49.4	+0.6
LANS	Liptovska Anna	79.29 319	eP	P	00 39 49.4	+0.6
MLZ	Mavora Lakes	79.32 137	eP	P	00 39 50.8	+1.8
BUD	Budapest	79.35 318	iP	P	00 39 48.7	-0.4
BUD	Budapest	79.35 318	eP	P	00 39 50.1	+1.0
BUD			PM	PM		
OUL	Oulu	79.37 336	P	P	00 39 49.2	+0.4
OUL	comp-Z,63nm,1.7s		PM	PM		
MORH	M'rt'ig'y, Hung	79.44 316	iP	P	00 39 48.9	-0.7
YYHS	Yyhne	79.61 319	eP	P	00 39 50.3	-0.2
YYHS	comp-Z,97nm,1.4s	79.61 319	eP	P	00 39 50.3	-0.2
YYHS	Yyhne	79.61 319	eP	P	00 39 50.3	-0.2
YYHS			eS	S	00 49 49.3	-1.5
YYHS			eL	L	01 20 58.6	
CGLI	Ceglie Messapi	79.67 311	eP	P	00 39 52.6	+1.6
FASA	Fasano	79.78 311	eP	P	00 39 51.6	0.0
TAR1	Taranto	79.80 311	eP	P	00 39 50.9	-0.8
CSWK	Ces'kako	79.85 318	eP	P	00	

BRG	comp-Z,215nm,1.9s	i	PCP	PcP	00 40 14.7 +1.4
BRG		PP	PP	PP	00 43 15.0 -4.5
BRG		S	S	S	00 50 25.0 -1.1
BRG		SS	SS	SS	00 55 41.0 -9.0
BRG	comp-N,13um,17.7s				
BRG	comp-E,9um,20.8s				
BRG	comp-Z,10um,19.4s				
BRG	Berggiesshubel	83.02 321	eP	P	00 40 08.3 -0.3
BRG		i			00 40 14.6
BRG					00 43 15.0
BRG					00 50 25.0 -1.1
BRG	comp-Z,214nm,1.8s		S	S	
BRG	comp-E,10um,20.8s		S	S	
BRG			MLR	MLR	
BRG			MLR	MLR	
BRG	comp-Z,9um,19.4s				
GEAD	GERESS Array S	83.03 319	eP	P	00 40 07.7 -1.1
GEAD	GERESS Array S	83.03 319	eP	P	00 40 08.9 +0.1
GERES	GERESS Array B	83.03 319	eP	P	00 40 08.6 -0.2
GERES	comp-Z,39nm,0.8s,baz=94,slow=3.3,SNR=145		S	S	00 50 24.9 -1.5
GERES	comp-Z,0.5nm,0.8s,baz=101,slow=11,SNR=3.3		LR	LR	01 20 58.2
TRO	comp-Z,7um,21.1s,baz=82,slow=38				
TRO	Tromso	83.10 340	eP	P	00 40 08.3 -0.2
TRO			IVmB_BB	IVmB_BB	00 40 12.9
TRO	comp-Z,1um,1.0s				
TRO			IVMs_BB	IVMs_BB	01 22 23.2
KHC	Kasperske Hory	83.13 319	eP	P	00 40 09.8 +0.6
KHC			ex	x	00 43 28.6
KHC			eS	S	00 50 26.0 -1.4
KHC			AMS	AMS	01 26 20.0
KHC	comp-Z,11um,19.0s				
KHC	Kasperske Hory	83.13 319	eP	P	00 40 08.2 -1.1
KHC			e	e	00 40 09.8 +0.6
KHC			eS	S	00 43 28.6
KHC			eS	S	00 50 26.0 -1.4
KHC			MLR	MLR	
KBA	Koelbreinspre	83.16 317	eP	P	00 40 08.4 -1.2
KBA			P	P	00 40 09.8 +0.2
KBA			Pmax	Pmax	
SNZO	South Karori	83.17 132	PFAKE	LR	00 40 20.0 +1.1
SNZO			LR	LR	
FUNA	Funafuti	83.56 99	PFAKE	LR	00 40 20.0 +8.0
FUNA			LR	LR	
WET	Wetzell	83.59 119	P	P	00 40 11.8 +0.2
WET			Pmax	Pmax	
CLL	Collim	83.65 321	iP	P	00 40 11.0 -0.8
CLL			i	i	00 40 16.0
CLL			iS	iS	00 40 21.6 +0.7
CLL			e	e	00 40 28.5
CLL			e	e	00 40 41.0
CLL			ePP	ePP	00 43 27.0 +2.4
CLL	comp-Z,46nm,1.3s				
CLL			ePPP	ePPP	00 45 24.0
CLL			ePPPP	ePPPP	00 46 48.0
CLL			eS	eS	00 50 31.0 -1.3
CLL			ePPS	ePPS	00 51 48.0
CLL			eSS	eSS	00 56 04.0 +4.9
CLL			eSSS	eSSS	00 59 31.0
CLL			eSSSS	eSSSS	01 02 15.0
CLL			LmV	LmV	01 25 00.0
CLL	comp-Z,12um,21.3s				
CLL	Collim	83.65 321	iP	P	01 26 00.0
CLL			i	i	00 40 11.3 -0.4
CLL	comp-Z,77nm,1.2s				
CLL	Collim	83.65 321	iP	P	00 40 11.0 -0.8
CLL			i	i	00 40 21.6
CLL			i	i	00 40 28.5
CLL			eS	eS	00 50 31.0 -1.3
CLL			Pmax	Pmax	
CLL	comp-Z,7.0nm,1.5s				
CLL			MLR	MLR	
RGN	Ruger	83.68 324	eP	P	00 40 13.3 +1.5
RGN			P	P	00 40 11.3 -1.0
ABTA	Abfaltersbach	83.71 317	eP	P	00 43 35.8 +8.8
ABTA			eS	eS	00 50 36.5 +1.1
ABTA			AMS	AMS	01 23 50.0
NKC	Novy Kostel	83.93 320	ePP	PP	00 40 14.1 +0.8
NKC			eS	eS	00 40 11.8 -1.3
NKC			AMS	AMS	00 43 24.5 -2.3
NKC	comp-Z,12um,21.7s				
NKC	Novy Kostel	83.93 320	P	P	00 40 14.1 +0.8
NKC	HFS	83.95 330	P	P	00 40 11.8 -1.3
NKC			P	P	00 43 24.5 -2.3
HFS	comp-Z,38nm,1.0s,baz=91,slow=8.6,SNR=5.2				
HFS			LR	LR	01 22 46.8
BJO	Gjornoya	84.17 345	eP	P	00 40 13.8 +0.8
STEI	Steigen	84.14 338	eP	P	00 40 14.1 +0.2
STEI			IVmB_BB	IVmB_BB	00 40 16.3
BKZ	Black Stump Fm	84.19 130	eP	P	00 40 14.9 0.0
MOR8	Moi Rana	84.24 336	eP	P	00 40 14.7 +0.2
MOR8			IVmB_BB	IVmB_BB	00 40 20.5
COP	Copenhagen	84.27 326	iP	P	00 40 15.0 +0.2
COP			i	i	00 40 36.4
COP			Pmax	Pmax	00 40 15.0 +0.2
COP			Pmax	Pmax	
WTTA	Wattenberg	84.33 317	iP	P	00 40 14.5 -1.1
WTTA			i	i	00 40 15.1 -0.6
WTTA			P	P	00 40 17.8 +0.6
GR1	Grafenberg Arr	84.47 319	P	P	00 40 16.7 +0.6
MOX	Moxa	84.48 320	P	P	00 40 16.4 +0.3
MOX			Pmax	Pmax	
URZ	Urewera	84.55 129	P	P	00 40 15.0 -1.6
URZ			P	P	00 40 16.7 +0.1
URZ			P	P	00 40 17.9 +1.1
FUR	Furstenfeldbru	84.61 318	P	P	00 40 17.9 +1.1
FUR			Pmax	Pmax	
MOTA	Moosalm	84.69 317	eP	P	00 40 16.2 -1.2
GRF	Grafenberg Arr	84.70 319	P	P	00 40 18.0 +0.8
GRF			Pmax	Pmax	
GRFO	Grafenberg	84.70 319	eP	P	00 40 17.8 +0.6
GRFO			Pmax	Pmax	
GRFO			Pmax	Pmax	
LOF	Lofoten	84.80 338	eP	P	00 40 17.7 +0.5
LOF			IVmS	IVmS	00 40 18.6 -2.0
LOF			IVmS	IVmS	01 21 38.2
KONS	Konsvik	84.80 336	eP	P	00 40 18.6 +1.3
KONS			IVmB_BB	IVmB_BB	00 40 20.3
RETA	Reutte	84.93 317	eP	P	00 40 17.6 -0.8
FETA	Feichten	84.94 317	eP	P	00 40 18.1 -0.6
NC405	NORSAR Array S	85.00 331	eP	P	00 40 18.9 +0.4
NC502	NORSAR Array S	85.06 331	eP	P	00 40 18.5 -0.1
VLC	Willacollmand	85.11 314	eP	P	00 40 19.2 -0.2
NSS	Namsos	85.12 334	eP	P	00 40 18.2 -0.7
NSS			IVmB_BB	IVmB_BB	00 40 19.8
STRU	Stromstad	85.15 329	eP	P	00 40 20.5 +1.3
NC303	NORSAR Array S	85.17 331	eP	P	00 40 19.7 +0.4
NB201	NORSAR Array S	85.20 331	eP	P	00 40 19.8 +0.3
NB2	NORSAR Subarra	85.24 331	P	P	00 40 19.1 -0.6
NB2			P	P	00 40 19.1 -0.6

NOA	NORSAR Array B	85.24 331	P	P	00 40 18.5 -1.2
NOA			P	P	00 43 39.4 +2.0
NOA	comp-Z,24nm,0.9s,baz=98,slow=5.4,SNR=57		PP	PP	01 21 31.3
NOA	comp-Z,6.7nm,0.9s,baz=85,slow=8.9,SNR=3.6		LR	LR	00 01 21.3
FUORN	Openpass-Fuorn	85.25 316	eP	P	00 40 20.8 +0.5
FUORN			S	S	00 50 51.1 +2.0
HSPB	Hornsund (broa)	85.33 347	eS	P	00 40 19.6 -0.2
HSPB			eS	eS	00 43 40.8
HSPB			eSS	eSS	00 50 46.8 -1.5
HSPB			eSSS	eSSS	00 55 30.6 +7.7
HSPB			IVmB_BB	IVmB_BB	00 40 19.5 +0.5
HSPB	Hornsund (broa)	85.33 347	iP	P	00 40 20.6 +0.7
SPA0	Spitsbergen Arr	85.34 348	eP	P	00 40 19.0 -0.8
SPA0	Spitsbergen Arr	85.34 348	eP	P	00 40 31.5
SPA0			IVmB_BB	IVmB_BB	01 22 54.7
SPA0	comp-Z,15um,21.2s				
SPA0			IVMs_BB	IVMs_BB	01 22 54.7
SPITS	Spitsbergen Arr	85.34 348	P	P	00 40 19.1 -0.8
SPITS	comp-Z,34nm,0.6s,baz=110,slow=8.3,SNR=16		PP	PP	00 43 42.3 +4.5
SPITS	comp-Z,29nm,1.0s,baz=110,slow=12,SNR=3.2		LR	LR	01 23 36.2
SPITS			LR	LR	01 23 36.2
NAO01	NORSAR Array S	85.39 331	eP	P	00 40 20.8 +0.4
NAO01	NORSAR Array S	85.39 331	eP	P	00 40 20.2 -0.2
NAO01			IVmB_BB	IVmB_BB	00 40 32.8
NAO01	comp-Z,8um,2.9s				
NAO01			IVMs_BB	IVMs_BB	01 21 37.1
OSL	Oslo	85.43 330	eP	P	00 40 21.5 +1.0
OSL			IVmB_BB	IVmB_BB	00 40 21.6
OSL	comp-Z,3um,2.3s				
OSL			PcP	PcP	00 40 23.2 -0.3
OSL			P	P	00 40 21.1 +0.4
OSL			P	P	00 40 21.4 +0.5
OSL			P	P	00 40 21.2 -0.4
OSL			S	S	00 50 46.4 -5.2
OSL			LR	LR	01 26 40.4
OSL	comp-Z,7um,18.7s,baz=68,slow=41				
OSL	Damuels	85.52 317	eP	P	00 40 21.0 -0.6
OSL			P	P	00 40 30.0 +7.4
MIDW	Midway	85.70 62	PFAKE	LR	00 40 23.1 +0.7
MIDW			LR	LR	00 40 23.9 +0.6
TBLU	Trondheim	85.80 333	eP	P	00 40 23.1 +0.7
KEST	Kesra	85.85 305	eP	P	00 40 24.9 +0.6
KEST	comp-Z,43nm,0.8s,baz=22,slow=0.5,SNR=36		S	S	00 50 48.2 -6.9
KEST	comp-Z,2.0nm,0.8s,baz=105,slow=12,SNR=2.1		LR	LR	01 23 28.0
KEST	comp-Z,8um,19.1s,baz=46,slow=39				
KEST	Kesra	85.85 305	eP	P	00 40 24.9 +1.6
KEST			S	S	00 50 48.2 -6.9
KEST			S	S	00 40 23.7 +0.3
TUE	Stuetta	85.88 316	eP	P	00 50 55.6 +0.3
TUE			eS	eS	00 40 24.0 +0.7
KONO	Kongsberg	85.98 329	eP	P	00 40 23.0 -0.3
KONO			Pmax	Pmax	00 40 23.1 -0.3
KONO			Pmax	Pmax	00 40 30.2
KONO	comp-Z,248nm,1.7s				
KONO	Kongsberg	85.98 329	iP	P	00 40 23.1 -0.3
KONO			IVmB_BB	IVmB_BB	00 40 30.2
STU	Stuttgart	86.00 319	eP	P	00 40 23.5 -0.2
STU	Stuttgart	86.00 319	eP	P	00 40 23.5 -0.2
STU			Pmax	Pmax	
STU	comp-Z,54nm,0.7s				
STU	PGF	86.11 312	P	P	00 40 24.7 +0.2
MUD	Monsted U'grnd	86.13 326	iP	P	00 40 24.6 +0.5
MUD			P	P	00 40 24.6 +0.5
MUD	Monsted U'grnd	86.13 326	iP	P	00 40 24.6 +0.5
MUD			Pmax	Pmax	
DOMB	Dombas	86.31 332	eP	P	00 40 25.3 +0.3
DOMB			IVmBB	IVmBB	00 40 26.0
KBS	Kingsbay	86.31 349	eP	P	00 40 24.7 +0.1
KBS			LR	LR	
KBS	comp-Z,28um,19.0s				
KBS	Kingsbay	86.31 349	eP	P	00 40 24.7 +0.1
KBS			Pmax	Pmax	
KBS			MLR	MLR	
KBS	comp-Z,28um,19.0s				
KBS	Kingsbay	86.31 349	eP	P	00 40 24.0 -0.6
KBS			IVmB_BB	IVmB_BB	00 40 25.1
KBS			IVmS	IVmS	01 23 48.5
KBS	comp-Z,8um,18.6s				
KBS	Thala	86.39 305	eP	P	00 40 27.7 +1.7
KBS			P	P	00 40 26.7 +0.6
THTN	Schleiheim	86.47 318	P	P	00 40 26.7 +0.6
SLE			Pmax	Pmax	
HOMB	Hornborsund	86.52 328	eP	P	00 40 26.5 +0.5
HOMB			IVmBB	IVmBB	00 40 27.2
BFO	Black Forest	86.58 318	eP	P	00 40 26.8 +0.2
BFO			LR	LR	
BFO	comp-Z,374nm,20.0s				
BFO	Black Forest	86.58 318	iP	P	00 40 26.6 0.0
LANF	Langenberg	86.92 319	P	P	00 40 28.1 -0.1
MOL	Molden	87.02 332	eP	P	00 40 29.6 +1.2
SAOF	Saorge	87.15 314	P	P	00 40 30.1 +0.6
SAOF			Pmax	Pmax	
SNART	Snartemo	87.20 328	eP	P	00 40 31.2 +1.9
SNART			IVmB_BB	IVmB_BB	00 40 36.0
SNART	comp-Z,574nm,1.9s				
SNART			IVmS	IVmS	01 24 20.6
SNART	comp-Z,4um,20.6s				
SNART			IVmS	IVmS	01 29 14.0

LTY	Liberty	120.78	28	ePKPdf	PKPdf	00 46 35.8 +0.2
G03D	McMinville, O	120.91	32	P	PKPdf	00 46 35.5 -0.3
SCHO	Schefferville	121.03	349	PKP	PKPdf	00 46 36.4 +0.6
SCHO	comp-Z,17nm,0.7s,baz=4.7,slow=4.3,SNR=4.8			PP	PP	00 48 05.9 +1.6
SCHO	comp-Z,22nm,1.0s,baz=26.3,slow=6.0,SNR=5.8			PKPdf	PKPdf	00 46 37.5 +1.8
SCHO	comp-Z,22nm,1.0s,baz=26.3,slow=6.0,SNR=5.8			PKP	PKP	00 48 05.9 +1.6
C08A	Chrisman Ranch	121.48	27	ePKPdf	PKPdf	00 46 37.9 +1.0
D08A	Wollman Farm,	121.74	27	ePKPdf	PKPdf	00 46 38.0 +0.7
H04A	Detroit Lake,	121.83	31	ePKPdf	PKPdf	00 46 38.5 +0.9
I03D	Drain, OR	121.88	33	P	PKPdf	00 46 37.9 +0.3
G05D	Wami, OR	121.89	30	P	PKPdf	00 46 37.8 +0.1
HAWA	Hanford	121.94	28	ePKPdf	PKPdf	00 46 38.7 +1.0
HAWA	Dider Farm, El	122.09	28	ePKPdf	PKPdf	00 46 39.1 +1.2
E08A	Carlson Farm,	122.23	30	ePKPdf	PKPdf	00 46 39.2 +0.8
G06A	Tendick Farm,	122.32	32	P	PKPdf	00 46 38.2 -0.4
I04A	baz=313,SNR=12					
WALA	Waterdon Lakes	122.32	23	ePKPdf	PKPdf	00 46 39.6 +1.1
E08A	Wood Farm, Sta	122.33	24	ePKPdf	PKPdf	00 46 39.7 +1.0
I05D	Terrebonne, OR	122.50	31	P	PKPdf	00 46 38.3 +0.7
L02D	Cave Junction,	122.75	34	P	PKPdf	00 46 39.2 -0.2
HUMO	Hull Mountain	122.81	34	ePKPdf	PKPdf	00 46 40.7 +1.2
J04D	Uppaqua Nationa	122.85	33	PKP	PKPdf	00 46 39.1 -0.8
G08A	Pilot Rock	123.02	29	ePKPdf	PKPdf	00 46 40.8 +0.8
PINE	Pine Mountain	123.09	31	ePKPdf	PKPdf	00 46 41.7 +1.4
JTMT	Jette	123.23	24	ePKPdf	PKPdf	00 46 40.8 +0.5
J05D	Fort Rock, OR	123.29	32	P	PKPdf	00 46 40.6 0.0
F10A	Beach Ranch, E	123.33	27	ePKPdf	PKPdf	00 46 40.9 +0.4
K04D	Chiloquin, OR	123.46	33	P	PKPdf	00 46 40.6 -0.3
KHMM	Grey Mountain	123.50	36	ePKPdf	PKPdf	00 46 43.0 +1.9
YBH	Yreka Blue Hor	123.53	34	PKP	PKPdf	00 46 41.1 0.0
YBH	comp-Z,5.9nm,0.7s,baz=9.0,slow=2.4,SNR=10.0			PP	PP	00 48 23.5 +1.4
YBH	comp-Z,2.9nm,0.8s,baz=281,slow=19,SNR=1.5			PKPdf	PKPdf	00 46 42.3 +1.2
YBH	Yreka Blue Hor	123.53	34	ePKPdf	PKPdf	00 48 23.5 +1.4
Y07A	Izee	123.62	30	ePKPdf	PKPdf	00 46 42.4 +1.2
MOZC	Callahan	123.67	35	P	PKPdf	00 46 41.7 +0.4
T02E	comp-Z,31,SNR=18					
TAOE	Nuku Hiva Isla	123.73	99	ePP	PP	00 48 14.4 -1.1
TAOE	comp-Z,2,um,25.6s					
TAOE	Nuku Hiva Isla	123.73	99	ePS	PS	00 58 22.3 -1.1
TAOE	comp-Z,3,um,26.9s					
TAOE	comp-Z,8,um,27.3s					
TAOE	Nuku Hiva Isla	123.73	99	eLR	LR	01 25 15.4
K05A	Sumner Lake	123.86	32	ePKPdf	PKPdf	00 46 43.1 +1.3
KMRM	Mall Ridge	123.93	36	ePKPdf	PKPdf	00 46 43.9 +2.0
M04C	Macdoel	123.98	34	P	PKPdf	00 46 41.7 -0.3
N02D	Trinity Center	124.03	35	P	PKPdf	00 46 41.9 -0.1
MSO	Missoula	124.10	25	P	PKPdf	00 46 41.4 -0.6
MSO	Missoula	124.10	25	ePKPdf	PKPdf	00 46 41.9 -0.2
BMO	Blue Mountains	124.13	28	ePKPdf	PKPdf	00 48 25.3 -0.6
BMO	Blue Mountains	124.13	28	ePKP	PKPdf	00 46 41.8 -0.3
BMO	Blue Mountains	124.13	28	ePKP	PKPdf	00 46 41.8 -0.3
WDC	Whiskeytown Da	124.38	35	ePKPdf	PKPdf	00 46 43.5 +0.9
WDC	Whiskeytown Da	124.38	35	ePKP	PKPdf	00 46 43.5 +0.9
J06A	Circle Bar Ran	124.65	30	ePKPdf	PKPdf	00 46 44.2 +1.0
EGMT	Eagleton	124.73	21	P	PKPdf	00 46 42.8 -0.3
EGMT	Eagleton	124.73	21	ePKPdf	PKPdf	00 46 43.6 +0.5
MOD	Modoc Plateau	124.74	33	ePKPdf	PKPdf	00 46 44.5 +1.1
O03D	Paynes Creek	125.00	35	P	PKPdf	00 46 43.4 -0.5
HRV	Holter Researc	125.05	23	ePKPdf	PKPdf	00 46 44.3 +0.5
H0PS	Hopland Field	125.09	37	ePKPdf	PKPdf	00 46 44.2 +1.0
WVOR	Wild Horse Val	125.25	31	ePKPdf	PKPdf	00 46 44.6 +0.2
WVOR	Wild Horse Val	125.25	31	ePKP	PKPdf	00 46 44.6 +0.2
WVOR	Wild Horse Val	125.25	31	ePKP	PKPdf	00 46 44.6 +0.2
LRM	Limekiln Ridge	125.52	24	ePKPpre	PKPpre	00 46 35.5
LRM	Limekiln Ridge	125.52	24	ePKP	PKP	00 46 45.1 -0.2
ORV	Oroville	125.66	36	ePKPdf	PKPdf	00 46 47.0 +1.9
DLMT	Dillon	125.83	25	ePKPdf	PKPdf	00 46 46.2 +0.9
MFID	Gasmas Ranch	125.82	28	ePKPdf	PKPdf	00 46 48.2 +0.2
BOZ	Bozeman (W)	126.04	24	P	PKPdf	00 46 45.1 -0.7
BOZ	Bozeman (W)	126.04	24	ePKPdf	PKPdf	00 46 46.5 +0.7
BOZ	Bozeman (W)	126.04	24	ePKP	PKPdf	00 46 45.5 -0.2
BEKR	Beckworth	126.10	34	ePKPdf	PKPdf	00 46 47.0 +0.8
DGMT	Dagmar	126.12	17	P	PKPdf	00 46 45.5 -0.2
DGMT	Dagmar	126.12	17	ePKP	PKP	00 46 46.5 +0.8
DGMT	Dagmar	126.12	17	ePKP	PKP	00 48 40.1 +1.3
MCMT	McKenzie Canyo	126.16	25	ePKPdf	PKPdf	00 46 47.0 +0.8
LCM	Lac du Bonnet	126.30	10	PKP	PKPdf	00 46 44.1 -1.9
ULM	comp-Z,42nm,0.8s,baz=351,slow=3.1,SNR=46					00 48 38.3 -1.7
ULM	comp-Z,16nm,0.8s,baz=315,slow=4.9,SNR=2.9					00 46 45.8 -0.2
ULM	Lac du Bonnet	126.33	10	ePKPdf	PKPdf	00 48 38.3 -1.7
ALFD	Forest Hills D	126.37	36	ePKPdf	PKPdf	00 46 47.3 +0.8
AFHM	Hailey	126.46	27	P	PKPdf	00 46 46.3 -0.5
HLID	Hailey	126.46	27	ePKPdf	PKPdf	00 46 47.8 +1.1
HLID	Hailey	126.46	27	ePKP	PKPdf	00 46 47.8 +1.1
RKT	comp-Z,15,um,22.0s					
RKT	Rikitea	126.55	117	ePP	PP	00 48 39.7 -3.6
RKT	comp-Z,848nm,24.5s					
RKT	Rikitea	126.55	117	ePS	PS	00 58 42.6 -4.9
RKT	comp-Z,4,um,26.2s					
RKT	comp-Z,9,um,29.8s					01 05 55.7 +8.6
RKT	Rikitea	126.55	117	eSS	SS	00 51 20.7 0.4
RKT	comp-Z,8,um,35.0s					01 26 34.0
EFI	East Falkland	126.55	200	FAKE	LR	00 47 00.0 +1.4
GMCT	GreyCliff	126.65	22	ePKP	PKP	00 46 47.7 +0.7
GLMT	Carthquake Lak	126.73	25	ePKPdf	PKPdf	00 46 48.7 +1.5
PNHR	Path Ridge Nat	126.76	34	ePKPdf	PKPdf	00 46 48.1 +0.8
VAHR	Vahine City	126.89	35	ePKPdf	PKPdf	00 46 49.1 +1.4
YHB	Horse Butte	126.91	24	ePKPdf	PKPdf	00 46 49.9 +2.3
PNTR	Pine Nut	127.06	35	ePKPdf	PKPdf	00 46 49.4 +1.3
LAO	LASA Array	127.09	19	P	PKPdf	00 46 47.9 +0.3
LAO	LASA Array	127.09	19	ePKPdf	PKPdf	00 46 48.6 +0.9
CMB	comp-Z,21,um,21.0s					
YERR	Columbia Colle	127.32	36	ePKPdf	PKPdf	00 46 48.9 +0.6
YERR	Yerington	127.34	35	ePKPdf	PKPdf	00 46 49.8 +1.2
RLMT	Red Lodge	127.36	22	P	PKPdf	00 46 48.6 +0.1
RLMT	Red Lodge	127.36	22	ePKP	PKP	00 46 48.8 +0.4
RLMT	Red Lodge	127.36	22	ePKP	PKP	00 48 46.7 -0.7
B7N	Battle Mountai	127.42	32	ePKPdf	PKPdf	00 46 48.4 -0.2
H17A	Grant Village	127.45	24	P	PKPdf	00 46 50.2 +1.5
SAO	San Andreas Ge	127.50	38	ePKPdf	PKPdf	00 46 51.4 +2.7
SAO	San Andreas Ge	127.50	38	PKP	PKP	00 46 51.3 +2.7
A33A	Warroad	127.68	10	P	PKPdf	00 46 48.1 -0.6
MDND	Madaddock	127.89	13	P	PKPdf	00 46 48.5 -0.6
MDND	Maddock	127.89	13	ePKPdf	PKPdf	00 46 49.9 +0.8
MOOV	Moose Ponds	127.92	25	ePKPdf	PKPdf	00 46 50.6 +1.0

KVN	Kaisererville	127.93	34	ePKPdf	PKPdf	00 46 50.8 +1.1
RYN	Ryan	127.99	34	ePKPdf	PKPdf	00 46 50.8 +1.1
LOHW	Long Hollow	128.09	25	ePKPdf	PKPdf	00 46 49.8 -0.1
SNOW	Snow King Moun	128.15	25	ePKPdf	PKPdf	00 46 51.4 +1.4
REDT	Red Top Meadow	128.19	25	ePKPdf	PKPdf	00 46 51.0 +0.9
AGM	Agassiz Nation	128.22	10	P	PKPdf	00 46 48.8 -0.9
AGM	Agassiz Nation	128.22	10	ePKPdf	PKPdf	00 46 49.5 -0.2
B34A	Aer-Baudette	128.24	9	P	PKPdf	00 46 48.8 -1.0
NV	Mina Array Bea	128.25	34	PKHkp	PKPpre	00 46 47.0
NVAR	comp-Z,6.8nm,1.0s,baz=244,slow=1.6,SNR=4.8					00 46 50.7 -0.3
NVAR	comp-Z,15nm,0.7s,baz=270,slow=2.4,SNR=4.7					00 48 54.1 +0.4
NVAR	comp-Z,3.1nm,0.9s,baz=285,slow=4.3,SNR=1.8					
NV11	Mina Array Sit	128.33	34	ePKPdf	PKPdf	00 46 51.7 +1.3
MINS	Minaret Summit	128.35	36	ePKPdf	PKPdf	00 46 51.0 +0.3
DDPS	Devils Postpil	128.35	36	ePKPdf	PKPdf	00 46 51.8 +1.1
OMMB	Old Mammoth Mi	128.41	36	ePKPdf	PKPdf	00 46 52.1 +1.3
B35A	Bob, Littlefor	128.50	8	P	PKPdf	00 46 49.5 -0.7
B35A	Bob, Littlefor	128.50	8	ePKPdf	PKPdf	00 46 50.3 +0.1
AHID	Auburn Hatcher	128.57	26	ePKPdf	PKPdf	00 46 51.2 +0.4
AHID	Auburn Hatcher	128.57	26	ePP	PP	00 48 56.5 +1.1
HVU	comp-Z,19,um,19.0s					
C33A	Trail	128.61	28	ePKPdf	PKPdf	00 46 53.0 +2.1
C33A	Trail	128.61	28	P	PKPdf	00 46 49.8 -0.9
PAGB	Antelope Grade	128.91	38	ePKPdf	PKPdf	00 46 53.0 +1.6
PQI	Presque Isle	128.95	346	ePKPdf	PKPdf	00 46 51.8 +0.7
C34A	RKJ Ranch, Bem	129.10	10	P	PKPdf	00 46 50.2 -1.0
C35A	Jirik Farms, M	129.11	9	P	PKPdf	00 46 50.4 -1.0
BYU	Big Grassy Mout	129.16	28	ePKPdf	PKPdf	00 46 52.8 +0.9
EGM	Ely	129.20	7	ePP	PP	00 46 51.1 -0.5
EYMN	Ely	129.20	7	ePP	PP	00 48 56.0 -2.9
BW06	Boulder Array	129.22	24	P	PKPdf	00 46 51.5 -0.6
BW06	Boulder Array	129.22	24	ePKPdf	PKPdf	00 46 51.7 -0.4
C36A	Pine Crest Far	129.22	8	P	PKPdf	00 46 51.1 -0.5
PD31	Pinedale Array	129.22	24	ePKPpre	PKPpre	00 46 43.6
PDAR	Pinedale Array	129.22	24	PKP	PKP	00 46 52.0 -0.1
PDAR	comp-Z,5.2nm,0.5s,baz=331,slow=1.1,SNR=39					00 48 59.7 +0.1
PDAR	comp-Z,2.0nm,0.8s,baz=298,slow=4.7,SNR=1.9					00 57 01.6 +3.0
PDAR	comp-Z,0.3nm,0.3s,baz=190,slow=2.6,SNR=6.0					00 46 40.8
PDAR	Pinedale Array	129.22	24	ePKPpre	PKPpre	00 46 52.0 -0.1
PDAR	Pinedale Array	129.22	24	PKP	PKP	00 48 59.7 +0.1
PDAR	Pinedale Array	129.22	24	PKP	PKP	00 57 01.6 +3.0
TIN	Tinemaha, Big	129.24	36	P	PKPdf	00 46 52.4 +0.3
HWUT	Hardware Ranch	129.30	27	ePKPdf	PKPdf	00 46 52.8 +0.6
HWUT	Hardware Ranch	129.30	27	ePP	PP	00 48 57.7 -2.5
C37A	Emparrass	129.33	7	P	PKPdf	00 46 51.3 -0.5
SMCM	Simmler	129.34	39	P	PKPdf	00 46 52.0 -0.3
C38A	Seavill Land.	129.45	6	P	PKPdf	00 46 51.3 -0.8
C40A	Isle Royale Na	129.46	5	P	PKPdf	00 46 51.5 -0.5
C40A	Isle Royale Na	129.46	5	ePKPdf	PKPdf	00 46 52.4 +0.3
VES	Vestal, Richar	129.55	37	P	PKPdf	00 46 51.8 -0.8
D35A	Remer	129.70	9	P	PKPdf	00 46 51.8 -0.8
PKM	Mepherson Peak	129.72	39	P	PKPdf	00 46 54.0 +0.7
D36A	Goodland	129.74	8	P	PKPdf	00 46 51.8 -0.8
D36A	Goodland	129.74	8	ePKPdf	PKPdf	00 46 53.4 +0.7
CWC	Cottonwood Cre	129.75	36	P	PKPdf	00 46 53.6 +0.4
TCUT	Toone Canyon	129.76	27	ePKPdf	PKPdf	00 46 54.6 +1.4
GRAC	Grapevine Rang	129.78	35	P	PKPdf	00 46 53.7 +0.6
R11A	Troy Canyon, C	129.81	33	P	PKPdf	00 46 53.7 +0.5
R11A	Troy Canyon, C	129.81	33	ePKPpre	PKPpre	00 46 43.8
DUG	Dugway, Tooele</					

25d Oh

Table with columns: ID, Name, Value, Status, and other details. Includes entries like PV17 East Wray Mesa, 141A Arkdale, 131A Arkdale, etc.

2012 JUL

Table with columns: ID, Name, Value, Status, and other details. Includes entries like ERPA Erie, M38A Pleasantville, K35A Keystone Cole, etc.

1250

Table with columns: ID, Name, Value, Status, and other details. Includes entries like Y22D IRIS PASSCAL I, Y22E IRIS PASSCAL I, Q37A Longview Farm, etc.

25d Oh

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PEL 553A, 552A, 555A, etc.

102 JUL

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like CMIG Matias Romero, CMIG, PB11, etc.

1252

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

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SNSI Sinabang, TPTI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZAA1 Zalesovo Array, BVAR Borovoye Array, ABKAR Akbulak array, etc.

IDC 25 00:46:49.8-1.5, 2.74N, 96.21E, h0km, mb3.7/9, mb1 3.7/9, mb1mx3.5/69, mbtmp3.7/9, Error ellipse: s-maj=49.2km s-min=19.3km az=54.0

ISCJB 25 00:46:50.3-0.8, 2.50N, 0.06:95.89E:0.05, h25km, mb3.8/9, Error ellipse: s-maj=8.9km s-min=6.9km az=29.3

DJA 25 00:46:51.4-0.8, 3.1N, 3.9E, h10km, M4.5/3, mb4.4/1, MLV4.5/3

ISC 25 00:46:52.7-0.9, 2.63N, 0.05:96.03E:0.08, h25km, Res

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SNSI Sinabang, Aceh, TPTI Tuntungan, MNSI Mandailing Nat, etc.

IDC 25 00:48:31.8-1.0, 2.54N, 96.05E, h0km, mb4.0/15, mb1 4.1/15, mb1mx3.8/65, mbtmp4.0/15, Error ellipse: s-maj=34.3km s-min=18.0km az=45.0

NEIC 25 00:48:34.4-4.2, 2.45N, 96.02E, h18km, 25km, mb4.4/8, Error ellipse: s-maj=12.6km s-min=6.1km az=57.0

DJA 25 00:48:36.7-0.6, 3.1N, 3.9E, h11km, 3km, M4.4/12, MLV4.4/12

ISC 25 00:48:39.1-1.6, 2.38N, 0.04:96.01E:0.05, h5km, 9km, n63, n1508/68, mb4.2/24, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SNSI Sinabang, Aceh, TPTI Tuntungan, MNSI Mandailing Nat, etc.

Bull 25 01:31:36.1, 36.87N, 140.84E, h108km, mb4.7/12, mb5.2/3

ISCJB 25 01:31:38.7-0.3, 36.78N, 0.03:140.55E:0.04, h115km, 1km, mb4.2/48, Error ellipse: s-maj=5.1km

IDC 25 01:31:40.0-0.5, 36.78N, 140.52E, h109km, 4km, mb3.8/24, mb1 3.9/28, mb1mx3.8/67, mbtmp4.1/28, Error ellipse: s-maj=8.8km s-min=7.4km az=144.0

NEIC 25 01:31:39.3-0.4, 36.78N, 140.59E, h103km, 4km, mb4.5/11, Error ellipse: s-maj=5.3km s-min=4.4km az=91.0

MOS 25 01:31:39.0-1.4, 37.00N, 140.51E, h113km, mb4.5/17, Error ellipse: s-maj=9.2km s-min=6.1km az=117.0

JMA 25 01:31:40.7-0.1, 36.79N, 140.49E, h105km, 1km, M4.0 Broadband fault plane solution: P waves. NP1: e=227.00000; 373.00000; -1.61.00000. NP2: e=345.00000; 834.00000; -147.00000. Principal axes: P1=227.00000; Az=236.00000; N1=Plg28.00000; P2=337.00000; P3=Plg53.00000; Azm172.00000;

JMA Fell II, J

ISC 25 01:31:39.0-0.4, 36.77N, 0.04:140.62E:0.05, h109km, 3km, h109km, pP-P, n138, o162/168, mb4.2/48, 3C-12D, Near east coast of Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURK Kurchatov, ZAA0 Zalesovo Array, ZALV Zalesovo Beam, etc.

IDC 25 00:59:46.4-3.9, 5.65S, 130.88E, h0km, mb3.7/1, mb1 3.5/3, mb1mx3.3/43, mbtmp3.3/3, ML3.2/2, Error ellipse: s-maj=295.1km s-min=31.6km az=72.0, Banda Sea

ISK 25 01:05:06.8, 38.68N, 43.30E, h5km, ML2.2/3 CSEM 25 01:05:07.8-0.2, 38.72N, 43.29E, h15km, ML2.2, Error ellipse: s-maj=5.8km s-min=4.0km az=114.0

ISCJB 25 01:05:08.2-0.6, 38.71N, 43.28E:0.05, h11km, 7km, Error ellipse: s-maj=7.7km s-min=4.5km az=33.0

DDA 25 01:05:08.3, 38.73N, 43.26E, h7km, ML2.5

ISC 25 01:05:07.8-1.6, 38.72N, 0.02:43.28E:0.03, h2km, 14km, n18, o090/31, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERVCIS-VAN, ERVU ERVCIS-VAN, etc.

ISK 25 01:21:23.3, 38.68N, 43.26E, h3km, 1km, ML2.2/4

ISCJB 25 01:21:24.7-0.6, 38.69N, 0.03:43.28E:0.07, h4km, 8km, Error ellipse: s-maj=8.7km s-min=4.8km az=10.4

DDA 25 01:21:24.4, 38.70N, 43.32E, h7km, ML2.6

CSEM 25 01:21:24.3-0.3, 38.68N, 43.26E, h2km, ML2.2, Error ellipse: s-maj=7.0km s-min=2.9km az=94.0

ISC 25 01:21:24.8-1.0, 38.68N, 0.03:43.27E:0.04, h9km, 9km, n18, o078/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERVCIS-VAN, ERVU ERVCIS-VAN, etc.

Bull 25 01:31:36.1, 36.87N, 140.84E, h108km, mb4.7/12, mb5.2/3

ISCJB 25 01:31:38.7-0.3, 36.78N, 0.03:140.55E:0.04, h115km, 1km, mb4.2/48, Error ellipse: s-maj=5.1km

IDC 25 01:31:40.0-0.5, 36.78N, 140.52E, h109km, 4km, mb3.8/24, mb1 3.9/28, mb1mx3.8/67, mbtmp4.1/28, Error ellipse: s-maj=8.8km s-min=7.4km az=144.0

NEIC 25 01:31:39.3-0.4, 36.78N, 140.59E, h103km, 4km, mb4.5/11, Error ellipse: s-maj=5.3km s-min=4.4km az=91.0

MOS 25 01:31:39.0-1.4, 37.00N, 140.51E, h113km, mb4.5/17, Error ellipse: s-maj=9.2km s-min=6.1km az=117.0

JMA 25 01:31:40.7-0.1, 36.79N, 140.49E, h105km, 1km, M4.0 Broadband fault plane solution: P waves. NP1: e=227.00000; 373.00000; -1.61.00000. NP2: e=345.00000; 834.00000; -147.00000. Principal axes: P1=227.00000; Az=236.00000; N1=Plg28.00000; P2=337.00000; P3=Plg53.00000; Azm172.00000;

JMA Fell II, J

ISC 25 01:31:39.0-0.4, 36.77N, 0.04:140.62E:0.05, h109km, 3km, h109km, pP-P, n138, o162/168, mb4.2/48, 3C-12D, Near east coast of Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHO Hitachi, JHO JHO, JFH Fukushimafurud, etc.

IDC 25 00:59:46.4-3.9, 5.65S, 130.88E, h0km, mb3.7/1, mb1 3.5/3, mb1mx3.3/43, mbtmp3.3/3, ML3.2/2, Error ellipse: s-maj=295.1km s-min=31.6km az=72.0, Banda Sea

ISK 25 01:05:06.8, 38.68N, 43.30E, h5km, ML2.2/3 CSEM 25 01:05:07.8-0.2, 38.72N, 43.29E, h15km, ML2.2, Error ellipse: s-maj=5.8km s-min=4.0km az=114.0

ISCJB 25 01:05:08.2-0.6, 38.71N, 43.28E:0.05, h11km, 7km, Error ellipse: s-maj=7.7km s-min=4.5km az=33.0

DDA 25 01:05:08.3, 38.73N, 43.26E, h7km, ML2.5

ISC 25 01:05:07.8-1.6, 38.72N, 0.02:43.28E:0.03, h2km, 14km, n18, o090/31, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERVCIS-VAN, ERVU ERVCIS-VAN, etc.

ISK 25 01:21:23.3, 38.68N, 43.26E, h3km, 1km, ML2.2/4

ISCJB 25 01:21:24.7-0.6, 38.69N, 0.03:43.28E:0.07, h4km, 8km, Error ellipse: s-maj=8.7km s-min=4.8km az=10.4

DDA 25 01:21:24.4, 38.70N, 43.32E, h7km, ML2.6

CSEM 25 01:21:24.3-0.3, 38.68N, 43.26E, h2km, ML2.2, Error ellipse: s-maj=7.0km s-min=2.9km az=94.0

ISC 25 01:21:24.8-1.0, 38.68N, 0.03:43.27E:0.04, h9km, 9km, n18, o078/28, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, ERVC ERVCIS-VAN, ERVU ERVCIS-VAN, etc.

Bull 25 01:31:36.1, 36.87N, 140.84E, h108km, mb4.7/12, mb5.2/3

ISCJB 25 01:31:38.7-0.3, 36.78N, 0.03:140.55E:0.04, h115km, 1km, mb4.2/48, Error ellipse: s-maj=5.1km

IDC 25 01:31:40.0-0.5, 36.78N, 140.52E, h109km, 4km, mb3.8/24, mb1 3.9/28, mb1mx3.8/67, mbtmp4.1/28, Error ellipse: s-maj=8.8km s-min=7.4km az=144.0

NEIC 25 01:31:39.3-0.4, 36.78N, 140.59E, h103km, 4km, mb4.5/11, Error ellipse: s-maj=5.3km s-min=4.4km az=91.0

MOS 25 01:31:39.0-1.4, 37.00N, 140.51E, h113km, mb4.5/17, Error ellipse: s-maj=9.2km s-min=6.1km az=117.0

JMA 25 01:31:40.7-0.1, 36.79N, 140.49E, h105km, 1km, M4.0 Broadband fault plane solution: P waves. NP1: e=227.00000; 373.00000; -1.61.00000. NP2: e=345.00000; 834.00000; -147.00000. Principal axes: P1=227.00000; Az=236.00000; N1=Plg28.00000; P2=337.00000; P3=Plg53.00000; Azm172.00000;

JMA Fell II, J

ISC 25 01:31:39.0-0.4, 36.77N, 0.04:140.62E:0.05, h109km, 3km, h109km, pP-P, n138, o162/168, mb4.2/48, 3C-12D, Near east coast of Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Yanaizu, Ashikaga, Matsushiro Arr, WAKE ISLAND Hy, etc.

MAN 25 01:05:56.5, 6.01N, 125.72E, h128km, mb4.4, ML3.2, MS3.0, 2C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Don Marcelino, General Santos, Mati, etc.

KRSC 25 02:05:23.3, 1.0, 49.77N, 156.76E, h16km, 12km, ML3.7, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Severo-Kuril's, Pauzhetka, Khodutka, Kamc, etc.

ISCJB 25 02:08:30.1, 0.4, 51.46N, 0.02, 16.18E, h0km, Error ellipse: s-maj=3.3km s-min=2.7km az=136.0

CSEM 25 02:08:31.7, 0.2, 51.47N, 16.14E, h2km, ML2.9/12, Mw2.4, Error ellipse: s-maj=3.7km s-min=2.9km az=81.0

UPP 25 02:08:36.7, 2.9, 51.68N, 15.67E, h10km, ML1.5, ISC 25 02:08:33.0, 0.5, 51.52N, 0.03, 16.00E, 0.03, h0km, n57, c256/100, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP, Upcie, DPC, etc.

MAN 25 02:18:42.3, 11.72N, 125.63E, h18km, mb4.3, ML3.1, MS2.9, 1D, Samar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Borongan, Palo, Catarman, Maasin, etc.

ISK 25 02:26:01.6, 37.53N, 36.26E, h8km, 2km, ML2.2/4, CSEM 25 02:26:02.6, 0.3, 37.54N, 36.26E, h0km, 5km, ML2.8, Error ellipse: s-maj=8.5km s-min=6.3km az=7.0

DDA 25 02:26:03.3, 37.53N, 36.26E, h7km, ML2.8, ISC 25 02:26:02.5, 1.3, 37.53N, 0.03, 36.28E, 0.03, h2km, 11km, n21, c1917/29, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Andir, KMRs, GAZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MODra-Piesok, Vyhne, Conrad Observa, etc.

ISCJB 25 02:10:59.2, 1.5, 32.64S, 0.05, 71.70W, 0.09, h16km, 10km, Error ellipse: s-maj=12.4km s-min=7.4km az=169.6

SJA 25 02:10:59.2, 2.9, 32.76S, 71.73W, h11km, 21km, ML2.8, MW3.0, GUC 25 02:11:00.5, 0.5, 32.57S, 71.40W, h34km, 2km, ML2.4, ISC 25 02:10:57.8, 1.9, 32.50S, 0.03, 71.51W, 0.09, h20km, 5km, n17, c1915/27, 1C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROCI, ROCH, PEL, etc.

MAN 25 02:18:42.3, 11.72N, 125.63E, h18km, mb4.3, ML3.1, MS2.9, 1D, Samar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Borongan, Palo, Catarman, Maasin, etc.

ISK 25 02:26:01.6, 37.53N, 36.26E, h8km, 2km, ML2.2/4, CSEM 25 02:26:02.6, 0.3, 37.54N, 36.26E, h0km, 5km, ML2.8, Error ellipse: s-maj=8.5km s-min=6.3km az=7.0

DDA 25 02:26:03.3, 37.53N, 36.26E, h7km, ML2.8, ISC 25 02:26:02.5, 1.3, 37.53N, 0.03, 36.28E, 0.03, h2km, 11km, n21, c1917/29, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROCI, ROCH, PEL, etc.

MAN 25 02:18:42.3, 11.72N, 125.63E, h18km, mb4.3, ML3.1, MS2.9, 1D, Samar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Borongan, Palo, Catarman, Maasin, etc.

ISK 25 02:26:01.6, 37.53N, 36.26E, h8km, 2km, ML2.2/4, CSEM 25 02:26:02.6, 0.3, 37.54N, 36.26E, h0km, 5km, ML2.8, Error ellipse: s-maj=8.5km s-min=6.3km az=7.0

DDA 25 02:26:03.3, 37.53N, 36.26E, h7km, ML2.8, ISC 25 02:26:02.5, 1.3, 37.53N, 0.03, 36.28E, 0.03, h2km, 11km, n21, c1917/29, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Andir, KMRs, GAZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAI, BNDI, MSAI, etc.

ISC 25 02:32:37.7, 0.8, 5.75S, 0.08, 128.2E, 0.1, h400km, n19, c1912/20, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAI, BNDI, MSAI, etc.

ISC 25 02:33:02.7, 2.8, 10.35N, 126.85E, h0km, mb4.0/5, mb1.4/0.5, mb1mx3.6/55, mbtmp4.0/5, Error ellipse: s-maj=192.1km s-min=67.0km az=61.0

MAN 25 02:33:07.8, 10.55N, 126.72E, h23km, mb4.5, ML3.3, ISC 25 02:33:10.5, 1.4, 10.58N, 0.08, 126.6E, 0.1, h44km, n16, c1912/14, mb4.1/5, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCPH, Borongan, Palo, Maasin, etc.

ISC 25 02:35:54.3, 0.2, 49.83N, 18.59E, h0km, 3km, ML2.4/3, Error ellipse: s-maj=1.8km s-min=1.1km az=165.0

CSEM 25 02:35:54.2, 0.2, 49.84N, 18.49E, h2km, 3km, ML3.0/14, Error ellipse: s-maj=5.3km s-min=3.4km az=14.0, ISC 25 02:35:53.5, 0.7, 49.86N, 0.02, 18.60E, 0.02, h0km, n54, c097/107, 5D, Czech and Slovak Republics

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

ISCJB 25 02:35:53.6, 0.3, 49.82N, 0.02, 18.48E, 0.03, h0km, Error ellipse: s-maj=3.0km s-min=2.3km az=6.6

IPEC 25 02:35:54.3, 0.2, 49.83N, 18.59E, h0km, 3km, ML2.4/3, Error ellipse: s-maj=1.8km s-min=1.1km az=165.0

CSEM 25 02:35:54.2, 0.2, 49.84N, 18.49E, h2km, 3km, ML3.0/14, Error ellipse: s-maj=5.3km s-min=3.4km az=14.0, ISC 25 02:35:53.5, 0.7, 49.86N, 0.02, 18.60E, 0.02, h0km, n54, c097/107, 5D, Czech and Slovak Republics

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

ISC 25 02:35:53.6, 0.3, 49.82N, 0.02, 18.48E, 0.03, h0km, Error ellipse: s-maj=3.0km s-min=2.3km az=6.6

IPEC 25 02:35:54.3, 0.2, 49.83N, 18.59E, h0km, 3km, ML2.4/3, Error ellipse: s-maj=1.8km s-min=1.1km az=165.0

CSEM 25 02:35:54.2, 0.2, 49.84N, 18.49E, h2km, 3km, ML3.0/14, Error ellipse: s-maj=5.3km s-min=3.4km az=14.0, ISC 25 02:35:53.5, 0.7, 49.86N, 0.02, 18.60E, 0.02, h0km, n54, c097/107, 5D, Czech and Slovak Republics

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRUC Moravsky, MODS Modra-Piesok, KSP Ksiaz, etc.

Table for JMA 25 02:43:30.5, 37.78N, 139.99E, h8km, 1km, M2.6, Eastern Honshu. Includes stations like JYAR Yonezawaaracadi, JFT Otama, etc.

Table for DJA 25 02:43:31.5, 0.8, 3N, 9.6E, h10km, M3.8/6, MLV3.8/6, Off west coast of northern Sumatra. Includes stations like SNSI Sinabang, Aceh, TPTI TPTI, etc.

Table for MEX 25 02:44:01.1, 0.6, 17.33N, 101.12W, h15km, MD3.7, Near coast of Guerrero. Includes stations like ZIIG Zihuatanejo, ARIG Puente Sto Nin, etc.

Table for IDC 25 02:44:31.8, 3.0, 2.48N, 95.98E, h0km, mb3.7/7, mb1 3.7/7, mb1mx3.4/62, mbtmp3.7/7, Error ellipse: s-maj=129.8km, s-min=22.1km, az=57.0. Includes stations like SNSI Sinabang, Aceh, TPTI TPTI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TSI Tuntingang, LHMI Lhok Sumawe, PBSI Pulau Batu, etc.

ISC/JB 25 03:15:36.0, 0.8, 32.22S, 0.0, 69.88W, 0.04, h108km, 9km, Error ellipse: s-maj=6.4km s-min=4.9km, az=23.3

GUC 25 03:15:36.0, 0.4, 32.18S, 70.00W, h94km, 7km, ML3.0, SJA 25 03:15:36.0, 0.7, 32.19S, 69.75W, h104km, 4km, ML2.9, MW3.1

ISC 25 03:15:36.6, 1.7, 32.21S, 0.0, 69.89W, 0.04, h105km, 15km, n18, 0.6S, 93/31, 1C-5D, Mendoza Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AUSP Uspallata, ARCO CERRO ARCO, PERC Peldehue, etc.

JMA 25 03:40:42.4, 0.2, 43.68N, 147.71E, h13km, M3.7, SKHL 25 03:40:43.7, 0.8, 43.89N, 147.86E, h46km, 8km, mb3.9/4

ISC 25 03:40:42.6, 4.3, 43.93N, 0.1, 147.92E, 0.1, h32km, 14km, n13, r19120, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHO Shikotan, SHO 154nm, 0.3s, KUR Kuril'sk, etc.

IDC 25 03:55:21.7, 1.6, 17.79S, 167.32E, h0km, mb4.0/5, mb1 4.1/6, mb1mx3.7/46, mbtmp4.0/6, ML3.5/1, Error ellipse: s-maj=41.2km s-min=31.7km, az=133.0

ISC/JB 25 03:55:24.2, 1.3, 17.98S, 0.0, 167.2E, 0.2, h23km, mb3.9/5, Error ellipse: s-maj=30.7km s-min=12.8km, az=23.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eileas Array, etc.

ISC/JB 25 04:04:51.2, 0.4, 41.88N, 0.0, 142.53E, 0.04, h69km, 3km, mb3.8/16, Error ellipse: s-maj=7.1km s-min=4.0km, az=144.2

JMA 25 04:04:51.5, 0.1, 41.89N, 142.53E, h63km, 2km, M3.8, Broadband fault plane solution: P waves. NP1: 0.47, 0.0000, 0.70, 0.0000, 1.90, 0.0000, NP2: 0.227, 0.0000, 0.20, 0.0000, 1.90, 0.0000. Principal axes: P Azm317.0000, N P1g0.0000, Azm47.0000; P P1g25.0000, Azm137.0000; JMA Felt 1/1.

IDC 25 04:04:54.5, 1.7, 42.10N, 142.59E, h82km, 12km, mb3.6/16, mb1 3.7/20, mb1mx3.6/64, mbtmp3.9/20, Error ellipse: s-maj=17.6km s-min=11.6km, az=116.0

ISC 25 04:04:52.4, 0.8, 41.93N, 0.0, 142.52E, 0.04, h63km, 6km, n46, r107/56, mb4.0/16, 2C-10D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JNBK Urakawa-nobuka, JNBK Erimo, JEM Hidakashinhida, etc.

ASAJ 18nm, 0.3s, baz=210, slow=10, SNR=65

ASAJ 13nm, 0.3s, baz=203, slow=17, SNR=63

MJAR Matsushiro Arr 6.31 213 P

USRK Ussuriysk Arr 8.05 290 P

KLR Kfir dur 10.52 318 P

KSRK Korea Array 12.09 253 P

H1N2 WAKE ISLAND Hy 30.25 129 T

H1N1 WAKE ISLAND Hy 30.26 130 T

H1N3 WAKE ISLAND Hy 30.27 129 T

H1N4 WAKE ISLAND Hy 30.28 130 T

H1N5 WAKE ISLAND Hy 31.13 131 T

H1N6 WAKE ISLAND Hy 31.13 131 T

H1N7 WAKE ISLAND Hy 31.13 131 T

ZALV Zalesovo Beam 39.42 308 P

MJAR Matsushiro Arr 42.43 298 P

MJAR Matsushiro Arr 42.43 298 P

KDAD Kodiak Island 42.99 45 P

KURBB Kurchatov Arra 43.83 304 P

ILAR Eileas Array 44.97 35 P

BVAR Borovoye Array 48.04 309 P

INK Inuvik 49.69 29 P

WRA Warramunga Arr 61.99 189 P

FINES FINESS Array B 64.93 332 P

HFS Hagedorn Array B 70.04 337 P

NB2 NORSTAR Subarra 70.04 337 P

NOA NORSTAR Array B 70.04 337 P

AKASA Malin Array B 70.99 322 P

BRTR Keskin Array B 76.28 311 P

EKA Eskdalemuir Ar 78.83 341 P

GERES GERESS Array B 79.03 328 P

TXAR Lajitas Array 86.50 53 P

SNAAS Sanae 145.64 199 PKPbc PKPpdf

NNC 25 04:27:37.1, 5.6, 37.23N, 70.80E, h0km, mb3.6, mpv3.2, 2C-5D, Error ellipse: s-maj=45.3km s-min=36.6km, az=156.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, MNAS Manas, MNAS Manas, etc.

MEX 25 04:40:11.6, 0.4, 16.06N, 98.20W, h6km, 3km, MD3.8, Near coast of Guerrero. Includes stations like PNIG Pinotepa, TLIG Tiapa, VHO Vista Hermosa, etc.

ms1mx2.6/36, Error ellipse: s-maj=55.8km s-min=23.5km az= 72.0, Yunnan

WEL 25 04:48:23.2, 38'S; 16°18'W; 110, h33km, ML3.6/14, East of North Island

WIMGZ Waiomatatini S 1.63 264 P Op ISC h m s ISC P Pn 04 48 50.6 +1.0

MEX 25 04:54:17.6, 0.3, 24.78N; 99.78W, h4km, 17km, MD3.6, Central Mexico

LNIG Linares 0.30 68 Op P ISC h m s ISC P Pn 04 54 23.3 +0.3

IDC 25 05:06:16.4, 1.4, 2.04, 265°S; 179.84W, h490km, 15km, mb3.4/13, mb1.3/7.15, mb1mx3.5/39, mbtmp4.3/15, Error ellipse: s-maj=16.8km s-min=12.7km az=98.0

ISCJB 25 05:06:17.2, 0.5, 24.10S; 0.06:17.9W; 0.1, h518km, mb3.7/12, Error ellipse: s-maj=13.3km s-min=7.5km az=19.8

ISC 25 05:06:18.1, 0.5, 24.13S; 0.08:17.9W; 0.1, h518km, n29, c154/34, mb3.8/12, South of Fiji Islands

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 07 47.6 -1.2

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 13 27.9 -1.9

ISK 25 05:08:10.9, 39.86N; 40.55E, h7km, ML2.2/2

ISCJB 25 05:08:11.5, 0.5, 39.83N; 0.03:40.49E; 0.06, h5km, 8km, Error ellipse: s-maj=8.0km s-min=3.9km az=162.3

DDA 25 05:08:11.0, 39.84N; 40.47E, h7km, ML2.5

CSEM 25 05:08:11.1, 0.1, 39.85N; 40.47E, h2km, ML2.5, Error ellipse: s-maj=3.0km s-min=2.2km az=48.0

ISC 25 05:08:11.4, 0.3, 39.84N; 0.02:40.47E; 0.03, h11km, 8km, n23, c061/33, Turkey

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 08 15.2 +0.5

BAYT Ayd-ntepe-Bay 0.61 336 PG Pg 05 08 23.2 -0.1

MEX 25 05:18:16.5, 0.5, 18.31N; 104.36W, h24km, 19km, MD3.6, Near coast of Jalisco

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 18 31.4 -3.1

KRAR 25 05:35:07.0, 0.2, 53.73N; 90.91E, M2.7, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 25 05:35:11.2, 3.4, 53.66N; 90.74E, h0km, mb1.3/2.3, mb1mx3.1/6.5, mbtmp3.2/3, ML2.7/3, Error ellipse: s-maj=28.0km s-min=23.6km az=67.0, Southwest Siberia

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 38 30.0

IDC 25 05:42:14.1, 1.9, 1.94N; 127.27E, h0km, mb3.6/4, mb1.3/6.4, mb1mx3.5/46, mbtmp3.6/4, Error ellipse: s-maj=182.8km s-min=21.0km az=67.0, Halmahera

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 47 18.1 -0.8

IDC 25 05:53:23.7, 1.2, 12.51N; 88.23W, h0km, mb3.7/8, mb1.4/0.10, mb1mx3.7/49, mbtmp3.7/10, ML3.1/2, Error ellipse: s-maj=49.8km s-min=17.6km az=50.3

ISCJB 25 05:53:25.6, 0.7, 12.04N; 0.06:88.55W; 0.05, h33km, mb3.7/8, Error ellipse: s-maj=10.6km s-min=3.7km az=33.3

CASC 25 05:53:26.9, 1.2, 12.20N; 88.48W, h23km, 8km, ML3.0

ISC 25 05:53:27.2, 0.8, 12.21N; 0.07:88.47W; 0.06, h33km, n36, c1817/43, mb3.8/8, Off coast of central America

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 53 48.9 +0.1

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 54 03.2 +0.6

CMIG Matias Romero 7.88 309 Pn 05 55 20.5 +0.9

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 58 20.7 +0.3

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 05 58 35.4 -1.1

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 00 37.2 +1.1

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 00 43.9 -1.7

ISCJB 25 06:01:10.9, 0.3, 27.97S; 0.02:66.5W; 0.03, h145km, 3km, mb4.6/146, Error ellipse: s-maj=4.4km s-min=3.4km az=152.6

GCMT 25 06:01:11.5, 0.3, 28.23S; 66.53W, h184km, 2km, MW5.1/96, Moment Tensor Solution. s28,c31; s96,c132; Duration: 0 Moment tensor: Scale 10^19Nm; Mr-3.99; 18; Mw-0.58; 20; Mw0.45; 23; Mw0.3; 10; 14; Mw-2.98; 18; Mw-0.48; 17; Best double couple: M0: 10300x10^16 Np1: 307.00000; s62.00000; A-127.00000; NP2: 0.165; 0.0000; 845.00000; 1.41; 0.00000; Principal axes: T 6.2450, Plg10.0000, Azm62.0000; N -0.2770, Plg32.0000, Azm326.0000; P -5.9610, Plg56.0000; Azm168.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

MOS 25 06:01:11.3, 1.0, 28.01S; 66.63W, h183km, mb4.7/19 Error ellipse: s-maj=10.7km s-min=7.0km az=92.1

SJA 25 06:01:11.9, 28.11S; 66.63W, h183km, ML4.8, MW5.2

NEIC 25 06:01:11.5, 0.4, 28.03S; 66.53W, h140km, 3km, mb4.6/99, Error ellipse: s-maj=4.4km s-min=3.2km az=73.0

GUC 25 06:01:13.3, 0.8, 28.15S; 66.74W, h165km, 5km, ML5.2, MW5.2

IDC 25 06:01:14.1, 0.5, 27.96S; 66.47W, h162km, 3km, mb4.5/23, mb1.4/8.26, mb1mx4.4/44, mbtmp4.9/26, MS3.6/4, Ms1.3/4, Ms1mx3.1/34, Error ellipse: s-maj=12.4km s-min=9.4km az=77.0

ISC 25 06:01:14.1, 0.3, 28.06S; 0.03:66.70W; 0.04, h166km, 3km, h167km; p-P, n611, c156/742, mb4.7/144, 28C-10D, Catamarca Province

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 01 39.3 -0.2

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 01 45.8 +0.1

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 01 47.2 -0.4

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 01 51.3 -0.4

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 04.1 -0.6

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 04.2 -1.4

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 04.9 +1.0

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 05.0 -0.1

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 05.2 -3.9

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 09.9 -1.2

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 11.5 -1.0

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 13.2 -0.2

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 15.6 -1.6

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 15.9 +0.1

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 15.6 -1.3

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 15.5 -1.6

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 15.6 -1.6

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 15.0 -2.1

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC P Pn 06 02 19.0 -0.7

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like PFO Pinyon Flats O, BELC Belle Mtn. Jos, F36A Milaca, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like AHID Auburn Hatcher, AHID Hanel Valley, HVU Hanel Valley, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like PTOM Tomar, YBH Yreka Blue Hor, PCAS Casilio, etc.

HHC		S	S	08 51 01.5 +6.7	
HHC	comp=Z,9.0nm,1.2s	pmax	pmax		
HHC	comp=Z,74nm,7.6s	LR	LR		
HHC	comp=Z,81nm,9.6s	LR	LR		
HHC	comp=Z,140nm,12.4s	LR	LR		
WR1	Warramunga Arr	32.70 165	eP	P	08 45 59.3 -2.0
WR1	comp=Z,4.1nm,0.6s	eP	P		
WRA	Warramunga Arr	32.70 165	eP	P	08 45 59.3 -2.0
WRA	comp=Z,4.1nm,0.6s	eP	P		
WB2	Warramunga Arr	32.70 165	eP	P	08 46 01.3 0.0
WB2	comp=Z,4.1nm,0.6s	eP	P		
USA0B	Ussuriysk Arra	32.77 9	eP	P	08 46 02.1 +0.4
USA0B	comp=Z,7.1nm,0.8s	eP	P		
USRK	Ussuriysk Ar.	32.77 9	eP	P	08 46 02.3 +0.6
USRK	comp=Z,5.7nm,0.8s	eP	P		
USRK	comp=Z,9.1nm,20.7s	baz=175,slow=34	LR	LR	08 57 47.4
BRDH	Baridhala	34.06 293	eP	P	09 00 45.5
BRDH	comp=Z,38nm,19.1s	baz=106,slow=38	LR	LR	
SHL	Shilong	34.59 298	eP	P	08 46 16.8 -1.2
SHL	comp=Z,3.7nm,1.1s	eP	P		
SHL	Shilong	34.59 298	eP	P	08 46 16.8 -1.2
SHL	comp=Z,3.7nm,1.1s	eP	P		
ASAJ	Asahikawa	35.40 21	eP	P	08 46 25.7 +1.2
ASAJ	comp=Z,2.9nm,0.6s	baz=233,slow=9.0,SNR=5.0	LR	LR	09 01 01.4
ASAJ	Asahikawa	35.40 21	eP	P	08 46 25.1 +0.6
ASAJ	comp=Z,4.8nm,1.0s	eP	P		
GTA	Gaotai	35.74 325	eP	P	08 46 28.3 +0.7
GTA	comp=Z,9.0nm,1.0s	eP	P		
AS31	Alice Springs	36.17 167	eP	P	08 46 31.2 -0.1
AS31	comp=Z,2.8nm,0.6s	eP	P		
AS31	Alice Springs	36.17 167	eP	P	08 46 55.7 -0.5
AS31	comp=Z,2.5nm,0.5s	baz=349,slow=7.6,SNR=38	P	P	08 46 30.8 -0.6
ASAR	Alice Springs	36.18 167	eP	P	08 46 56.0 -0.2
ASAR	comp=Z,3.8nm,0.7s	baz=345,slow=16.6,SNR=10	P	P	08 52 08.0 0.0
ASAR	Alice Springs	36.18 167	eP	P	08 46 30.5 -0.9
ASAR	comp=Z,2.8nm,0.7s	baz=350,slow=16.6,SNR=5.9	P	P	08 48 55.7 -0.6
AS01	Lhasa	36.58 304	eP	P	08 46 35.6 +0.2
AS01	comp=Z,8.7nm,0.6s	eP	P		
LSA	Lhasa	36.58 304	eP	P	08 46 36.4 +1.0
LSA	comp=Z,9.0nm,0.6s	eP	P		
LSA	Lhasa	36.58 304	eP	P	08 46 35.6 +0.2
LSA	comp=Z,9.0nm,0.6s	eP	P		
KLR	Kul'dur	37.68 7	eP	P	08 46 44.0 +0.1
KLR	comp=Z,0.2nm,0.6s	baz=203,slow=6.2,SNR=9.8	P	P	08 49 00.7 +0.4
KLR	Kul'dur	37.68 7	eP	P	08 46 43.8 0.0
KLR	comp=Z,0.2nm,0.6s	baz=202,slow=2.3,SNR=5.8	P	P	08 46 47.0 +0.9
YDS	Yuzh-Sakhalin	37.94 19	eP	P	08 46 53.8 -0.3
YDS	comp=Z,153nm,0.7s	eP	P		
SONA0	Songino Array	39.36 340	eP	P	08 46 58.5 +0.4
SONA0	comp=Z,3.2nm,0.6s	baz=166,slow=4.5,SNR=5.0	P	P	08 49 05.6 -0.2
SONM	Songino Array	39.36 340	eP	P	08 49 05.6 -0.2
SONM	comp=Z,2.1nm,0.6s	baz=166,slow=4.5,SNR=5.0	P	P	09 04 41.5
RAMN	Ramite	39.53 298	iP	P	08 46 59.9 -0.1
RAMN	comp=Z,92nm,0.6s	eP	P		
JIRN	Jiri	40.07 299	iP	P	08 47 04.5 -0.1
JIRN	comp=Z,211nm,0.4s	eP	P		
HNR	Honiara	40.17 120	LR	LR	09 01 00.6
HNR	comp=Z,175nm,20.9s	baz=294,slow=32	LR	LR	
H11S3	WAKE ISLAND Hy	40.20 75	T	T	09 00 13.8
H11S3	comp=Z,175nm,20.9s	baz=294,slow=32	T	T	
H11S1	WAKE ISLAND Hy	40.21 75	T	T	09 30 17.8
H11S1	comp=Z,175nm,20.9s	baz=294,slow=32	T	T	
H11S2	WAKE ISLAND Hy	40.21 75	T	T	09 30 25.7
H11S2	comp=Z,175nm,20.9s	baz=294,slow=32	T	T	
GUN	Gumba	40.40 299	iP	P	08 47 07.2 -0.1
GUN	comp=Z,153nm,0.8s	eP	P		
H11N1	WAKE ISLAND Hy	40.48 73	T	T	09 30 22.3
H11N1	comp=Z,153nm,0.8s	eP	P		
H11N2	WAKE ISLAND Hy	40.48 73	T	T	09 30 25.1
H11N2	comp=Z,153nm,0.8s	eP	P		
H11N3	WAKE ISLAND Hy	40.50 73	T	T	09 30 35.8
H11N3	comp=Z,153nm,0.8s	eP	P		
PKIN	Phulchoki	40.73 299	iP	P	08 47 09.1 -0.9
PKIN	comp=Z,48nm,0.5s	eP	P		
KKN	Kakani	40.88 299	iP	P	08 47 10.5 -0.7
KKN	comp=Z,65nm,0.9s	eP	P		
DMN	Daman	40.98 299	iP	P	08 47 11.4 -0.7
DMN	comp=Z,65nm,0.9s	eP	P		
GKN	Gorkha	41.49 299	iP	P	08 47 15.2 -0.8
GKN	comp=Z,76nm,0.9s	eP	P		
KOLN	Koldanda	42.32 298	iP	P	08 47 22.5 -0.4
KOLN	comp=Z,65nm,0.8s	eP	P		
DANN	Dangsing	42.32 299	iP	P	08 47 22.6 -0.4
DANN	comp=Z,127nm,0.7s	eP	P		
ZAK	Zakamensk	42.60 339	eP	P	08 47 23.4 -1.3
ZAK	comp=Z,127nm,0.7s	eP	P		
PYUN	Piuthan	42.92 299	iP	P	08 47 27.2 -0.6
PYUN	comp=Z,2.0nm,1.2s	eP	P		
TLY	Talaya	43.57 340	eP	P	08 47 33.3 +0.8
TLY	comp=Z,161nm,0.9s	eP	P		
TLY	TLY	43.57 340	eP	P	08 47 33.3 +0.8
TLY	comp=Z,12nm,0.9s	eP	P		
WMQ	Urumqi	45.60 322	eP	P	08 47 50.0 +1.2
WMQ	comp=Z,47nm,18.0s	eP	P		
WMQ	Urumqi	45.60 322	eP	P	08 48 09.5 +1.2
WMQ	comp=Z,19nm,0.9s	eP	P		
WMQ	comp=Z,140nm,3.7s	eP	P		
WMQ	Urumqi	45.60 322	eP	P	08 48 26.5 +0.7
WMQ	comp=Z,170nm,22.7s	eP	P		
WMQ	comp=Z,210nm,28.5s	eP	P		
HYB	Hyderabad	45.73 283	iP	P	08 47 50.0 -0.2
HYB	comp=Z,120nm,20.9s	eP	P		
STKA	Stephens Creek	46.06 161	eP	P	08 47 52.6 +0.2
STKA	comp=Z,8.0nm,0.6s	baz=338,slow=8.1,SNR=16	P	P	08 47 52.6 +0.2
STKA	Stephens Creek	46.06 161	eP	P	08 47 52.6 +0.2
STKA	comp=Z,2.1nm,0.7s	eP	P		
STKA	Stephens Creek	46.06 161	eP	P	08 47 52.6 +0.2
STKA	comp=Z,2.0nm,0.7s	eP	P		
HVS	Khovu-Aksy	47.02 333	iP	P	08 48 00.8 +0.9
HVS	comp=Z,12nm,0.9s	eP	P		
PETK	Petropavlovsk-	48.56 25	P	P	08 48 13.3 +1.6
PETK	comp=Z,4.2nm,0.6s	baz=204,slow=3.2	LR	LR	09 06 28.4
PETK	Petropavlovsk-	48.56 25	eP	P	08 48 13.3 +1.6
PETK	comp=Z,4.2nm,0.6s	baz=204,slow=3.2	LR	LR	09 06 28.4
PEA1	Jazzator, Alta	49.11 328	iP	P	08 48 17.1 +1.0
PEA1	comp=Z,58nm,21.9s	baz=229,slow=53	LR	LR	
DGZ	Jazzator, Alta	49.11 328	iP	P	08 48 17.1 +1.0
DGZ	comp=Z,3.0nm,0.7s	eP	P		
MK01	Makanchi Arra	50.38 322	eP	P	08 48 26.2 +0.5
MK01	comp=Z,3.0nm,0.7s	eP	P		
MK31	Makanchi Arra	50.40 322	eP	P	08 48 26.6 +0.8
MK31	comp=Z,3.0nm,0.7s	eP	P		
MK31	Makanchi Arra	50.40 322	eP	P	08 48 26.2 +0.4
MK31	comp=Z,3.0nm,0.7s	eP	P		
MK32	Makanchi Arra	50.40 322	eP	P	08 48 26.5 +0.7
MK32	comp=Z,3.0nm,0.7s	eP	P		
MKAR	Makanchi Arra	50.40 322	eP	P	08 49 42.9 -0.8
MKAR	comp=Z,3.3nm,0.8s	baz=121,slow=8.3,SNR=211	P	P	09 10 54.6
MKAR	Makanchi Arra	50.40 322	eP	P	08 49 26.6 +0.7
MKAR	comp=Z,6.7nm,22.0s	baz=132,slow=38	LR	LR	
MKAR	Makanchi Arra	50.40 322	eP	P	08 49 26.6 +0.7
MKAR	comp=Z,166nm,0.8s	eP	P		
MKAR	Makanchi Arra	50.40 322	eP	P	08 49 42.9 -0.8
MKAR	comp=Z,166nm,0.8s	eP	P		
MKAR	Makanchi Arra	50.40 322	eP	P	08 49 42.9
MKAR	comp=Z,166nm,0.8s	eP	P		
MKAR	Makanchi Arra	50.40 322	eP	P	08 49 42.9
MKAR	comp=Z,166nm,0.8s	eP	P		

MAK2	Makanchi	50.59 322	eP	P	08 48 28.0 +0.7
MAK2	comp=Z,167nm,0.8s	eP	P		
MAK2	Makanchi	50.59 322	eP	P	08 48 28.0 +0.7
MAK2	comp=Z,29nm,1.0s	eP	P		
PDGK	Podgornoye	50.61 317	iP	P	08 48 27.8 +0.2
PDGK	comp=Z,16nm,0.7s	eP	P		
KSH	Kashi	51.70 311	eP	P	08 48 38.0 +2.2
KSH	comp=Z,16nm,1.1s	eP	P		
KSH	Kashi	51.70 311	eP	P	08 48 56.8 +1.4
KSH	comp=Z,16nm,1.1s	eP	P		
KSH	Kashi	51.70 311	eP	P	08 49 51.3 +2.5
KSH	comp=Z,16nm,1.1s	eP	P		
KSH	Kashi	51.70 311	eP	P	08 53 45.8 -1.1
KSH	comp=Z,16nm,1.1s	eP	P		
KSH	Kashi	51.70 311	eP	P	08 55 18.8 -2.2
KSH	comp=Z,16nm,1.1s	eP	P		
KSH	Kashi	51.70 311	eP	P	08 58 17.0 -5.0
KSH	comp=Z,16nm,1.1s	eP	P		
KSH	Kashi	51.70 311	eP	P	08 48 40.2 -0.1
KSH	comp=Z,160nm,5.8s	eP	P		
NIL	Nilore	52.30 303	eP	P	08 48 40.2 -0.1
NIL	comp=Z,38nm,0.8s	eP	P		
NIL	Nilore	52.30 303	eP	P	08 48 40.2 -0.1
NIL	comp=Z,38nm,0.8s	eP	P		
DZM	Mont Dzumac	52.36 130	eP	P	08 48 42.2 +1.3
DZM	comp=Z,6.7nm,0.8s	baz=355,slow=1.1,SNR=3.7	LR	LR	08 48 41.4 +0.5
DZM	Mont Dzumac	52.36 130	eP	P	08 48 44.6 -0.1
DZM	comp=Z,6.7nm,0.8s	baz=355,slow=1.1,SNR=3.7	LR	LR	
ZALV	Zalesovo Beam	52.36 130	eP	P	08 48 44.6 -0.1
ZALV	comp=Z,3.2nm,0.3s	baz=122,slow=4.0,SNR=4.9	LR	LR	09 14 04.3
ZALV	Zalesovo Beam	52.36 130	eP	P	08 48 44.6 -0.2
ZALV	comp=Z,3.2nm,0.3s	baz=122,slow=4.0,SNR=4.9	LR	LR	
ZAA1	Zalesovo Array	52.97 331	eP	P	08 48 44.6 -0.2
ZAA1	comp=Z,60nm,18.6s	baz=235,slow=39	LR	LR	
KZA	Kyzart	53.05 314	eP	P	08 48 47.4 +1.3
KZA	comp=Z,16nm,1.1s	eP	P		
TKM2	Tokmak 2	53.09 315	eP	P	08 48 46.8 +0.6
TKM2	comp=Z,16nm,1.1s	eP	P		
KBK	Karagaybulak	53.45 315	eP	P	08 48 49.8 +1.0
KBK	comp=Z,16nm,1.1s	eP	P		
SFK	Sufi-Kurgan	53.66 311	eP	P	08 48 50.8 +0.3
SFK	comp=Z,8.0nm,1.0s	eP	P		
AML	Almayashu	54.16 314	eP	P	08 48 55.2 +0.9
AML	comp=Z,8.0nm,1.0s	eP	P		
NVS	Novosibirsk	54.24 331	eP	P	08 48 52.9 -1.2
NVS	comp=Z,7.0nm,1.0s	eP	P		
NVS	Novosibirsk	54.24 331	eP	P	08 48 54.5
NVS	comp=Z,7.0nm,1.0s	eP	P		
NVS	Novosibirsk	54.24 331	eP	P	08 48 55.3 +0.6
NVS	comp=Z,10.0nm,1.0s	eP	P		
EKS2	Erkin-Say	54.27 314	eP	P	08 48 55.3 +0.6
EKS2	comp=Z,10.0nm,1.0s	eP	P		
KURK	Kurchatov	54.42 325	eP	P	08 48 56.2 +0.6
KURK	comp=Z,7.9nm,0.8s	eP	P		
KURK	Kurchatov	54.42 325	eP	P	08 48 56.4 +0.9
KURK	comp=Z,7.9nm,0.8s	eP	P		
KURK	Kurchatov	54.42 325	eP	P	08 48 56.1 +0.6
KURK	comp=Z,7.9nm,0.8s	eP	P		
KURB	Kurchatov	54.43 325	eP	P	08 48 56.4 +0.8
KURB	comp=Z,7.8nm,0.9s	eP	P		
KURB	Kurchatov	54.43 325	eP	P	08 49 01.4 +0.6
KURB	comp=Z,7.8nm,0.9s	eP	P		
KURB	Kurchatov	54.43 325	eP	P	08 49 01.4 +0.6
KURB	comp=Z,7.8nm,0.9s	eP	P		
MNAS	Manas	55.17 314	iP	P	08 49 01.4 +0.6
MNAS	comp=Z,44nm,0.8s	baz=127,slow=7.2,SNR=223	P	P	
MNAS	Manas	55.17 314	iP	P	08 49 06.2 -0.5
MNAS	comp=Z,14nm,0.8s	eP	P		
KBL	Kabul	55.90 304	eP	P	08 49 06.2 -0.5
KBL	comp=Z,9.2nm				

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like VVDA, YKA, GEC2, GUR, ANX, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like CSDZ, CUKZ, OUK, MDT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like TRAZ, KALE, SERG, etc.

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

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

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

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

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

JMA 25 09:17:35.7 0.1, 23.38N, 121.71E, h38km, 4km, M3.0
TAP 25 09:17:35.8 23.41N, 121.63E, h41km, ML3.4 B
ISC 25 09:17:35.4 1.0, 23.41N, 121.66E, 0.02, h28km, 11km, n97, 0.61/186, Taiwan

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like CHN1, NNS, WDLH, TWK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like YM08, WDG7, PHUB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters. Includes stations like DDMP, DAV, DAV, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: RYN, R11A, YERR, KVN, LCMT, PNTR, VCNR, CCUT, KNB, SZCU, PAHR, PSUT, PKCU, BEKR, MSU, P16A, HLID, RWWY, YMR. Includes station names, coordinates, and other data.

JMA 25 10:54:24.7±0.3, 23°29'N, 124°02'E, h45km±5km, M2.8,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like HATJ, JKRS, IRI, JIJ, JISG, etc.

TAP 25 10:54:35.2, 24°11'N, 122°31'E, h45km±1km, ML2.6, D,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like EOS1, ENAH, NANS, ENA, TWD, TWC, NACB, ENLB, YOJ, EGS, ENT, NTC, NNSB, NNSH, EGFH, URFH, WHF, TIPB, NWLT, YHNB, NSK, CHGB, TDCB, WFSB, YULB, TWF1, FULB, TWGB, TWG, WTP, SLGT, MASB, EAST.

IDC 25 10:57:28.5±0.4, 12°17'S, 167°83'E, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.4/4, mbtmp3.5/3, Error ellipse: s-maj=270.1km s-min=33.7km az=140.0, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like WRA, ASAR, ILAR.

IDC 25 11:02:52.0±0.3, 4°25'S, 153°93'E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.6/4, mbtmp3.8/4, MS2.8/2, Ms1 2.8/2, ms1mx2.6/4.8, Error ellipse: s-maj=126.9km s-min=23.1km az=121.0, New Ireland region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like HNR, GUMO, WRA, H11S3, H11S2, H11S1, ASAR, PETK, ILAR.

MOS 25 11:09:33.4±1.0, 20°10'S, 177°86'W, h470km, mb4.7/22, Error ellipse: s-maj=13.7km s-min=8.8km az=65.8, IDC 25 11:09:35.7±1.3, 20°17'S, 177°75'W, h488km, 1.4km, mb4.0/25, mb1 4.2/28, mb1mx4.0/47, mbtmp4.8/28, Error ellipse: s-maj=11.8km s-min=8.8km az=109.0, ISCJB 25 11:09:35.6±0.8, 20°13'S, 177°86'W, 0.04, h492km, 9km, mb4.5/120, Error ellipse: s-maj=7.3km s-min=5.4km az=138.5, BUJ 25 11:09:36.6, 19°52'S, 177°61'W, h489km, mb4.7/22, mb4.8/10

NEIC 25 11:09:37.8±0.6, 20°24'S, 177°88'W, h513km, 7km, mb4.6/91, Error ellipse: s-maj=5.5km s-min=3.8km az=133.0, WEL 25 11:09:37.0, 20°24'S, 177°88'W, h513km, ISC 25 11:09:37.4±0.6, 20°22'S, 177°71'W, 0.07, h508km, 6km, n563, r194/596, mb4.6/120, 28C-14D, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like AFI, RAO, RAO, RAO, GLKZ, FUNA, DZM, DZM, OUZ, WCU, KUZ, MXZ, WIAZ, WMGZ, ETAZ, HAZ, MKAZ, WTZ, PKGZ, KBAB, AWAZ, PUZ, RUGZ, OPRZ, TWGZ, KNTN, KMRZ, MWZ, URFH, URZ, URZ, CNZ, OMRZ, MUZ, HRRZ, RAHZ, HIZ, HIZ, HIZ, BKZ, BKZ, BHZ, BFZ, SNZO, THZ, KHZ, LTZ, OXZ, MOZ, RPZ, WHZ, CTAO, CTAO, STKA, ASO1, ASO1, AS31, ASAR, ASAR, ASAR, ASAR.

Table with columns: WB2, WRAB, WRAB, WRA, WRA, MTN, SOEI, VNDA, VNDA, QSPA, QSPA, MJAR, MAT, ERM, ERM, ASAJ, ASAJ, ASAJ, PET, PET, YSS, YSS, YSS, PETK, PETK, PETK, KSRS, KSAR, KSAR, SC2Z, SC2Z, PKM, SAO, SAO, SAO, BLG, CIS, PMPB, SMCC, PAGB, CHGN, FMP, DECC, MSHR, PASC, 109C, KMRP, ARVC, MWC, MWC, MWC, BAR, YVES, MURIA, BFSC, MONP, EDWZ, USRY, USRY, TYV, TYV, IKP, ISA, ISA, ISA, ISA, SII, FRD, CMB, CMB, PFO, PFO, BBRC, WDC, WDC, ORV, ORV, SWC, SWC, N02D, O03D, M02C, CWC, L02D, MDPB, OMMB, BELC, OHAK.

25d 11h

Table with columns: ID, Name, Frequency, Power, Modulation, and other technical details. Includes entries like MPMC Manual Prospec, MMLAC Mammoth, GSC Goldstone, etc.

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Table with columns: ID, Name, Frequency, Power, Modulation, and other technical details. Includes entries like KNB Kanab, PSUT Pine Spring, SZCU Shurtz Canyon, etc.

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Table with columns: ID, Name, Frequency, Power, Modulation, and other technical details. Includes entries like COLA College, MDM Murphy Dome, SCRK Sand Creek, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like KURK, KURKB, KSH, AAK, ARU, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like GERES, BZS, DOU, CONA, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like ME6.4, MS6.5, MW6.3, MW6.4, etc.

25d 11h

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ASAR Alice Springs, ASAR Raoul Island, and various others in the 25d 11h band.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MRSI Marisa, CTSB Cotabato-PC H, BKS Bulukumba, and various others in the 2012 JUL band.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SMRI Semarang, SBUM Sibul, STKI Sintang, and various others in the 1270 band.

KUR	i*PP			11 30 09.6	-0.2
KUR	e			11 31 02.0	
KUR	i PPP	PPP		11 33 20.3	
KUR	i S	S		11 37 52.6	+5.2
KUR	comp=Z,1µm,1.4s	pmax	pmax		
KUR	comp=N,279nm,1.2s				
KUR	comp=E,161nm,0.7s	pmax	pmax		
KUR	comp=Z,6µm,4.8s				
DSRI	Dabo	55.74 276	P	11 30 07.2	+4.0
ASAJ	Asahikawa	55.73 345	P	11 30 03.3	+0.4
ASAJ	comp=Z,83nm,0.6s,baz=207,slow=7.3,SNR=110	S		11 37 42.0	-6.4
ASAJ	comp=Z,3.1nm,1.0s,baz=143,slow=20,SNR=1.8	LR	LR	11 53 11.5	
ASAJ	comp=Z,43µm,20.1s,baz=170,slow=35	LR	LR		
GZH	Guangzhou	55.96 306	P	11 30 03.0	-1.6
GZH		pP	pP	11 30 10.8	-1.2
GZH		PcP	PcP	11 31 00.3	-2.7
GZH		PP	PP	11 32 07.5	-2.4
GZH		PcS	PcS	11 37 50.8	-0.8
GZH		S	S	11 39 50.0	-2.8
GZH	comp=Z,7µm,18.9s	LR	LR		
GZH	comp=Z,9µm,17.9s	LR	LR		
TPRI	Tanjung Pinang	56.07 278	P	11 30 09.9	+4.3
INCN	Inchon	56.29 328	eP	11 30 07.1	+0.4
INCN	comp=Z,23µm,20.0s	LR	LR		
INCN	Inchon	56.29 328	P	11 30 07.1	+0.4
INCN	SNR=174	eP	P	11 30 07.1	+0.4
INCN	comp=Z,23µm,20.0s	MLR	MLR		
MNAI	Manna	56.67 271	P	11 30 20.1	+1.0
MYKOM	Kota Tinggi	56.92 278	eP	11 30 10.2	-1.5
QIZ	Qiongzhou	56.95 300	P	11 30 12.0	+0.2
QIZ		pP	pP	11 30 18.0	-1.2
QIZ		S	S	11 38 10.0	+5.1
QIZ		sS	sS	11 38 15.5	-1.7
QIZ	comp=Z,4µm,5.1s	LR	LR		
QIZ	comp=Z,6µm,17.7s	LR	LR		
QIZ	comp=Z,13µm,21.6s	LR	LR		
QIZ	comp=Z,19µm,22.6s	LR	LR		
QIZ	comp=Z,1µm,1.5s	LR	LR		
QIZ	comp=Z,19µm,22.0s	LR	LR		
NJ2	Nanjing	57.06 318	eP	11 30 12.3	0.0
NJ2		pP	pP	11 30 18.8	-0.9
NJ2		sP	sP	11 30 21.0	-1.6
NJ2		S	S	11 38 08.3	+2.4
NJ2		sS	sS	11 38 20.0	+1.9
NJ2	comp=Z,92nm,1.0s	pmax	pmax		
NJ2	comp=Z,6µm,8.6s				
NJ2	comp=Z,10µm,21.7s	LR	LR		
NJ2	comp=Z,9µm,20.1s	LR	LR		
NJ2	comp=Z,17µm,21.1s	LR	LR		
MASI	Maura Aman, Be	57.56 272	P	11 30 17.1	+0.8
MSHR	Mys Shulitsa	58.24 335	eP	11 30 20.5	+0.1
TEY	Ternai	58.36 341	eP	11 30 24.8	+3.7
YSS	Yuzh-Sakhalins	58.40 346	eP	11 30 21.5	+0.1
YSS	comp=Z,52µm,20.0s	LR	LR		
YSS	Yuzh-Sakhalins	58.40 346	iP	11 30 21.8	+0.4
YSS		eSP	sP	11 30 37.8	+6.1
YSS		eS	S	11 32 30.4	
YSS		eS	S	11 38 22.2	-0.7
YSS		eSS	SS	11 40 03.5	
YSS		pmax	pmax	11 42 19.7	+4.1
YSS	comp=E,340nm,1.0s				
YSS	comp=Z,670nm,1.0s	pmax	pmax		
YSS	comp=N,290nm,1.1s				
YSS	comp=N,4µm,14.9s	smax	smax		
YSS					
KRJI	Kerinci	58.50 273	P	11 30 26.3	+3.3
GVA	comp=E,865nm,1.0s,comp=E,10µm				
TAOE	Nuku Hiva Isla	59.15 95	eP	11 30 28.7	+1.3
TAOE	comp=E,421nm,1.3s	eS	S	11 38 30.0	-4.1
TAOE	comp=E,17µm,27.2s	eLQ	LQ	11 45 20.8	
TAOE	comp=E,21µm,34.5s	eLR	LR	11 47 54.0	
WHN	Wuhan	59.22 314	P	11 30 26.8	-0.6
WHN	comp=E,6µm,2.6s	S	S	11 38 35.3	+1.2
WHN	comp=E,6µm,2.6s	pmax	pmax		
WHN	comp=E,29µm,16.9s	LR	LR		
WHN	comp=E,22µm,16.4s	LR	LR		
WHN	comp=E,66µm,20.4s	LR	LR		
USRK	Ussuriysk Ar.	59.27 337	P	11 30 27.5	0.0
USRK	comp=E,74nm,0.8s,baz=162,slow=5.5	S	S	11 38 30.8	-3.5
USRK	baz=133,slow=13	LR	LR	11 54 19.4	
UBPT	Khong Chiam	59.31 294	P	11 30 28.6	+0.3
BKNI	Bangkinang	59.37 276	P	11 30 32.1	+3.3
BKNI	comp=Z,2µm,1.4s,comp=E,22µm				
BKNI	Bangkinang	59.37 276	eP	11 30 28.9	0.0
PPSI	Pulau Pagai	59.82 272	P	11 30 37.1	+5.1
DL2	Dalian	60.00 326	iP	11 30 32.3	-0.4
DL2		S	S	11 38 44.5	+0.5
DL2	comp=E,420nm,1.3s	pmax	pmax		
DL2	comp=E,5µm,9.8s				
DL2	comp=E,21µm,18.1s	LR	LR		
DL2	comp=E,11µm,20.1s	LR	LR		
DL2	comp=E,22µm,19.6s	LR	LR		
SKR	Severo-Kuril's	60.19 357	eP	11 30 25.1	-8.6
SKR		eSS	SS	11 31 23.9	
SKR		eSS	SS	11 42 47.5	+3.9
SKR	comp=Z,410nm,1.0s	pmax	pmax		
SKR	comp=Z,5µm,10.7s				
SKR	comp=Z,4µm,14.7s	MLR	MLR		
SKR	comp=Z,43µm,17.0s	MLR	MLR		
SKR	comp=Z,41µm,16.0s	MLR	MLR		
MDJ	Mudanjiang	60.57 336	P	11 30 33.5	-2.9
MDJ		pP	pP	11 30 40.3	-3.6
MDJ		sP	sP	11 30 43.3	-3.5
MDJ		PP	PP	11 32 47.5	-2.8
MDJ		S	S	11 38 52.3	+1.3
MDJ		sS	sS	11 39 04.9	+0.9
MDJ		ScS	ScS	11 40 23.0	-2.7
MDJ		SS	SS	11 42 53.5	+3.7

MDJ	comp=Z,650nm,1.4s	pmax	pmax		
MDJ	comp=Z,4µm,2.7s	pmax	pmax		
MDJ	comp=Z,36µm,22.3s	LR	LR		
MDJ	comp=Z,21µm,23.1s	LR	LR		
MDJ	comp=Z,79µm,23.9s	LR	LR		
MDJ	Mudanjiang	60.57 336	eP	11 30 36.4	0.0
MDJ	comp=Z,1µm,1.4s	LR	LR		
TIA	Tai'an	60.82 321	P	11 30 37.3	-1.1
TIA		S	S	11 38 57.5	+2.9
TIA	comp=Z,360nm,3.2s	pmax	pmax		
TIA	comp=Z,7µm,22.0s	LR	LR		
TIA	comp=Z,8µm,19.8s	LR	LR		
TIA	comp=Z,14µm,21.8s	LR	LR		
MNSI	Mandailing Nat	60.89 276	P	11 30 37.3	-2.0
SISI	Saibi	60.97 274	P	11 30 44.3	+2.9
Sakolokorn	comp=Z,152nm,1.1s,comp=Z,4µm				
SKNT	Sakolokorn	61.25 295	P	11 30 41.3	-0.3
SKNT	comp=Z,416nm,1.4s,comp=Z,7µm				
SKLT	Songkhla	61.33 284	P	11 30 42.1	-0.1
CN2	Changchun	61.71 332	iP	11 30 44.0	-0.2
CN2		pP	pP	11 30 50.0	-1.7
CN2		ePP	PP	11 33 01.8	+1.4
CN2		eSS	SS	11 43 08.0	+0.2
CN2	comp=Z,50nm,0.8s	pmax	pmax		
CN2	comp=Z,200nm,3.0s	LR	LR		
CN2	comp=Z,13µm,20.0s	LR	LR		
CN2	comp=Z,11µm,20.0s	LR	LR		
CN2	comp=Z,19µm,21.0s	LR	LR		
COCO	West Island	61.81 261	PFAKE	11 31 00.0	+15
COCO		LR	LR		
SRAK	Srakaew	61.99 291	P	11 30 42.8	-3.8
PBSI	Pulau Batu	62.00 275	P	11 30 49.7	+2.9
KHON	Khomkaen	62.06 294	P	11 30 47.1	0.0
KHON	Khomkaen	62.06 294	P	12 00 10.1	-2.2
TYV	Tymovskoe	62.11 348	eS	11 39 15.1	+4.8
TYV	comp=Z,6µm,4.7s	pmax	pmax		
TYV	comp=Z,747nm,1.3s	pmax	pmax		
TYV	comp=N,49nm,2.5s	smax	smax		
TYV	comp=E,6µm,9.0s				
NONG	Nongkai	62.39 296	P	11 30 48.9	-0.4
NONG	Nongkai	62.39 296	P	11 59 54.8	-0.7
TRIT	Trang	62.39 284	P	11 30 49.1	-0.3
TSI	Tuntung	62.44 279	P	11 30 49.0	-0.7
PET	Petrovavovsk	62.45 359	eP	11 30 48.6	-0.4
PET	comp=Z,43µm,20.0s	LR	LR		
PET	Petrovavovsk	62.45 359	iP	11 30 48.6	-0.4
PET	comp=Z,589nm,1.1s	pmax	pmax		
PET	comp=Z,6µm,15.4s	pmax	pmax		
PETK	Petrovavovsk	62.56 359	P	11 30 50.0	+0.3
PETK	comp=Z,222nm,0.9s,baz=149,slow=6.7	S	S	11 39 17.0	+1.0
PETK	baz=158,slow=12	LR	LR	11 54 12.2	
ENH	Enshi	62.67 311	eP	11 30 49.7	-0.8
ENH	comp=Z,1µm,1.3s	LR	LR		
CHAI	Chaiyaphum	62.67 293	P	11 30 50.6	-0.6
CHAI	comp=Z,124nm,1.1s,comp=Z,1µm				
CHAI	Chaiyaphum	62.67 293	P	12 00 06.8	+4.0
PATY	Pattaya	62.73 290	P	11 30 52.0	+0.4
NAYO	Nakonayok	62.75 292	P	11 30 52.0	+0.3
GVA	Guiyang	62.90 306	iP	11 30 52.5	-0.2
GVA		pP	pP	11 31 02.3	-0.7
GVA		PP	PP	11 39 15.0	+3.7
GVA		S	S	11 39 18.8	-2.7
GVA		sS	sS	11 39 33.3	-0.5
GVA		SKS	SKS	11 40 42.5	-2.0
GVA		SS	SS	11 43 29.0	+1.8
GVA	comp=Z,570nm,1.0s	pmax	pmax		
GVA	comp=Z,3µm,13.0s	LR	LR		
GVA	comp=Z,5µm,22.7s	LR	LR		
GVA	comp=Z,7µm,22.4s	LR	LR		
GVA	comp=Z,9µm,22.7s	LR	LR		
GSI	Gunungsitoli	62.95 276	P	11 30 52.0	-1.2
GSI	Gunungsitoli	62.95 276	eP	11 30 51.8	-1.4
KCSI	Kotacane, Aceh	63.22 279	P	11 30 52.5	-2.5
RKT	Rikitea	63.49 111	eS	11 39 25.5	-3.4
RKT	comp=Z,14µm,28.5s	eSS	SS	11 43 33.9	-2.3
RKT	comp=Z,9µm,30.2s	eLQ	LQ	11 47 13.7	
RKT	comp=Z,34µm,32.0s	eLR	LR	11 49 55.9	
GRNR	Gornyy	63.54 344	eP	11 30 59.9	+3.6
GRNR	comp=Z,22µm,28.5s,baz=279	pmax	pmax		
GRNR	comp=N,50nm,1.0s	pmax	pmax		
KLR	Kul'dur	63.63 340	P	11 30 56.9	-0.1
TPTI	comp=Z,11nm,1.0s,baz=148,slow=7.9	P	P	11 30 59.3	+0.9
TPTI	comp=Z,823nm,1.2s,comp=Z,9µm				
PBKT	Sadao Pong	63.81 294	P	11 30 58.8	+0.1
PBKT	comp=Z,415nm,1.5s,comp=Z,9µm				
PBKT	Sadao Pong	63.81 294	P	11 59 58.0	-7.3
BJT	Baijiatiau	63.85 324	eP	11 30 57.7	-0.9
BJT	comp=Z,704nm,1.5s	ePP	PP	11 33 16.7	-2.7
BJT		eS	S	11 39 38.0	+5.3
BJT	comp=Z,13µm,20.0s	P	P	11 30 57.7	-0.9
BJT	Baijiatiau	63.85 324	eP	11 33 16.7	-2.7
BJT		eS	S	11 39 38.0	+5.3
BJT	comp=Z,704nm,1.5s	MLR	MLR		
BJI	Beijing	63.86 324	iP	11 30 58.0	-0.6
BJI		S	S	11 39 35.0	+2.2
BJI	comp=Z,400nm,1.6s	pmax	pmax		
BJI	comp=Z,450nm,4.9s	LR	LR		
BJI	comp=Z,5µm,20.8s	LR	LR		
BJI	comp=Z,3µm,22.2s	LR	LR		
PHET	Kaeng Krachan	63.87 289	P	11 31 00.8	+1.6
SNSI	Sinabang, Aceh	64.40 277	P	11 31 07.0	+4.3

LHMI	Lhok Sumawe	64.40 281	P	11 31 07.6	+4.9
PHIT	Phitsanulok	64.52 294	P	11 31 03.9	+0.5
PHIT	Phitsanulok	64.52 294	P	12 00 04.8	+7.0
UTTA	Uttaradit	64.59 295	P	11 59 57.2	-0.4
NKL	Nikolayevsk	64.68 347	iP	11 31 04.0	+0.3
NKL		eS	S	11 39 48.0	+5.7
NKL		eS	S	11 40 04.0	+1.8
NKL	comp=N,260nm,1.0s	pmax	pmax		
NKL	comp=Z,690nm,1.0s	pmax	pmax		
NKL	comp=N,2µm,6.0s	pmax	pmax		
NKL	comp=E,1µm,6.0s	pmax	pmax		
NKL	comp=Z,6µm,6.0s	smax	smax		
NKL	comp=N,6µ				

25d 11h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal-to-Noise Ratio. Includes stations like TR25A, RSSD, DGMT, etc.

2012 JUL

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal-to-Noise Ratio. Includes stations like D35A, K36A, J36A, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal-to-Noise Ratio. Includes stations like X41A, R40A, J39A, etc.

Table with multiple columns containing names, codes, dates, and numerical values. Includes sections for MORC, PRK, BODT, etc., and various alphanumeric codes like PKP, P, S, etc.

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

IDC 25 11:43:52.2-15.0, 7.915x119.17E, h0km, mb3.7/2, mb1 3.9/3, mb1mx3.5/56, mbtmp3.7/3, ML3.6/1, Error ellipse: s-maj=269.0km s-min=169.2km az=4.0, Flores Sea

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

TEH 25 11:52:14.8, 36.05N-52.15E, h6km, ML3.7, IDC 25 11:52:15.8-3.0, 35.88N-52.06E, h0km, mb3.7/6, mb1 3.8/8, mb1mx3.5/61, mbtmp3.8/8, ML2.8/2, Error ellipse: s-maj=53.6km s-min=16.0km az=2.0

THR 25 11:52:16.8-0.4, 36.00N-52.12E, h6km, ML3.6, CSEM 25 11:52:16.7-0.2, 36.04N-52.15E, h2km, ML3.7, Error ellipse: s-maj=5.0km s-min=3.3km az=61.0

ISCJB 25 11:52:16.7-0.3, 36.06N-0.02-52.11E, 0.0/3, h11km, mb3.6/5, Error ellipse: s-maj=3.8km s-min=2.7km az=135.3

AZER 25 11:52:17.5-99.0, 36.18N-51.92E, h6km, 15km, ml4.0/6, Error ellipse: s-maj=239.3km s-min=9.1km az=324.0

ISC 25 11:52:17.8-0.7, 36.03N-0.03-52.15E, 0.0/2, h11km, n85, +1837/107, mb3.7/5, 30C-20D, Northern and central Iran

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GERES, MOS 25, NEIC 25, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SONMI Sogingo Array, SONM Clear Creek Bu, SONM Denali Highway, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like CCB Clear Creek Bu, DHY Denali Highway, SCM Sheep Creek Mo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KSM Kuching, PMG Port Moresby, CTAO Charters Tower, etc.

Bul 25 13:44:14.8, 7.82Sx127.31E, h230km, mb4/4/26, mB4/9/14

NEIC 25 13:44:17.9, 0.5, 7.68S:127.01E, h226km, mb4/6/19,

DJA 25 13:44:19.4, 0.2, 8.3S:3x12.7E, h234km, M4, 8/24,

ISC 25 13:44:18.2, 0.7, 7.76S:127.01E, h228km, 7km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like SOEI Soe, SOEI Soe, SOEI Soe, etc.

Table with 4 columns: INK, Inuvik, 9.50, 14 P, Pn, 14 53 56.9 -0.1, 14 53 57.5 -1.3

ISCJB 25 14:54:59.0,0.3,34.34N,0.05,136.97E,0.06, h358km,2km,mb3.3/13, Error ellipse: s-maj=8.9km s-min=6.4km az=146.8

JMA 25 14:54:59.0,0.2,34.37N,136.97E, h357km,2km,MB3.3, IDC 25 14:54:59.0,0.6,34.30N,137.00E, h349km,5km,mb3.1/13, mb1.3/21, mb1.1mx3.1/7.5, mbtmp3.9/21, Error ellipse: s-maj=12.5km s-min=9.3km az=90.0

ISC 25 14:54:59.7,0.7,34.36N,0.06,137.00E,0.06, h352km,5km, n40, e152/53, mb3.3/13, Near south coast of eastern Honshu

Main table for 25 Jun 16h, columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

JMA 25 14:59:32.0,2.0,25.02N,123.41E, h23km,ML2.3, Northeast of Taiwan

Table for JMA 25 14:59:32.0,2.0,25.02N,123.41E, h23km,ML2.3, Northeast of Taiwan

ISCJB 25 14:59:47.0,0.4,39.63N,0.03,43.55E,0.03, h0km,7km, Error ellipse: s-maj=4.8km s-min=3.6km az=167.5

DDA 25 14:59:47.0,39.61N,43.61E, h15km,ML3.1, Error ellipse: s-maj=0.4km s-min=3.4km az=151.0

ISC 25 14:59:46.7,0.9,39.63N,0.03,43.56E,0.02, h12km,6km, n33, e050/51, Turkey

Table for ISC 25 14:59:46.7,0.9,39.63N,0.03,43.56E,0.02, h12km,6km, n33, e050/51, Turkey

Table for 2012 JUL, columns: DIGO, Kars, 0.80 350 P, P, 15 00 02.7 0.0, 15 00 02.7 -0.6

WEL 25 15:03:59.6,44.54S,16.8E, h5km,ML3.7/18, South Island

Table for WEL 25 15:03:59.6,44.54S,16.8E, h5km,ML3.7/18, South Island

ISCJB 25 15:09:17.4,0.6,39.90N,0.04,33.09E,0.04, h0km, Error ellipse: s-maj=5.9km s-min=4.7km az=13.1

DDA 25 15:09:17.6,39.90N,33.10E, h7km,ML2.7, Error ellipse: s-maj=2.9km s-min=2.2km az=18.0, Suspected Mining explosion.

ISC 25 15:09:17.4,39.88N,33.05E, h5km,ML1.7/4, Suspected Mining explosion.

ISC 25 15:09:17.0,0.9,39.94N,0.05,33.10E,0.03, h0km, n23, e029/29, Turkey

Table for ISC 25 15:09:17.0,0.9,39.94N,0.05,33.10E,0.03, h0km, n23, e029/29, Turkey

ISCJB 25 15:37:58.0,1.4,39.14N,0.04,142.64E,0.08, h20km,7km, mb3.3/3, Error ellipse: s-maj=1.2km s-min=5.9km az=17.7

JMA 25 15:37:59.7,0.1,39.19N,142.56E, h29km,1km,MB3.2, IDC 25 15:38:02.1,3.5,39.17N,142.68E, h59km,30km,mb3.1/3, mb1.3/0.5, mb1mx2.9/6.0, mbtmp3.1/5, ML2.6/2, MS2.8/1, MS1.2/8.1, ms1mx2.2/1.5, Error ellipse: s-maj=49.6km s-min=24.5km az=7.0

ISC 25 15:37:57.0,0.2,39.13N,0.04,142.59E,0.08, h7km,11km, n16, e134/26, mb3.4/3, Near east coast of eastern Honshu

Table for ISC 25 15:37:57.0,0.2,39.13N,0.04,142.59E,0.08, h7km,11km, n16, e134/26, mb3.4/3, Near east coast of eastern Honshu

ellipse: s-maj=4.1km s-min=3.5km az=39.0, ISC 25 15:47:09.4,1.0,40.14N,0.02,31.71E,0.03, h8km, n23, e0575/31, Turkey

Table for ISC 25 15:47:09.4,1.0,40.14N,0.02,31.71E,0.03, h8km, n23, e0575/31, Turkey

ISK 25 16:14:24.8,41.41N,35.92E, h6km,ML2.2/6

ISCJB 25 16:14:25.0,4.0,41.34N,0.04,35.80E,0.05, h0km, Error ellipse: s-maj=6.6km s-min=3.3km az=42.9

CSEM 25 16:14:25.0,4.1,33N,35.83E, h1km,ML3.0, Error ellipse: s-maj=5.6km s-min=3.3km az=45.0, Suspected Mining explosion.

DDA 25 16:14:25.1,41.32N,35.82E, h7km,ML3.0, Suspected Mining explosion.

ISC 25 16:14:25.2,0.9,41.33N,0.03,35.85E,0.03, h0km, n24, e067/32, Turkey

Table for ISC 25 16:14:25.2,0.9,41.33N,0.03,35.85E,0.03, h0km, n24, e067/32, Turkey

NIED 25 16:20:00.37,39.90N,141.50E, h68km, Mw3.7 Best double couple: M4.68000,1014 NP1.336,00000, 822,00000, 748,00000, NP2.260,00000, 874,00000, 7,105,00000.

ISCJB 25 16:21:03.3,0.7,37.90N,0.04,141.66E,0.07, h66km,5km, mb3.7/8, Error ellipse: s-maj=9.9km s-min=5.2km az=19.2

IDC 25 16:21:04.5,2.1,37.95N,141.69E, h62km,18km,mb3.5/8, mb1.3/6/13, mb1mx3.3/6.8, mbtmp3.8/13, MS2.9/2, MS1.2/9.2, ms1mx2.3/5.0, Error ellipse: s-maj=24.6km s-min=13.1km az=92.0

JMA 25 16:21:05.0,37.91N,141.54E, h60km,1km,MB3.8

ISC 25 16:21:04.5,1.3,37.90N,0.05,141.63E,0.09, h55km,10km, n33, e134/41, mb3.8/8, Near east coast of eastern Honshu

Table for ISC 25 16:21:04.5,1.3,37.90N,0.05,141.63E,0.09, h55km,10km, n33, e134/41, mb3.8/8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for Zalesovo Beam, Makanchi Array, Kurbb Kurchatov Arr, WRA Warramunga Arr, etc.

NIED 25 16:30:00, 36.740N, 141.00E, h53km, Mw3.5 Best double couple: M3, 16000, 1014, NP1: 244.00000, 320.00000, 1.51.00000, NP2: 2.00000, 880.00000, 1.72.00000.

ISC 25 16:34:18.9, 1.7, 36.38N, 141.28E, h0km, ML3.0/3, Error ellipse: s-maj=40.0km s-min=21.1km az=84.0

JMA 25 16:34:24.7, 0.1, 36.34N, 141.00E, h46km, 1km, M3.5 JMA Felt II J1.

ISC 25 16:34:21.1, 1.9, 36.34N, 141.00E, h142km, 1km, n22, c089/26, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JHYU Hitachinakayam, JHO Hitachi, JYT Yasato, etc.

ISC 25 16:39:16.8, 37.33N, 42.67E, h5km, ML2.5/7 DDA 25 16:39:17.5, 37.36N, 42.61E, h8km, ML2.6

CSEM 25 16:39:18.2, 0.3, 37.38N, 42.62E, h2km, ML2.5, Error ellipse: s-maj=10.3km s-min=5.0km az=10.0

ISC 25 16:39:17.5, 1.3, 37.35N, 0.05, 42.63E, h0km, n26, c095/41, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for SIRT Sirkak, SIRT Sirkak, SIRT Sirkak, etc.

ISC 25 16:41:09.8, 38.55N, 28.65E, h8km, ML1.9/5, Suspected Mining explosion. ISCJB 25 16:41:10.3, 0.5, 38.57N, 0.03, 28.65E, h0km, Error ellipse: s-maj=6.2km s-min=3.3km az=18.1

DDA 25 16:41:10.1, 38.58N, 28.67E, h7km, ML2.8 CSEM 25 16:41:10.3, 0.2, 38.56N, 28.66E, h1km, ML1.9, Error ellipse: s-maj=5.4km s-min=3.7km az=107.0, Suspected Mining explosion.

ISC 25 16:41:10.6, 0.9, 38.56N, 0.02, 28.65E, h0km, n26, c095/35, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for KULA Kula-Manisa, KULA Kula-Manisa, MANT Manisa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for KHAL Karahalli, KHAK Karahalli, AKHS Akhisar, etc.

ISCJB 25 16:58:18.9, 0.4, 40.35N, 0.03, 27.42E, h0.04, h12km, 4km, Error ellipse: s-maj=5.9km s-min=4.2km az=28.1

DDA 25 16:58:19.0, 40.33N, 27.39E, h10km, ML2.5

ISC 25 16:58:18.7, 40.34N, 27.41E, h12km, ML1.7/12

CSEM 25 16:58:19.1, 0.1, 40.34N, 27.41E, h12km, ML1.7, Error ellipse: s-maj=2.1km s-min=1.5km az=10.0

ISC 25 16:58:19.1, 0.9, 40.34N, 0.03, 27.41E, h0.02, h14km, 7km, n40, c026/47, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for KNL Bal-kesir, KNC KNC, EDC Edincik, etc.

ISC 25 17:09:45.2, 2.6, 41.91N, 29.61W, h0km, mb3.5/3, mb1 3.7/4, mb1mx3.2/66, mbtmp3.4/4, ML3.2/11, Ms1 3.2/11, ms1mx2.9/54, Error ellipse: s-maj=109.3km s-min=26.5km az=178.0, Azores Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for ESDC Sonseca Array, ESDC Sonseca Array, DAVOS Davos/Dischmal, etc.

NIED 25 17:20:00, 31.00N, 130.40E, h130km, Mw5.0 Best double couple: M3, 31000, 1016, NP1: 244.00000, 841.00000, 1.66.00000, NP2: 344.00000, 881.00000, 1.50.00000.

BUI 25 17:20:07.4, 30.84N, 130.65E, h135km, mb4.9/69, mb4.9/44

ISCJB 25 17:20:09.8, 0.2, 30.98N, 0.02, 130.41E, 0.02, h140km, 1km, mb4.7/209, Error ellipse: s-maj=3.4km s-min=2.5km az=135.0

MOS 25 17:20:10.6, 1.1, 31.01N, 130.42E, h150km, mb4.8/65, Error ellipse: s-maj=6.8km s-min=3.9km az=111.5

GCMT 25 17:20:11.1, 0.2, 31.05N, 130.37E, h138km, 2km, MW5.0/98, Moment Tensor Solution, s32, c38, s98, c167, Duration: 0, Moment tensor: Scale: 1016Nm, M0: 902.12, Ms: 1.01, 1.1, Mw: 1.92, 1.2, Mw: 1.34, 0.9, Mw: 2.21, 2; Ms: 3.14, 1.0; Best double couple: M4, 38500, 1016

NP1: 347.00000, 882.00000, 1.52.00000, NP2: 247.00000, 838.00000, 1.68.00000. Principal axes: T 4.5360, P1g40.0000, Azm222.0000; N -0.3080, P1g37.0000, Azm353.0000; P -4.2340, P1g27.0000, Azm106.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

NEIC 25 17:20:11.1, 0.1, 30.98N, 130.35E, mb5.0/98 Error ellipse: s-maj=3.8km s-min=2.8km az=137.0

NEIC Felt at Kagoshima, Kanoya, Miyazaki and Nobeoka. Recorded [S JMA] in Kagoshima and [2 JMA] in Tanabe-shima.

JMA 25 17:20:11.5, 0.1, 31.00N, 130.45E, h131km, 1km, M4.7 Broadband fault plane solution: P waves. NP1: 336.00000, 886.00000, 1.41.00000, NP2: 242.00000, 849.00000, 1.74.00000. Principal axes: T P1g31.0000, Azm207.0000; N P1g49.0000, Azm341.0000; P P1g24.0000, Azm102.0000.

JMA Felt III J1. IDC 25 17:20:11.3, 0.4, 31.05N, 130.40E, h142km, 2km, mb4.3/44, mb1 4.5/52, mb1mx4.4/73, mbtmp4.8/52, MS3.5/13,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for ESDC Sonseca Array, ESDC Sonseca Array, DAVOS Davos/Dischmal, etc.

Ms1 3.5/13, ms1mx3.2/62 Error ellipse: s-maj=8.0km s-min=6.7km az=97.0

ISC 25 17:20:10.8, 0.3, 30.97N, 0.03, 130.44E, 0.03, h140km, 2km, h140km, pP, n619, c1438/772, mb4.8/216, 45C-21D,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JTSR Tashiro 2, JTSR Tashiro 2, JSU Suzuyama, etc.

25d 17ch

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like GOPC, GPPC, CLLC, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like DAVOX, QMVB, NW11, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like SAML Samuel, JNCB, SKHL, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like WAKE ISLAND HY 30.25 130, WAKE ISLAND HY 31.11 132, etc.

WEL 25 17:36:05.8, 38°S, 181°0'W, h33km, ML3.6/13, East of North Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Waionatani S, Matakaoa Point, Puketiti, etc.

IDC 25 17:37:59.9, 2.4, 111°18'N, 92°60'E, h0km, mb3.6/3, mb1.3/8.4, mb1mx3.2/68, mbtmp3.6/4, ML3.7/1, Error ellipse: s-maj=72.2km s-min=27.8km az=70.0, Andaman Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Chiang Mai Arr, Zalesovo Beam, Warramunga Arr, etc.

ISCJB 25 17:47:06.7, 1.0, 171°45'02.178°19'W, 0.1, h539km, mb4.2/5, Error ellipse: s-maj=30.5km s-min=16.1km az=158.7

IDC 25 17:47:07.1, 1.8, 171°45'178°18'W, h524km, 21km, mb3.6/5, s-maj=29.7km s-min=22.0km az=13.0

ISC 25 17:47:07.5, 1.1, 173°35'02.178°19'W, 0.1, h539km, n7, az=206°11, mb4.2/5, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Afiamalu, Mont Dzumac, Urz Urewera, etc.

IGQ 25 17:55:13.9, 0.7, 3°S, 5°8'1'W, h10km, MLV4.3/2, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Guayaquil, Milagro-Astudi, Cochancay, etc.

KRNET 25 18:09:58.9, 0.1, 39°74'N, 72°05'E, h4km, mb4.1, IDC 25 18:09:58.9, 0.1, 39°74'N, 72°05'E, h0km, mb3.7/10, mb1.3/7.18, mb1mx3.6/65, mbtmp3.7/18, ML3.3/8, MS2.5/2, Ms1.2/5.2, ms1mx2.2/59, Error ellipse: s-maj=17.3km s-min=11.0km az=143.0

SOME 25 18:09:58.9, 39°82'N, 72°07'E, h0km, MS2.5

Code Station Name Az Phase ID Time Res ISC
DRK Karamyk baz=17 0.18 239 U/P Sg 18 10 03.0 -0.2
BTK Batken baz=89 1.03 298 U/P Sg 18 10 15.8 -2.6
SFK Sufi-Kurgan baz=89 1.24 69 U/P Pn 18 10 18.3 -2.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Karamyk, Batken, Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Ashk, Tashkent, Tashkent, 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 Uchtor, Uchtor, Uchtor, 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 Chikment, Merke, Taraz, 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 Ala-Archa, Ala-Archa, Ala-Archa, 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 Karatay Array, Karatay Array, Karatay 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 Karatay Array, Karatay Array, Karatay 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 Karatay Array, Karatay Array, Karatay Array, etc.

CHMS baz=31 U/S Sn 18 11 44.9 -0.7
USP Ozenovka 4.14 26 P Pn 18 11 01.7 +0.7
USP Ozenovka 4.14 26 U/P Pn 18 11 01.5 +0.5

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Kastele, DGS, DGS, 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 Podgornoye, Podgornoye, Podgornoye, 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 Makanchi Array, Makanchi Array, Makanchi 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 Borovoye Array, Borovoye Array, Borovoye 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 Wadi Sarin, Wadi Sarin, Wadi Sarin, 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 Karatay Array, Karatay Array, Karatay 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 Karatay Array, Karatay Array, Karatay Array, etc.

25d 20h

Table with columns: WRA, ARCES, FINES, Fines, etc. and values for various stations and times.

IDC 25 19:42:04.1+0.9, 20:60N, 121:09E, h0km, mb3.6/8, mb1 3.7/10, mb1mx3.5/56, mbtmp3.6/10, ML3.5/2, MS2.6/1, Ms1 2.8/1, ms1mx2.3/49, Error ellipse: s-maj=29.2km s-min=17.1km az=20.0

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for various stations like YJNG, YOJ, HATJ, etc.

NIED 25 20:00:00, 36.50N, 142.60E, h8km, Mw4.6 Best double couple: M19.20000, 10.19, N1.0208, 208.00000, 336.00000, 1.93.00000, 10.29, S1.17.00000, 853.00000, 3.84.00000

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for various stations like ONAJ, CHJO, JHYU, etc.

2012 JUL

Main table with columns: YSS, USKR, KRSR, KSO1, KRSR, KSO1, etc. and values for various stations and times.

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Main table with columns: YAK, H1N1, H1N1, H1N1, SEY, SEY, SEY, etc. and values for various stations and times.

25d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONMG, QSPA, PALK, ILAR, MKAR, ZALV, NVAR, KURK, KURBB, BVAR, BRTR.

KRNET 25 20:13:40.1±0.1, 42.96N, 78.28E, h20km, mb3.0
SOME 25 20:13:40.0, 42.95N, 78.25E, h5km
NNO 25 20:13:40.9, 3.0, 43.07N, 78.32E, h0km, mb2.8, mpv2.4,
Error ellipse: s-maj=105.9km s-min=12.4km az=168.0
ISC 25 20:13:40.5-1.1, 42.99N, 0.02-78.25E, 0.02, h3km, gkm,
n48, c1517/93, 28C-10Z, Lake Issyk-Kul region

Main table of station data for 25d 20h, listing stations like SATY, ZHN, KURS, PRZ, KPKS, UZB, KOTS, MDOK, SHLS, TNSS, PDGK, MNBS, IZV, ARXS, CHKK, MTBS, KTBS, ULHL, KUU, KST.

2012 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KST, DJR, BOOM, DGS, TKM2, KZK, KAPS, KBK, USP, AAK, EKS2, MK31, MK31.

IDC 25 20:33:28.1±1.3, 17.62N, 120.92E, h0km, mb3.4/5,
mb1 3.5/5, mb1mx3.2/55, mbtmp3.4/5, Error ellipse:
s-maj=184.0km s-min=20.4km az=67.0
ISCJB 25 20:33:30.0±0.9, 17.55N, 0.1°x 120.06E, 0.1, h22km, mb3.3/5,
Error ellipse: s-maj=23.2km s-min=16.5km az=138.5
ISC 25 20:33:31.7-1.1, 17.55N, 0.2°x 120.7E, 0.2, h22km, n9,
c0579/6, mb3.2/5, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CVP, SONMG, WRA, ASAR, H1S3, H1S1, H1S2, KURBB, HFS.

MEX 25 20:52:01.2±35.0, 25.18N-99.17W, h20km, 999gkm, MD3.5,
Northern Mexico

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

ISCJB 25 20:59:39.0±0.4, 24.44N, 0.02°x 122.37E, 0.02, h69km, 5km,
Error ellipse: s-maj=3.9km s-min=2.6km az=163.3
JMA 25 20:59:39.0, 0.1, 24.39N, 122.35E, h74km, 2km, M1.9
TAP 25 20:59:39.4, 24.47N, 122.27E, h79km, ML2.7, C
ISC 25 20:59:39.3-1.3, 24.44N, 0.03°x 122.36E, 0.02, h71km, gkm,
n66, c0583/127, Taiwan region

Main table of station data for 2012 JUL, listing stations like EOS1, TWC, ENAH, JYNG, NANB, EGS, ENA, YOJ, NTC, TWE, TWP, NACB, ENT, TWD, NWF, WFSB.

1294

Main table of station data for 1294, listing stations like WFSB, NWLT, ENLB, NNSB, NNSH, NNS, YHNB, NSK, YM07, YM11, YM10, YM08, YM04, WHF, ESL, TWS1, TWT, TDCB, CHGB, EGFH, LIOB, IRIF, NSTT, EHY, YULB, SSSLB, SSSLB, SMLT, TWF1, TYC, JYRS, FULB, YUS, YUS, WJS, CHKT, CHKT, JIJ, WNT, ALS, ELDTW, ELDTW, CHN5, CHN5, JISG, JISG, TWH, TWH, STYT, STYT, TPUB, TPUB, WTP, WTP, TWGBT, TWGBT, TWG, TWG.

ARR	Arges	5.07 348	fP	Pn	21 29 45.4	+0.5
ARR	Arges	5.07 348	S	Sg	21 31 14.1	+2.1
ARR	Arges	5.07 348	fP	Pn	21 29 45.4	+0.5
VOIR		5.08 351	fP	Pn	21 29 45.2	+0.1
VOIR		5.08 351	P	Pn	21 29 45.0	-0.1
VOIR	comp=Z,70nm,0.6s		pmx			
VOIR		5.08 351	P	Pn	21 29 45.0	-0.1
ANTO	Ankara	5.09 94	fP	Pn	21 29 46.2	+0.9
ANTO	Ankara	5.09 94	ePn	Pn	21 29 45.2	-0.1
ANTO						
ANTO			eP	Pg	21 30 04.0	-2.9
ANTO			eS	Sg	21 31 08.9	-3.9
ANTO	Ankara	5.09 94	eP	Pn	21 29 45.2	-0.1
ANTO			pmx			
ANTO	Ankara	5.09 94	eP	Pn	21 29 45.2	-0.1
ANTO	comp=Z,306nm,0.7s					
ANTO	Ankara	5.09 94	eP	Pn	21 29 45.2	-0.1
ANTO	TLCR	5.09 94	eP	Pg	21 30 04.0	-2.9
ANTO	TLCR	5.13 21	fP	Pn	21 29 47.3	+1.6
ANTO	TLCR	5.13 21	fP	Pn	21 29 47.3	+1.6
ANTO	PVY	5.15 297	ePn	Pn	21 29 47.2	+1.0
ANTO	PVY	5.15 297	eS	Sn	21 30 44.9	-0.6
KUBS	Kucevo	5.20 322	eP	Pn	21 29 45.3	-1.3
KUBS	Kucevo	5.20 322	eP	Pn	21 29 45.3	-1.3
IDI	Anoia	5.23 192	Pn	Pn	21 29 46.6	-0.6
IDI	comp=Z,2.0nm,0.3s,baz=47,slow=14,SNR=14					
IDI						
IDI	comp=Z,3.9nm,0.3s,baz=357,slow=19,SNR=3.4					
IDI						
IDI	comp=Z,0.7nm,0.3s,baz=348,slow=20,SNR=1.9					
IDI	Anoia	5.23 192	fP	Pn	21 29 46.6	-0.6
HERR	Herculane	5.25 329	fP	Pn	21 29 47.4	+0.1
HERR	Herculane	5.25 329	S	Sg	21 31 13.2	-4.6
HERR	Herculane	5.25 329	fP	Pn	21 29 47.4	+0.1
ZKR	Zakros	5.30 180	P	Pn	21 29 48.3	+0.2
ZKR	Zakros	5.30 180	P	Pn	21 29 48.8	+0.7
BEY	Berane	5.31 299	ePn	Pn	21 29 49.4	+1.1
BEY						
IVA	Berane	5.31 299	ePn	Pn	21 30 49.1	-0.2
IVA						
SVIS	Svilajnac	5.32 318	ePn	Pn	21 30 49.1	-0.2
LOT	Lotru	5.32 341	fP	Pn	21 29 48.1	-0.4
LOT	Lotru	5.32 341	fP	Pn	21 29 48.1	-0.4
GRUS	Gruzu	5.34 312	ePn	Pn	21 29 48.7	+0.0
GRUS	Gruzu	5.34 312	ePn	Pn	21 29 48.7	+0.0
PETR	Petresti	5.35 81	fP	Pn	21 29 48.7	+0.0
PETR	Petresti	5.35 81	fP	Pn	21 29 48.7	+0.0
PLOR	Plostina	5.43 3	P	Pn	21 29 51.6	+1.7
PLOR	Plostina	5.43 3	P	Pn	21 29 51.6	+1.7
SJES	Sjenica	5.44 303	ePn	Pn	21 29 51.0	+1.0
VRI	Vrincioaia	5.45 4	P	Pn	21 29 51.7	+1.6
VRI	Vrincioaia	5.45 4	P	Pn	21 29 51.5	+1.4
VRI	comp=Z,662nm,0.7s					
VRI	Vrincioaia	5.45 4	P	Pn	21 29 51.5	+1.4
ULC	Ulcinj	5.46 289	ePn	Pn	21 29 52.0	+1.7
ULC	Ulcinj	5.46 289	eS	Sn	21 30 52.7	-0.1
ULC	Ulcinj	5.46 289	ePn	Pn	21 29 52.0	+1.7
ULC						
MDVR	Moldovita	5.46 324	fP	Pn	21 29 52.7	-0.2
MDVR	Moldovita	5.46 324	fP	Pn	21 29 50.1	-0.2
IVAS	Ivanjica	5.49 307	ePn	Pn	21 29 50.9	+0.2
IVAS	Ivanjica	5.49 307	ePn	Pn	21 29 50.9	+0.2
KOME	Kolasin	5.55 298	fP	Pn	21 29 53.2	+1.6
KOME	Kolasin	5.55 298	eS	Sn	21 30 55.0	-0.3
KOME	Kolasin	5.55 298	fP	Pn	21 29 53.2	+1.6
KOME	Kolasin	5.55 298	eS	Sn	21 30 55.0	-0.3
DRME	Dracevica, Mon	5.56 291	fP	Pn	21 29 53.3	+1.7
DRME	Dracevica, Mon	5.56 291	eS	Sn	21 30 54.9	-0.4
DRME	Dracevica, Mon	5.56 291	fP	Pn	21 29 53.3	+1.7
DRME	Dracevica, Mon	5.56 291	eS	Sn	21 30 54.9	-0.4
DOPR	Dopca	5.57 354	fP	Pn	21 29 52.7	+0.9
DOPR	Dopca	5.57 354	fP	Pn	21 29 52.7	+0.9
PDG	Podgorica	5.58 293	ePn	Pn	21 29 53.3	+1.4
PDG	Podgorica	5.58 293	fP	Pn	21 29 53.3	+1.4
PDG	Podgorica	5.58 293	fP	Pn	21 29 53.3	+1.4
PDG	Podgorica	5.58 293	eS	Sn	21 30 55.9	+0.1
TTG	Podgorica	5.58 293	fP	Pn	21 29 53.0	+1.1
TTG						
TRUS	Trudelj	5.72 313	ePn	Pn	21 29 53.6	-0.3
TRUS	Trudelj	5.72 313	ePn	Pn	21 29 53.6	-0.3
BRTR	Keskin Aray B	5.73 199	fP	Pn	21 29 55.4	+0.8
BRTR	comp=Z,4.5nm,0.3s,baz=260,slow=11,SNR=150					
BRTR						
BRTR	comp=Z,4.6nm,0.3s,baz=274,slow=16,SNR=6.1					
BRTR	comp=Z,0.7nm,0.3s,baz=255,slow=16,SNR=2.8					
BUM	Brajci-Budva	5.80 291	fP	Pn	21 29 56.6	+1.6
BUM	Brajci-Budva	5.80 291	eS	Sn	21 31 00.9	-0.4
BUM	Brajci-Budva	5.80 291	fP	Pn	21 29 56.6	+1.6
BUM	Brajci-Budva	5.80 291	eS	Sn	21 31 00.9	-0.4
PLE	Pljevlja	5.84 302	fP	Pn	21 29 56.9	+1.3
PLE	Pljevlja	5.84 302	eS	Sn	21 31 02.0	-0.5
PLE	Pljevlja	5.84 302	fP	Pn	21 29 56.9	+1.3
PLE	Pljevlja	5.84 302	eS	Sn	21 31 02.0	-0.5
CEME	Cevo	5.86 294	ePn	Pn	21 29 57.5	+1.8
CEME	Cevo	5.86 294	eS	Sn	21 31 02.7	-0.0
CEME	Cevo	5.86 294	ePn	Pn	21 29 57.5	+1.8
CEME	Cevo	5.86 294	eS	Sn	21 31 02.7	-0.0
DIVS	Divibare	5.88 311	ePn	Pn	21 29 56.0	-0.1
DIVS	Divibare	5.88 311	ePn	Pn	21 29 56.0	-0.1
NKY	Niksic	5.89 296	fP	Pn	21 29 57.4	+1.1
NKY	Niksic	5.89 296	eS	Sn	21 31 03.3	-0.4
NKY	Niksic	5.89 296	fP	Pn	21 29 57.4	+1.1
NKY	Niksic	5.89 296	eS	Sn	21 31 03.3	-0.4
NKME	Niksic	5.91 296	fP	Pn	21 29 58.0	+1.6
NKME	Niksic	5.91 296	eS	Sn	21 31 03.9	-0.0
NKME	Niksic	5.91 296	fP	Pn	21 29 58.0	+1.6
NKME	Niksic	5.91 296	eS	Sn	21 31 03.9	-0.0
DEV	Deva	5.96 337	P	Pn	21 29 57.7	+0.6
DEV	comp=Z,42nm,1.1s					
DEV	Deva	5.96 337	P	Pn	21 29 57.7	+0.6
DEV	comp=Z,42nm,1.1s					
TESR	Tescani	6.09 31	fP	Pn	21 29 59.8	+0.9
TESR	Tescani	6.09 31	fP	Pn	21 29 59.8	+0.9
BLSL	Lazići	6.10 307	ePn	Pn	21 29 59.9	+0.8
BLSL	Lazići	6.10 307	ePn	Pn	21 29 59.9	+0.8
UPM	Unac-Piva	6.11 299	fP	Pn	21 30 00.5	+1.2
UPM	Unac-Piva	6.11 299	fP	Pn	21 30 00.5	+1.2
UPM	Unac-Piva	6.11 299	fP	Pn	21 30 00.5	+1.2
UPM	Unac-Piva	6.11 299	eS	Sn	21 31 08.8	-0.2
HCY	Herceg Novi	6.12 292	fP	Pn	21 30 00.5	+1.1
HCY	Herceg Novi	6.12 292	eS	Sn	21 31 08.0	-0.6
HCY	Herceg Novi	6.12 292	fP	Pn	21 30 00.5	+1.1
HCY	Herceg Novi	6.12 292	eS	Sn	21 31 08.0	-0.6
BZS	Buzias	6.17 329	fP	Pn	21 29 59.4	-0.6
BZS	Buzias	6.17 329	S	Sg	21 31 43.9	-3.5
BZS	Buzias	6.17 329	fP	Pn	21 29 59.4	-0.6
BZS	Buzias	6.17 329	S	Sg	21 31 43.9	-3.5
BANR	Banloc	6.19 325	S	Sg	21 31 46.1	-1.7
BANR	Banloc	6.19 325	S	Sg	21 31 46.1	-1.7
BANR	Banloc	6.19 325	S	Sg	21 31 46.1	-1.7
BANR	Banloc	6.19 325	eS	Sn	21 30 08.8	+0.6
LEOM	Leova	6.23 13	fP	Pn	21 30 01.8	+1.0
LEOM	Leova	6.23 13	P	Pn	21 30 01.7	+1.0
LEOM	Leova	6.23 13	P	Pn	21 30 01.7	+1.0
TREB	Trebjine	6.31 294	ePn	Pn	21 30 03.5	+1.6
TREB	Trebjine	6.31 294	ePn	Pn	21 30 03.5	+1.6
TEKS	Tekeris	6.42 312	ePn	Pn	21 30 03.9	+0.5
TEKS	Tekeris	6.42 312	ePn	Pn	21 30 03.9	+0.5
HAPS	Han Pijesak, BI	6.50 307	ePn	Pn	21 30 04.3	-0.3
HAPS	Han Pijesak, BI	6.50 307	ePn	Pn	21 30 04.3	-0.3
BIZ	Bicaz	6.51 359	fP	Pn	21 30 06.0	+1.3
BIZ	Bicaz	6.51 359	fP	Pn	21 30 06.0	+1.3
CJR	Cluj-Napoca	6.56 344	fP	Pn	21 30 06.7	+1.3
CJR	Cluj-Napoca	6.56 344	P	Pn	21 30 06.7	+1.3
CJR	Cluj-Napoca	6.56 344	fP	Pn	21 30 06.7	+1.3
CJR	Cluj-Napoca	6.56 344	P	Pn	21 30 06.7	+1.3
FRGS	Fruska Gora	6.66 317	ePn	Pn	21 30 06.7	+0.0
FRGS	Fruska Gora	6.66 317	ePn	Pn	21 30 06.7	+0.0
ARCA	ARCALIA	6.79 349	fP	Pn	21 30 09.2	+0.7
ARCA	ARCALIA	6.79 349	fP	Pn	21 30 09.2	+0.7
STON	Ston	6.81 116	ePn	Pn	21 30 11.6	+2.8
IAS	IASI	6.84 8	fP	Pn	21 30 09.4	+0.3
IAS	IASI	6.84 8	P	Pn	21 30 10.5	+1.4
IAS	comp=Z,50nm,0.6s					
IAS	IASI	6.84 8	P	Pn	21 30 10.5	+1.4
IAS	comp=Z,50nm,0.6s					

KIS	Kishinev	6.84	15	eP	Pn	21 30 10.0	+0.8	
KIS	comp=Z,140nm,0.8s							
KIS				eS	LQM	Sn	21 31 20.0	-6.8
KIS				LQM	MLR	Pn	21 32 22.0	
KIS	comp=Z,1µm,14.0s							
KIS	comp=Z,400nm,9.0s							
KIS	Kishinev	6.84	15	eP	Pn	21 30 10.0	+0.8	
DRGR	DRGR	6.84	340	P	Pn	21 30 10.1	+0.8	
DRGR	DRGR	6.84	340	P	Pn	21 30 10.1	+0.8	
SEV	Sevastopol'	6.89	51	eS	Sn	21 30 09.0	-0.9	
SEV	Sevastopol'	6.89	51	eS	Sn	21 31 22.6	-5.4	
SEV	Sevastopol'	6.89	51	eS	Sn	21 30 09.0	-0.9	
PRAR	RASCA	6.93	0	fP	Pn	21 30 11.6	+1.1	
PRAR	RASCA	6.93	0	fP	Pn	21 30 11.6	+1.1	
PRAR	RASCA	6.93	0	fP	Pn	21 30 11.6	+1.1	
PRAR	RASCA	6.93	0	fP	Pn	21 30 11.6	+1.1	
YAL	Yalta	7.15	53	fP	Sn	21 30 12.4	-1.0	
YAL	Yalta	7.15	53	fP	Sn	21 31 27.9	-6.5	
YAL	Yalta	7.15	53	fP	Sn	21 30 12.4	-1.0	
YAL	Yalta	7.15	53	fP	Sn	21 31 27.9	-6.5	
BURAR	Bucovina Array	7.22	355	fP	Pn	21 30 16.3	+1.8	
BURAR	Bucovina Array	7.22	355	fP	Pn	21 30 16.3	+1.8	
BURAR	Bucovina Array	7.22	355	fP	Pn	21 30 16.3	+1.8	
BURAR	Bucovina Array	7.22	355	fP	Pn	21 30 16.3	+1.8	
MATE	Matera	7.23	275	fP	Pn	21 30 13.7	-0.8	
MATE	Matera	7.23	275	fP	Pn	21 30 13.7	-0.8	
MATE	Matera	7.23	275	fP	Pn	21 30 13.7	-0.8	
MATE	Matera	7.23	275	fP	Pn	21 30 13.7	-0.8	
DOB	Doboj	7.36	308	ePn	Pn	21 30 13.9	-2.4	
DOB	Doboj	7.36	308	ePn	Pn	21 30 13.9	-2.4	
TIP	Timpanagrade	7.37	263	fP	Pn	21 30 16.7	+0.2	
TIP	Timpanag							

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like MA2 Magadan, LZH Lanzhou, SEY Seymchan, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like YBH Yreka Blue Hor, I03D Drain, A03D Paynes Creek, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other parameters. Includes stations like BOZ Bozeman, YKA Yellowknife Array, BW06 Boulder Array, etc.

ISCJB 25:14:54.48.3.1.6.32.94S.0:08.71.79W.0:07.h8km, gkm, Error ellipse: s-maj=14.2km s-min=10.0km az=12.3 SJA 25:14:54.49.1.0.5.33.00S.7:1.69W, h32km, 4km, ML3.0, MW3.3 GUC 25:14:55.0.1.0.5.32.73S.71:59W, h37km, 7km, ML3.2 ISC 25:14:54.48.7.2.5.33.00S.0:09.71.7W.0:11.h8km, 15km, n14, o=37/18, 1C-2D, Near coast of central Chile

25d 25h

MEX 25 21:47:06.7,26.0,27.92N:112.04W,h20km,999km,MD3.6, Baja California

Table with columns: Code, Station Name, A°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SRIG Santa Rosalia, SRIG Guaymas, HSIG Guaymas.

IDC 25 22:02:47.9,1.4,37.77S:179.97E,h0km,mb4.3/4, mb1 4.4/6, mb1mx3.0/37, mbtmp3.6/36, ML4.1/2, MS3.6/12, Ms1 3.6/12, ms1mx3.3/39, Error ellipse: s-maj=60.4km s-min=23.9km az=159

NEIC 25 22:02:48.6,0.0,37.58S:179.83W,h12km,ML4.4(WEL), After WEL

WEL 25 22:02:48.0,38.9'18.0"W, h33km,ML4.6/37 ISC 25 22:02:48.3,6.3,37.93S:0.05:179.77W,0.08, h12km,ml2,n22,c1930/135,mb4.2/4,MS3.5/11,East of North Island

Main station list table for the first section, including stations like WMWG Waioamatatini S, PUK Puketiti, MZK Matakaoa Point, etc.

2012 JUL

comp=Z,59nm,18.0s,baz=292,slow=34 PMG Port Moresby 41.13 305 LR

Table with columns: Code, Station Name, A°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, ASAR Petropavlovsk, ASAR Warramunga Arr, etc.

WEL 25 22:06:32.0,38'S:9'18'0"W, h33km,ML4.0/15 IDC 25 22:06:33.4,3.6,37.02S:179.55E,h0km,mb4.0/2, mb1 4.2/3, mb1mx3.7/36, mbtmp3.9/3, ML3.5/1, Error ellipse: s-maj=34.3km s-min=13.2km az=159

ISC 25 22:06:31.2,2.6,37.82S:0.09:179.98W,0.10,h6km,ml2km, n23,c152/31,East of North Island

Table with columns: Code, Station Name, A°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WMWG Waioamatatini S, WMXZ Matakaoa Point, PUK Puketiti, etc.

IDC 25 22:14:12.2,1.4,43.90N:129.43W,h0km,mb3.8/7, mb1 4.0/12, mb1mx3.7/75, mbtmp3.8/12, ML3.4/5, MS3.6/19, Ms1 3.6/19, ms1mx3.3/66, Error ellipse: s-maj=34.1km s-min=14.4km az=43.0

ISCJTB 25 22:14.0,0.4,43.90N:129.13W,0.05,h13km, mb4.0/15,MS3.7/17, Error ellipse: s-maj=5.4km s-min=3.2km az=161.5

NEIC 25 22:16.1,0.5,44.20N:129.24W,h10km,mb4.2/4.0, Error ellipse: s-maj=6.7km s-min=3.8km az=66.0

ISC 25 22:16.4,0.8,44.16N:129.07W,0.08,h13km, n228,c1964/209,mb4.1/15,MS3.7/17,Off coast of Oregon

Main station list table for the second section, including stations like COR Corvallis, IO3D Drain, G03D McMinnville, etc.

B05A Bryant 6.35 47 P Pn 22 25 49.9 +0.3

Main station list table for the third section, including stations like JCW Jim Creek, O03D Paynes Creek, LTY Liberty, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like KURB, KURBB, DZM, TRF, ILAR, BVAR, BRVK, SCRK, EGAK, PALK, SVE, ARU, AKTO, PRGR, GEYT, KLMR, ARCES, MAK, VRH, YBH, PINE, LPSR, OBN, VSR, VORD, FIA, FINES, BMO, KBZ, KIV, PMOR, PPT, PPT2, NVAR, AKASG, KIEV, HFS, NB2, NOA, PDAR, RAYN, BRTR, ULM, MMAI, ANMO, KHC, GERES, TXAR.

Table with columns: Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like SAML, LPAZ, IDC, NEIC, NEIC, ISC, Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like JAP, GUIM, CUYO, SNPH, RCP, LPP, DPH, OTRP, SJMP, PAGZ, OCLP, CGP, BOAC, PGP, BUKP, DAV, MATI, DDMP, GUMO, CMAR, CHTO, JNU, KSAR, KSRK, MJAR, WRAB, WRA, USRK, ASAR, ASAJ, KLR, SONM, MKAR, NIL, KURBB, KURK, BVAR, RAYN, KIV, ILAR, BRTR, SPITS, FINES, INK, VVDA, PLCA, WEL, NEIC, IDC, ISC, Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like WMGZ, PUK, MZ, MXZ, CNZ, PKGZ, PRGZ, MWZ, MMHZ, KNZ, RAGZ, SHNZ, UNZ, URZ, URZ, URZ, WHRZ, WHZ, WHZ.

Table with columns: Code, Station Name, Az, El, Time, Res, ISC, H, M, S, ISC. Includes stations like WHZ, RTZ, RAHZ, EDZ, MUZ, MTHZ, ARHZ, OPZ, NMHZ, TARZ, BRZ, CKHZ, HLRZ, ALRZ, MRHZ, ANHZ, KHRZ, HSRZ, BKZ, KHZ, PKZ, KRHZ, RITZ, BHHZ, RAHZ, WPHZ, PRHZ, KATZ, PNHZ, KRZ, MOVZ, KUZ, TUZ, WTVZ, NGZ, ANZ, WHZ, COVZ, TSWZ, TZVZ, DVHZ, WAZ, MRZ, RMZ, TRVZ, PKE, KHEZ, KIW, CAV, MSWZ, PLWZ, SNZO, TCW, THWZ, OUZ, BSWZ, NNZ, KHZ, KHZ, THZ, THZ, LTZ, LTZ, OKZ, MOZ, MOZ, RAZ, DZM, DZM, HNR, VVDA, PMG, ASO, ASAR, WRA, WRA, GSPA, BATI, DAV, ARCES, KBZ, DBIC, MMAI, FINES, BRTR, EKA, CLL, GERES, PHP, PHP, PHP, PUK, PUK.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PUK Puka, UDBI Udbina, NLVI Novajia, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BLY, UDBI, NLVI, CRES, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PIG38.0000, GCMT, MOS, etc.

26d 1h

2012 JUL

1304

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BHGR, NDI, KHETI, MAKZ, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SHL, MDH, ZIRO, WSAR, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KBZ, ZAK, KVAR, KIV, etc.

26d 1h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like LANS, KRUS, FNA, ARAD, ARCES, BUD, etc.

2012 JUL

Table with columns for station name, frequency, mode, and signal strength. Includes stations like UPC, Ulice, Sopron, Kul'dur, etc.

1306

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KHC, NVLJ, CLL, etc.

26d 1h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like MDM Murphy Dome, BPAW Bear Paw Mtn, COLA College, etc.

2012 JUL

Table with columns: WRA, PPKPbC, PPKPbc, and other technical details. Includes stations like WRAB Tennant Creek, WRAB Tennant Creek, WRAB Tennant Creek, etc.

1308

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like D36A Goodland, LON Longmire, LON Longmire, etc.

J43A	Natural Harves	97.13 347	P	P	01 19 48.6	0.0
I39A	Houston	97.16 349	P	P	01 19 48.5	-0.2
I39A	Houston	97.16 349	eP	PdFif	01 19 49.2	+0.4
PINE	Pine Mountain	97.17 11	eP	PdFif	01 19 50.4	+1.3
J42A	Columbus	97.31 348	P	PdFif	01 19 49.4	0.0
SSPA	Standing Stone	97.32 339	P	P	01 19 49.5	0.0
I36A	Fitzsimmons Fa	97.33 351	P	PdFif	01 19 49.8	+0.3
SUSD	Miller	97.38 355	P	P	01 19 49.7	0.0
J41A	Loganville	97.41 348	P	P	01 19 49.7	-0.2
J40A	Soldiers Grove	97.49 349	P	P	01 19 50.1	-0.1
N54A	Moraine State	97.59 340	P	P	01 19 50.6	-0.1
J05D	Fort Rock, OR	97.62 11	P	PdFif	01 19 51.5	+0.5
YPP	Pitchstone Pla	97.68 3	eP	PdFif	01 19 54.1	+2.6
J39A	Decorah	97.70 349	P	P	01 19 51.1	-0.1
L48A	N Adams	97.73 344	P	P	01 19 51.3	0.0
J38A	Wedel Dairy, R	97.82 350	P	P	01 19 51.4	-0.3
O56A	Blue Knob Stat	97.85 339	P	P	01 19 51.8	-0.1
K42A	Prairie Point,	97.87 348	P	P	01 19 51.7	-0.3
FLWY	Flagg Ranch	97.88 3	eP	PdFif	01 19 54.3	+2.0
ECSO	EROS Data Cent	97.89 353	eP	PdFif	01 19 52.3	+0.3
ECSO	EROS Data Cent	97.89 353	eP	PdFif	01 19 52.9	+0.9
JFWS	Jewell Farm	97.89 348	P	P	01 19 51.8	-0.2
JFWS	Jewell Farm	97.89 348	eP	PdFif	01 19 52.4	+0.4
JFWS	Jewell Farm	97.89 348	eP	PdFif	01 19 52.4	+0.4
RSSD	Black Hills	97.93 359	P	PdFif	01 19 52.8	+0.3
RSSD	Black Hills	97.93 359	eP	PdFif	01 19 53.2	+0.7
RSSD	Black Hills	97.93 359	eP	PdFif	01 19 53.2	+0.7
J08A	Circle Bar Ran	97.93 9	eP	PdFif	01 19 53.2	+0.9
J37A	Redenius Farm,	97.97 351	P	PdFif	01 19 52.6	+0.2
J36A	Seneca 1, Swea	98.05 351	P	PdFif	01 19 53.2	+0.4
J36A	Seneca 1, Swea	98.05 351	eP	PdFif	01 19 53.6	+0.9
IMW	Indian Meadow	98.05 4	eP	PdFif	01 19 54.9	+1.8
HLID	Hailey	98.15 6	P	PdFif	01 19 53.5	+0.1
HLID	Hailey	98.15 6	eP	PdFif	01 19 54.0	+0.6
MFID	Camas Ranch	98.17 7	eP	PdFif	01 19 54.4	+1.0
K41A	Shullsburg	98.20 348	P	P	01 19 53.4	0.0
MOOW	Moose Ponds	98.21 3	eP	PdFif	01 19 55.3	+1.6
K40A	Colesburg	98.24 349	P	P	01 19 53.4	-0.2
FXWY	Fox Creek	98.30 4	eP	PdFif	01 19 55.6	+1.4
K39A	Oswein	98.34 350	P	P	01 19 53.6	-0.5
L43A	Garden Prairie	98.35 347	P	P	01 19 54.1	0.0
TPAW	Teton Pass	98.45 4	eP	PdFif	01 19 55.6	+0.7
N50A	Nevada	98.56 343	P	P	01 19 54.4	-0.6
REDW	Red Top Meadow	98.59 4	eP	PdFif	01 19 56.8	+1.3
L42A	Oliver, Polo	98.68 348	P	P	01 19 55.1	-0.5
L41A	Preston	98.75 348	P	P	01 19 55.4	-0.9
WVOR	Wild Horse Val	98.82 9	eP	PdFif	01 19 57.3	+0.5
WVOR	Wild Horse Val	98.82 9	eP	PdFif	01 19 57.3	+0.5
M45A	Boilermakers	98.84 346	P	P	01 19 55.8	-0.5
YBH	Yreka Blue Hor	98.89 13	LR	LR	02 08 00.7	
L39A	Vinton	98.93 349	P	P	01 19 56.0	-0.6
M44A	Midewin, Midw	98.99 346	P	P	01 19 55.7	-1.2
ACSO	Alum Creek Sta	99.03 342	P	PdFif	01 19 56.4	-0.8
L38A	Oak Wood Farm,	99.04 350	P	PdFif	01 19 56.4	-0.8
MOD	Modoc Plateau	99.11 11	eP	PdFif	01 19 58.4	+0.7
M02C	Callahan	99.20 13	P	PdFif	01 19 58.1	0.0
BW06	Boulder Array	99.24 3	P	PdFif	01 19 57.2	-1.2
PD31	Pinedale Array	99.24 3	eP	PdFif	01 19 59.3	+0.9
PDAR	Pinedale Array	99.24 3	P	PdFif	01 19 58.3	-0.1
PDAR	Pinedale Array	99.24 3	P	LR	02 08 10.0	
O49A	Covington	99.29 343	P	PdFif	01 19 57.6	-1.2
K22A	Casper	99.41 0	P	PdFif	01 19 58.1	-1.0
N45A	Kentland	99.42 346	P	PdFif	01 19 57.6	-1.2
O48A	Farmland	99.50 344	P	PdFif	01 19 58.3	-0.9
M39A	Post Highland	99.56 349	P	PdFif	01 19 58.8	-0.7
M39A	Webster	99.58 349	P	PdFif	01 19 59.1	-0.5
N02D	Trinity Center	99.63 13	P	PdFif	01 19 59.6	-0.4
N43A	Stutzman Famil	99.63 347	P	PdFif	01 19 59.8	0.0
M38A	Pleasantville	99.79 350	P	PdFif	01 20 00.3	-0.2
P50A	Jamestown	99.81 343	P	PdFif	01 20 00.2	-0.5
HVU	Hansel Valley	100.05 5	eP	PdFif	01 20 03.4	+1.5
HVU	Hansel Valley	100.05 5	eP	PdFif	01 20 03.4	+1.5
N40A	Mertquake, Sal	100.08 349	P	PdFif	01 20 01.2	-0.6
N39A	Derby Farms, D	100.22 350	P	PdFif	01 20 02.2	-0.3
HWUT	Hardware Ranch	100.30 4	eP	PdFif	01 20 04.1	+1.0
O03D	Paynes Creek	100.45 12	P	PdFif	01 20 02.3	-1.3
P47A	Martinsville	100.48 345	P	PdFif	01 20 02.5	-1.1
O41A	Pastleys Farm,	100.72 348	P	PdFif	01 20 04.0	-0.7
O41A	La Belle	100.87 349	P	PdFif	01 20 04.9	-0.4
N23A	Red Feather La	101.17 360	P	PdFif	01 20 06.6	-0.5
P38A	Dawn	101.59 350	P	PdFif	01 20 07.5	-1.1
P39B	Salisbury	101.62 350	P	PdFif	01 20 08.4	-0.3
DUG	Dugway, Tooele	101.62 5	P	PdFif	01 20 08.3	-0.6
DUG	Dugway, Tooele	101.62 5	eP	PdFif	01 20 10.4	+1.5
DUG	Dugway, Tooele	101.62 5	eP	PdFif	01 20 10.4	+1.5
SS1A	Beattyville	101.64 342	P	PdFif	01 20 08.4	-0.4

Q43A	New Douglas	101.67 347	P	PdFif	01 20 08.2	-0.7
R47A	Wooly Knot Far	101.68 344	P	PdFif	01 20 07.9	-1.0
Q42A	White Eagle	101.84 348	P	PdFif	01 20 09.1	-0.6
O20A	White River Ci	101.90 2	P	PdFif	01 20 08.7	-1.5
Q20A	White River Ci	101.90 2	eP	PdFif	01 20 11.7	+1.4
NLU	North Lily Min	101.91 5	eP	PdFif	01 20 10.6	+0.3
Q41A	Truxton	101.91 348	P	PdFif	01 20 09.0	-1.0
Q39A	Willow Grove F	102.09 350	P	PdFif	01 20 10.9	+0.1
ISCO	Idaho Springs	102.26 360	P	PdFif	01 20 11.2	-0.8
ISCO	Idaho Springs	102.26 360	eP	PdFif	01 20 13.8	+1.8
ISCO	Idaho Springs	102.26 360	eP	PdFif	01 20 13.8	+1.8
R41A	Rosebud	102.58 348	P	PdFif	01 20 12.4	-0.6
U53A	Fall Branch	102.59 341	P	PdFif	01 20 12.3	-0.8
T49A	Edmonton	102.60 343	P	PdFif	01 20 12.2	-0.9
U52A	Thorn Hill	102.77 341	P	PdFif	01 20 14.0	+0.1
T48A	Bowling Green	102.79 344	P	PdFif	01 20 13.1	-0.9
CCM	Cathedral Cave	102.79 348	P	PdFif	01 20 12.7	-1.2
NV01	Mina Array Sit	102.80 10	eP	PdFif	01 20 14.8	+0.5
NVAR	Mina Array Bea	102.80 10	P	PdFif	01 20 14.9	+0.6
R38A	Fenwick Farm,	103.06 350	P	PdFif	01 20 14.3	-0.8
U50A	Jamestown	103.10 343	P	PdFif	01 20 14.4	-1.0
T46A	Princeton	103.17 345	P	PdFif	01 20 14.3	-1.3
R11A	Troy Canyon, C	103.21 8	P	PdFif	01 20 15.4	-0.7
R11A	Troy Canyon, C	103.21 8	eP	PdFif	01 20 17.2	+1.2
U49A	Red Boiling Sp	103.23 343	P	PdFif	01 20 15.2	-0.7
S40A	Lebanon	103.44 349	P	PdFif	01 20 16.0	-0.9
S39A	Bolivar	103.47 350	P	PdFif	01 20 17.2	+0.2
PV22	Blue Mesa, Par	103.48 2	eP	PdFif	01 20 18.9	+1.6
T43A	Greenville	103.58 347	P	PdFif	01 20 17.4	0.0
S38A	Stockton	103.61 350	P	PdFif	01 20 17.3	-0.3
U47A	Clarksville	103.62 345	P	PdFif	01 20 17.2	-0.5
T42A	Van Buren	103.77 348	P	PdFif	01 20 17.8	-0.5
WVT	Waverly	104.04 345	P	PdFif	01 20 18.8	-0.8
SDCO	Great Sand Dun	104.31 360	eP	PdFif	01 20 21.7	+0.6
U93A	Green Forest	104.77 350	P	PdFif	01 20 22.7	-0.1
W48A	Pulaski	104.80 344	P	PdFif	01 20 22.2	-0.8
Y54A	Tignall	104.98 340	P	PdFif	01 20 23.3	-0.5
MMPO	Manual Prospec	105.25 10	P	PdFif	01 20 24.2	-0.9
ANMC	Albuquerque	107.11 0	P	PKIKP	01 24 43.2	+1.1
TASM	ASL Pad, Albuq	107.11 0	P	PKIKP	01 24 42.9	+0.9
TASL	Alamo Pit, Alb	107.11 0	P	PKIKP	01 24 43.0	+1.0
CIS	Catalina Islan	107.73 11	P	PKIKP	01 24 42.0	-1.0
MNTX	Cordias Mount	110.34 359	P	PKIKP	01 24 47.4	-0.6
TXAR	Lajitas Array	112.67 358	PdFif	PdFif	01 21 00.4	+2.2
TXAR	Lajitas Array	112.67 358	PdFif	PKIKP	01 24 52.9	+0.3
TXAR	Lajitas Array	112.67 358	PdFif	PKIKP	01 25 40.2	0.0
TXAR	Lajitas Array	112.67 358	PdFif	PKIKP	01 35 39.7	-0.8
SNAA	Sanac	119.93 201	PKP	PKP	01 25 08.6	-0.3
SDV	Santo Domingo	122.61 317	PKP	PKP	01 25 11.6	-0.5
VNA1	Neumayer-Stat	123.13 203	PKP	PKP	01 25 11.6	+0.6
PTGA	Pinedale Array	123.61 300	PKP	PKP	01 25 13.9	+0.1
VNA3	Neumayer Olymp	123.78 203	PKP	PKP	01 25 12.6	+0.3
BDFB	Brasilia	124.53 277	PKP	PKP	01 25 15.7	+0.2
VNDA	Vanda	126.61 164	PKP	PKP	01 25 18.0	+0.1
WNSP	Wanda	126.61 164	PKP	PKP	01 25 17.3	-0.3
ROSC	El Rosal	127.96 318	PKP	PKP	01 25 24.0	+1.4
ROSC	El Rosal	127.96 318	PKP	PKP	01 25 23.9	+1.4
QSPA	South Pole Qui	128.10 180	eP	PKP	01 25 21.1	+0.3
SAML	Samuel	131.69 296	eP	PKP	01 25 29.5	+0.4
SAML	Samuel	131.69 296	eP	PKP	01 25 29.5	+0.4
OTAV	Otavallo	134.00 320	eP	PKP	01 25 35.6	+1.5
OTAV	Otavallo	134.00 320	eP	PKP	01 25 35.6	+1.5
SIV	San Ignacio	134.78 287	PKP	PKP	01 25 35.0	+0.1
CPUP	Villa Florida	137.58 272	PKP	PKP	01 25 39.7	-0.1
CPUP	Villa Florida	137.58 272	PKP	SKP	01 28 59.0	-1.6
CPUP	Villa Florida	137.58 272	PKP	PKP	01 25 39.8	0.0
LPAZ	La Paz	140.19 293	PKP	PKP	01 25 45.6	0.0
LPAZ	La Paz	140.19 293	PKP	PKP	01 25 46.0	+0.4
LPAZ	La Paz	140.19 293	PKP	PKP	01 25 46.0	+0.4
PB01	IPOC Station P	144.16 288	eP	PKP	01 25 50.9	+0.5
PB04	IPOC Station P	145.42 287	eP	PKP	01 25 54.9	+0.4
TRQA	Trinquet	145.62 286	eP	PKP	01 25 54.7	-0.2
TRQA	Trinquet	145.62 286	eP	PKP	01 25 54.7	-0.2
TRQA	Trinquet	145.62 286	eP	PKP	01 25 57.9	0.0
G003	Copiap	148.29 279	eP	PKP	01 26 00.1	+1.5
LCO	Las Campanas	149.31 277	eP	PKP	01 26 03.0	-2.1
G004	Tololo Observa	149.90 275	eP	PKP	01 26 07.0	+0.6
PEL	Peludehue	150.96 269	eP	PKP	01 26 09.1	+0.6
ROCI	El Rocio	151.16 270	eP	PKP	01 26 08.8	-0.5
G005	Hualaë	152.53 266	eP	PKP	01 26 12.6	+0.6
PLCA	Paso Flores	152.63 254	PKP	PKP	01 26 13.1	+1.0
PLCA	Paso Flores	152.63 254	PKP	PKP	01 26 06.6	+1.6
PLCA	Paso Flores	152.63 254	PKP	PKP	01 26 13.1	+1.0
PLCA	Paso Flores	152.63 254	PKP	PKP	01 26 06.6	+1.6

NEIC 26 01:37:29.9.0.8, 19:15S:177:70W, h554km, 9km, mb4.2/68, Error ellipse: s-maj=10.6km s-min=5.5km az=137.0

ISCJB 26 01:37:30.3.0.2, 19:21S:177:72W, h570km, mb4.2/79, Error ellipse: s-maj=10.8km s-min=5.3km az=139.4

ISC 26 01

26d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANMO Albuquerque, WRH Wood River Hill, CCB Clear Creek Bay, etc.

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GLKZ Green Lake, RAO Raoul Island, RAO Raoul Island, etc.

IDC 26 02:04:18.5:54.0, 19.6SS:177.09W, h0km, mb4.1/3, mb1 4.3/3, mb1mx3.7-min=154.5km az=82.0, Fiji Islands region

NEIC 26 02:39:02.4:0.8, 31.1:50S:179.14W, h2km, mb4.9/53, Error ellipse: s-maj=9.1km s-min=6.4km az=145.0

IDC 26 02:39:04.2:0.2, 31.177S:179.05W, h0.06, h96km, n382.0, 01/370, mb4.8/70, 14C-8D, Kermadec Islands region

PAE	Paea	30.12 69 eT	T	03 15 40.8
PP2T	Papeete2	30.16 69 eLQ	LQ	02 51 14.9
PP2T	comp-Z, 4.23nm, 26.5s	eLR	LR	02 52 31.4
PP2T	comp-Z, 4.96nm, 29.2s	eLR	LR	03 15 45.4
PPT	Papeete2	30.16 69 eT	T	02 55 06.9
PPT	comp-Z, 5.4nm, 21.4s, baz=21.3, slow=32	eLR	LR	03 15 49.6
PVO	Taravao	30.31 70 eT	T	03 19 19.0
VAH	Vaihoo	33.03 67 eT	T	03 19 19.0
CTAO	Charters Tower	33.16 282 eP	P	02 45 33.8 +2.1
CTAO	Charters Tower	33.16 282 eP	P	02 45 33.8 +2.1
STKA	Stevens Creek	33.31 259 P	P	02 45 35.8 +2.9
STKA	comp-Z, 1.3nm, 0.7s, baz=95, slow=8.8, SNR=12	eLR	LR	02 56 53.8
STKA	Stevens Creek	33.31 259 eP	P	02 45 33.9 +1.1
STKA	Stevens Creek	33.31 259 eP	P	02 45 33.9 +1.1
AS01	Alice Springs	42.12 269 eP	P	02 46 47.3 +0.1
AS31	Alice Springs	42.12 269 eP	P	02 46 48.5 +1.0
AS31	comp-Z, 5.2nm, 0.8s	eScP	ScP	02 52 19.6 -2.5
ASAR	Alice Springs	42.16 269 P	P	02 52 58.0 +1.0
ASAR	comp-Z, 1.1nm, 0.4s, baz=105, slow=7.2, SNR=169	eScP	ScP	02 52 19.6 -2.5
ASAR	comp-Z, 3.0nm, 0.8s, baz=114, slow=4.4, SNR=1	eScP	ScP	02 52 59.5 -1.0
TAOE	Nuku Hiva Isla	42.68 66 eLQ	LQ	02 56 21.3
TAOE	comp-Z, 7.87nm, 27.0s	eLR	LR	02 58 12.1
WB2	Warramunga Arr	43.26 274 eP	P	02 46 56.8 +0.4
WB2	comp-Z, 4.4nm, 0.7s	eS	S	02 53 14.8 -1.8
WRAB	Tennant Creek	43.27 274 eP	P	02 46 57.4 +0.9
WRAB	comp-Z, 3.9nm, 0.8s	eS	S	02 46 57.1 +0.7
WR1	Warramunga Arr	43.27 274 eP	P	02 46 56.8 +0.3
WR1	comp-Z, 4.9nm, 0.8s	eP	P	02 48 43.3 -0.7
WR1	Warramunga Arr	43.27 274 eP	P	02 52 22.9 -3.6
WR1	comp-Z, 3.5nm, 0.5s, baz=112, slow=7.9, SNR=198	eS	S	02 53 14.9 -1.9
WRA	Warramunga Arr	43.27 274 eP	P	02 46 56.8 +0.3
WRA	comp-Z, 5.1nm, 0.8s, baz=121, slow=3.3, SNR=6.0	eScP	ScP	02 48 43.3 -0.7
WRA	comp-Z, 4.2nm, 0.8s, baz=116, slow=4.1, SNR=1	eS	S	02 53 14.9 -1.9
WRA	comp-Z, 6.9nm, 1.1s, baz=111, slow=13.9, SNR=6.8	eLR	LR	03 02 37.8
SBA	Scott Base	46.61 184 eP	P	02 47 28.1 +6.0
SBA	comp-Z, 3.5nm, 0.9s	eP	P	02 47 28.0 +5.9
SBA	Scott Base	46.61 184 P	P	02 47 26.7 +4.3
SBA	comp-Z, 4.6nm, 0.9s	eP	P	02 48 56.5 +1.9
VNDA	Vanda	46.65 186 P	P	02 52 38.9 -0.5
VNDA	comp-Z, 3.9nm, 0.7s, baz=356, slow=8.6, SNR=24	eP	P	02 52 38.9 -0.5
VNDA	comp-Z, 3.0nm, 0.9s, baz=321, slow=5.4, SNR=4.3	eScP	ScP	03 05 25.8
VNDA	comp-Z, 1.1nm, 0.7s, baz=345, slow=6.0, SNR=5.5	eLR	LR	02 47 27.1 +4.7
VNDA	Vanda	46.65 186 eP	P	02 48 56.5 +1.9
VNDA	comp-Z, 4.6nm, 0.8s	eScP	ScP	02 52 38.9 -0.5
VNDA	Vanda	46.65 186 eP	P	02 47 27.1 +4.7
VNDA	Vanda	46.65 186 eP	P	02 48 56.5
MTN	Mannton Dam	49.33 281 eP	P	02 47 44.0 +0.1
KIP	Kipapa	56.60 241 eP	P	02 48 34.5 -2.6
SOEI	Soe	56.67 280 eP	P	02 48 40.8 +2.7
GUMO	Guam	56.84 317 LR	LR	03 10 45.6
QSPA	South Pole Qu	58.34 180 eP	P	02 48 52.7 +3.6
QSPA	comp-Z, 3.9nm, 0.8s, baz=36.3, SNR=81	eLR	LR	03 09 12.8
DAV	Davao City (W)	65.40 296 LR	LR	03 17 19.2
SYO	Syowa Base	75.58 193P	P	02 50 38.4 +0.5
SNA	Sanae	76.81 179 P	P	02 50 46.6 +1.6
SNA	Sanae	76.81 179 P	P	02 50 46.6 +1.6
SNA	comp-Z, 10.0nm, 1.0s, baz=177, slow=6.0, SNR=30	eS	S	03 00 26.1 +1.8
VNA3	Neumayer-Stat	77.00 176 P	P	02 50 47.4 +1.4
NVL	N'azarevskaya	77.46 184 eP	P	02 50 51.2 +2.7
NVL	comp-Z, 1.0nm, 0.5s, baz=172, slow=7.5, SNR=5.3	eS	S	03 00 47.9 +1.7
VNA1	Neumayer-Stat	77.66 177 P	P	02 50 51.5 +1.9
MJAR	Matsushiro Arr	78.86 326 P	P	02 50 53.9 -2.8
MJAR	comp-Z, 0.8nm, 0.5s, baz=172, slow=7.5, SNR=5.3	eLR	LR	03 24 48.1
MAJO	Matsushiro	78.86 326 eP	P	02 50 53.9 -2.8
MAJO	comp-Z, 1.2nm, 18.4s, baz=220, slow=35	eP	P	03 21 03.1
JNU	Matsushiro	78.86 326 LR	LR	02 51 09.6 +0.3
ERM	Ermo	81.25 332 eP	P	02 51 09.6 +0.3
ERM	comp-Z, 2.0nm, 19.0s, baz=122, slow=32	eP	P	02 51 16.9 +2.0
PLCA	Paso Flores	82.23 133 P	P	03 20 08.7
PLCA	comp-Z, 8.0nm, 0.9s	eP	P	02 51 17.0 +2.0
PLCA	comp-Z, 19.0nm, 0.8s, baz=250, slow=5.8, SNR=30	eLR	LR	02 51 17.0 +2.0
PLCA	comp-Z, 5.6nm, 18.8s, baz=189, slow=30	eP	P	02 51 17.0 +2.0
PLCA	Paso Flores	82.23 133 eP	P	02 51 17.0 +2.0
PLCA	comp-Z, 5.5nm, 0.9s	eP	P	03 24 29.1
ASAJ	Asahikawa	83.25 333 LR	LR	02 51 24.8 -0.7
TJN	Tajon	84.34 319 eP	P	02 51 26.4 -1.4
KSR5	Korea Array	84.81 320 P	P	02 51 26.4 -1.4
KS15	Wonju Array S1	84.83 320 eP	P	02 51 26.4 -1.5
KSAR	Wonju Array Be	84.83 320 P	P	02 51 26.4 -1.5
KSAR	Wonju Array Be	84.83 320 P	P	02 51 26.4 -1.5
KS01	Wonju Array S1	84.83 320 eP	P	02 51 26.4 -1.5
YSS	Yuzh-Sakhalins	85.59 335 eP	P	02 51 29.6 -1.9
YSS	comp-Z, 2.0nm, 0.4s	eP	P	03 25 44.1
LP1G	La Paz	86.02 59 LR	LR	02 51 37.3 +1.2
NJ2	Nanjing	86.46 311 eP	P	02 51 36.6 -0.3
NJ2	comp-Z, 1.3nm, 0.5s	eP	P	03 22 43.8
PKM	Mcherson Peak	86.57 45 P	P	02 51 40.7 +0.4
PETK	Petrovlovsk-	86.92 346 LR	LR	02 51 40.6 -0.1
ARVC	Arvin	87.33 45 P	P	02 51 40.8 0.0
MONP2	Monument Peak	87.35 48 P	P	02 51 40.6 -0.1
IKP	Ik-Ko-Pah, Jac	87.39 49 P	P	02 51 40.5 -0.6
BFSC	Mount Baldy Ra	87.46 47 P	P	02 51 41.7 -0.2
FRD	Ford Ranch, An	87.63 48 P	P	02 51 41.0 -0.8
VES	Vestal, Richgr	87.66 45 P	P	02 51 41.0 -0.8
EDW2	Edwards Air Fo	87.68 46 P	P	02 51 41.6 -0.5
SWSC	Sam W. Stewart	87.78 49 P	P	02 51 42.3 -0.2

PFO	Pinyon Flats O	87.80 48 P	P	02 51 42.5 -0.2
ISA	Isabella, Lake	87.90 45 P	P	02 51 42.9 -0.2
ISA	Isabella, Lake	87.90 45 eP	eP	02 51 43.2 0.0
ISA	Isabella, Lake	87.90 45 eP	eP	02 51 43.2 0.0
LRMC	Laurel Mtn Rad	88.26 46 P	P	02 51 44.8 -0.1
BELC	Belle Mtn, Jos	88.34 48 P	P	02 51 45.0 -0.3
CMB	Columbia Colle	88.38 42 eP	eP	02 51 44.6 -0.7
CMB	Columbia Colle	88.38 42 eP	eP	02 51 44.6 -0.7
BC3	Big Chuckwalla	88.46 48 P	P	02 51 46.0 +0.1
GLA	Glamis	88.47 49 P	P	02 51 46.1 +0.2
GLA	Glamis	88.47 49 eP	eP	02 51 46.7 +0.8
GLA	Glamis	88.47 49 eP	eP	02 51 46.7 +0.8
CWC	Cottonwood Cre	88.66 45 P	P	02 51 46.1 -0.7
HEC	Hector, Ludlow	88.67 47 P	P	02 51 46.3 -0.5
AFDM	Forest Hills D	88.68 41 eP	eP	02 51 46.0 -0.7
GSC	Goldstone, Bar	88.68 46 P	P	02 51 46.5 -0.4
GSC	Goldstone, Bar	88.68 46 eP	eP	02 51 46.8 0.0
GSC	Goldstone, Bar	88.68 46 eP	eP	02 51 46.8 0.0
MPMC	Manual Prospe	88.76 45 P	P	02 51 46.8 -0.6
OMMB	Old Mammoth M	88.90 43 eP	eP	02 51 47.8 -0.3
IRM	Iron Mountain	88.98 48 P	P	02 51 48.4 -0.2
TIN	Tinemaha, Big	88.98 44 P	P	02 51 47.6 -0.7
GMRC	Granite Mounta	89.06 47 P	P	02 51 48.3 -0.4
214A	Org Pipe Nat	89.10 51 P	P	02 51 48.9 +0.1
Y12C	Blythe	89.12 49 P	P	02 51 48.7 0.0
Y12C	Blythe	89.12 49 eP	eP	02 51 49.0 +0.2
Y12C	comp-Z, 1.0nm, 1.0s	eP	P	02 51 48.3 -0.5
O03D	Paynes Creek	89.15 40 P	P	02 51 47.7 -1.2
WAKR	Walker	89.25 43 eP	eP	02 51 49.3 -0.3
TUQ	Turquoise Moun	89.32 47 P	P	02 51 49.6 -0.2
M02C	Callahan	89.35 39 P	P	02 51 49.6 -0.2
SHOC	Shoshone, Teco	89.40 46 P	P	02 51 49.7 -0.4
FURC	Furnace Creek,	89.41 45 P	P	02 51 49.7 -0.4
GRAC	Grapevine Rang	89.46 45 P	P	02 51 49.8 -0.6
PNTR	Pin Nut	89.55 42 eP	eP	02 51 50.9 -0.2
LDFC	Landfair	89.59 47 eP	eP	02 51 52.0 +0.9
BEKR	Beckworth	89.65 41 eP	eP	02 51 50.7 -0.7
YBH	Yreka Blue Hor	89.67 39 LR	LR	03 26 31.0
YERR	Yerington	89.69 42 eP	eP	02 51 51.0 -0.6
PDMCI	Parker Dam, Lak	89.71 49 P	P	02 51 51.4 -0.2
NV01	Mina Array Sit	89.86 43 eP	eP	02 51 51.3 -1.1
NVAR	Mina Array Bea	89.86 43 eP	eP	02 51 51.5 -0.9
RYN	Ryan	89.86 43 eP	eP	02 51 51.9 -0.4
NV11	Mina Array Sit	89.94 43 eP	eP	02 51 52.1 -0.6
PAHR	Pah Rah Rang	90.09 42 eP	eP	02 51 52.7 -0.7
TPNV	Topopah Spring	90.10 45 P	P	02 51 53.0 -0.5
TPNV	Topopah Spring	90.10 45 eP	eP	02 51 53.4 -0.1
TPNV	Topopah Spring	90.10 45 eP	eP	02 51 53.4 -0.1
TPNV	comp-Z, 5.0nm, 0.8s	eP	P	02 51 54.1 -0.8
KVN	Kaiserley	90.39 43 eP	eP	02 51 54.1 -0.8
KVN	Kaiserley	90.39 43 eP	eP	02 51 54.1 -0.8
SHPC	Sheep Rang	90.46 48 eP	eP	02 51 55.7 +0.3
TUC	Tucson	90.67 52 P	P	02 51 56.7 +0.6
TUC	Tucson	90.67 52 eP	eP	02 51 56.8 +0.6
TUC	comp-Z, 1.5nm, 0.8s	eP	P	02 51 58.5 +2.6
CN2	Changchun	90.69 323 eP	eP	02 51 55.2 -0.8
I03D	Drain, OR	90.72 37 P	P	02 51 55.2 -0.8
K04D	Chiloquin, OR	90.80 38 P	P	02 51 56.5 -0.1
J04D	Umpqua Nationa	91.04 38 P	P	02 51 56.9 -0.9
HP1G	comp-Z, 6.7nm, 0.9s	eP	P	02 51 58.1 -0.2
MOD	Modoc Plateau	91.08 40 eP	eP	03 02 52.4 +4.7
MOD	comp-Z, 4.7nm, 1.1s	eS	S	02 51 58.1 -0.5
TL1G	Tiapa	91.27 37 eP	eP	02 52 01.0 +1.5
R11A	Troy Canyon, C	91.41 45 P	P	02 51 58.5 -1.1
GYA	Guyang	91.45 300 eP	eP	02 52 02.5 +2.5
J05D	Fort Rock, OR	91.53 38 P	P	02 51 59.1 -0.9
KLR	Kul'dur	91.77 330 eP	eP	02 52 02.0 -1.7
LCMT	Little Creek M	91.99 47 eP	eP	02 52 02.2 -0.2
PINE	Pine Mountain	92.03 38 eP	eP	02 52 02.2 -0.2
I05D	Terrebonne, OR	92.21 37 P	P	02 52 02.6 -0.4
WUAZ	Wupatki	92.24 49 P	P	02 52 03.1 -0.4
WUAZ	Wupatki	92.24 49 eP	eP	02 52 03.8 +0.3
CCUT	Cedar City	92.25 46 eP	eP	02 52 03.8 +0.2
KNB	Kanab	92.25 47 eP	eP	02 52 03.8 +0.2
WVOR	Wild Horse Val	92.35 40 eP	eP	02 52 03.8 -0.8
WVOR	Wild Horse Val	92.35 40 eP	eP	02 52 03.8 -0.8
PSUT	Pine Spring	92.57 45 eP	eP	02 52 04.7 -0.3
PKCU	Pink Cliffs	92.84 47 eP	eP	02 52 07.2 -0.8
CM31	Chiang Mai Arr	93.01 290 eP	eP	02 52 07.9 +0.7
CMAR	Chiang Mai Arr	93.01 290 P	P	02 52 07.9 +0.7
CMAR	comp-Z, 1.0nm, 0.3s, baz=133, slow=4.0, SNR=5.4	eLR	LR	03 36 54.0

J08A	Circle Bar Ran	93.06 40 eP	P	02 52 06.8 -0.2
KMI	Kunming	93.64 297 P	P	02 52 12.5 +2.2
KMI	comp-Z, 1.6nm, 0.5s	eP	P	02 52 10.6 -0.5
LTX	Lajitas	93.88 58 eP	eP	02 52 10.6 -0.5
LTX	Lajitas Ar. Si	93.88 58 eP	eP	02 52 10.6 -0.5
TX31	Lajitas Array	93.88 58 P	P	02 52 10.6 -0.5
TXAR	Lajitas Array	93.88 58 P	P	03 26 45.3
TXAR	comp-Z, 1.9nm, 0.8s, baz=205, slow=7.7, SNR=19	eLR	LR	03 27 27.5
NNA	Nana	93.91 107 LR	LR	02 52 11.1 -0.5
MNTX	Cornudas Mount	94.01 55 P	P	02 52 11.3 -0.4
G08A	Pilot Rock	94.09 38 eP	eP	02 52 14.2 +1.7
MA2	Magadan	94.38 345 eP	eP	02 52 14.2 +1.7
MA2	comp-Z, 2.20nm, 2.3s	eP	P	02 52 15.7 +1.6
NLU	North Lily Min	94.54 45 eP	eP	02 52 26.6 +1.2
NLU	comp-Z, 2.7nm, 1.2s	eP	P	02 52 13.1 -0.8
MFID	Camas Ranch	94.55 41 eP	eP	02 52 14.8 0.0
TMUT	Trail Mountain	94.66 46 eP	eP	02 52 15.9 -0.9
TASM	ASI, Rad, Albuq	95.13 52 P	P	03 32 13.0
TASM	comp-Z, 3.4nm, 0.9s	eP	P	02 52 15.8 -1.1
ANMO	Albuquerque	95.13 52 LR	LR	02 52 16.1 -0.5
ANMO	Albuquerque	95.13 52 P	P	02 52 16.5 -0.7
ANMO	Albuquerque	95.13 52 iP	iP	0

26d 4h

Table with columns: WORD, Divnogorie, 145.93 316, ePKIKP, PKPdf, pmax, 02 58 29.8 -1.5, etc.

IDC 26 03:30:12.6:10.0, 37:30N, 76:18E, h0km, mb3.8/3, mb1 3.7/4, mb1mx3.2/60, mbtmp3.7/4, ML2.7/1, MS3.1/1, Ms1 3.1/1, ms1mx2.2/61, Error ellipse: s-maj=194.4km s-min=34.8km az=141.0

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

2012 JUL

Table with columns: MAKZ, comp=E, 1.2nm, 0.5s, 10.58 46 eP, Pn, smax, 03 34 39.9 -1.9, etc.

ISCJB 26 03:30:20.8:1.3, 25:03N, 123:43E, h0km, mb3.4/2, Error ellipse: s-maj=10.9km s-min=6.0km az=2.4

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

MAN 26 03:33:30.5, 9.78N, 123:53E, h3km, mb4.1, ML2.9, MS2.6, 3C, Negros

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

IDC 26 03:42:18.6:4.5, 39.43N, 110:32E, h0km, mb3.6/3, mb1 3.8/4, mb1mx3.4/66, mbtmp3.6/4, ML2.8/1, Error ellipse: s-maj=92.1km s-min=24.9km az=85.0, Western Nei Mongol

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

IDC 26 03:48:08.6:1.5, 24:65N, 122:69E, h0km, mb3.7/4, mb1 3.8/5, mb1mx3.4/59, mbtmp3.7/5, MS3.3/14, Ms1 3.4/14, ms1mx3.0/57, Error ellipse: s-maj=66.9km s-min=24.2km az=176.5

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

JMA 26 03:47:45.8:0.3, 25:01N, 123:41E, h19km, M3.3, Northeast of Taiwan

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

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

SOME 26 03:56:49.9, 41:87N, 81:58E, h0km, NNC 26 03:56:50.2, 3.4, 41:90N, 81:89E, h0km, mb3.0, mpv2.5, Error ellipse: s-maj=27.9km s-min=16.6km az=174.0

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

MEX 26 04:06:56.6:0.3, 16:27N, 98:30W, h3km, M3.0, MD3.9, Near coast of Guerrero

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

ISCJB 26 04:44:53.5:1.5, 25:03N, 123:43E, h0km, mb3.6/4, mb1 3.7/5, mb1mx3.3/55, mbtmp3.6/5, ML3.6/1, MS3.0/3, Ms1 3.0/3, ms1mx2.5/53, Error ellipse: s-maj=66.4km s-min=24.2km az=68.0

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

ISC 26 04:44:54.4:1.7, 24:39N, 123:46E, h0km, mb3.6/4, n15, 0:90/18, mb3.4/4, Southwestern Ryukyu Islands

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

SOME 26 04:49:56.9, 43:27N, 81:88E, h5km, NNC 26 04:49:59.2, 3.5, 43:25N, 81:78E, h0km, mb2.7, mpv2.4, Error ellipse: s-maj=34.7km s-min=12.4km az=145.0

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

KPKS	Kokpek	61.77	10	eP	P	05 43 49.5	-2.3
KPKS	comp=Z,2.3nm,0.8s				S	05 52 12.0	-2.3
KPKS				eS	LR	06 06 43.9	
KUU	Kury	61.83	8	eP	P	05 43 50.3	-1.8
KUU	comp=Z,2um,16.6s						
NVL	N'lazarevskaya	62.19	198	ijP	P	05 44 01.6	+7.5
NVL	comp=Z,9.8nm,1.1s					05 44 33.7	
NVL				f	S	05 52 25.3	+6.5
NVL					pmax		
AKH	Akhalkalaki	62.35	341	eP	P	05 43 55.0	-0.8
AKH	comp=Z,98nm,1.2s						
AKH	Akhalkalaki	62.35	341	eP	P	05 43 55.0	-0.8
AKH	comp=Z,409nm,1.8s						
AKH	Akhalkalaki	62.35	341	eP	P	05 43 55.0	-0.8
AKH	comp=Z,409nm,1.8s						
MGY	Tagaylay City	62.42	63	LR	LR	06 06 28.5	
MGY	comp=Z,4um,21.9s,baz=244,slow=32						
MTN	Manton Dam	62.50	96	eP	P	05 43 56.0	-1.1
MTN	comp=Z,1.70nm,1.8s						
MAK	Makhachkala	62.64	345	eP	P	05 43 57.9	+0.4
MAK	comp=Z,151nm,1.2s					05 46 18.3	
MAK				eS	pmax	05 52 26.9	+1.9
MAK					pmax		
BTL5	Baital	62.69	6	eP	P	05 43 56.0	-1.7
BTL5	comp=Z,3.7nm,0.9s						
ASAR	Alice Springs	63.08	108	P	P	05 43 57.8	-3.2
ASAR	comp=Z,15m,0.8s,baz=272,slow=6.0,SNR=53					06 07 37.2	
ASAR							
AS31	Alice Springs	63.08	108	eP	P	05 43 57.9	-3.1
AS31	comp=Z,3.9nm,21.9s,baz=270,slow=32						
AS01	Alice Springs	63.12	108	eP	P	05 43 56.7	-4.6
ENH	Enshi	63.17	42	eP	P	05 43 59.7	-1.6
ENH	comp=Z,108nm,1.0s						
ENH					LR		
GROC	Groznyy	63.32	343	eP	P	05 43 57.5	-4.5
GROC	comp=Z,197nm,1.4s					05 44 35.1	
GROC				eS	pmax	05 52 27.5	-6.0
GROC					pmax		
DAV	Davao City (W)	63.45	73	LR	LR	06 09 41.3	
DAV	comp=Z,4um,21.9s,baz=238,slow=34						
DAV	Davao City (W)	63.45	73	eP	P	05 44 05.1	+1.6
DAV	comp=Z,4um,21.9s,baz=238,slow=34					05 44 10.1	+6.5
DAV	Davao City (W)	63.45	73	PFAKE	LR		
ZEI	Tsey	63.48	342	eP	P	05 44 02.0	-1.3
ZEI	comp=Z,39um,22.0s						
ZEI					pmax		
WRA	Warramunga Arr	64.08	104	P	P	05 44 04.8	-2.8
WRA	comp=Z,4.7nm,1.3s						
WRA	Warramunga Arr	64.08	104	P	P	05 44 04.8	-2.8
WRA	comp=Z,3.1nm,1.0s,baz=266,slow=5.8,SNR=50					06 08 15.7	
WRA					LR		
WRA					PKP2ab		
WRA	comp=Z,1.0um,22.0s,baz=265,slow=5.3					06 13 15.0	
WB2	Warramunga Arr	64.09	104	eP	P	05 44 04.9	-2.8
WB2	comp=Z,1.3nm,1.1s,baz=70,slow=4.0,SNR=3.2						
WRAB	Tennant Creek	64.09	104	eP	P	05 44 04.6	-3.1
WRAB	comp=Z,1.48nm,1.2s						
WRAB	Tennant Creek	64.09	104	eP	P	05 44 04.6	-3.1
WRAB	comp=Z,98nm,1.0s						
WRAB					LR		
WRAB					LR		
WRAB	comp=Z,1.1um,22.0s					05 44 05.4	-2.3
WRAB	Tennant Creek	64.09	104	eP	P	05 44 05.4	-2.3
WRAB	comp=Z,4.3nm,1.0s						
LZH	Lanzhou	64.09	33	eP	P	05 44 07.3	-0.2
LZH	comp=Z,1.3nm,1.1s,baz=70,slow=4.0,SNR=3.2					05 44 10.8	-1.9
LZH				eS	pmax	05 52 43.3	+1.5
LZH				sS	pmax	05 52 51.5	+1.5
LZH				SS	pmax	05 56 53.8	+0.4
LZH					pmax		
LZH	comp=Z,98nm,1.5s						
LZH					pmax		
LZH	comp=Z,2um,8.7s						
LZH	comp=Z,6um,17.0s						
LZH	comp=Z,10um,17.4s						
LZH	comp=Z,1.1um,18.5s						
WMQ	Urumqi	64.14	17	P	P	05 44 05.3	-2.2
WMQ	comp=Z,1.1um,18.5s					05 44 17.8	+3.1
WMQ				sP	pmax	05 46 46.3	+7.4
WMQ				SS	pmax	05 52 46.8	+2.9
WMQ					pmax		
WMQ	comp=Z,3.7nm,0.7s						
WMQ	comp=Z,470nm,3.7s						
WMQ	comp=Z,2.0um,18.7s						
WMQ	comp=Z,1.4um,21.5s						
WMQ	comp=Z,2.3um,25.3s						
NCK	Nalchik	64.22	342	iP	P	05 44 08.7	+0.8
NCK	comp=Z,4.0nm,0.5s						
NEY	Neytrino	64.26	341	eP	P	05 44 10.6	+2.2
NEY	comp=Z,1.0nm,0.8s						
ISP	Isparta	64.53	329	iP	P	05 44 19.8	+1.0
ISP	comp=Z,1.2nm,0.8s						
PLP	Palo	64.60	68	ijP	P	05 44 10.0	-1.0
BR131	Keskin Array S	64.61	333	eP	P	05 44 09.2	-1.6
BRTR	Keskin Array B	64.61	333	eP	P	05 44 08.5	-2.3
BRTR	comp=Z,1.6nm,0.7s,baz=134,slow=8.4,SNR=7.5					06 10 15.4	
BRTR					LR		
BRTR	Keskin Array B	64.61	333	eP	P	05 44 13.1	+2.3
BRTR	comp=Z,4um,20.2s,baz=140,slow=34						
KBZ	Khabaz	64.64	341	eP	P	05 44 10.5	-0.1
KBZ	comp=Z,3.4nm,0.7s,baz=178,slow=9.4,SNR=8.1					06 11 33.7	
KBZ					LR		
KBZ	comp=Z,6um,21.0s,baz=160,slow=35						
KVAR	Kislovodsk Arr	64.91	341	P	P	05 44 13.2	+0.7
KVAR	comp=Z,6.0nm,0.5s,baz=113,slow=7.8,SNR=3.1					06 11 40.4	
KIV	Kislovodsk	64.91	341	eP	P	05 44 14.9	+2.3
KIV	comp=Z,5um,20.4s,slow=35						
KIV	comp=Z,5.1nm,1.2s						
KIV	Kislovodsk	64.91	341	ijP	P	05 44 14.8	+2.3
KIV	comp=Z,6um,20.0s					05 44 46.6	
KIV				e	S	05 46 38.1	
KIV				i	S	05 53 09.3	+1.6
KIV					pmax		
ANTO	Ankara	65.11	332	PFAKE	LR	05 44 30.0	+1.6
ANTO	comp=Z,9um,21.0s						
XAN	Xi'an	65.43	38	P	P	05 44 14.5	-1.6
XAN	comp=Z,350nm,5.1s					05 53 01.0	+0.9
XAN					S		
XAN					pmax		
XAN	comp=Z,3.5um,27.3s						
XAN	comp=Z,4um,24.0s						
XAN	comp=Z,3um,23.0s						
SOC	Sochi	65.53	339	eP	P	05 44 23.7	+7.2
SOC	comp=Z,60nm,1.2s					05 53 15.9	+1.5
SOC					MLR		
SOC	comp=Z,2um,16.0s						
MAKZ	Makanchi	65.60	12	eP	P	05 44 12.4	-4.5
MAKZ	comp=Z,7.2nm,1.5s						
MAKZ	Makanchi	65.60	12	eP	P	05 44 12.4	-4.5
MAKZ	comp=Z,7.2nm,1.5s						
MAKZ					pmax		
MAKZ					pmax		
MAKZ	comp=Z,7.2nm,1.5s					05 44 15.7	-1.5
MAKZ	comp=Z,7.2nm,1.5s					05 44 15.7	-1.5
MAKZ	comp=Z,5.7nm,1.0s,baz=201,slow=6.5,SNR=19					06 11 34.1	
MAKZ					LR		
MAKZ	comp=Z,5um,20.0s,baz=192,slow=35					06 13 06.5	
MAKZ					PKP2ab		
MAKZ	comp=Z,0.2nm,0.5s,baz=86,slow=4.9,SNR=2.9						
MAKZ	Makanchi Array	65.65	12	eP	P	05 44 15.7	-1.5
MAKZ	comp=Z,1.38nm,0.8s						
MAKZ					P'ab		
MAKZ					P'ab	06 13 06.5	+7.4

MKAR	Makanchi Array	65.65	12	eP	P	05 44 15.5	-1.7
GOF	Gofitskoye	65.81	342	eP	P	05 44 24.5	+6.3
OZH	Qanzhou	66.18	52	P	P	05 44 26.5	+5.5
OZH				S	LR	05 53 13.5	+4.1
OZH	comp=Z,10um,25.4s				LR		
OZH	comp=Z,6um,27.0s				LR		
OZH	comp=Z,3um,20.4s				LR		
WHN	Wuhan	66.51	44	P	P	05 44 16.8	-6.2
WHN	comp=N,57um,34.2s				S	05 53 06.0	-7.3
WHN					LR		
WHN	comp=E,11um,23.3s				LR		
WHN	comp=Z,20um,28.2s				LR		
APE	Apeiranthos	66.54	325	ijP	P	05 44 26.8	+3.6
APE	Apeiranthos	66.54	325	ijP	P	05 44 26.0	+2.8
APE					pmax		
AB31	Akbulak array	66.75	355	iP	P	05 44 19.7	-4.4
AB31	comp=Z,39nm,2.1s						
AB31					pmax		
ABKAR	Akbulak array	66.75	355	eP	P	05 44 20.2	-3.9
SNA	Sanae	66.93	199	P	P	05 44 25.0	-0.2
SNA	Sanae	66.93	199	P	P	05 44 24.5	-0.7
SNA	comp=Z,2.5nm,0.9s,baz=98,slow=6.6,SNR=12					06 06 36.3	
SNA	comp=Z,27um,21.4s,baz=52,slow=30					05 44 25.1	-0.2
SNA	comp=Z,222nm,1.9s					05 44 25.2	0.0
SNA	comp=Z,3.1nm,1.5s					05 44 33.6	+5.3
ANN	Anapa	67.39	338	eP	S	05 53 33.5	+1.0
ANN					pmax		
ANN	comp=Z,142nm,1.9s					05 44 30.7	+1.9
YULB	Yu-Hi	67.40	55	eP	P	05 44 28.3	-4.3
YULB	comp=Z,76nm,1.1s						
AKTO	Aktyubinsk	68.08	354	P	P	06 13 48.3	
AKTO	comp=Z,6.0nm,1.1s,baz=194,slow=6.5,SNR=6.6						
AKTO	comp=Z,3um,20.1s,baz=176,slow=36					05 44 30.2	-2.4
AKTO	Aktyubinsk	68.08	354	P	P	05 44 30.2	-2.4
AKTO	comp=Z,79nm,1.4s						
TATO	Taipei	68.39	53	PFAKE	LR	05 44 50.0	+1.5
TATO	comp=Z,4um,22.0s						
VNA1	Neumayer-Stat	68.45	200	P	P	05 44 35.0	+0.3
SHEL	Horse Pasture	68.60	259	PFAKE	LR	05 44 50.0	+1.3
SHEL	comp=Z,22um,20.0s						
STKA	Stephens Creek	68.69	118	P	P	05 44 33.9	-3.1
STKA	comp=Z,8.9nm,0.9s,baz=305,slow=7.5,SNR=5.5					05 44 38.1	+1.1
STKA	Stephens Creek	68.69	118	P	P	05 44 32.3	-4.3
KURBB	Kurchatov Arra	68.73	8	P	P	06 13 05.4	
KURBB	comp=Z,8.4nm,1.1s,baz=205,slow=6.5,SNR=17						
KURBB					PKP2ab		
SIM	Simferopol	68.73	336	eP	P	05 44 48.2	+1.1
SIM	comp=Z,1.5nm,1.1s,baz=12,slow=2.7,SNR=5.6						
SIM					pmax		
KURK	Kurchatov	68.83	8	eP	P	05 44 34.9	-2.3
KURK	comp=Z,380nm,8.7s						
KURK	Kurchatov	68.83	8	eP	P	05 44 34.9	-2.3
KURK	comp=Z,281nm,1.8s						
KURK					eS		

26d 5h

Table with columns: ID, Name, Address, City, State, Zip, Phone, Fax, Email, Website, and other details for various businesses.

2012 JUL

Table with columns: JFWS, LR, LR, and other details for various businesses.

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Table with columns: JFWS, LR, LR, and other details for various businesses.

26d 6h

IDC 26.06:12:13.0:0.5, 26:25S:178:58W, h358km, 4km, mb4, 7/32, mb1 4.7/35, mb1mx4.7/43, mb3mx5.4/35, Error ellipse: s-maj=9.0km, s-min=8.5km, az=26.0 WEL 26.06:12:15.0:0.9, 27:5:10 x 17:6W:2.3, h378km, 5km ISC 26.06:12:12.6:0.4, 26:47S:100:4:178:40W:0.04, h355km, 3km, h355km, P-P, N872, s1979/942, mb5.1/115, 35C-18D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, ISC. Lists various stations like RIZ, RAO, RAO, RAO, RAO, etc.

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Table with columns: RPZ, Rata Peaks, 19.22 204, P, 06 16 09.9 -2.2, etc. Lists various peaks and their characteristics.

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Table with columns: HMH, Humu'ula Sheep, 50.92 28, eP, P, 06 20 39.4 -0.1, etc. Lists various stations and their characteristics.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YSS, KSRS, KS15, KSAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YBH, Y12C, Y12Z, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MFID, BMO, BMO, etc.

26d 6h

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like SDCO, MSTX, MW06, etc.

2012 JUL

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like NVS, BINY, BDFB, etc.

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Table with columns for station call letters, location, frequency, and other technical details. Includes stations like AKASG, KIEV, KIEV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WTTA Wattenberg, WTTA comp=2.6,7m,0.8s, RETA Reutte, ABTA Abfallersbach, etc.

IDC 26 06:14:19.5-4.9, 5.89S; 150.12E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.5/47, mbtmp3.5/3, Error ellipse: s-maj=145.0km s-min=34.5km az=106.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makarrarra Arr, etc.

IDC 26 06:14:57.0-1.9, 30.48S; 138.30E, h0km, mb1 3.1/3, mb1mx3.1/42, mbtmp2.9/3, ML2.4/3, Error ellipse: s-maj=61.4km s-min=15.6km az=38.0, South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include STKA Stephens Creek, STKA 0.7m,0.3s, STKA 2.4m,0.3s, ASAR Alice Springs, etc.

MEX 26 06:21:27.5-0.8, 17.82N; 99.95W, h56km, g8km, MD3.5, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MEIG Mezcala, ARIG Puente Sto Nin, PLIG Platanillo, etc.

IDC 26 06:57:44.2-0.5, 40.31S; 175.97E, h0km, mb4.6/11, mb1 4.8/14, mb1mx4.5/40, mbtmp4.6/14, ML4.0/3, MS4.4/3, Ms1 4.4/3, ms1mx3.9/40, Error ellipse: s-maj=20.3km s-min=14.4km az=78.0

BUI 26 06:57:44.1, 40.73S; 176.80E, h32km, mb5.3/7, Ms5.4/5, Ms7.5/25

ISCJB 26 06:57:46.7-0.3, 40.66S; 0.02; 176.34E; 0.04, h38km, 2km, mb4.9/32, MS4.8/5, Error ellipse: s-maj=5.3km s-min=2.4km az=22.0

WEL 26 06:57:48.0, 40.55S; 177.17E, h27km, 1km, ML5.4/22, NEIC 26 06:57:48.0-0.4, 50.5S; 176.14E, h28km, mb4.9/12, ML5.2(WEL), After WEL

NEIC Felt at Feilding, Lower Hutt, Masterton, Pahiatua, Palmerston North, Wanganui and Wellington. MOS 26 06:57:49.1-1.1, 40.32S; 175.93E, h33km, mb5.1/16, Error ellipse: s-maj=21.4km s-min=13.6km az=40.1

ISC 26 06:57:48.0-0.5, 40.54S; 0.02; 176.17E; 0.03, h30km, 3km, n284, s1944/301, mb4.9/32, MS4.8/5, CD-5D, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include PRWZ Por Road, BFZ Birch Farm, DVHZ Dannevirke, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TIWZ Post Office Ro, POWZ Post Office Ro, CPWZ Castlepoint, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include OUZ Omahuta, LBZ Lake Benmore, LBZ Lake Benmore, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, Manton Dam, QPN, South Pole Qui, SNA, etc.

DDA 26 07:45:41.0, 38°71'N, 43°36'E, h7km, ML3.8
ISC 26 07:45:41.7, 0.8, 38.71N, 0.02, 43.36E, 0.02, h10km, 6km, n85, c1508/126, 12C-21, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK, Kurbatov Arra, ARCES, etc.

ISC 26 07:27:57.2, 2.5, 18.46S, 175.65W, h198km, 25km, mb3.4/6, mb1.3, 6/7, mb1mx3.3/45, mbtmp4.0/7, Error ellipse: s-maj=35.5km s-min=15.9km az=140.0

ISC 26 07:27:58.7, 0.9, 18.45S, 175.65W, 0.2, h238km, mb3.4/5, Error ellipse: s-maj=37.7km s-min=14.6km az=43.2

ISC 26 07:28:01.3, 1.1, 18.65S, 175.65W, 0.2, h238km, n7, c0866/8, mb3.4/5, Tonga Islands

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

ISC 26 07:28:13.3, 3.5, 3.0, 48N, 97.19E, h0km, mb3.9/6, mb1.3, 9/8, mb1mx3.6/4, mbtmp3.8/8, ML4.4/1, Error ellipse: s-maj=103.0km s-min=43.3km az=169.0

ISC 26 07:28:19.4, 0.9, 1.03N, 0.06E, 97.15E, 0.05, h25km, mb3.9/6, Error ellipse: s-maj=10.1km s-min=6.8km az=32.1

DJA 26 07:28:20.0, 1.0, 1°N, 5°9'E, h20km, 6km, M3.4/7, ML3.4/7

ISC 26 07:28:21.3, 1.1, 1.08N, 0.08E, 97.23E, 0.07, h25km, n21, c0571/18, mb3.9/6, Northern Sumatra

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

MAN 26 07:36:48.7, 16.86N, 122.27E, h44km, mb4.2, ML3.0, MS2.7, Luzon

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

AZER 26 07:45:35.3, 1.1, 38.74N, 42.95E, h5km, m3, 4/9, Error ellipse: s-maj=13.0km s-min=4.0km az=6.0

ISK 26 07:45:39.8, 38.70N, 43.35E, h3km, ML3.6/10

CSEM 26 07:45:40.9, 0.1, 38.70N, 43.39E, h5km, ML3.6, Error ellipse: s-maj=3.4km s-min=2.6km az=129.0

ISC 26 07:45:41.2, 0.4, 38.71N, 0.02, 43.37E, 0.03, h6km, 3km, Error ellipse: s-maj=3.5km s-min=2.7km az=28.9

DDA 26 07:45:41.0, 38°71'N, 43°36'E, h7km, ML3.8
ISC 26 07:45:41.7, 0.8, 38.71N, 0.02, 43.36E, 0.02, h10km, 6km, n85, c1508/126, 12C-21, Turkey

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

ISC 26 07:49:01.2, 3.8, 5.56S, 149.86E, h0km, mb3.2/2, mb1.3, 6/3, mb1mx3.3/44, mbtmp3.4/3, ML1.8/1, Error ellipse: s-maj=142.1km s-min=41.8km az=114.0, New Britain region

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

ISC 26 07:49:01.2, 3.8, 5.56S, 149.86E, h0km, mb3.2/2, mb1.3, 6/3, mb1mx3.3/44, mbtmp3.4/3, ML1.8/1, Error ellipse: s-maj=142.1km s-min=41.8km az=114.0, New Britain region

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

ISC 26 07:49:01.2, 3.8, 5.56S, 149.86E, h0km, mb3.2/2, mb1.3, 6/3, mb1mx3.3/44, mbtmp3.4/3, ML1.8/1, Error ellipse: s-maj=142.1km s-min=41.8km az=114.0, New Britain region

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

ISC 26 07:58:06.3, 0.9, 25.55S, 0.1, 179.8E, 0.2, h507km, mb3.1/5, Error ellipse: s-maj=23.3km s-min=13.3km az=10.7

ISC 26 07:58:06.3, 0.9, 25.55S, 0.1, 179.8E, 0.2, h507km, mb3.1/5, Error ellipse: s-maj=23.3km s-min=13.3km az=10.7

ISC 26 07:58:06.3, 0.9, 25.55S, 0.1, 179.8E, 0.2, h507km, n11, c1568/12, mb3.2/5, South of Fiji Islands

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

ISC 26 08:06:40.8, 1.0, 23.55S, 0.1, 179.8E, 0.2, h535km, mb3.3/4, Error ellipse: s-maj=24.5km s-min=15.2km az=46.0, Southwestern Siberia

ISC 26 08:06:41.2, 0.6, 23.59S, 179.85E, h528km, 7km, mb2.8/4, mb1.3, 3/5, mb1mx2.9/42, mbtmp3.9/5, Error ellipse: s-maj=27.0km s-min=27.0km az=2.0

ISC 26 08:06:41.2, 0.1, 23.65S, 179.8E, 0.2, h535km, n8, c1508/8, mb3.3/4, South of Fiji Islands

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

ISC 26 08:13:33.4, 2.8, 54.00N, 86.51E, h0km, mb1.3, 2/2, mb1mx3.0/69, mbtmp3.2/2, ML2.9/2, Error ellipse: s-maj=24.9km s-min=15.2km az=46.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

NIED 26 08:33:00.25, 30N, 124.50E, h74km, Mw4.2 Best double couple: M2, 250000, 1015 NP1, 147, 000000, 847, 000000, lambda=170, 000000, NP2, 50, 000000, 883, 000000, lambda=43, 000000

BUI 26 08:33:36.1, 25.123N, 124.80E, h121km, mb4.5/35, MB4.6/19

ISC 26 08:33:39.4, 0.2, 25.37N, 0.03, 124.48E, 0.02, h126km, 2km, mb4.5/95, Error ellipse: s-maj=5.4km s-min=3.2km az=161.1

ISC 26 08:33:39.2, 3.25, 53N, 124.48E, h114km, 20km, mb4.1/29, mb1.4/23, mb1mx4.1/33, mbtmp4.4/33, Error ellipse: s-maj=13.9km s-min=11.4km az=66.0

MOS 26 08:33:40.6, 1.1, 25.44N, 124.47E, h119km, mb4.3/35, Error ellipse: s-maj=9.6km s-min=5.8km az=92.7

NEIC 26 08:33:40.6, 0.4, 25.41N, 124.45E, h121km, 3km, mb4.7/59, Error ellipse: s-maj=5.4km s-min=3.8km az=140.0

JMA 26 08:33:41.0, 0.2, 25.30N, 124.47E, h119km, 4km, M4.2

ISC 26 08:33:40.2, 0.5, 25.44N, 124.47E, 0.03, h119km, 4km, n199, c1544/238, mb4.6/95, 12C-42, Northeast of Taiwan

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

ISC 26 08:33:40.2, 0.5, 25.44N, 124.47E, 0.03, h119km, 4km, n199, c1544/238, mb4.6/95, 12C-42, Northeast of Taiwan

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like NZJ2 Nanjing, JNU Nakatsu, WHN Wuhan, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like BESE Bessie Mountai, SIT Sitka, SIT Sitka, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like ENAH Nanao, NANB Nanao, NANB Nanao, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like ORDU Ordu-Boztepe, ORDU Ordu-Boztepe, etc.

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

ISC 26 09:16:02.4+2.3, 38.46N-21.80E, h0km, mb3.3/6, mb1 3.3/8, mb1mx3.2/62, mbtmp.3/3.8, ML3.0/2, Error ellipse: s-maj=47.7km s-min=21.6km az=39.0

CSEM 26 09:16:03.9-0.1, 38.40N-21.88E, h2km, ML3.2, Error ellipse: s-maj=2.7km s-min=2.3km az=37.0

ISCJB 26 09:16:03.9-0.2, 38.41N-0.01-21.88E, h0km, 1km, mb3.2/6, Error ellipse: s-maj=2.2km s-min=1.9km az=32.8

ATH 26 09:16:03.7, 38.41N-21.88E, h13km, 1km, ML3.2/9, Error ellipse: s-maj=1.8km s-min=0.7km az=15.0

THE 26 09:16:04.0, 38.41N-21.87E, h3km, 1km, ML3.1/32, Error ellipse: s-maj=1.2km s-min=0.4km az=199.0

BEO 26 09:16:05.5-1.1, 38.49N-21.98E, h0km, ML3.1/2, Error ellipse: s-maj=1.2km s-min=0.4km az=199.0

ISC 26 09:16:03.9-0.7, 38.41N-0.01-21.88E, h0km, 2km, n174, a077/260, mb3.3/6, Greece

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LK2, FSK, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MEX 26 09:35:56.7+0.3, 19.42N+105.80W, h15km, MD4.1, Near coast of Jalisco

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAZ, WAZ, 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 ARHZ Aropoanui, BSWZ Blackbirch Sta, THZ Tophouse, etc.

SOME 26 09:37:39.2, 41.20N, 170.98E, h0km
NINC 26 09:37:40.0, 1.3, 41.14N, 171.00E, h0km, mb2.9, mpv2.5,
Error ellipse: s-maj=11.2km s-min=6.3km az=50.0

KRNET 26 09:37:41.1, 0.1, 41.31N, 171.07E, h10km, mb2.3
ISC 26 09:37:40.7, 1.3, 41.27N, 171.02E, 0.03, h2km, 12km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h, m, s, ISC. Includes stations like ARK Arkit, IUG Iuzhnyy, BTK Batken, etc.

MEX 26 09:44:10.2, 0.5, 15.88N, 98.33W, h10km, 11km, MD3.8,
Off coast of Guerrero

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

IDC 26 09:50:31.0, 1.3, 39.72N, 74.99E, h0km, mb3.7/6,
mb1 3.6/8, mb1mx3.4/65, mbtmp3.5/8, ML2.6/2, MS3.5/1,
Ms1 3.5/1, ms1mx2.4/68, Error ellipse: s-maj=25.2km
s-min=14.6km az=99.0

SOME 26 09:50:34.0, 39.85N, 75.27E, h0km
NINC 26 09:50:34.1, 2.5, 40.06N, 75.34E, h30km, 19km, mb4.2,
mpv3.7, Error ellipse: s-maj=24.3km s-min=10.5km
az=142.0

ISC 26 09:50:31.5, 0.9, 39.86N, 0.06, 75.25E, 0.03, h10km, n48,
e193/59, mb3.7/6, 11C-SD, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h, m, s, ISC. Includes stations like KSH Kashi, SFK Sufi-Kurgan, KZA Kyzart, 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 AAK Ala-Archa, EKS2 Erkin-Say, TKM2 Tokmak 2, etc.

SOME 26 10:13:52.2, 42.00N, 81.68E, h0km
NINC 26 10:13:54.3, 1.7, 42.01N, 81.65E, h0km, mb3.4, mpv3.0,
Error ellipse: s-maj=16.9km s-min=11.5km az=177.0

ISC 26 10:13:53.6, 2.4, 41.94N, 0.10, 81.52E, 0.08, h10km, n16,
e201/28, 3C-4D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, EKS2 Erkin-Say, TKM2 Tokmak 2, 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 KPKS 16nm, 0.1s, ZHN Zhinshike, ZHN Zhen, etc.

IDC 26 10:20:03.3, 0.3, 21.05S, 174.45W, h0km, mb4.9/30,
mb1 5.0/31, mb1mx4.8/51, mbtmp4.8/31, ML4.9/1, MS5.0/23,
Ms1 5.0/23, ms1mx4.8/50, Error ellipse: s-maj=15.3km
s-min=11.9km az=116.0

ISCJB 26 10:20:04.1, 0.1, 21.04S, 0.03, 174.46W, 0.03, h10km,
mb5.2/241, MS5.3/638, Error ellipse: s-maj=5.7km
s-min=2.9km az=140.4

BUI 26 10:20:05.0, 20.57S, 174.27W, h6km, mb5.2/51, mb5.8/48,
Ms5.4/61, Ms7.5.1/56

NEIC 26 10:20:05.0, 1.2, 21.02S, 174.49W, h10km, mb5.4/193,
MS5.3/300, MW5.5, Error ellipse: s-maj=5.8km
s-min=3.1km az=136.0, Moment Tensor Solution. s80
Moment tensor: Scale 10^17Nm; M=2.03; Mw=0.31;
Mw=1.72; Mw=0.40; Mw=0.97; Mw=1.43; Best double
couple: M2: 60000x10^17 Np1: 22.00000; 832.00000;
1.193.00000; NP2: 20.00000; 863.00000; 1.83.00000;
Principal axes: T 2.5100, Ptg2.0000; Azm275.0000;
N 0.1600, Plg6.0000; Azm23.0000; P -2.6600, Plg17.0000;
Azm115.0000;

GCMT 26 10:20:05.0, 1.2, 21.25S, 173.82W, h20km, MW5.6/131,
Moment Tensor Solution. s103, c178; s131, c284;
Duration: 1s6 Moment tensor: Scale 10^17Nm;
M=2.90e-06; Mw=0.36e-04; Mw=2.54e-04; Mw=0.56e-08;
Mw=1.00e-02; Mw=1.31e-07; Best double couple:
M3: 24400x10^17 Np1: 22.00000; 858.00000;
7.91.00000; NP2: 20.00000; 832.00000; 1.88.00000;
Principal axes: T 3.2310, Ptg7.0000; Azm295.0000;
N 0.0280, Plg1.0000; Azm202.0000; P -3.2570,
Plg13.0000; Azm111.0000; n1 refers to body waves,
cutoff=50s. nsta2 refers to surface/mantle waves,
cutoff=50s.

MOS 26 10:20:08.4, 1.3, 20.83S, 174.62W, h33km, mb5.5/36,
MS5.3/40 Error ellipse: s-maj=10.3km s-min=8.0km
az=68.8

ISC 26 10:20:05.7, 0.4, 21.13S, 0.04, 174.24W, 0.05, h16km, 2km,
h16km, P-P, n1159, e19/78/811, mb5.3/240, MS5.3/646,
46C-27, Tonga Islands

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

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Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like PMPB Monarch Peak, PAGB Antelope Grade, FALS False Pass, etc.

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like YSS Yuzh-Sakhalins, BC3 Big Chuckwall, KBO Bosley Butte, etc.

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like KVN Kaiserville, KVN Quanzhou, KSRs Korea Array, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like Mountain 101.85, Moore Haven 101.92, Godfrey 101.94, Loudon 101.96, Montrose 101.99, Disney Wildern 102.03, Windswept, Lux 102.06, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like Ogdenburg 110.65, Palisades 111.16, Lake Ozonia 111.26, Newcomb 111.42, Adirondack Com 111.72, Sao Paulo 111.75, Cabo Rojo, PR 111.83, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like Lusaka 137.65, Tsumeb 138.28, Novokhoporsk 138.93, Obninsk 138.93, Makhachkala 139.00, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like BUR04 Bucovina Ar. S, BURAR Bucovina Array, BURAR Bucovina Array, BURAR Bucovina Array, CLLL Colim, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like BCCLA Clavier, MORF Marneleste, MORF Marneleste, MORF Marneleste, MORF Marneleste, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like MORF Marneleste, MORF Marneleste, MORF Marneleste, MORF Marneleste, etc.

SNA	Snae	87.30	182	eP	P	11 01 03.6	-1.6
SNA	Snae	87.30	182	iP	P	11 01 03.0	-2.3
BLM	Laguna Peak, P	87.31	52	P	P	11 01 05.2	-0.6
KHMM	Horse Mountain	87.47	44	eP	P	11 01 07.0	+0.9
CIS	Catalina Island	87.47	53	P	P	11 01 06.0	-0.6
ANM	Nome	87.60	11	PFAKE	LR	11 01 20.0	+1.4
FMP	Fort Macarthur	87.70	53	P	P	11 01 06.9	-0.7
OSI	Osito Audit: C	87.79	52	P	P	11 01 07.3	-0.9
VNA3	Neumayer Olymp	87.88	180	P	P	11 01 06.5	-1.5
DECC	Green Verdugo	87.91	52	P	P	11 01 08.2	-0.6
ARVC	Arvin	87.95	51	P	P	11 01 08.4	-0.4
PASC	Pasadena Art C	87.99	52	eP	P	11 01 08.8	-0.3
WDC	Whiskeytown Da	88.00	45	eP	P	11 01 09.3	+0.4
WDC	Whiskeytown Da	88.00	45	eP	P	11 01 09.3	+0.4
WDC	Whiskeytown Da	88.00	45	eP	P	11 01 09.3	+0.4
N02D	Trinity Center	88.09	45	P	P	11 01 09.5	0.0
YES	Vestal, Richgr	88.10	50	P	P	11 01 08.7	-0.8
MWC	Mount Wilson	88.10	52	eP	P	11 01 09.6	-0.2
L02D	Cave Junction,	88.11	43	P	P	11 01 09.4	0.0
M02C	Callahan	88.20	44	P	P	11 01 10.0	0.0
CMB	Columbia Colle	88.21	48	eP	P	11 01 09.5	-0.6
CMB	Columbia Colle	88.21	48	eP	P	11 01 09.5	-0.6
109C	Camp Elliot, M	88.21	54	P	P	11 01 09.6	-0.6
AFDM	Forest Hills D	88.25	47	eP	P	11 01 09.7	-0.5
MGL	Magalia	88.27	46	eP	P	11 01 09.9	-0.5
O03D	Paynes Creek	88.34	45	P	P	11 01 10.1	-0.6
BFSC	Mount Baldy Ra	88.41	52	P	P	11 01 10.6	-0.7
EDW2	Edwards Air Fo	88.45	52	P	P	11 01 10.9	-0.4
ISA	Isabella, Lake	88.46	51	P	P	11 01 11.2	-0.2
ISA	Isabella, Lake	88.46	51	eP	P	11 01 11.5	+0.1
ISA	Isabella, Lake	88.46	51	eP	P	11 01 11.5	+0.1
VNA1	Neumayer-Stat	88.46	181	P	P	11 01 09.7	-1.0
MURC	Murrieta	88.48	53	P	P	11 01 10.6	-0.8
YBH	Yreka Blue Hor	88.46	44	eP	P	11 01 11.3	+0.1
YBH	Yreka Blue Hor	88.46	44	eP	P	11 01 11.3	+0.1
YBH	Yreka Blue Hor	88.46	44	eP	P	11 01 11.7	+0.4
YBH	Yreka Blue Hor	88.46	44	eP	P	11 01 11.7	+0.4
SHL	Shillong	88.47	298	eP	P	11 01 12.5	+0.7
SHL	Shillong	88.47	298	eP	P	11 01 12.0	+0.2
SHL	Shillong	88.47	298	eP	P	11 01 12.5	+0.7
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
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GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
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GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
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GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
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GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
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GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
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GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
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GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
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GTA	Gaotai	88.61	313	eP	P	11 01 13.0	+0.9
GTA	Gaotai	88.61	313	eP	P	11 01 23.3	+1.6
GTA	Gaotai	88.61	313	eP	P	11 01 27.8	+2.6
GTA	Gaotai	88.61	313	eP	P	11 11 55.8	-0.9
GTA	Gaotai	88.61	313	eP	P	11 12 15.0	+2.3
GTA	Gaotai	88.61	313	eP	P	11 17 49.8	+1.1
GTA	Gaotai	88					

Table with columns: MOIG, MOIG, MOIG, MSO, MSO, MVCO, MVCO, Y22D, Y22D, PV23, PV23, TIXI, TIXI, DLMT, DLMT, DLMT, DLMT, MNTX, MNTX, PLCA, PLCA, REDW, REDW, TASM, TASM, ANMO, ANMO, ANMO, ANMO, JRQC, JRQC, JRQC, JRQC, WALA, WALA, WALA, WALA, YHB, YHB, YHB, YHB, BOZ, BOZ, BOZ, BOZ, LTX, LTX, LTX, LTX, TX31, TX31, TXAR, TXAR, TXAR, TXAR, TXAR, TXAR, TXAR, TXAR, O20A, O20A, O20A, O20A, PD31, PD31, PDAR, PDAR, PDAR, PDAR, PDAR, PDAR, PDAR, PDAR, S22A, S22A, S22A, S22A, UNM, UNM, UNM, UNM, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, RLMT, RLMT, RLMT, RLMT, SDCO, SDCO, SDCO, SDCO, EGMT, EGMT, EGMT, EGMT, Q24A, Q24A, Q24A, Q24A, N23A, N23A, N23A, N23A, LAO, LAO, LAO, LAO, ABTX, ABTX, ABTX, ABTX, RSSD, RSSD, RSSD, RSSD, YKA, YKA, YKA, YKA, YKB5, YKB5, MK32, MK32, MK32, MK32, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, BGNE, BGNE, BGNE, BGNE, CSGN, CSGN, CSGN, CSGN, KURB, KURB, KURB, KURB, 341A, 341A, 341A, 341A, ECSD, ECSD, ECSD, ECSD, 241A, 241A, 241A, 241A, P37A, P37A, P37A, P37A, U40A, U40A, U40A, U40A, W41B, W41B, W41B, W41B, J36A, J36A, J36A, J36A, V41A, V41A, V41A, V41A, S40A, S40A, S40A, S40A

Table with columns: ULM, ULM, SCIA, SCIA, VBMS, VBMS, ESPN, ESPN, I37A, I37A, K38A, K38A, B35A, B35A, D36A, D36A, I39A, I39A, HALT, HALT, L42A, L42A, G40A, G40A, I41A, I41A, BVAR, BVAR, H41A, H41A, R45A, R45A, Q45A, Q45A, X48A, X48A, Z49A, Z49A, COWI, COWI, Y49A, Y49A, C40A, C40A, H42A, H42A, D41A, D41A, G43A, G43A, 352A, 352A, 152A, 152A, T49A, T49A, T49A, T49A, E43A, E43A, E43A, E43A, V50A, V50A, X51A, X51A, TIGA, TIGA, Y52A, Y52A, E44A, E44A, U51A, U51A, TKL, TKL, TKL, TKL, TZTN, TZTN, W53A, W53A, 061Z, 061Z, 059A, 059A, U53A, U53A, JSC, JSC, BLA, BLA, MCWV, MCWV, ARU, ARU, ARU, ARU, M54A, M54A, AKTO, AKTO, O56A, O56A, CNNO, CNNO, SSPA, SSPA, SSPA, SSPA, KBS, KBS, SPA0, SPA0, SPITS, SPITS, BINY, BINY, N59A, N59A, LONY, LONY, LONY, LONY, PAL, PAL, PAL, PAL, FRNY, FRNY, FRNY, FRNY

Table with columns: ACCN, ACCN, DAG, DAG, DAG, DAG, PRGR, PRGR, PRGR, PRGR, LBHN, LBHN, HRV, HRV, APA, APA, SUMG, SUMG, SUMG, SUMG, SCHO, SCHO, SCHO, SCHO, PKME, PKME, PKME, PKME, CRPR, CRPR, CRPR, CRPR, MPR, MPR, MPR, MPR, ARAO, ARAO, ARCES, ARCES, PTGA, PTGA, POI, POI, ICMP, ICMP, ICMP, ICMP, KLMR, KLMR, KLMR, KLMR, EMPR, EMPR, EMPR, EMPR, LSZ, LSZ, DAMY, DAMY, DAMY, DAMY, SFJD, SFJD, SFJD, SFJD, SJB, SJB, SJB, SJB, HUMP, HUMP, CBYP, CBYP, BDFB, BDFB, BDFB, BDFB, ATD, ATD, ATD, ATD, RAYN, RAYN, RAYN, RAYN, SABA, SABA, SABA, SABA, KBZ, KBZ, KBZ, KBZ, KIV, KIV, KIV, KIV, SVB, SVB, SVB, SVB, OBN, OBN, OBN, OBN, ANGG, ANGG, ANGG, ANGG, FIA1, FIA1, FIA0, FIA0, FIA0, FIA0, FINES, FINES, FINES, FINES, VSU, VSU, VSU, VSU, VSU, VSU, VSU, VSU, MBAR, MBAR, MBAR, MBAR, AKASG, AKASG, AKASG, AKASG, AKASG, AKASG, AKASG, AKASG, AKB, AKB, AK11, AK11, NB2, NB2, NB2, NB2, NOA, NOA, HFS, HFS, BR10, BR10, BRTR, BRTR, KONO, KONO, KONO, KONO, ISP, ISP, ISP, ISP, BURAR, BURAR, BURAR, BURAR, BUR0, BUR0, KWP, KWP, KWP, KWP, MLR, MLR, MLR, MLR, UZH, UZH, UZH, UZH, MANT, MANT, MANT, MANT, CRVS, CRVS, CRVS, CRVS, DRGR, DRGR, DRGR, DRGR, ALN, ALN, ALN, ALN, RDO, RDO, RDO, RDO, GADA, GADA, GADA, GADA, PSZ, PSZ, PSZ, PSZ, PSZ, PSZ, PSZ, PSZ, MORC, MORC, MORC, MORC

Table with columns: FCH, FCH, comp=E,100nm,0.3s, ROCH, El Roble, 3.13 354 eP, ROP, AAGR, Agrelo, 3.34 27 eP, ASAL, Salagasta, 3.79 23 eP, AUSP, Uspallata, 3.99 15 eP, RTLS, Leoncito, 4.42 15 eP, RTLS, comp=Z,39nm,0.3s, RTCV, Cerro Valdivia, 4.56 23 eP, RTLL, Cerro Villicun, 5.08 21 eP, RTLL, comp=Z,25nm,0.3s, AMOG, WOGNA, 5.44 20 eP, AROD, Rodeo, 5.99 10 eP, ACDV, Cuesta del Vie, 6.04 12 eP, VCA, Vinchina, 7.61 16 IAML

MAN 26 11:35:59.9, 12:95N:124:18E, h16km, mb4.5, ML3.3, MS3.1, 1D, Samar. Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNP, Virac, San Andres, Borongan, Roxas.

IDC 26 11:39:49.2+1.3, 9:35S:159:71E, h0km, mb3.3/3, mb1 3.6/3, mb1mx3.4/4, mbtmp3.3/3, Error ellipse: s-maj=39.5km s-min=11.8km az=12.0, Bougainville-Solomon Islands region. Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, WRA, ASAR, H1S12, H1S13, H1S11, H1N1, H1N3, H1N2, ILAR.

IDC 26 11:42:38.1+1.0, 30:28S:177:12W, h0km, mb3.3/2, mb1 3.6/2, mb1mx3.4/4, mbtmp3.3/2, Error ellipse: s-maj=49.25km s-min=11.1km az=155.0, Kermadec Islands. Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, WRA, FINES.

ISCJB 26 11:46:45.0-0.3, 24:32N:102:95E:0:02, h47km, 6km, Error ellipse: s-maj=5.9km s-min=2.7km az=175.8, JMA 26 11:46:45.2-0.1, 24:33N:122:96E, h49km, 1km, M2.8, TAP 26 11:46:45.3-0.2, 24:34N:122:92E, h43km, ML3.2, C, ISC 26 11:46:45.5-1.2, 24:32N:102:95E:0:02, h45km, 7km, n62, c091/90, 1D, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYNG, YOJ, YOJ, YOJ, IRIF, EOS1, HATJ, HATJ, JKRS, JKRS, TWC, TWC, ENAH, ENAH, ENAH, ENAH, JIJ, JIJ, NANB, NANB, NANB, NANB, TWB1, TWB1, NTC, NTC, TIPB, TIPB, TIPB, TIPB, TWE, TWE, TWE, TWE, NACB, NACB, JISG, JISG, ENT, ENT, NWLT, NWLT, NNSB, NNSB, NNSH, NNSH, NNS, NNS, ESH, ESH, YHNB, YHNB, YHNB, YHNB, YM07, YM07, TATO, TATO, NSK, NSK, YM11, YM11, EGFH, EGFH.

Table with columns: WHF, Hehuan Shan, 1.55 264 P, WHF, eS, Sn, 11 47 11.2 +0.2, TWS1, Kunmingshin, 1.60 299 eP, TWS1, eP, Pn, 11 47 12.5 +1.3, JTTJ, Tarama, 1.63 78 P, JTTJ, eS, Pn, 11 47 11.9 +0.2, JTTJ, eS, Pn, 11 47 31.5 +0.1, CHGB, Renai, 1.64 261 eP, CHGB, eS, Pn, 11 47 12.1 0.0, CHGB, Emei, 1.65 249 eS, CHGB, eS, Pn, 11 47 31.7 -0.5, EHY, Hungye, 1.70 242 eP, EHY, eP, Pn, 11 47 11.9 -0.8, YULB, Yu-li, 1.77 239 eP, YULB, eP, Pn, 11 47 13.2 -0.5, YULB, eS, Sn, 11 47 34.3 -0.9, LIOB, baze=281, 1.79 281 eP, LIOB, eP, Pn, 11 47 15.0 +1.0, TWF1, Yuli, 1.80 238 eP, TWF1, eP, Pn, 11 47 13.4 -0.6, TWF1, eS, Sn, 11 47 34.3 -1.4, NNST, Nanjiang, 1.80 280 eP, NNST, eP, Pn, 11 47 14.7 +0.6, DPDB, Guoxing, 1.87 262 eP, DPDB, eP, Pn, 11 47 15.7 +0.6, FULB, Fuli, 1.89 234 eP, FULB, eP, Pn, 11 47 14.1 -1.2, FULB, eS, Sn, 11 47 35.9 -2.0, SSSL, Suanglung, 1.90 254 eP, SSSL, eP, Pn, 11 47 15.6 +0.1, SMLT, Sun Moon Lake, 1.93 257 eP, SMLT, eP, Pn, 11 47 16.1 +0.2, SMLT, eS, Sn, 11 47 38.9 0.0, TYC, Yuchr, 1.96 258 eP, TYC, eP, Pn, 11 47 17.1 +0.9, TYC, eS, Sn, 11 47 39.3 -0.3, YUS, Yu-Shan, 2.01 246 eP, YUS, eP, Pn, 11 47 17.3 -0.1, YUS, eS, Sn, 11 47 39.9 -1.7, JIRB, Irabujima, 2.08 76 P, JIRB, P, S, Sn, 11 47 18.3 +0.3, JIRB, S, Sn, 11 47 42.9 +0.2, JIRB, S, Sn, 11 47 19.5 +1.4, TWH, Lufao, 2.10 220 eP, TWH, eP, Pn, 11 47 16.9 -1.3, ELDTW, Lidau, 2.10 238 eP, ELDTW, eP, Pn, 11 47 17.2 -1.1, CHNS, Tsauling, 2.20 251 eP, CHNS, eP, Pn, 11 47 21.1 +1.4, TWGB, Beinan, 2.28 229 eP, TWGB, eP, Pn, 11 47 19.8 -0.9, TWG, Pinlang, 2.28 229 eP, TWG, eP, Pn, 11 47 19.8 -0.9, STYT, Tauyuan, 2.32 241 eP, STYT, eP, Pn, 11 47 21.2 0.0, TPUB, Ta-pu, 2.36 245 eP, TPUB, eP, Pn, 11 47 23.1 +1.3, TPUB, eS, Sn, 11 47 20.1 +0.6, WTP, Ta-pu, 2.39 244 eP, WTP, eP, Pn, 11 47 23.0 +0.7, RLNB, Erin, 2.41 260 eP, RLNB, eP, Pn, 11 47 24.0 +1.6, TWK, Hsiuying, 2.49 246 eP, TWK, eP, Pn, 11 47 25.2 +1.6, TWK, eS, Sn, 11 47 54.2 +1.4, CHN1, Nanshi, 2.49 243 eP, CHN1, eP, Pn, 11 47 25.5 +1.9, CHN1, eS, Sn, 11 47 54.2 +1.4, SLGT, Liugui, 2.49 238 eP, SLGT, eP, Pn, 11 47 24.7 +1.1, SGST, Jianshan, 2.50 241 eP, SGST, eP, Pn, 11 47 24.8 +1.1, SGST, eS, Sn, 11 47 55.2 +2.3, SSD, Sandimen, 2.64 234 eP, SSD, eP, Pn, 11 47 27.1 +1.4, MASBT, Mashbuluo, 2.73 232 eP, MASBT, eP, Pn, 11 47 27.1 +0.3, MASBT, eS, Sn, 11 47 59.9 +1.4

NNC 26 11:52:32.8-2.8, 43:19N:81:94E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=27.2km s-min=8.9km az=143.0, SOME 26 11:52:34.3, 43:35N:81:78E, h0km, ISC 26 11:52:31.0-2.6, 43:11N:0:1:81.97E:0:10, h7km, 14km, n8, c230/14, 3C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PDGK, PDGK, SHLS, SHLS, SHLS, DJR, DJR, UZB, UZB, UZB, KPKS, KPKS, KAPS, KAPS, KAPS, MK31, MK31, MAKZ, MAKZ, MAKZ.

MAN 26 12:02:59.3, 10:10N:125:66E, h79km, mb4.4, ML3.2, MS3.0, 2D, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SCPH, Surigao, 0.35 208 P, SCPH, P, Pn, 12 03 11.6 -0.3, SCPH, P, Pn, 12 03 21.5 +0.4, MSLP, Maasin, 0.79 273 eP, MSLP, eP, Pn, 12 03 30.5 +2.4, BUTP, Butuan, 1.12 182 eP, BUTP, eP, Pn, 12 03 19.9 +0.1, BUTP, eS, Sn, 12 03 37.1 +2.0, PLP, Palo, 1.25 328 eP, PLP, eP, Pn, 12 03 21.9 +0.5, PLP, eS, Sn, 12 03 39.9 +1.8, BESP, Borongan, 1.51 352 eP, BESP, eP, Pn, 12 03 25.1 +0.4, BESP, eS, Sn, 12 03 46.0 +2.1, CGP, Cagayan de Oro, 1.89 210 eP, CGP, eP, Pn, 12 03 53.0 +0.1, BUKP, Musuan, 2.28 195 eP, BUKP, eP, Pn, 12 03 35.3 +0.3, BUKP, eP, Pn, 12 04 04.1 +1.8, CNP, Catarman, 2.59 338 eP, CNP, eP, Pn, 12 03 40.0 +0.9, CNP, eS, Sn, 12 04 11.1 +1.5

NNC 26 12:04:36.8-2.8, 44:26N:83:17E, h0km, mb2.5, mpv2.2, Error ellipse: s-maj=24.6km s-min=10.6km az=125.0, SOME 26 12:04:41.4, 44:45N:83:02E, h15km, ISC 26 12:04:42.6-2.5, 44:22N:0:09:83.0E:0:1, h17km, n8, c1512/13, 4C-1D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KTMS, Ketmen, 2.09 249 eP, KTMS, eP, Pn, 12 05 19.7 -0.4, KTMS, eS, Sb, 12 05 47.0 +1.2

Table with columns: DJR, Jarkent, 2.33 274 eP, DJR, eP, Pb, 12 05 23.5 -0.8, DJR, eS, Sb, 12 05 53.3 +0.4, MK31, Makanchi Array, 2.63 349 Pg, MK31, Pg, Lg, 12 06 00.2, MK31, eS, Pn, 12 05 25.1 -0.2, MAKZ, Makanchi, 2.70 344 Pg, MAKZ, Pg, Lg, 12 06 00.9, MAKZ, Pg, Lg, 12 05 28.6 -2.3, PDGK, Podgomoye, 2.72 252 Pg, PDGK, Pg, Lg, 12 06 05.1, PDGK, Pg, Lg, 12 05 27.4 +0.6, SHLS, Shalkode, 2.80 249 eP, SHLS, eP, Pn, 12 05 59.7 -0.5, SHLS, eS, Sn, 12 05 31.9 -0.9, KAPS, Kapalarasan, 2.83 293 eP, KAPS, eP, Sb, 12 06 07.6 +0.5, KAPS, eS, Pn, 12 05 37.0 -0.5, UZB, Uzynbulak, 3.10 251 eP, UZB, eP, Pb, 12 06 16.3 +1.3, UZB, eS, Sb, 12 06 16.3 +1.3

JMA 26 12:23:33.6-0.2, 22:29N:121:52E, h0km, M2.9, ISCJB 26 12:23:36.2-0.4, 22:32N:121:42E:0:03, h22km, 5km, Error ellipse: s-maj=4.3km s-min=3.4km az=26.8, TAP 26 12:23:36.1, 22:36N:121:35E, h11km, 1km, ML2.7, C, ISC 26 12:23:35.3-1.2, 22:33N:121:42E:0:03, h9km, 10km, n35, c066/68, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LAY, Lan-yu, 0.31 157 P, LAY, P, Sn, 12 23 44.5 -1.6, LAY, S, Sb, 12 23 50.5 +2.1, TWH, Lutao, 0.38 8 P, TWH, P, Pb, 12 23 43.9 -0.5, TWH, S, Sb, 12 23 49.4 -1.0, TAW, Tawu, 0.48 274 P, TAW, P, S, 12 23 45.5 -0.5, TAW, S, Sg, 12 23 51.9 +0.7, TTT, Taitung, 0.49 329 eP, TTT, eP, Pn, 12 23 47.5 -1.1, TTN, Tainai, 0.51 302 iS, TTN, iS, Pb, 12 23 54.5 +1.0, ECL, Anshuo, 0.53 276 P, ECL, P, Sg, 12 23 52.4 +0.5, EAST, Anshuo, 0.53 276 P, EAST, P, Sg, 12 23 53.4 +0.7, EAST, S, Sg, 12 23 47.1 -0.6, TWGB, Beinan, 0.58 327 P, TWGB, P, Pb, 12 23 54.8 +0.6, TWGB, S, Sg, 12 23 54.8 +0.6, TWG, Pinlang, 0.59 327 eP, TWG, eP, Pb, 12 23 47.1 -0.7, TWG, S, Sg, 12 23 54.5 +0.1, TWKB, Hengchun, 0.68 236 eP, TWKB, eP, Pb, 12 23 49.2 -0.2, TWKB, eS, Sb, 12 23 59.1 +0.2, TWK1, Hengchun, 0.69 236 eP, TWK1, eP, Pb, 12 23 49.4 -0.1, TWK1, eS, Sb, 12 23 58.9 -0.1, HEN, Hengchun, 0.71 243 eP, HEN, eP, Pb, 12 23 50.1 +0.2, HEN, eS, Sb, 12 23 59.5 -0.2, SCZT, Fangliu, 0.74 274 P, SCZT, P, Pg, 12 23 49.4 -0.2, SCZT, eS, Sg, 12 23 58.9 -0.4, CHKT, Chengkung, 0.77 356 eP, CHKT, eP, S, 12 23 53.1 +0.7, CHKT, S, Sb, 12 24 01.3 -0.1, MASBT, Mashbuluo, 0.78 291 P, MASBT, P, Pg, 12 23 49.9 -0.5, MASBT, eS, Sg, 12 24 00.6 +0.1, SSD, Sandimen, 0.84 300 P, SSD, P, Pg, 12 23 50.8 -0.7, SSD, eS, Sg, 12 24 02.4 -0.1, FULB, baze=356, 0.87 352 eP, FULB, eP, Pb, 12 23 52.3 -0.5, FULB, eS, Pb, 12 24 05.2 +0.7, ELDTW, Lidau, 0.93 337 eP, ELDTW, eP, Pg, 12 23 52.3 -1.1, ELDTW, eS, Sg, 12 24 05.3 -0.2, SLGT, Liugui, 0.97 313 eP, SLGT, eP, Pn, 12 23 55.0 -0.2, SLGT, eS, Sn, 12 24 08.7 -0.4, TWF1, Yuli, 1.02 354 eP, TWF1, eP, Pb, 12 23 55.1 -0.2, TWF1, eS, Sb, 12 24 09.3 +0.5, TWM1, Shoushan, 1.04 298 eS, TWM1, eS, Sg, 12 24 08.3 -0.7, YULB, Yuli, 1.06 354 eP, YULB, eP, Pb, 12 23 55.8 -0.2, YULB, eS, Sb, 12 24 10.7 +0.7, SGST, Jianshan, 1.08 314 eP, SGST, eP, Pn, 12 23 57.0 +0.4, SGST, eS, Sb, 12 24 10.4 0.0, WTP, Ta-pu, 1.18 321 eP, WTP, eP, Pn, 12 23 58.1 +0.1, WTP, eS, Sb, 12 24 13.4 +0.2, CHN1, Nanshi, 1.19 316 eP, CHN1, eP, Pn, 12 23 58.8 +0.6, CHN1, eS, Sn, 12 24 15.4 +1.1, TPUB, Ta-pu, 1.21 323 eP, TPUB, eP, Pn, 12 23 58.6 +0.1, TPUB, eS, Sb, 12 24 14.5 +0.2, TWK, Hsiuying, 1.27 318 P, TWK, P, Sg, 12 23 59.5 -0.3, TWK, eS, Sb, 12 24 16.3 +0.4, CHNS, Tsauling, 1.44 332 eP, CHNS, eP, Pg, 12 24 02.5 -0.4, CHNS, eS, Sg, 12 24 23.3 +1.4, JYNG, Yonagunijimaku, 2.54 33 P, JYNG, P, Sn, 12 24 17.1 +0.4, YOJ, Yonaguni jima, 2.58 34 S, YOJ, S, Sn, 12 24 48.4 +0.7, HATJ, Hateruma-jima, 2.79 51 P, HATJ, P, Pn, 12 24 20.8 +0.7, IRIF, Iriomote-Funau, 3.02 46 P, IRIF, P, Pn, 12 24 54.3 +0.4, IRIF, S, Sn, 12 24 22.4 +0.5, IRIF, S, Sn, 12 24 57.2 +0.2, JKRS, Kuro-shima, 3.05 51 P, JKRS, P, S, Sn, 12 24 24.2 +0.5, JKRS, S, Sn, 12 25 00.6 +0.3, JIJ, Ishigaki jima, 3.22 50 P, JIJ, P, Sn, 12 24 26.0 -0.1, JIJ, eS, Sn, 12 25 03.5 -1.1, JISG, Ishigakijimahi, 3.48 49 P, JISG, P, Sn, 12 24 30.0 +0.4, JISG, S, Pn, 12 25 10.6 -0.4, JTJ, Tarama, 3.79 52 P, JTJ, P, Sn, 12 24 34.4 +0.5, JTJ, eS, Sn, 12 25 17.3 -1.4

DDA 26 12:24:47.0, 38:18N:35:94E, h7km, M12.7, CSEM 26 12:24:47.0, 38:18N:35:94E, h7km, ML2.7, ISC 26 12:24:46.1-1.1, 38:21N:0:03:35.92E:0:03, h4km, 10km,

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like EIDS, AS01, AS31, ASAR, etc.

MAN 26 13:20:28.1, 5.35N, 126.47E, h27km, mb4.9, ML3.8, MS3.7, 1C, Mindanao

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

MEX 26 13:23:54.4, 0.4, 15.76N, 98.21W, h10km, MD3.8, Off coast of Guerrero

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

IDC 26 13:31:20.9, 0.7, 2.42N, 128.60E, h229km, mb4.2/24, mb1.4/3/28, mb1mx4.0/56, mbtmp4.8/28, Error ellipse: s-maj=13.1km s-min=6.7km az=81.0

ISCJBJ 26 13:31:21.0, 0.4, 2.49N, 0.03, 128.58E, 0.04, h242km, 4km, mb4.6/60, Error ellipse: s-maj=6.4km s-min=3.9km az=160.7

NEIC 26 13:31:21.7, 0.6, 2.49N, 128.63E, h236km, mb4.8/39, Error ellipse: s-maj=7.3km s-min=4.4km az=74.0

BUJ 26 13:31:23.5, 2.39N, 128.86E, h280km, mb4.3/14, mb4.5/10, DJA 26 13:31:23.0, 0.3, 2.43N, 12.9E, h213km, 3km, M4.6/19, mb5.0/18, mb5.1/17, MLV5.1/19, Mw(mB)4.7/17

ISC 26 13:31:21.2, 0.5, 2.45N, 0.04, 128.58E, 0.06, h230km, 5km, h230km, p-P, n153, a120/164, mb4.7/58, 2D, Halmahera

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

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

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

ISCJBJ 26 13:36:27.9, 0.7, 14.36S, 0.07, 75.5W, 0.1, h30km, mb4.0/13, MS3.6/2, Error ellipse: s-maj=17.2km s-min=7.8km az=155.5

IDC 26 13:36:32.5, 2.5, 14.22S, 76.46W, h52km, 21km, mb3.6/11, mb1.3/8/14, mb1mx3.6/42, mbtmp3.8/14, ML3.6/3, MS3.3/5, Ms1.3/3.5, ms1mx3.0/31, Error ellipse: s-maj=27.0km

26d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like H11S1 WAKE ISLAND Hy 27.91 123 T, H11S3 WAKE ISLAND Hy 27.91 123 T, H11S2 WAKE ISLAND Hy 27.93 123 T, MKAR Makanchi Array 45.07 303 P, WRA Warramunga Arr 56.48 189 P.

ISCJB 26 17:00:37.8-0.3, 67.08N-21.33E, h0km, mb1 2.9/4, Ellipse: s-maj=3.2km s-min=2.4km az=1.1

UPP 26 17:00:38.6-0.1, 67.08N-20.98E, h0km, ML2.3, CSEM 26 17:00:38.6-0.1, 67.10N-20.98E, h2km, ML2.3, Error ellipse: s-maj=4.2km s-min=3.0km az=97.0, Mining explosion.

IDC 26 17:00:39.1-0.9, 67.08N-21.33E, h0km, mb1 2.9/4, mb1mx2.7/7.2, mbtmp2.8/4, ML2.1/4, Error ellipse: s-maj=14.9km s-min=6.8km az=115.0

HEL 26 17:00:39.1-0.0, 67.09N-20.98E, h0km, ML2.4, ML2.3(UPP), Explosion

NAO 26 17:00:39.4-0.8, 67.05N-21.35E, ML2.7, BER 26 17:00:41.0-3.5, 67.09N-20.95E, h0km, ML2.0, ML2.7(NAO), Suspected explosion

ISC 26 17:00:38.7-0.7, 67.07N-0.02-20.94E:0.02, h0km, n91, c92/135, Sweden

Main table for station 26d 17h with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists numerous stations like DUNDU, ERTEU, RATU, LANU, NIKU, KALU, SJJU, HETTA, KIF, RNF, BURU, SVAU, ODEU, TRO, ARAO, ARCES, ARO, ARES, OUF, KONS, UMEA, VRRIO, MSF, KEV, HAMF.

2012 JUL

Main table for station 2012 JUL with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like KU6, HUSU, VAF, SOLU, HEMU, FIAO, FINES, NB2, NRAO, HFS, SPA0, JMA, JIHU, JYT, BSO3, JAG, JOD2, JIR, JIM2, JKT, JYN, MJAR, MJAT, JHU, ASAJ, JNU, JNC, JCU, KRSR, H11N2, H11N1, H11N3, H11S3, H11S1, H11S2, MKAR, KURBB, BVAR, WRA, ARU, ASAR, STKA, JMA, ISCJB, TAP 26, ISC 26.

1346

Main table for station 1346 with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like TAW, TWH, EAST, TSEB, ECL, TWKBT, TWKBT, TTTN, TWK1, HEN, HEN, TWGBT, TWG, SCZT, MASBT, SSD, CHKT, WLCH, SGLT, ELDTW, SLGT, TWM1, STYT, TWF1, SGST, YULB, CHN1, CHN1, WTP, EHY, TPUB, YUB, TWK, TWK, EGHF, CHN5, CHN5, CHY, ESL, SSLB, SSLB, WKG, WDLH, WDLH, ENLB, WJS, WJS, SMLT, SMLT, TYC, TYC, WNT, WNT, DPDB, DPDB, TWD, WDG, WDG, WHF, WHF, NACB, TCU, TWT, TDCB, VCHM, VCHM, PHUB, PHUB, PHUB, PHUB, NNSH, NNS, ENA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NANB, NSY, EOST, TWC, ENT, ENTT, NSTT, YHNB, YHNB, LIOB, NSK, NSK, NWLT, NWLT, JYNG, JYNG, YOJ, YOJ, TIPB, TIPB, HATJ, HATJ, JKRS, JKRS, JJJ, JJJ, JISG, JISG, JTT, JTT, JIRB, JIRB.

ISC 26 17:07:23.2, 1.9, 36:28N, 141:13E, h0km, mb3.2/2, mb1 3.3/5, mb1mx3.1/69, mbtmp3.3/5, ML3.0/3, MS2.1/1, Ms1 2.1/1, ms1mx1.7/25, Error ellipse: s-maj=34.2km s-min=2.0km az=87.0

ISC 26 17:07:24.4, 1.0, 36:21N, 0:04-141:17E, 0:07, h27km, 6km, mb3.2/2, Error ellipse: s-maj=9.4km s-min=6.5km az=179.3

JMA 26 17:07:26.3, 36:12N, 140:97E, h37km, 1km, M3.2, JMA Felt J1.

ISC 26 17:07:25.3, 1.3, 36:21N, 0:04-141:08E, 0:05, h13km, 9km, n17, c0:598/18, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHYU, JHYU, CHOU, CHOU, JHO, JHO, JYT, JYT, ONAJ, ONAJ, MJAR, MJAR, MJAR, MJAR, MAT, MAT, MAT, MAT, JHU, JHU, ASAJ, ASAJ, ASAJ, ASAJ, H1N2, H1N2, H1N1, H1N1, H1N3, H1N3, H1S1, H1S1, H1S3, H1S3, MKAR, MKAR, WRA, WRA.

SOME 26 17:07:45.8, 44:12N, 81:15E, h5km, NNC 26 17:07:47.2, 99.0, 44:21N, 81:39E, h40km, 999km, mb2.7, mpv2.0, Error ellipse: s-maj=1000.0km s-min=1000.0km az=143.0

ISC 26 17:07:47.0, 1.6, 44:10N, 0:05-81:21E, 0:07, h28km, 15km, n12, c1:45/22, SC-1D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KTMS, KTMS, DJR, DJR, DJR, DJR, PDGK, PDGK, PDGK, PDGK, SHLS, SHLS, SHLS, SHLS, KAPS, KAPS, KAPS, KAPS, UZB, UZB, UZB, UZB, KPKS, KPKS, KPKS, KPKS, MNBS, MNBS, MNBS, MNBS, MAKZ, MAKZ, MAKZ, MAKZ, MK31, MK31, MK31, MK31, KOTS, KOTS, KOTS, KOTS, KTBS, KTBS, KTBS, KTBS.

MEX 26 17:47:48.0, 0.9, 18:10N, 98:48W, h64km, gkm, MD3.8, Central Mexico

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TLIG, TLIG, YAIG, YAIG, YAIG, YAIG, PLIG, PLIG, PLIG, PLIG, MEIG, MEIG, MEIG, MEIG, TPIG, TPIG, TPIG, TPIG, MAVM, MAVM, MAVM, MAVM, ARIG, ARIG, ARIG, ARIG, CAIG, CAIG, CAIG, CAIG.

ISC 26 17:57:09.0, 6.0, 8:24N, 0:08-93:61E, 0:07, h26km, mb3.9/21, Error ellipse: s-maj=11.9km s-min=9.6km az=177.9

ISC 26 17:57:21.5, 3.6, 8:70N, 93:84E, h103km, 31km, mb3.6/21, mb1 3.7/23, mb1mx3.5/61, mbtmp3.9/23, Error ellipse: s-maj=22.0km s-min=13.2km az=46.0

ISC 26 17:57:12.3, 0.7, 8:43N, 0:10-93:58E, 0:08, h26km, n41, c181/33, mb3.9/21, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR, CMAR, CHTO, CHTO, CHTO, CHTO, CMMT, CMMT, CMMT, CMMT, PALK, PALK, PALK, PALK, ODAN, ODAN, RAMN, RAMN, JIRN, JIRN, PKIN, PKIN, DMN, DMN, GUN, GUN, KKN, KKN, GKN, GKN, KOLN, KOLN, DANN, DANN, PYUN, PYUN, H0S83, H0S83, H0S82, H0S82, H0S81, H0S81, MKAR, MKAR, SONM, SONM, SONM, SONM, KRSR, KRSR, GEYT, GEYT, KURB, KURB, ZALV, ZALV, BVAR, BVAR, WRA, WRA, WRA, WRA, MJAR, MJAR, ASAR, ASAR, BRTR, BRTR, FINES, FINES, ARCES, ARCES, GERES, GERES, HFS, HFS, NOA, NOA, SPITS, SPITS, DAVOX, DAVOX, EKA, EKA, TORO, TORO, ESDC, ESDC, ILAR, ILAR.

ISK 26 18:25:47.9, 38:83N, 43:46E, h5km, ML2.0/2, DDA 26 18:25:49.0, 38:76N, 43:59E, h7km, ML2.6, ISC 26 18:25:49.3, 1.1, 38:80N, 0:05-43:60E, 0:09, h25km, 7km, Error ellipse: s-maj=12.9km s-min=6.1km az=34.8

CSEM 26 18:25:49.5, 0.4, 38:78N, 43:43E, h5km, ML2.6, Error ellipse: s-maj=13.0km s-min=8.0km az=132.0

ISC 26 18:25:49.7, 1.0, 38:84N, 0:04-43:48E, 0:05, h19km, 2km, n13, c0:80/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR, VMUR, VMUR, VMUR, VANB, VANB, VANB, VANB, TVAN, TVAN, TVAN, TVAN, CLDR, CLDR, CLDR, CLDR, CLDR, CLDR, CLDR, CLDR, GURO, GURO, GURO, GURO.

GURO Guroymak-BITLI 1.17 256 ePn Pn 18 26 11.0 +0.2 eSn Sg 18 26 28.2 +0.6

ISC 26 18:28:39.7, 1.5, 37:75S, 179:99W, h0km, mb4.3/2, mb1 4.3/5, mb1mx3.9/43, mbtmp4.1/5, ML3.7/3, MS3.4/2, Ms1 3.3/2, ms1mx2.7/43, Error ellipse: s-maj=47.8km s-min=25.2km az=153.0

NEIC 26 18:28:41.6, 0.0, 37:53S, 179:69W, h45km, ML4.4(WEL), 18nm, 0.3s, baz=259, slow=3.9, SNR=148

WEL 26 18:28:36.1, 41:13S, 38:176E, 1:1, h39km, 11km, ISC 26 18:28:42.1, 1.7, 37:95S, 0:07-179:81W, 0:08, h27km, n80, c1943/87, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WMGZ, WMGZ, PUZ, PUZ, MXZ, MXZ, MXZ, MXZ, CNGZ, CNGZ, CNGZ, CNGZ, TWGZ, TWGZ, PRGZ, PRGZ, MWZ, MWZ, MHGZ, MHGZ, KNZ, KNZ, SWZ, SWZ, URZ, URZ, ARHZ, ARHZ, NMHZ, NMHZ, OPRZ, OPRZ, TNZ, TNZ, BKZ, BKZ, KAHZ, KAHZ, PXZ, PXZ, BHHZ, BHHZ, PRWZ, PRWZ, PNHZ, PNHZ, KRZV, KRZV, OTVZ, OTVZ, MOVZ, MOVZ, TUVZ, TUVZ, NGZ, NGZ, WHVZ, WHVZ, WNVZ, WNVZ, DVHZ, DVHZ, TSZ, TSZ, MTVZ, MTVZ, PKVZ, PKVZ, BFZ, BFZ, BFZ, BFZ, MRZ, MRZ, OKKZ, OKKZ, TMWZ, TMWZ, HOWZ, HOWZ, OGWZ, OGWZ, MTW, MTW, TRWZ, TRWZ, KIW, KIW, PAWZ, PAWZ, CAW, CAW, MSWZ, MSWZ, RWZ, RWZ, FCW, FCW, TUWZ, TUWZ, QRZ, QRZ, THZ, THZ, LTZ, LTZ, AKCZ, AKCZ, MQZ, MQZ, OXZ, OXZ, INZ, INZ, WVZ, WVZ, RPZ, RPZ, RPZ, RPZ, STKA, STKA, ASAR, ASAR, ASAR, ASAR, WRA, WRA, WRA, WRA, KURK, KURK, KURB, KURB, ARCES, ARCES, FINES, FINES, FINES, FINES, JANG, JANG, JRY, JRY, JCH, JCH, JOD, JOD, MJAR, MJAR, MJAR, MJAR, NEMZ, NEMZ, JHU, JHU, JHU, JHU.

27d Oh

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time Res, h m s ISC. Includes stations like WTTA Wattenberg, META Moosalm, MEM Membach, BFLA Feichten, etc.

ISC/JB 26:23:59.54.0.7, 25:71N.0.06.100.13E.0.05, h10km, mb3.9/6, MS3.5/2, Error ellipse: s-maj=8.6km s-min=6.7km az=24.9

BUI 26:23:59.54.2.5, 25:59N.99.97E, h6km, mb4.0/2, ML3.7/10, MS3.5/2, Ms7 3.5/1

IDC 26:23:59.56.0.1, 8.25;83N.99.81E, h0km, mb4.0/6, mb1.4/0.7, mb1mx3.6/70, mbtmp4.0/7, ML4.1/1, MS3.5/2, Ms1 3.5/2, ms1mx2.6/64, Error ellipse: s-maj=51.2km s-min=23.8km az=89.0

ISC 26:58:19, mb3.9/6, Yunnan

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time Res, h m s ISC. Includes stations like KMI Kunming, CD2 Chengdu, CHTO Chiang Mai, CMMT Chiang Mai, CMAR Chiang Mai Arr, CMAR Chiang Mai, UTTA Utaradit, XAN Xi'an, HHC Hu-ho-hao-te, HUR Urumqi, SONM Songino Array, MKAR Makanchi Array, ZALV Zalesovo Beam, BVAR Borovoye Array, AKTO Aktyubinsk, TORD Torodi Ar, Bca.

ISC/JB 27:00:11:48.4.0.8, 38:00S.0.05:179:53W.0.09, h31km, mb4.7/12, MS3.3/4, Error ellipse: s-maj=10.9km s-min=7.0km az=19.0

IDC 27:00:11:50.7.2.5, 37.47S:179:79E, h0km, mb4.4/2, mb1.4/3, mb1mx3.9/36, mbtmp4.3/3, ML3.9/1, MS3.4/5, Ms1 3.4/5, ms1mx2.9/34, Error ellipse: s-maj=102.8km s-min=28.3km az=156.0

NEIC 27:00:11:51.0.0.0, 37.61S:179:72W, h32km, mb4.7/9, ML4.3(WEL), After WEL

WEL 27:00:12:42.6.0.4, 40.5S:177.7E, h35km, 5km

ISC 27:01:52.3.0.8, 37.88S.008:179.75W.0.09, h31km, n114, s1971/109, mb4.6/12, MS3.4/4, East of North Island

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time Res, h m s ISC. Includes stations like WMGZ Waioniatatini, MXZ Matakoa Point, PUZ Puketiti, CNZG Carnagh Statio, TWGZ Tauwhareparae, TKGZ Te Karaka, PRGZ Paritu Road, MWZ Matawai, MHGZ Mahia Peninsula, RAGZ Rawiri, KNZ Kokotui, SNZG Shannon Statio, URZ Urewera.

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Table with columns: URZ, Sn, Sn, 00 12 59.4 -1.0. Includes stations like WHZ Waihua, RAHZ Aarahi, WTHZ Maungataniwha, PHZH Pukekohe, OPRZ Ohinepanea, NMHZ Naumai, TARZ Cape Tararapa, KRHZ Kauri Kidnapper, KHZ Kahurangi, PXZ Pawanui, BHHZ Black Hill Sta, WPHZ Waipukui, PHZ Pukekohe, WPHZ Waipukui, KUZ Kautoutu, KRZV Kaeatawera, OTVZ Otutere, MOHZ Moawhango, TUWZ Tukino, NGZ Ngauruhoe, ANWZ Angora Road, WHVZ Whangaeu Hut, WHVZ Whangaeu, TSZ Takaparu Road, DVHZ Danverville, MKAZ Moumakai, BFZ Birch Farm, PRWZ Port Road, POWZ Post Office Ro, TIWZ Tintock, TIWZ Tintock, VRZ Vera Road, WAZ Wanganui, WRZ Whangaitai, TMWZ Te Maipa, TMWZ Te Maipa, HOWZ Holdsworth Sta, HOWZ Holdsworth Sta, OSWZ Otaki Hill, OSWZ Otaki Hill, MTW Mount Morrison, MTW Mount Morrison, TRV Traveller, TRV Traveller, KIW Kapiti Island, KIW Kapiti Island, PAWZ Parawai Farm, PAWZ Parawai Farm, CAW Cannon Point, CAW Cannon Point, MSWZ Moikau Station, MSWZ Moikau Station, PLWZ Palliser, PLWZ Palliser, BHW Baring Head, BHW Baring Head, TCW Tory Channel, TCW Tory Channel, DUWZ D'Urville Isla, DUWZ D'Urville Isla, BSWZ Blackbirch Sta, BSWZ Blackbirch Sta, NNZ Nelson, NNZ Nelson, CTZ Chatham Island, CTZ Chatham Island, QHZ Quartz Range, QHZ Quartz Range, THZ Topohue, THZ Topohue, LTZ Lake Taylor, LTZ Lake Taylor, LTR LTR, LTR LTR, MQZ McQueen's Vall, MQZ McQueen's Vall, RPZ Rata Peaks, RPZ Rata Peaks, LBZ Lake Benmore, LBZ Lake Benmore, JCZ Jackson Bay, JCZ Jackson Bay, TUZ Tuapeka, TUZ Tuapeka, DZM Mont Dzumac, DZM Mont Dzumac, RAR Rarotonga, RAR Rarotonga, AFI Afiamalu, AFI Afiamalu, TAU Tasmania Univ, TAU Tasmania Univ, STKA Stephens Creek, STKA Stephens Creek, HNR Haurua, HNR Haurua, CTAO Charters Tower, CTAO Charters Tower, PMG Port Moresby, PMG Port Moresby, ASAR Alice Springs, ASAR Alice Springs, ASAR ASAR, ASAR ASAR, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, WSPA South Pole Qui, WSPA South Pole Qui, MBWA Marble Bar, MBWA Marble Bar, PMSA Palmer Station, PMSA Palmer Station, COCO West Island, COCO West Island, TATO Taipei, TATO Taipei, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, ARCES ARCES Array B, ARCES ARCES Array B, KBZ Khabaz, KBZ Khabaz, FINES FINES Array B, FINES FINES Array B.

NEIC 27:00:16:58.9.0.0, 37.61S:179:74W, h30km, ML4.1(WEL), After WEL

IDC 27:00:16:59.5.2.7, 37.08S:179:62E, h0km, mb4.0/2, mb1.4/3, mb1mx3.9/37, mbtmp4.0/3, ML3.7/1, Error ellipse: s-maj=84.2km s-min=31.0km az=146.0

ISC 27:00:17:01.8.1.3, 38:00S.007:179:87E.0.07, h28km, n49, s172/52, Off east coast of North Island

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time Res, h m s ISC. Includes stations like WMGZ Waioniatatini, PUZ Puketiti, MXZ Matakoa Point, CNZG Carnagh Statio, TWGZ Tauwhareparae, TKGZ Te Karaka, PRGZ Paritu Road, MWZ Matawai, MHGZ Mahia Peninsula, RAGZ Rawiri, URZ Urewera, URZ Urewera, ARHZ Aroapanui, OPRZ Ohinepanea, NMHZ Naumai, TARZ Mount Tararapa.

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Table with columns: MCHZ McNeill Hill, BKZ Black Stump Fm, KAHZ Kahurangi, PHXZ Pawanui, BHHZ Black Hill Sta, PHZH Pukekohe, PNHZ Pukekohe, OTVZ Otutere, MUWZ Moawhango, TUWZ Tukino, WHVZ Whangaeu Hut, WHVZ Whangaeu, TSZ Takaparu Road, DVHZ Danverville, MTVZ Mangateitei, BFZ Birch Farm, PRZ Paritu Road, TIWZ Tintock, WAZ Wanganui, WRZ Whangaitai, HOWZ Holdsworth Sta, HOWZ Otaki Gorge, MTW Mount Morrison, KIW Kapiti Island, CAW Cannon Point, PLWZ Palliser, DUWZ D'Urville Isla, PTZ Chatham Island, CTZ Chatham Island, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, ARCES ARCES Array B, ARCES ARCES Array B, FINES FINES Array B, FINES FINES Array B.

IDC 27:00:33:35.8.2.6, 62.35N:151.31W, h68km, 40km, ms3.6/2, mb1.3/9.5, mb1mx3.1/78, mbtmp4.0/5, ML3.8/3, MS3.1/1, Ms1 3.1/1, ms1mx2.2/67, Error ellipse: s-maj=53.8km s-min=17.9km az=114.0

ISC/JB 27:00:33:36.1.0.3, 62.22N:150.92W.0.06, h101km, 3km, mb3.9/2, Error ellipse: s-maj=4.5km s-min=3.3km az=25.8

NEIC 27:00:33:38.2.0.0, 62.23N:150.99W, h88km, ML3.2(AEIC), n72, c0918/85, Central Alaska

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time Res, h m s ISC. Includes stations like TRAP Trapper Creek, SKT Skwentna, SKT Skwentna, SUA Suisuita One, SUA Suisuita One, PUA Purkeypille, PUA Purkeypille, HUR Hurricane, HUR Hurricane, GHO Glory Hole Range, GHO Glory Hole Range, GHO GHO, GHO GHO, PMR Palmer, PMR Palmer, SPCG Spurr Capps GI, SPCG Spurr Capps GI, SPCG Spurr Capps GI, SPCG Spurr Capps GI, FIB Fire Island, FIB Fire Island, SPCR Crater Peak Br, SPCR Crater Peak Br, SPCR Spurr Chakacha, SPCR Spurr Chakacha, SPCR Spurr Chakacha, SPCR Spurr Chakacha, RC01 Rabbit Creek A, RC01 Rabbit Creek A, TRF Thorofare Mount, TRF Thorofare Mount, SMOZ Sawmill, SMOZ Sawmill, CAST Castle Rocks, CAST Castle Rocks, KTH Katnisha Hill, KTH Katnisha Hill, KNK Knik Glacier, KNK Knik Glacier, PTE Portage, PTE Portage, GCM Sheep Creek Mo, GCM Sheep Creek Mo, MCK McKeel, MCK McKeel, DFR Drift River, DFR Drift River, RDJ Redoubt Jeurge, RDJ Redoubt Jeurge, BPW Bear Paw Mtn, BPW Bear Paw Mtn, RDWB Redoubt West, RDWB Redoubt West, SWN Swan, SWN Swan, GLJ Glacier Island, GLJ Glacier Island, JPK Jack Peak, JPK Jack Peak, TT01 Talatina, TT01 Talatina, KLU Klutina, KLU Klutina, SVWZ Sparrevohn, SVWZ Sparrevohn, GCM Menard, GCM Menard, FID Fort Fidalgo, FID Fort Fidalgo, WRH Wood River Hill, WRH Wood River Hill, PAX Paxson, PAX Paxson, PS10 TAPS Pump St10, PS10 TAPS Pump St10, DIV Divide, DIV Divide, HARP HARP, HARP HARP, HIN Hinchinbrook I, HIN Hinchinbrook I, CCB Clear Creek Bu, CCB Clear Creek Bu, MLY Manley, MLY Manley, PS08 TAPS Pump Str8, PS08 TAPS Pump Str8, DMH Miami Dome, DMH Miami Dome, AUW Augustine West, AUW Augustine West, AUJ Augustine Jueg, AUJ Augustine Jueg, ILAR Eielson Array, ILAR Eielson Array, ILAR ILAR, ILAR ILAR, ILB Eielson Array, ILB Eielson Array, RIDG Independe' Rid, RIDG Independe' Rid, GLM Gilmore Dome, GLM Gilmore Dome, BMRM Bremner River, BMRM Bremner River, KBU Kibuk, KBU Kibuk, GLB Gilahina Butte, GLB Gilahina Butte, RAGM Ragged Mountai, RAGM Ragged Mountai, SCRR Sand Creek, SCRR Sand Creek, VRDI Verde Repeater, VRDI Verde Repeater, IM05 Indian Mountai, IM05 Indian Mountai, PRP Porcupine Dome, PRP Porcupine Dome, KAHG Katmai Hook GI, KAHG Katmai Hook GI, KIAG Kiagner River, KIAG Kiagner River, BC03 Beaver Creek A, BC03 Beaver Creek A, KAKN Katmai Knife C, KAKN Katmai Knife C, KAKN Katmai Knife C, KAKN Katmai Knife C, KDAK Kodai Island, KDAK Kodai Island, KDAK Kodai Island, KDAK Kodai Island, KDAK KDAK, KDAK KDAK, KDAK KDAK, KDAK KDAK, CAHL Cahill, CAHL Cahill, EGAK Eagle, EGAK Eagle, OHAK Old Harbor, OHAK Old Harbor, DAWY Dawson, DAWY Dawson, DAWY Dawson, DAWY Dawson, BM3 Burnt Mountain, BM3 Burnt Mountain, SII Sitkinaitan, SII Sitkinaitan, INK Inuvik, INK Inuvik, YAK Yakutat, YAK Yakutat, ZALV Zalesovo Beam, ZALV Zalesovo Beam, MKAR Makanchi Array, MKAR Makanchi Array, CASZ 27:00:47:37.9.1.3, 12.56N:87.76W, h76km, 13km, ML3.6, 2D,

27d 2h

PCON	Cinco Dias	18.62	130	eP	Pn	02 11 02.5 +1.2
Z41A	Richland Creek	18.64	354	P	Pn	02 10 59.0 +1.1
Z41A	Richland Creek	18.64	354	eP	Pn	02 11 03.6 +3.0
Z45A	Winona	18.66	2	P	P	02 10 59.2 +1.1
Z45A	Winona	18.66	2	eP	Pn	02 11 03.6 +2.7
OTAV	Otavalo	18.70	139	eP	P	02 11 00.7 +1.5
Z40A	Long Farm, Mag	18.70	353	P	P	02 10 59.8 +1.2
152A	Waverly Hall	18.73	16	P	P	02 11 01.1 +2.2
152A	Waverly Hall	18.73	16	eP	P	02 11 01.1 +2.2
CRUC	La Cruz	18.74	133	eP	Pn	02 11 03.8 +1.4
Z55A	Hazlehurst	18.75	22	P	P	02 11 00.4 +1.4
Z55A	Hazlehurst	18.75	22	eP	P	02 11 00.7 +1.7
ROSC	El Rosal	18.77	120	eP	P	02 11 02.4 +2.4
Z48A	Columbiana	18.84	11	P	P	02 11 02.4 +2.3
Z48A	Northport	18.86	8	P	P	02 11 02.0 +1.8
BARC	Barichara	18.90	113	eP	P	02 11 01.8 +0.6
PRAC	Prado	18.93	123	eP	P	02 11 04.1 +2.8
PRAC	Prado	18.93	123	eP	P	02 11 03.1 +1.8
TXAR	Lajitas Array	18.95	323	P	P	02 11 02.2 +0.8
TXAR	Lajitas Array	18.95	323	P	ScP	02 18 35.3 +0.1
TX31	Lajitas Ar. Si	18.95	323	eP	P	02 11 03.1 +1.7
153A	Fort Valley	18.96	18	P	P	02 11 02.7 +1.3
Z56A	Glennville	19.01	23	P	P	02 11 03.5 +1.6
Z50A	Ashland	19.01	12	P	P	02 11 03.9 +1.9
Z50A	Ashland	19.01	12	eP	P	02 11 04.2 +2.2
Y42A	Garnett, Star	19.14	357	P	P	02 11 04.7 +1.4
154A	Montrose	19.15	20	P	P	02 11 04.8 +1.3
154A	Montrose	19.15	20	eP	P	02 11 05.3 +1.8
Y45A	Yeager Farm, C	19.16	3	P	P	02 11 04.9 +1.4
Y46A	Houston	19.22	4	P	P	02 11 05.7 +1.5
Z51A	Franklin	19.24	14	P	P	02 11 06.1 +1.7
Y41A	Eaglette Beard	19.24	355	P	P	02 11 05.1 +0.7
Y44A	Strider, Charl	19.24	1	P	P	02 11 05.2 +0.9
Z52A	Williamson	19.30	16	P	P	02 11 06.9 +1.8
RUSC	La Rusia	19.31	115	eP	P	02 11 05.8 -0.1
RUSC	La Rusia	19.31	115	eP	P	02 11 07.1 +1.3
Y47A	UCPARC, Winfie	19.34	7	P	P	02 11 07.2 +1.8
CHIC	Chingaza	19.38	119	eP	P	02 11 07.1 +0.6
155A	Kite	19.38	21	P	P	02 11 07.2 +1.4
Y40A	Okolona	19.43	353	P	P	02 11 07.0 +0.5
Y48A	Jasper	19.44	9	P	P	02 11 08.1 +1.6
Y49A	Blount Mountai	19.51	11	P	P	02 11 09.0 +1.8
Y49A	Blount Mountai	19.51	11	eP	P	02 11 09.3 +2.0
Z53A	Monticello	19.63	18	P	P	02 11 09.9 +1.3
Y50A	Piedmont	19.67	12	P	P	02 11 10.4 +1.4
VILC	Villavicencio,	19.69	120	eP	Pn	02 11 13.8 +0.3
ABTX	Abilene, Hawle	19.70	337	eP	P	02 11 11.0 +1.6
X45A	UM Field Stati	19.73	3	P	P	02 11 10.0 +0.4
156A	Sylvania	19.76	23	P	P	02 11 11.0 +1.0
GOGA	Godfrey	19.78	18	eP	P	02 11 11.4 +1.2
GOGA	Godfrey	19.78	18	eP	P	02 11 11.6 +1.4
X43A	Marvell	19.79	359	P	P	02 11 11.2 +1.0
OXF	Oxford	19.81	3	P	P	02 11 10.4 -0.1
OXF	Oxford	19.81	3	eP	P	02 11 10.9 +0.4
Z54A	Sparta	19.81	20	P	P	02 11 11.3 +0.8
Y51A	Rockmart	19.82	14	P	P	02 11 12.4 +1.7
X41A	Kaden, Bauxite	19.84	355	P	P	02 11 11.0 +0.2
X42A	Stuttgart	19.84	358	P	P	02 11 11.1 0.0
X40A	Basin Creek Fa	19.86	355	eP	P	02 11 11.3 +0.3
X46A	Goenville	19.91	5	P	P	02 11 14.0 +2.4
X47A	Russelville	19.95	7	P	P	02 11 12.9 +1.0
XJAC	San Juan de Ar	19.95	123	eP	P	02 11 16.4 +4.1
X48A	Hartselle	19.98	9	P	P	02 11 13.5 +1.1
X48A	Hartselle	19.98	9	eP	P	02 11 13.7 +1.3
MIAR	Mount Ida	20.00	353	P	P	02 11 12.2 -0.3
MIAR	Mount Ida	20.00	353	eP	P	02 11 12.4 -0.1
X39A	Fountain Ranch	20.03	352	P	P	02 11 11.9 -1.0
Y52A	Lilburn	20.04	16	P	P	02 11 14.5 +1.5
Z55A	Blythe	20.04	21	P	P	02 11 14.0 +1.1
UALR	University of	20.11	356	eP	P	02 11 14.1 +0.5
YOPC	Yopal, Colombi	20.14	115	eP	P	02 11 14.4 0.0
X49A	Woodville	20.16	10	P	P	02 11 15.6 +1.3
Y53A	Monroe	20.16	17	P	P	02 11 15.5 +1.2
TAMC	Tame, Arauca	20.21	112	eP	P	02 11 14.4 -0.7
X50B	Fort Payne	20.24	12	P	P	02 11 16.5 +1.4
SDV	Santo Domingo	20.38	104	P	P	02 11 16.9 -0.1
SDV	Santo Domingo	20.38	104	eP	P	02 11 16.9 -0.1
PLAL	Pickwick Lake	20.38	6	eP	P	02 11 16.9 +0.3
Y54A	Tignall	20.44	19	P	P	02 11 18.0 +0.8
W45A	Hickory Valley	20.47	3	P	P	02 11 18.2 +0.7
W41B	Gary Mavity, V	20.50	356	P	P	02 11 17.5 -0.3
W41B	Gary Mavity, V	20.50	356	eP	P	02 11 17.9 +0.1
W46A	Michie	20.50	5	P	P	02 11 19.4 +1.5
X51A	Calhoun	20.51	14	P	P	02 11 18.7 +0.8
X51A	Calhoun	20.51	14	eP	P	02 11 19.2 +1.3
W40A	Ferguson Farm,	20.58	354	P	P	02 11 18.9 +0.2
WHAR	Woolly Hollow	20.61	356	eP	P	02 11 19.3 +0.2
W39A	Magazine	20.66	353	P	P	02 11 19.5 -0.1

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W39A	Magazine	20.66	353	eP	P	02 11 19.6 0.0
W48A	Pulaski	20.68	9	P	P	02 11 20.7 +1.0
NHSC	New Hope	20.69	26	P	P	02 11 20.7 +0.9
NHSC	New Hope	20.69	26	eP	P	02 11 21.1 +1.3
W47A	Westpoint	20.70	7	P	P	02 11 20.4 +0.4
W49A	Belvidere	20.76	10	P	P	02 11 21.8 +1.1
X52A	Dahlonega	20.78	16	P	P	02 11 21.9 +1.0
X53A	Estanolee	20.85	17	P	P	02 11 22.3 +0.8
SWET	Sewanee	20.91	11	eP	P	02 11 23.3 +1.0
W50A	Signal Mountai	21.02	12	P	P	02 11 24.1 +0.7
W50A	Signal Mountai	21.02	12	eP	P	02 11 24.4 +0.9
V45A	Humboldt	21.06	4	P	P	02 11 23.8 0.0
V42A	Cord	21.09	358	P	P	02 11 23.1 -1.0
V41A	Mountainview	21.10	357	P	P	02 11 23.5 -0.7
W51A	Cleveland	21.10	13	P	P	02 11 25.2 +1.0
V44A	Blytheville	21.11	2	P	P	02 11 24.6 +0.4
V40A	Witts Springs	21.16	355	P	P	02 11 24.4 -0.6
V40A	Witts Springs	21.16	355	eP	P	02 11 24.5 -0.4
V46A	Holladay	21.19	6	P	P	02 11 24.6 -0.6
W52A	Murphy	21.24	15	P	P	02 11 26.6 +0.9
V47A	Nursery	21.28	7	P	P	02 11 26.1 +0.1
V39A	Pettigrew	21.28	353	P	P	02 11 25.3 -0.8
V48A	Smith Brothers	21.28	9	P	P	02 11 26.6 +0.4
V48A	Smith Brothers	21.28	9	eP	P	02 11 26.9 +0.8
JSC	Jenkinsville	21.30	22	eP	P	02 11 27.3 +0.9
WMOK	Wichita Mounta	21.32	341	P	P	02 11 25.7 -0.8
WMOK	Wichita Mounta	21.32	341	eP	P	02 11 25.1 -1.5
BG3	Lake Joasse	21.41	18	eP	P	02 11 28.8 +1.3
CPCT	Cooper Cave	21.43	14	eP	P	02 11 28.8 +1.1
V49A	Nicholsville	21.46	11	P	P	02 11 28.3 +0.3
W53A	Cullowhee	21.51	17	P	P	02 11 29.1 +0.5
V50A	Pikeville	21.52	12	P	P	02 11 29.1 +0.5
WVT	Waverly	21.54	6	P	P	02 11 28.6 -0.2
WVT	Waverly	21.54	6	eP	P	02 11 29.1 +0.3
U42A	Reviden	21.63	359	P	P	02 11 28.8 -0.8
U44B	Burton Farm, H	21.64	3	P	P	02 11 29.5 -0.2
U41A	Viola	21.64	357	P	P	02 11 28.9 -0.9
TUL1	Leonard	21.68	349	P	P	02 11 28.9 -1.2
TUL1	Leonard	21.68	349	eP	P	02 11 29.0 -1.2
MNTX	Cornudas Mount	21.69	324	P	P	02 11 29.2 -1.2
MNTX	Cornudas Mount	21.69	324	eP	P	02 11 30.6 +0.2
U40A	Yellville	21.72	355	P	P	02 11 30.0 -0.5
U46A	Springleville	21.74	5	P	P	02 11 30.9 +0.1
U39A	Green Forest	21.80	354	P	P	02 11 30.6 -0.8
V51A	Loudon	21.81	14	eP	P	02 11 32.4 +0.9
V51A	Loudon	21.81	14	eP	P	02 11 32.5 +1.0
TKL	Tuckaleechee C	21.81	15	P	P	02 11 32.8 +1.3
U47A	Clarksville	21.88	19	7	P	02 11 32.5 +0.1
V52A	Sevierville	22.03	15	P	P	02 11 34.7 +1.0
V52A	Sevierville	22.03	15	eP	P	02 11 34.6 +1.0
KMSC	Kings Mountain	22.06	21	P	P	02 11 34.9 +1.0
KMSC	Kings Mountain	22.06	21	eP	P	02 11 34.9 +1.0
V53A	Saluda	22.08	17	P	P	02 11 35.2 +1.0
V53A	Saluda	22.08	17	eP	P	02 11 35.2 +1.0
U48A	Cassie Pea, Po	22.08	9	P	P	02 11 34.3 +0.1
MSTX	Muleshoe	22.16	332	P	P	02 11 33.8 -1.3
MSTX	Muleshoe	22.16	332	eP	P	02 11 34.2 -0.9
U49A	Red Boiling Sp	22.20	10	P	P	02 11 35.8 +0.5
U50A	Jamesstown	22.29	12	P	P	02 11 36.9 +0.7
T42A	Van Buren	22.30	359	P	P	02 11 35.2 -1.0
T41A	Mountain View	22.33	358	P	P	02 11 35.9 -0.6
T43A	Greenville	22.35	1	P	P	02 11 35.9 -0.7
T44A	Benton	22.37	2	P	P	02 11 36.4 -0.4
T39A	Clever	22.43	354	P	P	02 11 36.7 -0.6
U51A	La Follette	22.44	14	P	P	02 11 38.2 +0.8
T46A	Princeton	22.44	6	P	P	02 11 37.6 +0.1
T47A	Sharon Grove	22.47	7	P	P	02 11 38.1 +0.4
AMTX	Amarillo	22.48	336	P	P	02 11 36.9 -1.1
T38A	Diamond	22.54	352	P	P	02 11 37.6 -0.7
T48A	Bowling Green	22.69	9	P	P	02 11 40.9 +1.2
TZTN	Tazewell	22.71	15	P	P	02 11 40.8 +0.9
TZTN	Tazewell	22.71	15	eP	P	02 11 40.8 +0.9
U53A	Fall Branch	22.80	17	P	P	02 11 41.5 +0.8
T49A	Edmonton	22.82	11	P	P	02 11 41.4 +0.5
T49A	Edmonton	22.82	11	eP	P	02 11 41.5 +0.6
S43A	Fulton Ridge,	22.84	1	P	P	02 11 40.2 -0.9
S41A	Jilco Farms,	22.87	358	P	P	02 11 40.6 -0.8
T50A	Nancy	22.87	12	P	P	02 11 41.8 +0.4
S40A	Lebanon	22.93	356	P	P	02 11 41.6 -0.2
S44A	Carbondale	22.99	3	P	P	02 11 42.5 +0.1
S45A	Carrier Mills	23.01	4	P	P	02 11 42.0 -0.6
T51A	Gray	23.01	14	P	P	02 11 43.6 +1.0
S42A	Caledonia	23.04	360	P	P	02 11 42.2 -0.6
S38A	Stockton	23.08	353	P	P	02 11 42.5 -0.7
S39A	Bolivar	23.08	355	P	P	02 11 42.5 -0.7

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S39A	Bolivar	23.08	355	eP	P	02 11 42.8 -0.4
S46A	Don Dixon Farm	23.09	6	P	P	02 11 42.8 -0.5
S47A	Hartford	23.10	8	P	P	02 11 43.2 -0.2
S48A	Wiedeman Farm,	23.28	9	P	P	02 11 45.0 0.0
OBIP	Obispo Pando	23.28	78	eP	P	02 11 45.6 +0.3
CCM	Cathedral Cave	23.33	359	P	P	02 11 45.7 +0.3
CCM	Cathedral Cave	23.33	359	eP	P	02 11 45.7 +0.3
USIN	University of	23.38	6	eP	P	02 11 46.4 +0

N44A	Piper City	26.15	4	P	P	02 12 09.9	-1.0
N39A	Derby Farms, D	26.19	357	P	P	02 12 10.6	-0.7
N37A	Lee Faris, Mou	26.21	354	P	P	02 12 10.4	-1.0
CBN	Corbin Frederi	26.23	24	P	P	02 12 10.7	-1.0
CBN	Corbin Frederi	26.23	24	eP	P	02 12 12.7	+1.0
N45A	Kentland	26.25	5	P	P	02 12 10.7	-1.1
M41A	Milan	26.64	0	P	P	02 12 14.5	-0.7
M40A	Post Highland	26.68	359	P	P	02 12 14.7	-1.0
M42A	Sheffield	26.73	1	P	P	02 12 15.1	-1.0
M43A	Waltham Townsh	26.73	3	P	P	02 12 15.6	-0.6
M44A	Midewin, Midew	26.74	4	P	P	02 12 14.2	-2.0
M44A	Midewin, Midew	26.74	4	eP	P	02 12 15.8	-0.5
M38A	Pleasantville	26.77	356	P	P	02 12 15.9	-0.6
M39A	Webster	26.77	357	P	P	02 12 15.5	-1.0
M45A	Boilermakers S	26.81	6	P	P	02 12 15.9	-1.0
M37A	Trindle Farm,	26.83	354	P	P	02 12 16.6	-0.4
N50A	Nevada	26.84	13	P	P	02 12 17.2	+0.1
M46A	Old House Fiel	26.92	7	P	P	02 12 18.1	+0.3
M36A	Felix, Anita	26.96	353	P	P	02 12 17.6	-0.6
S22A	4UR Ranch, Cre	27.14	331	P	P	02 12 19.9	-0.2
S22A	4UR Ranch, Cre	27.14	331	eP	P	02 12 21.5	+1.3
L42A	Oliver, Polo	27.28	2	P	P	02 12 20.2	-0.8
L40A	Anamosa	27.33	359	P	P	02 12 20.9	-0.6
L40A	Anamosa	27.33	359	eP	P	02 12 21.4	-0.1
L41A	Preston	27.34	0	P	P	02 12 20.8	-0.7
L39A	Vinton	27.41	358	P	P	02 12 21.6	-0.6
BGNE	Belgrade	27.46	348	P	P	02 12 22.0	-0.6
M50A	Fremont	27.46	12	P	P	02 12 21.9	-0.7
L38A	Oak Wood Farm,	27.48	356	P	P	02 12 22.5	-0.3
SDMD	Soldier's Deli	27.48	24	eP	P	02 12 22.4	+1.2
L43A	Garden Prairie	27.49	3	P	P	02 12 22.3	-0.6
L37A	Phoenix Point,	27.52	355	P	P	02 12 22.6	-0.5
MVCO	Mesa Verde	27.54	328	P	P	02 12 23.6	-0.1
MVCO	Mesa Verde	27.54	328	eP	P	02 12 25.2	+1.5
L36A	Harm Buss Farm	27.58	353	P	P	02 12 23.2	-0.5
O56A	Blue Knob Stat	27.62	20	P	P	02 12 23.6	-0.5
O56A	Blue Knob Stat	27.62	20	eP	P	02 12 25.1	+0.9
L48A	N Adams	27.73	10	P	P	02 12 24.1	-0.8
N54A	Moraine State	27.81	17	P	P	02 12 24.6	-1.2
N54A	Moraine State	27.81	17	eP	P	02 12 26.4	+0.7
K41A	Shullsburg	27.87	0	P	P	02 12 25.4	-0.8
K40A	Colesburg	27.96	359	P	P	02 12 26.1	-0.9
K38A	Parkersburg	27.97	357	P	P	02 12 26.6	-0.6
K39A	Oelwein	27.98	358	P	P	02 12 26.3	-0.9
K43A	Burlington	28.03	4	P	P	02 12 27.0	-0.7
K37A	Belmond	28.15	355	P	P	02 12 28.2	-0.5
JFWS	Jewell Farm	28.18	1	P	P	02 12 28.4	-0.6
JFWS	Jewell Farm	28.18	1	eP	P	02 12 28.7	-0.3
SSPA	Standing Stone	28.18	21	P	P	02 12 29.4	+0.4
SSPA	Standing Stone	28.18	21	eP	P	02 12 30.0	+1.0
MVL	Millersville	28.18	24	eP	P	02 12 30.4	+1.4
SMCO	Snowmass	28.36	333	eP	P	02 12 31.5	+0.3
M54A	Oil Creek Stat	28.41	17	P	P	02 12 30.2	-0.9
M54A	Oil Creek Stat	28.41	17	eP	P	02 12 31.6	+0.5
PV13	Radium Mtn., P	28.43	329	eP	P	02 12 33.4	+1.8
PV03	Paradox Valley	28.52	329	eP	P	02 12 33.9	+1.6
PV18	Skein Mesa, Pa	28.54	329	eP	P	02 12 34.1	+1.6
PV12	Saucer Basin,	28.54	329	eP	P	02 12 34.5	+1.9
PV11	David Mesa, Pa	28.56	329	eP	P	02 12 34.4	+1.7
PV17	East Wray Mesa	28.59	329	eP	P	02 12 34.5	+1.6
PV16	Nyswonger	28.59	329	eP	P	02 12 33.6	+0.6
J42A	Columbus	28.61	2	P	P	02 12 32.0	-0.7
J39A	Decorah	28.61	358	P	P	02 12 31.8	-1.0
J38A	Wedel Dairy, R	28.62	357	P	P	02 12 32.2	-0.7
J41A	Loganville	28.63	1	P	P	02 12 32.2	-0.8
PV20	West Nyswonger	28.64	329	eP	P	02 12 35.1	+1.7
J37A	Redenius Farm,	28.68	356	P	P	02 12 33.7	+0.3
PV14	Lion Creek, Pa	28.69	329	eP	P	02 12 34.3	+0.4
J43A	Natural Harves	28.70	3	P	P	02 12 32.6	-1.0
PV22	Blue Mesa, Par	28.70	329	eP	P	02 12 35.5	+1.6
PV23	Carpenter Ridg	28.75	329	eP	P	02 12 36.0	+1.6
J36A	Seneca 1, Swea	28.77	354	P	P	02 12 33.6	-0.6
ERPA	Eric	28.88	17	P	P	02 12 35.0	-0.1
LUPA	Lehigh Unvers	29.08	24	eP	P	02 12 38.5	+1.4
I39A	Houston	29.12	359	P	P	02 12 36.2	-1.1
I39A	Houston	29.12	359	eP	P	02 12 36.9	-0.5
I40A	Norwalk	29.15	0	P	P	02 12 36.5	-1.1
I42A	Draeger Farm,	29.19	3	P	P	02 12 36.2	-1.6
I42A	Draeger Farm,	29.19	3	eP	P	02 12 37.8	-0.1
N59A	State Game Lan	29.20	23	P	P	02 12 38.4	+0.4
I43A	Langefeld Bro	29.22	4	P	P	02 12 37.7	-0.5
I41A	Arkdale	29.32	1	P	P	02 12 38.4	-0.8
I38A	Scanlan Farm,	29.34	357	P	P	02 12 38.5	-0.7
N23A	Red Feather La	29.36	336	P	P	02 12 40.2	+0.3

I37A	Lemond, Waseca	29.37	356	P	P	02 12 38.4	-1.1
I37A	Lemond, Waseca	29.37	356	eP	P	02 12 39.4	-0.2
BC3	Big Chuckwall	29.39	314	P	P	02 12 40.4	+0.4
ECSD	EROS Data Cent	29.44	351	P	P	02 12 39.3	-0.9
ECSD	EROS Data Cent	29.44	351	eP	P	02 12 39.7	-0.5
MONP2	Monument Peak	29.66	312	P	P	02 12 42.9	+0.4
O20A	White River Ci	29.71	332	P	P	02 12 43.6	+0.8
H42A	Shiocton	29.82	3	P	P	02 12 43.1	-0.3
H40A	Chili	29.88	0	P	P	02 12 43.4	-0.7
H41A	Junction City	29.89	1	P	P	02 12 43.3	-0.8
H37A	Dierke Farm, C	29.90	357	P	P	02 12 43.9	-0.3
H39A	Augusta	29.94	359	P	P	02 12 43.0	-1.5
H38A	Maiden Rock	29.97	358	P	P	02 12 44.1	-0.6
H36A	Jessenland, He	29.97	355	P	P	02 12 44.3	-0.5
PAL	Palisades	30.02	26	P	P	02 12 44.8	-0.5
LCMT	Little Creek M	30.03	322	eP	P	02 12 47.3	+1.6
MMNY	Mt. Morris Dam	30.05	19	eP	P	02 12 46.3	+0.8
H35A	Sunnyside Ranc	30.17	354	P	P	02 12 46.7	+0.1
BINY	Binghamton	30.23	22	P	P	02 12 47.5	+0.3
BINY	Binghamton	30.23	22	eP	P	02 12 47.8	+0.7
P18A	Presidents	30.27	329	eP	P	02 12 49.4	+1.5
P17A	Butcher Ranch,	30.40	328	eP	P	02 12 50.4	+1.5
G38A	Ridgeland	30.45	358	P	P	02 12 47.9	-1.1
MSU	Marysville	30.46	325	eP	P	02 12 51.3	+1.9
CCUT	Cedar City	30.46	323	eP	P	02 12 51.6	+2.0
G41A	Antigo	30.49	2	P	P	02 12 48.4	-1.0
SUSD	Miller	30.54	348	P	P	02 12 48.9	-0.9
SPMN	Marine on St.	30.54	357	P	P	02 12 48.9	-0.9
RWWY	Rawlins	30.55	335	eP	P	02 12 50.8	+0.6
G39A	Holcombe	30.55	359	P	P	02 12 48.9	-1.0
G42A	Mountain	30.56	3	P	P	02 12 49.7	-2.1
G42A	Mountain	30.56	3	eP	P	02 12 49.2	-0.7
G43A	Wallace	30.62	4	P	P	02 12 48.5	-1.9
G43A	Wallace	30.62	4	eP	P	02 12 49.5	-1.0
F41A	Three Lakes	31.02	2	P	P	02 12 52.4	-1.6
F39A	Loretta	31.18	360	P	P	02 12 53.5	-1.9
F40A	Park Falls	31.18	1	P	P	02 12 54.1	-1.3
F36A	Milaca	31.22	356	P	P	02 12 54.8	-1.0
F36A	Milaca	31.22	356	eP	P	02 12 55.1	-0.6
F43A	Flat Rock, Esc	31.23	5	P	P	02 12 54.6	-1.2
F38A	Pierce - Schro	31.23	358	P	P	02 12 54.7	-1.2
F45A	GMU Biological	31.24	7	P	P	02 12 54.8	-1.1
F35A	Swanville	31.29	355	P	P	02 12 55.4	-1.0
COWI	Cowley	31.38	2	eP	P	02 12 56.0	-1.2
PSUT	Pine Spring	31.42	324	eP	P	02 12 59.8	+2.0
F46A	Macinaw City C	31.42	8	P	P	02 12 56.5	-1.0
F44A	Big Bay de Noc	31.43	6	P	P	02 12 56.5	-1.1
TRY	Troy	31.57	24	eP	P	02 13 00.1	+1.3
SADO	Sadowa	31.57	16	P	P	02 12 58.8	-0.1
SADO	Sadowa	31.57	16	eP	P	02 12 58.4	-0.5
E39A	Meller	31.64	0	P	P	02 12 58.8	-0.6
E40A	Wakefield	31.71	1	P	P	02 12 59.3	-0.8
E41A	Kento	31.75	2	P	P	02 12 59.2	-1.2
E42A	Champion	31.77	4	P	P	02 12 59.4	-1.2
E43A	Lone Tree Farm	31.78	5	P	P	02 12 59.6	-1.0
E43A	Lone Tree Farm	31.78	5	eP	P	02 12 59.2	-1.4
E36A	McGregor	31.85	357	P	P	02 13 00.2	-1.1
E38A	The Farm, Brul	31.87	359	P	P	02 13 00.7	-0.8
E45A	Wooded Hills,	31.94	7	P	P	02 13 01.3	-0.8
E35A	Pequot Lakes	31.97	355	P	P	02 13 01.5	-0.8
E34A	Wadena	32.00	354	P	P	02 13 01.8	-0.8
R11A	Troy Canyon, C	32.31	322	P	P	02 13 07.0	+1.4
R11A	Troy Canyon, C	32.31	322	eP	P	02 13 07.4	+1.8
D41A	Chassel	32.37	3	P	P	02 13 04.3	-1.5
PLVO	Plevna	32.40	18	eP	P	02 13 06.6	+0.5
NCB	Newcomb	32.42	22	eP	P	02 13 06.7	+0.5
PDAR	Pinedale Array						

27d 2h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SONSECA Array, NORSAR Subarray, NOA, HFS, SENIN, etc.

IDC 27 02:23:27.6-4.6, 15:93N:98.12W, h0km, mb3.9/5, mb1 4.2/7, mb1mx3.6/4, mbtmp3.9/7, ML3.5/2, MS3.7/29, MS1 9.7/29, ms1 9.7/29, Error ellipse: s-maj=83.5km s-min=26.5km az=5.0

MEX 27 02:23:30.6-0.8, 15:95N:98.32W, h16km, 5km, MD4.2

NEIC 27 02:23:30.0-0.0, 15:95N:98.32W, h20km, mb4.4/7.1, MD4.5(MEX), After MEX.

NEIC Felt at Pinotepa Nacional.

ISC 27 02:23:32.1+1.2, 16:07N:0.07-98.22W, h24km, 7km, n32d, s193/309, mb4.4/59, MS3.7/28, Near coast of Guerrero

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Lists numerous stations including PINIG, TLIG, VHO, HUIG, CMIG, UNM, LVIG, MOIG, C33A, H06N1, LPIG, TXAR, JTS, WHTX, 341A, 445A, ABTX, 344A, MNTX, 346A, H5IG, Z40A, MSTX, 121A, 248A, WMOK, X39A, MIAR, X40A, AMTX, X41A, 857A, Z47A, Y45A, W39A, 757A, Y46A, LRAL, Z48A, 251A, W41B, TUC, TUC.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Lists stations like 150A, TUL1, X45A, OXF, 252A, Z49A, Y47A, V39A, 151A, ANMO, ANMO, ANMO, TASL, TASM, X40A, V40A, X46A, Y48A, V41A, Z50A, Z50A, HHAR, V42A, 214A, Y49A, U39A, U40A, X48A, PLAL, U41A, Z52A, U42A, T38A, X49A, T39A, W47A, 154A, W48A, X50B, V46A, Z53A, T41A, T25A, T25A, PBMO, W49A, GOGA, GOGA, S38A, T42A, T42A, Y52A, Y52A, W47A, S39A, S39A, X51A, SWET, WWT, Z54A, S40A, V48A, V48A, T43A, Y53A, S41A, W50A, R38A, V49A, X52A, U47A, SDCO, SDCO, Y54A, S42A, S43A, R39A, WUAZ, WUAZ.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Lists stations like CBKS, X53A, CCM, CCM, R40A, R40A, V50A, T46A, U48A, CPCT, S22A, S22A, Y12C, Y12C, MVCO, R41A, S44A, T47A, R42A, PDMCI, SWSC, S45A, Q38A, U49A, KSCO, V51A, V51A, R43A, W53A, Q39A, TKL, BC3, T48A, Q40A, MONP2, U50A, R44A, IRM, Q41A, V52A, P37A, Q42A, T49A, PV01, R45A, P39B, U51A, V53A, P40A, P40A, PFO, T50A, FRD, S48A, Q44A, SMC0, Q38A, GMR, P41A, Q45A, R47A, P42A, P42A, WCI, WCI, MURC, S49A, ISCO, ISCO, O40A, La Belle, PKCU, LCMT, P44A, O41A, R49A, TUQ, OGNE, Q47A, OTAV, S51A, P45A, CIS, BFSC, N39A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FMP Fort Macarthur, CCUT Cedar City, R50A Paris, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILB Eielson Array, BDFB Brasilia, SKT Skwentna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, ARKVS Borovoye, FINES FINES Array B, etc.

Table with columns for station code, name, time, and status. Includes stations like Takazaki, Ryogami san, Matushiro Arr, etc.

Table with columns for station code, name, time, and status. Includes stations like Mudanjiang, Shenyang, Changchun, etc.

Table with columns for station code, name, time, and status. Includes stations like HHC, HIA, PETK, etc.

PLAI	Plampang	39.17 222	P	P	03 44 55.7 -0.3
SOMM	Songino Array	39.24 321	P	P	03 44 57.2 +0.8
SOMM	comp-Z,30nm,0.4s,baz=132,slow=9.7,SNR=195		P	P	
SOMM	comp-Z,13nm,0.7s,baz=134,slow=4.2,SNR=6.9		P	P	03 46 59.2 +0.4
SOMM	comp-Z,8.6nm,1.1s,baz=90,slow=3.1,SNR=5.4		P	P	03 50 18.3 -0.1
SOMM	comp-Z,1.3nm,0.6s,baz=137,slow=1.5,SNR=5.5		P	P	03 54 09.8 -0.6
SOMM	Songino Array	39.24 321	P	P	03 44 57.2 +0.8
SOMM	comp-Z,3.1nm,0.4s		P	P	03 46 59.2
SONA1	Songino Array	39.24 321	eP	P	03 44 56.2 -0.2
SRAK	Srakaw	39.65 266	P	P	03 44 57.1 -2.9
TWSI	Taliwang, Sumb	39.66 223	P	P	03 44 59.9 -0.1
PBKT	Sadao Pong	39.96 270	eP	P	03 45 04.1 +1.6
PBKT	Sadao Pong	39.96 270	eP	P	03 45 03.8 +1.3
UTTA	Uttaradit	40.08 272	P	P	03 45 04.6 +1.1
NAYO	Nakonayok	40.23 267	P	P	03 45 06.2 +1.5
PHIT	Phitsanulok	40.33 271	P	P	03 45 07.0 +1.5
GTA	Gaotai	40.74 306	P	P	03 45 09.8 +1.0
GTA	comp-Z,130nm,1.4s		P	P	03 46 13.8 +4.9
GTA	comp-Z,420nm,8.3s		P	P	03 47 04.8 +1.0
GTA	comp-Z,430nm,18.9s		P	P	03 50 21.8 -2.7
GTA	comp-Z,230nm,15.3s		P	P	03 50 54.7 -0.1
GTA	comp-Z,350nm,15.5s		P	P	03 45 09.8 +1.0
LAMP	Lampang	40.77 274	P	P	03 45 10.5 +1.4
SUKH	Sukhothai	40.99 272	P	P	03 45 12.3 +1.4
PATY	Pattaya	41.07 265	P	P	03 45 13.6 +2.0
BLJI	Banyuglugur	41.10 228	P	P	03 45 13.5 +1.7
JAGI	Jajag, Banyuw	41.25 226	P	P	03 45 13.1 +0.1
JAGI	Jajag, Banyuw	41.25 226	eP	P	03 45 12.1 -0.9
YAK	Yakutsk	41.34 351	eP	P	03 45 12.5 -0.6
YAK	Yakutsk	41.34 351	eP	P	03 45 10.9 -2.1
YAK	comp-Z,460nm,0.9s		P	P	03 46 05.1 -8.2
YAK	comp-N,89nm,1.0s		P	P	03 46 53.6
YAK	comp-E,15nm,0.8s		P	P	03 47 04.2
YAK	comp-N,232nm,1.3s		P	P	03 51 01.1 -3.2
YAK	comp-E,211nm,1.3s		P	P	03 54 39.1
CMMT	Chiang Mai	41.34 274	P	P	03 45 14.6 +0.8
CHTO	Chiang Mai	41.35 274	eP	P	03 45 14.8 +1.0
CHTO	Chiang Mai	41.35 274	P	P	03 45 14.5 +0.7
CHTO	Chiang Mai	41.35 274	P	P	03 45 14.7 +0.9
CM01	Chiang Mai Arr	41.41 274	eP	P	03 45 14.3 0.0
CM01	Chiang Mai Arr	41.41 274	eP	P	03 47 07.0 +0.8
CM31	Chiang Mai Arr	41.42 274	eP	P	03 45 16.3 +1.9
CMAR	Chiang Mai Arr	41.42 274	eP	P	03 45 15.8 +1.4
CMAR	Chiang Mai Arr	41.42 274	eP	P	03 47 07.0 +0.8
CMAR	Chiang Mai Arr	41.42 274	eP	P	03 45 15.8 +1.4
CMAR	Chiang Mai Arr	41.42 274	eP	P	03 47 07.0
CTAO	Charters Tower	41.66 175	eP	P	03 45 16.3 +0.1
CTAO	Charters Tower	41.66 175	eP	P	03 45 16.3 +0.1
SEY	Seymchan	41.70 60eP	P	P	03 45 16.8 +0.9
BOD	Bodaibo	41.77 337	iP	P	03 45 16.4 -0.2
BOD	comp-Z,70nm,1.7s		P	P	03 45 21.4 +2.2
UMPA	Umpang Tak	42.01 270	P	P	03 45 21.4 +2.2
WRAB	Tennant Creek	42.24 192	eP	P	03 45 20.7 -0.2
WRAB	Tennant Creek	42.24 192	eP	P	03 50 30.7 +0.2
WRAB	Tennant Creek	42.24 192	eP	P	03 51 16.8 -1.7
WRAB	Tennant Creek	42.24 192	eP	P	03 45 20.5 -0.3
ZAK	Zakamensk	42.25 323	eP	P	03 45 21.2 +0.5
ZAK	Zakamensk	42.25 323	eP	P	03 47 07.5
ZAK	Zakamensk	42.25 323	eP	P	03 45 19.2 -1.7
WB2	Warramunga Arr	42.25 192	eP	P	03 51 16.9 -1.8
WB2	Warramunga Arr	42.25 192	eP	P	03 45 20.8 -0.2
WRA	comp-Z,146nm,0.7s,baz=14,slow=8.7,SNR=254		P	P	03 47 07.1 +1.1
WRA	comp-Z,19nm,1.0s,baz=15,slow=9.9,SNR=4.6		P	P	03 50 31.6 +1.0
WRA	comp-Z,23nm,0.9s,baz=12,slow=4.3,SNR=23		P	P	03 51 16.4 -2.3
WRA	comp-Z,15nm,1.0s,baz=14,slow=14,SNR=20		P	P	03 51 16.4 -2.3
WRA	comp-Z,1.6nm,0.7s,baz=325,slow=1.6,SNR=5.3		P	P	03 54 12.6 -0.9
SRDT	SRDT	42.26 268	P	P	03 45 22.7 +1.5
NGJI	Ngawi	42.34 230	P	P	03 45 24.5 +2.8
IRK	Irkutsk	42.62 325	eP	P	03 45 24.1 +0.6
IRK	Talaya	42.67 324	eP	P	03 45 24.9 +0.9
IRK	Talaya	42.67 324	eP	P	03 47 10.1 +0.3
IRK	Talaya	42.67 324	eP	P	03 50 31.4 -0.4
IRK	Talaya	42.67 324	eP	P	03 45 25.6 +1.6
IRK	Talaya	42.67 324	eP	P	03 45 25.0 +1.0
IRK	Talaya	42.67 324	eP	P	03 47 10.2
IRK	Talaya	42.67 324	eP	P	03 51 24.9 +0.7
IRK	Talaya	42.67 324	eP	P	03 54 49.6 -2.0
MYKOM	Kota Tinggi	42.94 248	eP	P	03 45 27.0 +0.4
MYKOM	Kota Tinggi	42.94 248	eP	P	03 45 29.0 +2.4
PCJI	Pacitan	43.11 230	P	P	03 45 29.7 +1.8
SKLT	Songkhla	43.36 257	P	P	03 45 31.8 +1.9
UGM	Wanagama	43.39 231	eP	P	03 45 30.1 -0.1
TRTT	Trang	43.94 258	P	P	03 45 36.4 +1.9
KULM	Kulim	44.12 255	eP	P	03 45 37.9 +1.9
KULM	Kulim	44.12 255	eP	P	03 45 38.0 +2.0
MOY	Mondy	44.12 323	eP	P	03 45 36.5 +0.9
MOY	comp-Z,180nm,1.8s		P	P	03 45 37.6 +1.4
IPM	Ipo	44.14 253	eP	P	03 45 37.6 +1.4
KPJI	Karang Pucung	44.16 233	P	P	03 45 36.4 +0.2

ATKA	Atka Island	44.78 36	eP	P	03 45 40.6 0.0
PKDT	Phuket	45.15 259	P	P	03 45 45.9 +1.8
DBJI	Drama	45.31 236	P	P	03 45 46.9 +1.6
SBJI	Serang	45.52 237	P	P	03 45 47.9 +1.0
AS01	Alice Springs	45.95 192	eP	P	03 45 48.7 -1.4
AS01	Alice Springs	45.95 192	eP	P	03 52 10.0 -1.8
AS31	Alice Springs	45.96 192	eP	P	03 45 49.2 -0.9
AS31	Alice Springs	45.96 192	eP	P	03 52 10.5 -1.5
ASAR	Asar	45.99 148	eP	P	03 45 49.5 -0.6
ASAR	comp-Z,21nm,0.7s,baz=9.9,slow=8.0,SNR=148		P	P	03 50 46.8 +1.1
ASAR	comp-Z,6.6nm,0.8s,baz=6.9,slow=4.6,SNR=7.6		P	P	03 52 10.1 -1.9
MDSI	Maura Dua	46.08 240	P	P	03 45 50.9 -0.4
BKNI	Bangkinang	46.10 248	P	P	03 45 53.4 +2.0
BKNI	Bangkinang	46.10 248	P	P	03 45 53.5 +2.0
GKJI	Gibinong	46.16 237	P	P	03 45 50.5 -1.4
KASI	Kota Agung	46.44 239	P	P	03 45 54.3 +0.3
PSI	Prapat	46.77 253	eP	P	03 45 57.9 +1.2
PSI	Prapat	46.77 253	eP	P	03 45 57.9 +1.2
SHL	Shillong	46.77 285	eP	P	03 45 57.0 +0.2
SHL	Shillong	46.77 285	eP	P	03 45 56.5 -0.3
SHL	Shillong	46.77 285	eP	P	03 51 19.5 -1.0
SHL	Shillong	46.77 285	eP	P	03 45 57.0 +0.2
MASI	Maura Aman, Be	46.91 243	P	P	03 45 58.5 +0.8
KRJI	Kerinci	46.99 245	P	P	03 46 01.6 +3.2
LSA	Lhasa	47.09 291	eP	P	03 46 01.5 +2.0
LSA	Lhasa	47.09 291	eP	P	03 46 01.0 +1.5
LSA	Lhasa	47.09 291	eP	P	03 46 01.3 +1.9
LSA	Lhasa	47.09 291	eP	P	03 46 01.0 +1.5
MNSI	Mandailing Nat	47.13 250	P	P	03 46 00.3 +0.9
BRDH	Bariadaha	47.38 281	P	P	03 46 02.5 +1.3
EIDS	Eidsvold	47.44 170	eP	P	03 46 00.7 -0.8
KCSI	Kotacane, Aceh	47.47 254	P	P	03 46 01.2 -0.8
LHMI	Lhok Sumawe	47.48 257	eP	P	03 46 04.7 +2.6
LHMI	Lhok Sumawe	47.48 257	eP	P	03 46 04.6 +2.6
NIKH	Nikolski High	48.08 37	eP	P	03 46 06.3 +0.3
TPTI	Marble Bar	48.11 254	P	P	03 46 06.6 -0.3
MWBA	Marble Bar	48.29 210	eP	P	03 46 08.0 0.0
MLSI	Meulaboh, Aceh	48.38 256	P	P	03 46 00.6 -8.3
SISI	Saibi	48.61 248	P	P	03 46 11.3 +0.6
GSI	Gunungsitoli	48.65 252	eP	P	03 46 11.1 +0.1
SPIA	Saint Paul Isl	49.05 32	eP	P	03 46 15.0 +1.7
DZM	Mont Dzumac	49.14 151	P	P	03 46 14.2 -0.4
DZM	Mont Dzumac	49.14 151	P	P	03 46 14.2 -0.4
UNV	Unalaska Valle	49.70 37	eP	P	03 46 18.7 +0.4
AKUT	Akutan	50.20 37	eP	P	03 46 22.8 +0.8
AKUT	Akutan	50.20 37	eP	P	03 53 11.4 +1.0
TAPN	Taplejung	50.30 288	eP	P	03 46 24.6 -1.0
WMQ	Urumqi	50.46 309	P	P	03 46 25.5 +1.3
WMQ	Urumqi	50.46 309	P	P	03 47 30.8 +3.7
WMQ	Urumqi	50.46 309	P	P	03 47 38.3 +0.6
WMQ	Urumqi	50.46 309	P	P	03 47 57.5 -2.8
WMQ	Urumqi	50.46 309	P	P	03 53 16.0 +1.5
WMQ	Urumqi	50.46 309	P	P	03 55 08.9 +2.6
WMQ	Urumqi	50.46 309	P	P	03 55 42.5 -0.8
WMQ	comp-Z,320nm,1.3s		P	P	03 46 14.2 -0.4
WMQ	comp-Z,1.1um,3.6s		P	P	03 46 18.7 +0.4
WMQ	comp-Z,430nm,17.1s		P	P	03 46 22.8 +0.8
WMQ	comp-Z,620nm,22.1s		P	P	03 53 11.4 +1.0
WMQ	comp-Z,600nm,19.9s		P	P	03 46 25.5 +1.3
TIXI	Tiksi	50.63 354	eP	P	03 46 24.9 0.0
TIXI	Tiksi	50.63 354	eP	P	03 46 24.7 -0.2
ODAN	Odare	50.63 288	eP	P	03 46 26.9 +0.9
RAMN	Ramite	51.32 288	eP	P	03 46 31.8 +0.7
JIRN	Jiri	51.60 289	eP	P	03 46 34.5 +1.2
FALS	False Pass	51.74 36	eP	P	03 46 33.7 +0.4
GUN	Gumba	51.85 289	eP	P	03 46 36.1 +1.0
KKK	Kakan	52.39 289	eP	P	03 46 39.5 +0.6
ARMA	Armidale	52.48 171	eP	P	03 46 39.5 +0.3
DMN	Daman	52.56 289	eP	P	03 46 40.9 +0.7
ZSN	Zaisan	52.91 314	iP	P	03 46 43.4 +1.3
GKN	Gorkha	52.93 289	eP	P	03 47 44.0 +0.6
GKN	Gorkha	52.93 289	eP	P	03 47 43.5 +0.8
STKA	Stevens Creek	53.29 182	P	P	03 46 44.6 -0.3
STKA	Stevens Creek	53.29 182	P	P	03 53 51.1 -1.7
STKA	Stevens Creek	53.29 182	P	P	03 46 44.6 -0.3
STKA	Stevens Creek	53.29 182	P	P	03 53 51.1 -1.7
SDPT	Sand Point	53.50 36	eP	P	03 46 46.4 +0.3
DANN	Dangsing	53.65 290	eP	P	03 46 49.4 +1.2
KOLN	Kolanda	53.87 289	eP	P	03 46 50.3 +0.7
ZALO	Zalesovo Array	54.11 322	eP	P	03 46 51.0 +0.3
ZALV	Zalesovo Beam	54.11 322	eP	P	03 46 50.9 +0.2
ZALV	Zalesovo Beam	54.11 322	eP	P	03 46 50.9 -0.3
ZALV	Zalesovo Beam	54.11 322	eP	P	03 46 50.1 -0.5
ZALV	Zalesovo Beam	54.11 322	eP	P	03 47 50.9 -0.3
ZALV	Zalesovo Beam	54.11 322	eP	P	03 46 50.7 -0.2
PYUN	Piuthan	54.36 290	eP	P	03 46 53.9 +0.8
ANM	Nome	54.48 25	eP	P	03 46 52.7 -0.4
ANM	Nome	54.48 25	eP	P	03 46 52.7 -0.4
ANM	Nome	54.48 25	eP	P	03 46 53.6 -0.3
OPA	Opana	54.49 78	eP	P	03 46 53.6 -0.3
OPA	Opana	54.49 78	eP	P	03 46 53.6 -0.3
OPA	Opana	54.49 78	eP	P	03 46 53.6 -0.3
KIP	Kipapa	54.54 79	eP	P	03 46 55.6 +1.4
KIP	Kipapa	54.54 79	eP	P	03 46 55.9 +1.7

KIP	Kipapa	54.54 79	eP	P	03 46 55.6 +1.4
KIP	Kipapa	54.54 79	eP	P	03 46 55.9 +1.7
MK01	Makanchi Array	54.57 313	eP	P	03 46 54.2 +0.1
MK31	Makanchi Array	54.58 313	eP	P	03 46 55.0 +0.8
MK31	Makanchi Array	54.58 313	eP	P	03 46 54.6 +0.4
MK31	Makanchi Array	54.58 313	eP	P	03 46 55.0 +0.8
MKAR	Makanchi Array	54.58 313	P	P	03 46 55.0 +0.9
MKAR	Makanchi Array	54			

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like BPAW, RC01, BTLS, etc.

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like L02D, JCC, MSFE, etc.

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27d 3h

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like GEC2, GERES, G3A, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like MOTA, N38A, W40A, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like 247A, TZTN, LRAL, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like NIE Niedzica, LOT Lotru, KECS Kecovo, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like GUMO Guam, INK Inuvik, CABB La Chapelle, etc.

CSEM 27 04:04:03.1, 37.89°N, 26.98°E, h5km, ML1.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GCAM G?zelcam!?, AYDB Zeytinkoy-Aydi, etc.

ISCJB 27 04:12:22.0, 0.2, 1.03S, 0.04, 68.6W, 0.1, h149km, 9km, mb3.7, Error ellipse: s-maj=18.3km s-min=6.7km az=1.5

GUC 27 04:12:22.9, 0.7, 2.103S, 68.69W, h140km, 4km, ML3.7

IDC 27 04:12:24.6, 3.6, 2.108S, 68.12W, h136km, 37km, mb3.5/2, mb1 3.5/5, mb1mx3.2/4.1, mbtmp4.0/5, MS3.2/1, Ms1 3.2/1, ms1mx2.5/2.8, Error ellipse: s-maj=38.1km s-min=32.4km az=89.0

ISC 27 04:12:22.6, 0.9, 2.103S, 0.05, 68.6W, 0.1, h137km, 10km, n17, r135/27, mb3.9/3, 6C-3D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB01 IPOC Station P, PB09 IPOC Station P, etc.

IDC 27 04:12:31.7, 1.8, 16.68S, 178.31W, h0km, mb4.1/4, mb1 4.4/4, mb1mx3.8/4.2, mbtmp4.1/4, Error ellipse: s-maj=161.7km s-min=31.7km az=156.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 27 04:24:09.1, 8.6, 18.15S, 170.23E, h224km, 51km, mb4.0/3, mb1 4.1/4, mb1mx3.3/4.3, mbtmp4.5/4, Error ellipse: s-maj=102.5km s-min=30.9km az=134.0, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Torodi Arr, etc.

IDC 27 04:52:56.1, 7.3, 5.85S, 147.15E, h139km, 77km, mb3.3/2, mb1 3.7/4, mb1mx3.2/3.9, mbtmp3.9/4, Error ellipse: s-maj=102.5km s-min=30.9km az=134.0, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, etc.

MEX 27 05:09:17.8, 0.7, 16.80N, 100.12W, h5km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AC2P Acapulco, ACX Acapulco, etc.

ARIG eS Sn 05 10 00.3 -4.8
ZIIG Zihuatanejo 1.52 302 iP Sn 05 09 42.5 -3.1
ZIIG eP Sn 05 10 01.2 -4.5

NEIC 27 05:25:10.7-0.0,37:75S:179:97W,h12km,ML4.0(WEL),
After WEL
WEL 27 05:25:10.3,38'S:18'0W:;h33km,ML4.29,East of

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like WMGZ, WMGZ, WMGZ, etc.

ISCJB 27 05:32:56.2,1.0,36:86N:0:05:141:11'E:0:09,h51km,5km,
mb3.7/4,MS3.7/1,Error ellipse: s-maj=12.7km
s-min=17.7km az=14.8

JMA 27 05:32:57.0,0.1,36:88N:141:06E,h50km,1km,MS3
JMA Felt J1
ISC 27 05:32:56.6:1.7,36:86N:0:06:141:2E:0:1,h42km,11km,
n22,+e110/23,mb3.7/4,Near east coast of eastern

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like ONAJ, ONAJ, ONAJ, etc.

WEL 27 05:34:59.0,38'S:9:18'0W:;h33km,ML4.4/8
NEIC 27 05:35:00.4,0.0,37:82S:179:80W,h33km,mb4.4/5,
ML4.3(WEL),After WEL

IDC 27 05:35:00.8,4.0,37:06S:179:53E,h0km,mb4.3/2,
mb1.4/5,mb1mx3.4/69,mbtmp4.2/3,ML3.7/1,MS3.4/1,
Ms1.3/4.1,ms1mx2.5/38,Error ellipse: s-maj=93.4km
s-min=37.1km az=135.0

ISC 27 05:34:56.3:1.9,38:08S:0:04:179:87W:0.06,h2km,10km,
n173,+e291/198,mb4.4/8,East of North Island

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like WMGZ, WMGZ, WMGZ, etc.

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like PNHZ, PNHZ, PNHZ, etc.

ISCJB 27 06:10:49.8:0.2,24:19S:0:02:67:13W:0:03,h178km,2km,
mb4.3/10,Error ellipse: s-maj=4.7km s-min=2.7km
az=166.0

NEIC 27 06:10:49.8:0.2,24:19S:66:97W,h157km,3km,mb4.4/129,
Error ellipse: s-maj=5.3km s-min=3.5km az=80.0
SJA 27 06:10:50.5:0.2,24:18S:67:17W,h186km,8km,ML3.4,
MW4.6

GUC 27 06:10:51.9:0.6,24:17S:67:42W,h189km,14km,ML3.9
IDC 27 06:10:51.4:1.8,24:11S:66:97W,h172km,15km,mb3.9/10,
mb1.4/1.15,mb1mx3.9/43,mbtmp4.4/15,MS3.1/2,
Ms1.3/1.2,ms1mx2.6/39,mbtmp4.4/15,MS3.1/2,
s-min=12.6km az=70.0

ISC 27 06:10:50.6:0.7,24:23S:0:04:67:17W:0.04,h168km,6km,
n477,+e109/517,mb4.4/130,10C-1ID,Chile-Argentina
border region

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like SLA, SLA, SLA, etc.

NIED 27 05:32:00,36.90N,141:10E,h50km,Mw3.7 Best double
couple: M4.44000x1014 NP1:3s1.00000,338.00000,
lambda=175.00000 NP2:2s17.00000,387.00000,
lambda=52.00000

IDC 27 05:32:48.8:2.2,37:00N:141:68E,h0km,mb3.7/4,
mb1.3/8.6,mb1mx3.4/69,mbtmp3.7/6,ML3.3/2,MS2.8/3,
Ms1.2/8.3,ms1mx2.4/60,Error ellipse: s-maj=53.8km
s-min=27.3km az=60.0

27d 6h

Table with columns for station name, frequency, and signal strength. Includes stations like YJA Yavi, PB06 IPOC Station P, PB14 IPOC Station P, AHML Horco Molle, PB09 IPOC Station P, PB05 IPOC Station P, PB10 IPOC Station P, PB03 IPOC Station P, PB04 IPOC Station P, PB07 IPOC Station P, PB01 IPOC Station P, CPCH Copiapo, GO03 Copiap, GO03 Copiap, GO03 Copiap, GO03 Copiap, CYA Choya, VCA Vinchina, VCA IPOC Station P, PB11 IPOC Station P, AGUA GUANDACOL, VACH Vallenar, VACH Minye Minye, MNMC Minye Minye, LCO Las Campanas, LCO Rodeo, AROD Rodeo, ARCD Rodeo, GO04 Tololo Observa, GO04 Tanti, TCA Cerro Valdivia, RTCV Leonicito, RTLS La Paz, LPAZ La Paz, LPAZ La Paz, LPAZ Cantantal, ACAN Cantantal, ACAN Uspallata, AUSP San Martin, ARCO CERRO ARCO, MIRA Agrelo, CPUP Villa Florida, CPUP Villa Florida, PEL Peldiue, GIOV San Ignacio, GIOV Hualae0, TRQA Tornquist, SAML Samuel, GO06 Curarrehue, PLCA Paso Flores, PLCA Paso Flores, PLCA Sao Paulo, SPB Sao Paulo, BDFB Brasilia, BDFB Brasilia, PTGA Pitinga, PTGA Pitinga, RUSC La Rusia, RUSC La Rusia, HELC Santa Helena, PAYG Puerto Ayora, RCBR Riachuelo, GRGR Grenville, PMSA Palmer Station, OBIP Obispo Ponce, 0612 Ochoppi, TLIG Tiapa, VNA3 Neumayer Olymp, VNA1 Neumayer-Stat, ZAI8 Zacatecas, 251A Midway, Z55A Blythe, 152A Waverly Hall, 151A Opelika, 249A Camden, Z54A Sparta, SNA3 Sanae, SNA3 Sanae, SNA3 Sanae, SNA3 Sanae, SNA3 Sanae, SNA3 Monticello.

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Table with columns for station name, frequency, and signal strength. Includes stations like 150A Eclectic, GOGA Godfrey, Z52A Williamson, 149A Jones, Y54A Tignall, JSC Jenkinsville, Y53A Monroe, Z50A Ashland, Z50A Ashland, Y52A Lilburn, Y52A Lilburn, LRAL Lakeview Retre, LRAL Lakeview Retre, Z49A Columbiana, 245A Little AP, Sta, Y51A Rockmart, 244A Avery, Jackson, 342A Flagot Creek P, X53A Estanolee, Z47A Carrollton, Z48A Northport, KMSC Kings Mountain, 341A Kurthwood, 341A Kurthwood, X52A Dalmagne, 833A Chaparral WMA, 833A Chaparral WMA, X51A Calhoun, X51A Calhoun, 242A Grayson, Y48A Jasper, X50B Fort Payne, W53A Cullowhee, Y47A UPCARC, Winfie, W52A Murphy, 241A Mo Tey, Goldon, X49A Woodville, X48A Hartselle, X48A Hartselle, W51A Cleveland, V53A Saluda, V53A Saluda, W50A Signal Mountai, W50A Signal Mountai, CPCT Cooper Cave, TKL Tuckaleechee C, X47A Russellville, X42A Sevierville, V52A Sevierville, SWET Sewanee, W49A Belvidere, 140A Gam and Jess, W48A Pulaski, V50A Pikeville, U53A Fall Branch, X45A UM Field Stati, OXF Oxford, W47A Westpoint, V49A McMinnville, Z40A Long Farm, Mag, U50A Jamestown, Y41A Eagletree Beard, JCT Junction City, JCT Junction City, V47A Nunnely, T51A Gray, V46A Holladay, U49A Red Boiling Sp, WHTX Lake Whitney, U40A Okolona, Y40A Cassie Pea, Po, WVT Waverly, WVT Waverly, T50A Nancy, U47A Clarksville, T49A Edmonton, T49A Edmonton, U46A Springville, MIAR Mount Ida, MIAR Mount Ida, U45A Rockin P Farm, T48A Bowling Green, S50A Richmond, W41B Gary Mavity, V.

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Table with columns for station name, frequency, and signal strength. Includes stations like T47A Sharon Grove, T47A Sharon Grove, TXAR Lajitas Arroy, TX31 Lajitas Ar. Si, X39A Fountain Ranch, WHAR Waverly Hollow, T46A Princeton, S48A Wiedeman Farm, R51A Hillsboro, V41A Mountainview, S47A Hartford, W39A Magazine, W39A Magazine, U42A Reviden, R49A Hillsville, V40A Witts Springs, ABTX Northridge Hawle, PBMO Poplar Bluff, T44A Benton, S46A Don Dixon Farm, U41A Viola, WCI Wyandotte Cave, Q51A Peebles, R48A Northridge Ran, T43A Greenville, V39A Petreque, R47A Wooly Knot Far, U40A Yellville, T42A Van Buren, Q49A Aurora, S43A Fulton Ridge, Q48A North Vernon, T41A Mountain View, U39A Green Forest, R44A Watlonsville, P49A Miami Univ. Ec, S42A Caledonia, P48A Milroy, BLO Bloomington, S41A Jilco Farms, T39A Clever, P47A Martinsville, WMOK Wichita Mounta, WMOK Signal Mounta, N54A Moraine State, N54A Moraine State, CCM Cathedral Cave, CCM Cathedral Cave, S40A Lebanon, QSPA South Pole Qui, QSPA South Pole Qui, R42A Luebering, O49A Clinton, T38A Diamond, R41A Rosebud, O48A Farmland, S39A Bolivar, S39A Bolivar, M54A Oil Creek Stat, S38A Stockton, R40A Maddies Statio, R40A Maddies Statio, Q42A Golden Eagle, O47A Sheridan, MNTX Cornudas Mount, MNTX Cornudas Mount, Q41A Truxton, R39A Chumby, Stover, O45A Potomac, R38A Fenwick Farm, MSTX Muleshoe, MSTX Muleshoe, O44A Mansfield, Q40A Laux Farm, Aux, AMTX Amarillo, Q39A Willow Grove F, P40A Paris, Q38A Cooks Store, C, P39B Salisbury, L48A N Adams, L49A Milan, Q37A Longrow Farm, N43A Stutzman Famil, DBIC Dimbrock, O40A La Belle.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like N42A Yates City, P38A Dawn, N41A Harden Midland, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WUAZ Wupatki, H36A Jessiland, ECSD EROS Data Cent, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MOOW Moose Ponds, FXWY Fox Creek, IMW Indian Meadow, etc.

MAN 27 06:30:00.6, 7.73N, 126.54E, h7km, mb4.7, ML3.6, MS3.5, 1D, Mindanao. Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

DDA 27 07:36:02.9, 37.74N, 32.37E, h12km, M12.5. CSEM 27 07:36:02.9, 0.1, 37.75N, 32.41E, h10km, ML1.8, Error ellipse: s-maj=3.2km s-min=1.5km az=74.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KMER Konya-Meram, KMER Konya-Meram, etc.

27d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ERMK Ermenek, KIZT Kizilcal, BERE Bereket-Mersin, etc.

IDC 27 07:36:37.8-5.2, 36.18N-72.59E, h0km, mb3.7/2, mb1 3.8/5, mb1mx3.4/6.1, mbtmp3.8/5, ML3.5/3, MS2.9/1, Ms1 2.9/1, ms1mx2.1/1.1, Error ellipse: s-maj=93.9km s-min=32.8km az=141.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK Ala-Archa, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

ISK 27 07:37:03.9, 39.68N-29.72E, h2km, ML2.1/3

ISCJB 27 07:37:04.9-0.7, 39.63N-0.06-29.76E-0.06, h6km, Error ellipse: s-maj=10.3km s-min=4.0km az=141.4

CSEM 27 07:37:04.9-0.2, 39.65N-29.76E, h2km, ML2.1, Error ellipse: s-maj=6.8km s-min=3.2km az=143.0

DDA 27 07:37:05.1, 39.53N-29.87E, h7km, ML2.5

ISC 27 07:37:05.4-1.0, 39.64N-0.04-29.76E-0.03, h6km, m20, c075/27, Turkey

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

KRNET 27 07:54:19.4-0.1, 39.06N-70.76E, mb3.6

NNC 27 07:54:22.7-2.5, 38.91N-70.94E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=18.3km s-min=14.8km az=30.0

ISC 27 07:54:25.3-2.1, 39.47N-0.06-71.02E-0.05, h1km, m13km, m25, c245/38, 33C-5D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DRK Karamyk, BTK Batken, SFK Sufi-Kurgan, etc.

AML Almayashu, AML Almayashu, AML Almayashu

KK31 Karatay Array, KK31 Karatay Array

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ERK Ermenek, KIZT Kizilcal, BERE Bereket-Mersin, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KZA baz=47, KBK Karagaybulak, USP Openovka, etc.

IDC 27 07:55:39.6-0.9, 16.05N-120.08E, h0km, mb3.8/8, mb1 4.0/8, mb1mx3.7/5.5, mbtmp3.8/8, MS3.2/9, Ms1 3.2/9, ms1mx2.8/5.4, Error ellipse: s-maj=49.0km s-min=17.3km az=72.0

MAN 27 07:55:42.4, 16.34N-120.19E, h9km, mb5.1, ML4.0, MS4.1

ISC 27 07:55:43.5-0.6, 16.32N-0.04-120.08E-0.07, h27km, 5km, mb3.7/8, MS3.1/7, Error ellipse: s-maj=10.7km s-min=6.1km az=173.0

ISC 27 07:55:43.6-0.2, 16.32N-0.03-120.13E-0.06, h20km, 5km, n24, c157/24, mb3.8/8, MS3.1/7, 1C-1D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOLP Bolinao, BOPP Bolinao, Santa Cruz, etc.

GGP Guinayangan, DAV Davao City (W), CMAR Chiang Mai Arr, etc.

KSRS Korea Arra, GUMO Guam, SONMI Songino Array, etc.

SONMI Songino Array, WRA Warrunganga Arr, ASAR Alice Springs, etc.

KURBB Kurchatov Arra, AKTO Aktyubinsk, ARCES ARCES Array B, etc.

ILAR Eileston Array, SPITS Spitsbergen Ar, NOA Norsar Array B, etc.

DJA 27 08:17:01.2-0.4, 8.54S-11.6E, h13km, 3km, M3.2/6, ML3.2/6, Bali region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DNP Denpasar, SRBI Singaraja, IGBI Denpasar, etc.

MAN 27 08:30:15.3, 9.52N-126.17E, h56km, mb4.7, ML3.6, MS3.5, 3C-2D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SCPH Surigao, SCBU Butuan, BIUP Bislig, etc.

DDA 27 08:39:50.8, 37.19N-28.07E, h7km, ML2.4, Suspected Mining explosion

CSEM 27 08:39:51.0-0.2, 37.17N-28.15E, h2km, ML2.1, Error ellipse: s-maj=5.3km s-min=3.5km az=35.0, Suspected Mining explosion

ISK 27 08:39:50.4, 37.18N-28.16E, h4km, ML2.1/0, Turkey

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

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

KRSZ 27 08:58:19.6-1.8, 49.05N-156.49E, h7km, 32km, ML3.7, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

UPP 27 09:00:48.6-3.4, 64.46N-31.75E, h0km, ML1.6

IDC 27 09:00:53.8-3.2, 64.73N-31.68E, h0km, mb1 3.0/4, mb1mx2.8/7.1, mbtmp2.9/4, ML2.3/4, Error ellipse: s-maj=45.1km s-min=11.9km az=100.0

CSEM 27 09:00:54.5-0.8, 64.72N-30.50E, h0km, ML2.0, Error ellipse: s-maj=17.4km s-min=6.6km az=100.0, Mining explosion

ISCJB 27 09:00:54.1-0.8, 64.77N-30.30E-0.1, h0km, Error ellipse: s-maj=7.3km s-min=3.5km az=15.3

HEL 27 09:00:55.1-0.2, 64.77N-30.62E, h0km, ML2.0, Explosion

NAO 27 09:00:57.2-1.8, 64.80N-30.36E, ML2.3

ISC 27 09:00:56.4-1.1, 64.83N-0.03-30.38E-0.07, h0km, m52, c135/69, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KU6 Riekki, KU6 Riekki, KU6 Riekki, etc.

OUF Merijarvi, OUF Rovaniemi, RNF Rovaniemi, etc.

SUF Sumiainen, VRF Vario, VRF Vario, etc.

VRF Vario, VRF Vario, VRF Vario, etc.

SGF Sodankyl, KALU Kalix, KALU Kalix, etc.

KAF Kangasniemi, KAF Kangasniemi, KAF Kangasniemi, etc.

PAJU Pajala, PAJU Pajala, PAJU Pajala, etc.

SJUJ Sjujmark, ERTU Ertisaerv, ERTU Ertisaerv, etc.

ERTU Ertisaerv, ERTU Ertisaerv, ERTU Ertisaerv, etc.

ERTU Ertisaerv, BURU Burvik, BURU Burvik, etc.

FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, etc.

FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, etc.

FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, etc.

FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, etc.

FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, etc.

FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, etc.

FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, etc.

FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, etc.

ODEU Stanfors, ODEU Stanfors, ODEU Stanfors, etc.

UMAU Umeaa, VHF Hetta, VHF Virojoki, etc.

LANU Lannavaara, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

ARAO ARCESS Array S, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

ARAO ARCESS Array S, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

ARCES ARCESS Array B, ARCES ARCESS Array B, ARCES ARCESS Array B, etc.

Table with columns: SALU, NIKU, NIKU, HFS, HFS, NRAO. Includes station names, coordinates, and times.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like Dolores, Conner, Bolinao, Cauayan, Santa Cruz.

MAN 27 09:09:40.5, 17:51N, 120:25E, h31km, mb4.7, ML3.6, M53.5, Luzon

Main table for MAN station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations and their associated data.

Main table for IMHD station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations and their associated data.

KOLA 27 09:20:28.9, 67:65N, 33:97E, M1.6, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RA-5, 224p + CD-RCM, 2014)

ISCJTB 27 09:20:29.6, 1.1, 67:57N, 0.04, 33:4E, 0.2, h0km, Error ellipse: s-maj=9.1km s-min=5.6km az=174.7

CSEM 27 09:20:30.8, 0.7, 67:54N, 33:44E, h1km, ML2.3, Error ellipse: s-maj=13.8km s-min=7.2km az=88.0, Mining explosion.

HEL 27 09:20:30.1, 0.4, 67:66N, 33:82E, h0km, ML2.3, Explosion NAO 27 09:20:31.9, 1.8, 67:62N, 33:33E, ML2.6

Main table for VRF station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations and their associated data.

Main table for ARAO station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations and their associated data.

KRSC 27 09:23:46.5, 2.2, 55:02N, 165:17E, h49km, 42km, ML4.0, Komondorsky Islands region

Main table for KRSC station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations and their associated data.

WEL 27 09:38:23.6, 38' S, 111° 17' 9W, h33km, ML4.2/24

Main table for WEL station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations and their associated data.

Table with columns: HAZ, Te, 2.02, 272, P, Pn, 09 38 59.2, +1.1, etc. Lists various locations and their associated data points.

Table with columns: SCRC, Sand Creek, 3.31, 71, P, Pn, 09 40 27.7, -1.0, etc. Lists various locations and their associated data points.

Table with columns: ANAF, Samos, 1.23, 344, S, Sn, 09 45 19.1, -0.7, etc. Lists various locations and their associated data points.

ISCJB 27 09:39:37.0, 0.4, 63.06N, 0.02, -150:94W, 0.07, h128km, 3km, mb3.0, Error ellipse: s-maj=5.0km

ISCJB 27 09:44:37.4, 0.3, 36.45N, 0.03, 27:28E, 0.02, h125km, 4km, Error ellipse: s-maj=4.4km, s-min=2.6km, az=171.1

ISCJB 27 09:44:38.1, 0.6, 36.51N, 0.27, 25E, h117km, 2km, ML3.4, Error ellipse: s-maj=4.6km, s-min=2.7km, az=170.0

ATH 27 09:44:38.1, 0.6, 36.51N, 0.27, 25E, h117km, 2km, ML3.4, Error ellipse: s-maj=4.6km, s-min=2.7km, az=170.0

ATH 27 09:44:38.1, 0.6, 36.51N, 0.27, 25E, h117km, 2km, ML3.4, Error ellipse: s-maj=4.6km, s-min=2.7km, az=170.0

ATH 27 09:44:38.1, 0.6, 36.51N, 0.27, 25E, h117km, 2km, ML3.4, Error ellipse: s-maj=4.6km, s-min=2.7km, az=170.0

ISCJB 27 09:39:38.2, 0.0, 63.030N, 0.003, -151:08W, 0.04, h122km, 6km, n91, 1939/105, mb3.3/3, Central Alaska

ISCJB 27 09:44:47.9, 35.59N, 27.48E, h28km, 16km, Md4.0, Md4.0, Error ellipse: s-maj=3.6km, s-min=0.7km, az=358.0

ISCJB 27 09:44:37.6, 1.1, 36.53N, 0.04, 27:27E, 0.04, h117km, 7km, n215, 1970/267, Dodecanese Islands

Table with columns: Code, Station Name, Δ, Az, Phase, ID, Time, Res, etc. Lists station names and their associated data points.

Table with columns: Code, Station Name, Δ, Az, Phase, ID, Time, Res, etc. Lists station names and their associated data points.

Table with columns: Code, Station Name, Δ, Az, Phase, ID, Time, Res, etc. Lists station names and their associated data points.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like MERS, HNTI, OFRI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like AFI, RAO, H1S12, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like ERPC, WESC, YUH, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like BNDI, FAKI, RKPI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like ASAR, MKAR, IDC 27 10:13:21.9, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like AFI, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like WEL 27 10:24:28.9, WMGZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like MOS 27 10:31:56.1, HVS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like MEX 27 11:00:58.4, PNIG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like HUIG, TLIG, PCIG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like MOS 27 11:15:36.9, JMA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like JHHU, CBJJ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like T.JN, KRSR, etc.

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

27d 11h

Table of astronomical observations for 27d 11h, listing stations like WHN, KLR, MYLDM, etc., and their corresponding data points.

2012 JUL

Main table of astronomical observations for 2012 JUL, listing stations like LSA, PSI, MNSI, etc., and their corresponding data points.

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Table of astronomical observations for 1376, listing stations like SPITS, KBS, YKA, etc., and their corresponding data points.

ISCJB 27 11:32:39.3, 0.8, 41.18N, 0.0436; 13E, 0.07, h0km, Error ellipse: s-maj=8.8km s-min=4.8km az=26.7 CSEM 27 11:32:39.5, 41.17N, 36.13E, h7km, ML2.9, Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC, providing detailed observation data for various stations.

CSEM 27 11:50:58.4,38°29N,22°11'E,h8km,ML1.0/4
ATH 27 11:50:58.4,38°29N,22°11'E,h8km,3km,ML1.0/4, Error
ellipse: s-maj=3.1km s-min=0.8km az=298.0, Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TRIZ, Kalithea, LAKA, SERG, ANX, ANO CHORA, DSF, GUR, KAPS, UZB, KPKS, MAZK, MK31.

SOME 27 12:02:56.4,44°18N,81°73E,h10km
NCC 27 12:02:58.6,1.1,44°34N,81°51E,h0km,mb2,mpv2.4,
Error ellipse: s-maj=16.6km s-min=3.9km az=126.0,
ISC 27 12:02:58.0,2.0,44°22N,0°06.81E,h10km,n7,
a=86°12,2C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KTMES, PDGK, KAPS, UZB, KPKS, MAZK, MK31.

GUC 27 12:03:50.9,0.6,22°60S,68°49W,h139km,6km,ML3.5,
Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, KPMO, PB09, PB03, PB07, MK31.

PB05 IPOC Station P 1.60 261 eP Pn 12 04 21.6 +0.7
Pb05 I/S Sn 12 04 44.8 +1.0
Pb05 IAML 12 04 52.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SFK, MNAS, KK31, I43RU, I26DE, I48TN.

IDC 27 14:21:21.9,999.0,46°58N,47°09E,h0km, Error ellipse:
s-maj=488.5km s-min=208.3km az=132.0,
Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like I43RU, I26DE, I48TN, I43RU, I26DE, I48TN.

IDC 27 13:15:49.8,1.4,0.11N,122°85E,h0km,mb3,7/4,
mb1 3.9/4,mb1mx3.5/52,mbtmp3.7/4, Error ellipse:
s-maj=66.4km s-min=21.7km az=72.0,
ISCJB 27 13:16:04.1,0.7,0.06S,0°10,122°81E,0.09,h162km,
mb3,6/4, Error ellipse: s-maj=14.6km s-min=11.8km
az=147.3,
DJA 27 13:16:06.1,0.6,0°S,3°12'3E,,h120km,6km,M3,8/7,
MLV3,8/7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LUWI, MRSI, MRSI, KMSI, APSI, PCS, TTSI, WRA, ASAR, MJAR, MKAR.

BUI 27 13:25:23.1,0.05S,100°47E,h163km,mb4,7/11,mb4,9/6
ISCJB 27 13:25:27.6,0.2,0°36N,0°03,100°04E,0.03,h165km,2km,
mb4,3/39, Error ellipse: s-maj=6.1km s-min=3.5km
az=144.8,
NEIC 27 13:25:29.0,0.4,0°34N,100°14E,h165km,4km,mb4,3/7,
Error ellipse: s-maj=7.8km s-min=5.1km az=47.0,
IDC 27 13:25:28.1,0.7,0°40N,100°20E,h155km,5km,mb4,1/30,
mb1 4.2/32,mb1mx4.0/64,mbtmp4.6/32,MSJ,1/2,
Ms1 3,1/2,ms1mx2.5/65, Error ellipse: s-maj=12.9km
s-min=7.9km az=50.0,
DJA 27 13:25:29.3,0.3,0°N,2°10'0E,,h150km,4km,M4,9/18,
MB5,2/2,mb5,1/2,MLV4,7/18,Mv(MB)4,6/2
ISC 27 13:25:28.8,0.5,0°35N,0°04,100°00E,0.04,h160km,4km,
h161km,pP-P,n135,,a130°151,mb4,3/42,1C,Northern
Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MNSI, BKNi, BKNi, BPSI, SISI, GSI, GSI, PSI, KRJI, KRJI, PPSI, PPSI, TSI, KCSI, TPTI, MYKOM, MASI, SNSI, IPM, TPRI, DSRI, KULM, KULM, MLI, MLI, LHMI, MDSI, CMBY, CMBY, CMBY, CMBY.

SONM 27 12:02:58.6,1.1,44°34N,81°51E,h0km,mb2,mpv2.4,
Error ellipse: s-maj=16.6km s-min=3.9km az=126.0,
ISC 27 12:02:58.0,2.0,44°22N,0°06.81E,h10km,n7,
a=86°12,2C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MNSI, BKNi, BKNi, BPSI, SISI, GSI, GSI, PSI, KRJI, KRJI, PPSI, PPSI, TSI, KCSI, TPTI, MYKOM, MASI, SNSI, IPM, TPRI, DSRI, KULM, KULM, MLI, MLI, LHMI, MDSI, CMBY, CMBY, CMBY, CMBY.

LAMP Lampang 18.06 359 P Pn 12 29 34.6 +6.6
PALK Palekete 20.44 290 P Pn 12 29 56.6 +2.7
SILH Silchar 25.27 345 eP P 12 30 39.6 -0.7
SOKH KOHIMA 25.86 348 eP P 12 30 45.0 -0.7
SHL Shilong 26.27 343 eP P 12 30 49.7 +0.2
MOKO MOKOCHONG 26.36 349 eP P 12 30 50.1 -0.1
GIRL Girilala 26.73 150 P P 12 30 55.2 +1.7
TEZP TEZPUR 27.02 346 eP P 12 30 54.5 -1.5
BOK Bokaro 27.03 331 eP P 12 30 57.7 +1.5
BOK 12 31 01.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LKP, ZIRO, ZIRO, H08S2, LAMP, PALK, SILH, SOKH, SHL, MOKO, GIRL, TEZP, BOK, LKP, ZIRO, H08S2.

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H08S3, H08S1, ODAN, JIRN, PKIN, GUN, CD2, DMN, KAKANI, GKN, KOLN, BHPL, DANN, PYUN, MEEK, MTN, XAN, XAN, KDU, MUN, KLBRE, WRKA, H01W3, H01W2, H01W1, KMBALDA, DHRM, DHRM, GTA, WRA, WRA, WRAB, WB2, AS31, ASAR, ASAR, ASAR, ASAR, ASO1, FORST, JUNU, QIS, WMQ, WMQ, WMQ, KSH, KSH, KSH, KS15, KSAR, KSAR, KSAR, KSRS, KSRS, KSRS, KSRS, WSAR, MTSU, BBOO, SONM, SONM, SONM, AAK, AAK, MK01, MK13, MKAR, HTT, QLP, MJAR, STKA, STKA, STKA, USRK, KURBB, KURBB, ARPS, CMA, GEYT, ZALV, ZALV, ZALV, EIDS, ARMA, BVAR, BVAR, BRVK, ABKAR, AKTO.

27d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKTO, ARU, KBZ, MMAI, BRTR, KLMR, BOSB, AKASG, IDI, MLR, BUR04, SYO, FIA1, FINESS, TUNES, FHF, SPITS, NVAR, TXAR, CPUP.

MEX 27 13:41:03.8-0.5, 16.29N, 98.29W, h5km, MD3.5, Near coast of Guerrero

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

ISCJB 27 13:47:05.0-0.4, 39.20N, 0.03-29.45E, h10km, 4km, Error ellipse: s-maj=6.9km s-min=5.8km az=34.1

ISC 27 13:47:04.2, 39.17N, 29.51E, h5km, ML1, 8/6

CSEM 27 13:47:04.9-0.1, 39.18N, 29.48E, h10km, ML2.5, Error ellipse: s-maj=4.1km s-min=2.0km az=130.0

DDA 27 13:47:05.1, 39.21N, 29.44E, h7km, ML2.5

ISC 27 13:47:05.2-0.9, 39.18N, 0.03-29.48E, 0.03, h15km, 5km, n28, 0073/42, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GDZ, SHAP, TVSB, SIMA, KUTH, DEMI, KHAL, KULA, MANT, BORA, CAVI, YLV, GULT.

WEL 27 13:53:58.3, 38'S, 111°18'0W, h33km, ML3.5/21, East of

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMGZ, MXZ, PKGZ, CNGZ, TWGZ, HAZ, HKZ, RUGZ, RIGZ, PRGZ, MWZ, RHGZ, KHZ, UNGZ, MUZ, MTHZ, ARHZ, NMHZ, TARZ, MRHZ, MCHZ, BKZ, KAHZ, KWHZ, PXZ, KRHZ, BHZ, PRHZ, PNHZ, TSZ.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DVHZ, PMKZ, POWZ, TIWZ, MRZ, CTZ.

ISCJB 27 14:01:25.6-0.2, 79.21N, 0.04-124.0E, 0.1, h10km, mb4.2/73, MS3.4/2, Error ellipse: s-maj=5.3km s-min=3.6km az=1.6

ISC 27 14:01:26.0-0.6, 79.21N, 124.16E, h0km, mb3.9/21, mb1.4/123, mb1mx3.9/75, mbtmp3.9/23, ML3.4/2, MS3.4/43, MS1.3/443, ms1mx3.2/80, Error ellipse: s-maj=15.7km s-min=13.5km az=4.0

NEIC 27 14:01:27.4-0.1, 79.19N, 123.95E, h10km, mb4.4/52, Error ellipse: s-maj=4.0km s-min=2.7km az=183.0

ISC 27 14:01:27.6-0.4, 79.12N, 0.06-123.98E, 0.07, h10km, n163, c122/137, mb4.4/73, MS3.4/42, IC, East of Severnaya Zemlya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TIXI, YAK, KBS, SPA0, SPITS, MA2, RDG, TOLK, KEV, COLD, ARA0, ARCS, FYU, INK, INK, MLY, MDM, COLA, BPWA, CCB, ILI, ILAR, ILAR, WRH, CAST, KTH, MCK, TRF, SMC, TLY, EGAK, ZALV, PETK, SCK, RIDG, PAX, SCO, GHO, SML, HARP, SCM, HIA, KLR, KLU, BMRM, BRVK, BVAR, FIA0, FINE, FINE, SONA, SONA, SONA, SONM, KURB, KURB, KDAK, OHAY, WHAY, SFJD, NC302, NC205, NC201, NC303, NC200, YKA, NC202, NC405, NC203, NC401.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NC404, NC400, NC402, MDJ, NB205, NB201, NB204, NB2, NB200, NOA, NOA, NB202, NB203, NB002, NB003, NB004, NC601, NC602, NC600, NA002, NC604, NC603, HFS, HFS, JIS, MK32, MKAR, MKAR, ASAJ, MS01, MAK2, KONO, AKTO, ABKAR, BJT, NRS, AAK, AAK, KK31, KKAR, AKASG, AKASG, KSRS, KSRS, KSAR, EKA, MAJO, MJAR, CLL, CLL, CLL, CLL, VROC, BR08, BUR04, BUR04, KVAR, KIV, KBZ, KBZ, KHC, GEC2, GERES, GERES, GEA0, MLR, GEYT, DAVO, LON, ULM, GNI, TUE, KBL, NIL, BR101, BRTR, YBH, PDAR, PDAR, IDI, IDI, NV01, NV01, NVAR, MMAI, MMAI, KEST, KEST, ANMO, WSAR, WMOK, MDT, TX31, LTX, LTX, TXAR, PALK, KOWA, KOWA, TOA1, TOA1.

TOAO Torodi Arr. Sit 82.93 304 eP P 14 13 50.4 -1.9
TORO Torodi Arr. Bea 82.93 304 P P 14 13 50.4 -1.9

ISCJB 27 14:06:27.1±0.3, 181.40S±0.08, 177.87W±0.06, h600km,
mb4.0/23, Error ellipse: s-maj=11.3km s-min=6.5km

IDC 27 14:06:28.9, 1.1, 181.36S±1.77, 87W, h608km, 1.9km,
mb3.5/23, mb1.3/7.25, mb1mx3.5/5.1, mbtmp4.5/2.5, Error
ellipse: s-maj=11.4km s-min=8.5km az=146.0

ISC 27 14:06:28.2±0.5, 183.35S±0.10, 177.88W±0.08, h600km,
n46, ±102/52, mb4.0/23, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NIED 27 14:11:00.31, 60N, 138.60E, h400km, Mw4.2 Best
double couple: M2:65000x1015 NP1:107.000000,
δ51.000000, λ-141.000000, NP2:103.35000000,
δ61.000000, λ-46.000000

ISCJB 27 14:11:11.5±0.4, 31.31N±0.04, 138.48E±0.06, h381km,
mb3.5/11, Error ellipse: s-maj=7.3km s-min=5.5km

JMA 27 14:11:11.7±0.2, 31.56N±1.38, 138.64E, h414km, M3.6
IDC 27 14:11:13.2±0.7, 31.39N±1.38, 39E, h385km, 9km, mb3/2/11,
mb1.3/2/16, mb1mx3/0/7.1, mbtmp3.9/1.6, Error ellipse:
s-maj=24.7km s-min=11.2km az=72.0

ISC 27 14:11:12.4±0.7, 31.43N±0.07, 138.50E±0.08, h381km, n33,
±177/43, mb3.5/11, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Southeast of Honshu region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific region.

SOME 27 14:18:41.1, 40.83N±73.27E, h0km
KRNET 27 14:18:41.5±0.1, 40.83N±73.25E, h15km, mb2.9
NWC 27 14:18:41.9±0.6, 40.82N±73.28E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=13.3km s-min=3.1km az=72.0

ISC 27 14:18:40.9±1.1, 40.85N±0.02, 73.31E±0.02, h3km±11km,
n43, ±130/74, 30C±25, Kyrgyzstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Kyrgyzstan region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific region.

IDC 27 14:23:28.7±1.1, 49.45S±106.47E, h0km, mb3.7/5,
mb1.4/0.5, mb1mx3.7/4.4, mbtmp3.7/5, MS3.5/9, Ms1.3/5.9,
ms1mx3.1/3.6, Error ellipse: s-maj=44.3km
s-min=21.6km az=107.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Southeast Indian Ridge region.

MAN 27 14:24:14.7, 775N-127.63E, h5km, mb5.1, ML4.0, MS4.1,
1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Philippine Islands region.

BUI 27 14:39:59.1, 35.92N-140.58E, h77km, mb4.6/27, mb4.8/16,
Ms4.1/4, Ms7.3/8/4
NIED 27 14:40:00.36±0.0N±140.10E, h65km, Mw4.3 Best double
couple: M2:96000x1015 NP1:189.000000, δ26.000000,
λ86.000000, NP2:114.000000, δ64.000000, λ92.000000

MOS 27 14:40:01.4±1.1, 35.98N±140.35E, h64km, mb4.5/40, Error
ellipse: s-maj=9.2km s-min=5.6km az=111.4
ISCJB 27 14:40:02.0±0.4, 35.92N±140.03±140.21E±0.04, h72km±2km,
mb4.2/63, Error ellipse: s-maj=5.0km s-min=4.5km

IDC 27 14:40:04.4±1.2, 35.98N±140.07E, h75km±11km, mb3.8/24,
mb1.4/0/28, mb1mx3.8/6.9, mbtmp4.2/28, MS3.0/17,
Ms1.3/0.7, ms1mx2.8/6.2, Error ellipse: s-maj=15.6km
s-min=6.4km az=64.0

NEIC 27 14:40:04.1±0.5, 35.93N±140.16E, h73km±4km, mb4.5/8,
Error ellipse: s-maj=6.4km s-min=5.3km az=87.0
NEIC Fel at Kashiwa, Tokyo, Tsuchiara, Tsukuba and
Utsunomiya.

JMA 27 14:40:04.5±0.1, 35.97N±140.10E, h63km±1km, M3.8
Broadband fault plane solution: P waves. NP1:
106.000000, δ62.000000, λ86.000000, NP2:195.000000,
δ28.000000, λ98.000000. Principal axes: T: P1g7.000000,
M: P1g7.000000, Azm9.000000

JMA Fel II, J
ISC 27 14:40:02.5±0.6, 35.95N±140.04±140.26E±0.05, h62km±5km,
n152, ±163/167, mb4.3/63, 15C-6D, Near east coast of
eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations in the eastern Honshu region.

27d 15h

Table with columns for station code, name, coordinates, and various data points. Includes stations like JHJ, Mitsu, Ermo, Erimo, Nakatsue, etc.

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Table with columns for station code, name, coordinates, and various data points. Includes stations like TLY, CD2, CD2, GTA, etc.

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Table with columns for station code, name, coordinates, and various data points. Includes stations like NOA, NORSAR Array B, NVAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMAR, PETK, SONM, VVND, MKAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMG, WRA, ASAR, H11S3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TORD, ILAR, NOA, CLL, etc.

ICD 27 15:52:46.0, 2.9, 3.12S, 136.61E, h0km, mb3.7/2, mb1 4.0/3, mb1mx3.5/43, mbtmp3.8/3, ML3.7/1, Error ellipse: s-maj=11.1, s-min=31.2, km az=81.0

DJA 27 16:13:06.0, 3.4, 5.7S, 141.1E, 2.1, h15km, 50km, M3.6/3, MLV3.6/3, Irian Jaya

ICD 27 16:21:52.7, 1.0, 2.30N, 121.78E, h0km, mb3.5/9, mb1 3.6/10, mb1mx3.4/62, mbtmp3.5/10, ML2.7/1, MS3.0/4, Ms1 3.1/4, ms1mx2.6/49, Error ellipse: s-maj=33.4km

ISCJ 27 15:52:51.6, 1.2, 3.4S, 131.6E, h28km, 11km, M4.2/8, mb4.5/1, MLV4.1/8

JAY Jayapura, 1.23 349 P, Genyem, 1.36 326 S

ICD 27 16:21:54.1, 2.279N, 121.20E, h9km, ML3.8, C JMA 27 16:21:55.1, 0.6, 2.279N, 121.66E, h0km, M3.4

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

ISCJ 27 16:15:46.0, 0.3, 9.29N, 0.04, 69.64W, 0.04, h8km, mb4.0/19, MS3.2/12, Error ellipse: s-maj=6.9km

ICD 27 16:21:53.0, 3.2, 2.291N, 0.01, 121.29E, 0.02, h4km, 2km, mb3.4/9, MS2.9/4, Error ellipse: s-maj=2.7km, s-min=2.3km

WEL 27 15:56:32.2, 38.5S, 180W, h33km, ML3.5/23, East of North Island

ISCJ 27 16:15:46.0, 0.5, 9.20N, 69.67W, h0km, mb4.1/19, mb1 4.3/21, mb1mx4.1/52, mbtmp4.1/21, ML4.4/3, MS3.2/17, Ms1 3.2/17, ms1mx3.0/55, Error ellipse: s-maj=13.4km

TAP 27 16:21:54.1, 2.279N, 121.20E, h9km, ML3.8, C JMA 27 16:21:55.1, 0.6, 2.279N, 121.66E, h0km, M3.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WMGZ, MXZ, PKGZ, etc.

ISCJ 27 16:15:47.0, 6.0, 9.22N, 0.05, 69.66W, 0.05, h8km, n71, s152/70, mb4.1/19, MS3.2/12, Venezuela

ICD 27 16:21:52.7, 1.0, 2.30N, 121.78E, h0km, mb3.5/9, mb1 3.6/10, mb1mx3.4/62, mbtmp3.5/10, ML2.7/1, MS3.0/4, Ms1 3.1/4, ms1mx2.6/49, Error ellipse: s-maj=33.4km

ISCJ 27 16:02:39.1, 0.8, 38.68N, 0.04, 143.19E, 0.05, h22km, 9km, Error ellipse: s-maj=7.7km, s-min=5.3km, az=151.4

SDV Santo Domingo, 1.02 251 P, SDV, 3um, 0.3s, baz=16, slow=18, SNR=26

CHKT Chengkung, 1.8 33 P, CHKT, baz=62

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

SDV, 3um, 0.3s, baz=16, slow=18, SNR=26

TWG Pinlang, 0.22 234 P, TWG, baz=224

ICD 27 16:09:12.0, 0.2, 8.579S, 147.59E, h236km, 40km, mb3.3/3, mb1 3.5/5, mb1mx3.0/44, mbtmp3.9/5, MS3.7/1, Ms1 3.7/1, ms1mx2.4/24, Error ellipse: s-maj=93.1km

SDV, 3um, 0.3s, baz=16, slow=18, SNR=26

CHKT Chengkung, 1.8 33 P, CHKT, baz=62

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

SDV, 3um, 0.3s, baz=16, slow=18, SNR=26

CHKT Chengkung, 1.8 33 P, CHKT, baz=62

Table with columns: Station, Name, Az, El, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like WJS, ENCLB, SCLT, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like MJAR, CMAR, GUMO, etc.

Table with columns: Station, Name, Az, El, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like GRPR, GRPR, GRPR, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JUNU Nakatsue, KKM Kota Kinabalu, LPJG La Paz, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MSO Missoula, PAX Paxson, SNOW Snow King Moun, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like AKASG Malin Array Be, AKKB Malin Array Si, KSP Ksiatz, etc.

ISCJB 27 19:30:36.0±0.7, 19:03N,0:05E,145:6E±0.2, h214km, mb3.5/11, Error ellipse: s-maj=24.0km s-min=7.6km az=177.1

ICD 27 19:30:37.1±1.8, 19:01N,145:63E, h211km, 17km, Mb1.2/6/1, ms1mx2.3/6/4, mbtmp4.0/15, MS2.6/1, ms1=1.0, km az=83.3

ISC 27 19:30:37.8±0.8, 19:01N,0:07,145:5E±0.2, h214km, n17, ±0.76/16, mb3.6/11, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like GUMO Guam, JCJ Chichijima, JOW Kunigami, etc.

WEL 27 19:31:04.7±1.3, 38°S, 10°W, h10km, East of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WMGZ Waioamatatini S, WMGZ Waioamatatini S, etc.

Table with columns: PRGZ, Paritu Road, MWZ, Matawai, MWZ, Matawai, MHGZ, Mathia Peninsul, MHGZ, Mathia Peninsul, RAGZ, Rawiri, RAGZ, Rawiri, RAGZ, Kokohu, RAGZ, Kokohu, SNKZ, Shannon Statio, SNKZ, Shannon Statio, URZ, Urewera, URZ, Urewera, RTZ, Rustahuna, RTZ, Rustahuna, WHHZ, Waiaha, WHHZ, Waiaha, MAHZ, Aarahi, MAHZ, Murupara, MTHZ, Maungataniwha, OPRZ, Ohinepanea, ARHZ, Aropangan, TARZ, Mount Tarawera, NMHZ, Naumai, MCHZ, McNeill Hill, BKZ, Black Stump Fm, KAHZ, Kahuranaki, KWHZ, Kaweka Forest, PXZ, Pawanui, KRHZ, Kereru, BHHZ, Black Hill Sta, PNHZ, Pukenui, MOVZ, Moawhango, TUHZ, Tukino, WHVZ, Whangaeahu Hut, TSZ, Takapari Road, DVHZ, Dannevirke, PRWZ, Port Road, POWZ, Post Office Ro, TIWZ, Tintock, WAZ, Wanganui, MRZ, Mangatainoka R, HOWZ, Holdsworth Sta, CTZ, Chatham Island.

JMA 27 19:39:41.1-0.4, 37.07N-142.36E, h12km, 5km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like JFK, IAFJ, ONAJ, Kawachimi, ONAJ, Fukushimafurud, JMM, Marumori, JMM, Hitachi, JHO, Otari, JFT, Ouma, JFT, Ouma, JFT, Okura, JFY, Yamaizu, JMAT, Matsushiro, MAT.

ISC/JB 27 19:43:12.5-0.5, 33.32N-102.35E, 0.04, h3km, 4km, Error ellipse: s-maj=6.3km s-min=2.9km az=30.9

CSEM 27 19:43:14.0-0.3, 33.31N-35.38E, h0km, ML2.6, GRAL 27 19:43:14.0-0.2, 33.31N-35.38E, h0km, 72km, MD2.6, ISC 27 19:43:12.5-0.5, 33.32N-102.35E, 0.04, h14km, 9km, n27, -0872/46, Jordan-Syria region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like KSDI, Kefar Szold, KSDI, Chebaa, SHBL, Chebaa, SHBL, Chebaa, SHBL, Neve Ativ, NATI, Hanita, HNTI, HNTI, MMAOB, Mount Meron ar, MMAOB, QARW, Qaraoun, QARW, Qaraoun, QARW, Deir Qamar, DQRL, Deir Qamar, DQRL, Deir Qamar, DQRL, Rachaya, RCY, Keshet, BHL, Bhanes, BHL, Bet Lehem HaGe, BLGI, OFRI, Mount Malkishu, MMLI, HWQ, Hawqa, HWQ, Nahal Hemdat, HMDT, SLTI, Safit, DSI, Dead Sea, AMAZ, Amatzia, YATIR, Yattir, MZDA, Masada, MZDA, KZIT, Kziot, PRNI, Paran.

IDC 27 19:44:49.7-354.0, 57.12N-29.56E, h0km, Error ellipse: s-maj=150.4km s-min=88.0km az=99.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like I43RU, DUBNA INFRASON, I43RU, FREYUNG INFRAS12.61, I43RU, KESRA INFRASONS25, I43RU.

IDC 27 19:49:50.8-1.8, 12.03N-144.51E, h115km, 18km, mb3.2/5, mb1 3.4/5, mb1mx3.0/67, mbtmp3.6/5, Error ellipse: s-maj=63.8km s-min=21.0km az=98.0, South of Mariana Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like GUMO, Guam, WRA, Warramunga Arr, ASAR, Alice Springs, KURBB, Kurchatov Arr, ILAR, Eileison Array, FINES, FINES Array B, AAK.

MAN 27 19:49:54.2, 9.42N-125.71E, h33km, mb4.3, ML3.1, MS2.9, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like SCPH, Surigao, BUTP, Butuan, BUKP, Musuan, BUKP, Tagbilaran, PAGZ, Pagadian, PAGZ.

IDC 27 19:51:56.7-1.1, 33.44N-88.89E, h0km, mb3.7/7, mb1 3.8/10, mb1mx3.5/75, mbtmp3.7/10, ML3.5/2, MS2.9/4, Ms1 2.9/4, ms1mx2.5/63, Error ellipse: s-maj=49.4km s-min=16.9km az=58.0

ISC/JB 27 19:51:60.0-0.8, 33.6N-0.1-89.0E, 0.2, h33km, mb3.7/6, MS3.3/3, Error ellipse: s-maj=29.5km s-min=10.6km az=57.0

ISC 19-52:02.2-1.1, 33.6N-0.1-89.1E, 0.2, h35km, n15, s=108/12, mb3.8/6, MS3.1/3, Xizang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like MKAR, Makanchi Array, MKAR, Ala-Archa, CMAR, Chiang Mai Arr, KURBB, Kurchatov Arr, SONM, Sogino Array, ZALV, Zalesovo Beam, ZALV, Borovoye Array, AKTO, Aktyubinsk, FINES, FINES Array B, ARCES, ARCES Array B, NOB, NORSAR Subarra, NOA, NORSAR Array B, WRA, Warramunga Arr, ASAR, Alice Springs, DBIC, Dimbokro.

IDC 27 20:31:57.1-2.8, 7.64S-146.52E, h0km, mb2.9/1, mb1 3.2/5, mb1mx3.1/47, mbtmp3.2/2, ML2.9/4, MS3.6/1, Ms1 3.6/1, ms1mx2.7/8, Error ellipse: s-maj=60.1km s-min=37.1km az=62.0, Eastern New Guinea region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like PMG, Port Moresby, PMG, Warramunga Arr, ASAR, Alice Springs, MJAR, Matsushiro Arr, TORD, Torodi Ar. Bea.

IDC 27 20:35:51.4-13.0, 35.13N-88.06E, h0km, mb3.1/1, mb1 3.2/5, mb1mx3.1/70, mbtmp3.2/5, ML2.7/4, MS3.3/8, Ms1 3.3/8, ms1mx3.1/26, Error ellipse: s-maj=191.0km s-min=50.9km az=10.0, Xizang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like MKAR, Makanchi Array, MKAR, Ala-Archa, KURBB, Kurchatov Arr, SONM, Sogino Array, ZALV, Zalesovo Beam, ZALV, Chiang Mai Arr, BVAR, Borovoye Array, AKTO, Aktyubinsk, KSRS, Korea Arra, ASAJ, Asahikawa.

IDC 27 20:39:49.1-2.1, 17.73S-167.51E, h0km, mb3.9/3, mb1 4.0/4, mb1mx3.6/45, mbtmp3.8/4, ML3.4/1, MS2.8/1, Ms1 2.8/1, ms1mx2.4/45, Error ellipse: s-maj=65.5km s-min=32.9km az=123.0, Vanuatu Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like DZM, Mont Dzumac, HNR, Honiara, STKA, Stephens Creek, ASAR, Alice Springs, ILAR, Eileison Array.

NNC 27 20:47:09.2-8.7, 37.85N-71.30E, h0km, mb3.6, mpv3.2, 5C-3D, Error ellipse: s-maj=65.8km s-min=50.8km az=174.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like SFK, Stufi-Kurgan, MNAS, Karatay Array, KK31, Karatay Array, AAK, Ala-Archa, AAK.

AZER 27 21:19:25.0-73.0, 36.88N-51.16E, h1km, ml4.2/21, Error ellipse: s-maj=16.0km s-min=14.4km az=324.0

THR 27 21:19:26.9-0.4, 36.82N-51.30E, h6km, ML4.1, TEH 27 21:19:26.9-0.4, 36.82N-51.30E, h6km, ML4.1, NEIC 27 21:19:26.9-0.4, 36.82N-51.30E, h6km, mb4.2/13, ML4.1 (THR), After THR, ISC/JB 27 21:19:28.4-0.2, 36.88N-0.02-51.30E-0.02, h10km, mb4.0/22, MS3.1/4, Error ellipse: s-maj=3.1km s-min=1.7km az=144.0

IDC 27 21:15:28.3-1.1, 36.85N-51.27E, h0km, mb3.9/17, mb1 4.0/23, mb1mx3.8/74, mbtmp3.9/23, ML3.5/6, MS3.1/3, Ms1 3.1/3, ms1mx2.5/61, Error ellipse: s-maj=19.9km s-min=12.0km az=2.0

CSEM 27 21:19:28.7-0.1, 36.83N-51.28E, h2km, mb4.1/18, Error ellipse: s-maj=4.0km s-min=2.5km az=57.0

MOS 27 21:19:32.8-1.6, 37.30N-51.36E, h19km, mb4.2/23, Error ellipse: s-maj=8.4km s-min=4.4km az=116.3

NNC 27 21:19:47.4-4.4, 37.52N-54.51E, h0km, mb4.1, Error ellipse: s-maj=71.8km s-min=33.0km az=85.0

ISC 27 21:29:8.0-0.4, 36.78N-0.04-51.30E-0.03, h10km, n299, s=1943/308, mb4.1/27, MS3.0/4, 48C-74D, Northern and central Iran

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, Res ISC. Includes stations like CHTH, Charan, CHTH, Charan, CHTH, Charan, THKV, Tehran-Karaj, THKV, Tehran-Karaj, THKV, Ghazvin, IGZV, comp=E,49mu,0.2s, IGZV, comp=N,29mu,0.2s, IGZV, Ghazvin, IAFJ, Afjeh, IAFJ, comp=Z,54mu,0.2s, IAFJ, comp=N,44mu,0.1s, IAFJ, comp=E,479nm,0.1s, IAFJ, Afjeh, IPRN, Peran, IPRN, comp=N,95mu,0.3s, IPRN, comp=Z,17mu,0.3s, IPRN, IMHD, Mahdasht, IMHD, comp=Z,43mu,0.1s, IMHD, comp=E,96mu,0.1s, IMHD, IMHD, Mahdasht, DAMV, Damavand, DAMV, Damavand, DAMV, Damavand, IDMV, Damavand, IDMV, comp=E,99mu,0.1s, IDMV, comp=N,88mu,0.2s, IDMV, comp=Z,34mu,0.3s, IDMV, Damavand, IALA, Alasht, IALA, comp=Z,59mu,0.1s, IALA, comp=E,90mu,0.1s, IALA, Alasht, IFIR, Firoozkoo, IFIR, comp=Z,30mu,0.1s, IFIR, IFIR, comp=E,35mu,0.1s, IFIR, comp=N,26mu,0.3s, IFIR, IFIR, Firoozkoo, QABC, Abgarm-Qazvin, QABC, comp=Z,99mu,0.3s, QABC, QABC, comp=E,99mu,0.2s, QABC, comp=N,99nm,0.2s, IRAZ, Razeghan, IRAZ, comp=Z,26mu,0.1s, IRAZ, comp=N,16mu,0.2s, IRAZ, IRAZ, Razeghan, ISHM, Shahmirzad, ISHM, comp=N,118nm,0.1s, ISHM, comp=E,9mu,0.1s, ISHM, comp=Z,67mu,0.2s, ILAS, Lasjerd, ILAS, comp=E,22mu,0.2s, ILAS, Lasjerd, IGLA, Ghaloghah, IGLA, comp=Z,82mu,0.3s, IGLA, comp=N,49mu,0.3s, GHVR, GHOM, GHVR, comp=E,728nm,0.5s, GHVR, comp=N,792nm,0.7s, HKZM, Kohzaman, HKZM, comp=Z,99nm,0.2s, HKZM, comp=E,99nm,0.3s, HKZM, comp=N,99nm,0.2s, HKZM, Kohzaman, ASAO, Ashtian, ASAO, Ashtian, ASAO, Ashtian, IANJ, Anjilo, IANJ, comp=Z,9mu,0.2s, IANJ, Anjilo, HAGD, Aghdareh, HAGD, comp=E,99nm,0.1s, HAGD, comp=Z,99nm,0.2s, HAGD, comp=N,99nm,0.3s, HAGD, Aghdareh, ASTR, Astar, ASTR, Astar, ASTR, Astar, LKRN, Lenkeran, Azer, LKRN, Lenkeran, Azer, LKRN, Lenkeran, Azer, LKRN, Lerik, LKRN, Lerik.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Topalu, Kashi, Arti, Plostina, Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Davos/Dischmat, Hagfors, NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Nanjing, Utaradi, Sakolnork, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MK31 Makanchi Array, PSZ Piszkesteto, and many others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like LZH Lanzhou, ES19 SONSECA Array, and many others.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VANB Van, TVAN Van, and many others.

ISCJB 27 23:00:46.3:0.6,2.13N:0.08:127.82E:0.09,h134km,mb4.0/11, Error ellipse: s-maj=13.5km s-min=10.4km

DJA 27 23:00:48.7:1.5,2.14N:12.8E:1.4,h180km,14km, M4.4/7,mb5.0/4,mb4.7/5,MLV4.3/7,Mw(mb)4.3/4

ISC 27 23:01:04.5:11.0,1.92N:127.93E,h304km,124km,mb3.5/11,mb1.3/6/11,mb1mx3.2/58,mbtm4.1/11,MS3.3/1,Ms1.3.3/1,ms1mx2.3/32, Error ellipse: s-maj=40.2km s-min=22.1km az=78.0

ISC 27 23:00:48.8:0.8,2.22N:0.09:127.7E:0.1,h134km,mb4.0/11,Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TMTI Ternate, KMSI Cibinong, and many others.

WEL 27 21:46:38.0:38.59S:18.0W:1.8,h33km,ML3.6/21,East of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like STKA Stephens Creek, WRA Warrunganga Arr, and many others.

ISC 27 23:01:14.1:2.8,18.30S:173.01E,h0km,mb4.0/4,mb1.4/3,mb1mx3.8/44,mbtm4.0/3,ML2.9/11,MS3.8/8,Ms1.3.8/8,ms1mx3.1/40, Error ellipse: s-maj=120.8km s-min=29.6km az=143.0,Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DZM Mont Dzumac, AFZ Afamalu, and many others.

ISC 27 23:02:13.9:0.4,4.11S:0.07:43.43E:0.10,h9km,mb4.3/27,MS3.7/21, Error ellipse: s-maj=11.8km s-min=9.2km az=139.4

ISC 27 23:02:14.1:0.6,4.11S:125.43:43E,h0km,mb4.0/11,mb2.1/4,1/12,mb1mx3.8/59,mbtm4.0/12,ML3.4/1,MS3.7/22,Ms1.3.7/22,ms1mx3.5/51, Error ellipse: s-maj=26.0km s-min=16.9km az=50.0

NEIC 27 23:02:15.8:0.2,4.11S:105.43:45E,h10km,mb4.6/10, Error ellipse: s-maj=6.9km s-min=5.4km az=49.0

ISC 27 23:02:15.5:0.4,4.11S:109.5:0.09:43.43E:0.09,h9km,n51,mb4.3/9,mb4.3/27,MS3.7/21,Prince Edward Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BOSB Boshof, BOSA Bosa, and many others.

CSEM 27 22:47:14.3:0.3,38.72N:71.34E,h30km,ML1.9, Error ellipse: s-maj=11.5km s-min=6.3km az=127.0

ISK 27 22:47:14.8,38.75N:43.32E,h22km,ML1.9/4 DDA 27 22:47:15.7,38.77N:43.30E,h7km,ML2.7

ISC 27 22:47:14.7:1.0,38.74N:0.04:43.55E:0.05,h30km,7km,n16,c064/28,Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VANB Van, VANS Van, and many others.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like BAI Bari, HERR Herculane, MELA Melanico, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like SGTA comp=N,4225um,0.4s, MASS Massafra, MATE Matera, etc.

27d 23h

Table with columns for station name, frequency, power, and signal strength. Includes stations like PSZ Piszkesteto, MRLC Muro Lucano, CONA Conrad Observa, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BSD, Bornholm Skovb, HYF, Humbligny, etc.

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

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

Main table containing station names, call signs, frequencies, and coordinates for various radio stations across the region.

Technical details for station IDC 27.23:52:58.9,2.1, 14.45N:91.24W, h0km, mb4.0/7, m1 4.2/1.0, mb1mx3.9/4.9, mbmp4.0/1.0, ML3.5/3, MS3.5/1.2, Ms1 3.5/1.2, ms1mx3.1/4.5, Error ellipse: s-maj=75.9km s-min=17.3km az=38.0

Technical details for station CASZ 27.23:53:01.5,0.7, 15.22N:91.44W, h16km, 13km, ML3.5, mb4.2(NEIC)

Technical details for station NEIC 27.23:53:07.9,0.9, 14.19N:91.55W, h74km, 8km, mb4.2/4.1, Error ellipse: s-maj=12.4km s-min=5.3km az=213.0

Technical details for station ISC 27.23:53:04.2,0.9, 13.93N:01.9180W, 0.09, h61km, n95, -181/84, mb4.2/4.3, Near coast of Guatemala

Table listing station names, call signs, frequencies, and coordinates for stations in the right-hand column.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Lac du Bonnet, Peaks-Kenny PK, FTR Fort Ross, etc.

ISK 27 23:56:03.7, 39 01'N, 25 72'E, h13km, ML2.4/5
ATH 27 23:56:03.3, 39 05'N, 25 76'E, h29km, 2km, ML2.2/5, Error ellipse: s-maj=3.0km s-min=1.3km az=124.0

DDA 27 23:56:03.3, 39 01'N, 25 71'E, h7km, ML3.2
CSEM 27 23:56:04.2, 0.1, 39 05'N, 25 74'E, h15km, ML2.2, Error ellipse: s-maj=2.7km s-min=2.1km az=93.0

ISCJB 27 23:56:04.8, 0.4, 39 04'N, 0 03'25.74E, h0.4, h16km, 10km, Error ellipse: s-maj=5.1km s-min=4.1km az=19.9

THE 27 23:56:04.2, 39 03'N, 25 75'E, h12km, 1km, ML2.1/4, Error ellipse: s-maj=1.8km s-min=0.5km az=85.0

ISC 27 23:56:03.9, 0.8, 39 06'N, 0 02'25.74E, h0.02, h16km, 6km, n40, c#529/61, Aegean Sea

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

ISC 27 23:56:32.1, 6.8, 30 12'N, 177 28'W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.6/42, mbtmp3.8/3, Error ellipse: s-maj=278.8km s-min=51.5km az=150.0, Kermaadec Islands

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

ISK 27 23:56:48.9, 38 95'N, 26 31'E, h13km, 6km, ML2.4/4
ISCJB 27 23:56:49.3, 0.7, 38 95'N, 0 03'26.28E, h0.07, h11km, Error ellipse: s-maj=7.7km s-min=4.3km az=2.3

CSEM 27 23:56:49.4, 0.2, 38 95'N, 26 29'E, h15km, MD2.3, Error ellipse: s-maj=4.9km s-min=2.8km az=80.0

DDA 27 23:56:51.4, 38 95'N, 26 81'E, h7km, ML2.8
ISC 27 23:56:48.6, 1.0, 38 95'N, 0 03'26.28E, h0.04, h11km, n17, c#535/24, Aegean Sea

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

ISC 28 00:06:49.9, 19.0, 26 15'N, 92.67E, h0km, mb3.3/4, mb1 3.3/4, mb1mx3.1/65, mbtmp3.3/4, Error ellipse: s-maj=322.7km s-min=72.6km az=6.0, Northeastern India

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

JMA 28 00:08:29.0, 1.1, 37 38'N, 141 41'E, h33km, 1km, M3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JFK Kawachi, JFK Kwaikuchi, ONAJ Iwakizuishiy, etc.

ISC 28 00:27:55.2, 1.0, 32 24'N, 139 48'E, h0km, mb3.6/8, mb1 3.7/11, mb1mx3.5/68, mbtmp3.6/11, ML3.3/3, MS3.3/1, Mts 3.3/1, m3 1mx2.9/59, Error ellipse: s-maj=27.6km s-min=15.8km az=2.0

JMA 28 00:28:00.2, 0.2, 32 86'N, 140 64'E, h66km, M3.6
NIED 28 00:28:00.3, 90N, 140 60E, h5km, Mw3.7 Best double couple: M4.73000, 1014 NP1.0, 160 000, 830 00000, lambda-153.00000, NP2.0, 46.00000, 877.00000, lambda-63.00000

ISC 28 00:27:57.4, 1.5, 32 75'N, 105.140, 89E, h0.08, h43km, 15km, n29, c#1965/31, mb3.6/8, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHU2 Mitione, JHJC Hachiojimakas, JHJC Hachiojimakas, etc.

ISC 28 00:35:24.5, 0.3, 44 21'N, 17 87'E, h2km, 2km, ML2.7/12
CSEM 28 00:35:24.5, 0.1, 44 23'N, 17 92'E, h2km, ML2.8/7, Error ellipse: s-maj=3.0km s-min=1.8km az=46.0

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

ISC 28 00:35:06.0, 1.1, 38 66'N, 71 83'E, h0km, mb3.8/10, mb1 3.9/16, mb1mx3.6/72, mbtmp3.7/16, ML3.1/6, Error ellipse: s-maj=22.5km s-min=13.5km az=141.0

ISCJB 28 00:35:10.7, 0.6, 38 57'N, 0 05 71'E, h0.06, h47km, mb3.7/10, Error ellipse: s-maj=7.8km s-min=5.3km az=141.5

NNC 28 00:35:11.2, 3.2, 38 42'N, 71 75'E, h102km, 61km, mb3.4, mp4.0, Error ellipse: s-maj=27.8km s-min=20.5km az=10.0

NEIC 28 00:35:11.3, 0.8, 38 76'N, 71 93'E, h35km, mb4.0/1, Error ellipse: s-maj=15.8km s-min=12.5km az=98.0

ISC 28 00:35:11.8, 0.8, 38 54'N, 0 07 71.74E, h0.06, h47km, n36, c#25/44, mb3.8/10, 5C-8D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

ISC 28 00:35:24.5, 0.3, 44 21'N, 17 87'E, h2km, 2km, ML2.7/12
CSEM 28 00:35:24.5, 0.1, 44 23'N, 17 92'E, h2km, ML2.8/7, Error ellipse: s-maj=3.0km s-min=1.8km az=46.0

PDG 28 00:35:24.5, 0.4, 44 19'N, 17 89'E, h7km, ML2.8/13, Error ellipse: s-maj=0.6km s-min=0.9km az=0.0

LDG 28 00:35:25.2, 0.1, 44 32'N, 17 94'E, h2km, M3.1/4, Error ellipse: s-maj=5.5km s-min=3.1km az=26.0

PRU 28 00:35:28.7, 44 36'N, 17 74'E, h0km
ISC 28 00:35:24.6, 1.0, 44 22'N, 0 01 17.94E, h0.02, h8km, 9km, n164, c#1931/279, 27C-16D, Northwestern Balkan Peninsula

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

Table with columns for station name, frequency, and other parameters. Includes stations like UPM Unac-Piva, STON Ston, Plijevija, Bratogost, Divibare, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like OBKA Obir, ARSA Arzberg, MYKA Myra Mystica, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like DZM comp=2.434nm, PPT2 Papeete, STKA Stephens Creek, etc.

SOME 28 00:38:01.8, 38:97N-71:53E, h0km, NNC 28 00:38:04.4, 2.38:49N:72:03E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=35.0km s-min=21.1km az=161.0, IDC 28 00:38:12.5, 4.0, 38:24N:73:28E, h154km, mb3.3/7, mb1.3/2.10, mb1mx2.9/7.0, mbtmp3.6/10, Error ellipse: s-maj=4.1, 9km s-min=2.2km az=145.0, ISC 28 00:38:04.1, 1.38:52N:106:72.00E, 0:06, h10km, n32, 38:59E, mb3.6/7, 5C-4D, Tajikistan

Table with columns for Code, Station Name, Frequency, and other parameters. Includes stations like SFK Sufi-Kurgan, IUG luzhny, MRKS Mreke, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CRES Cresnjev, BEHE Becsehely, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DYR Agios Nikonas, PYL PYLOS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MTBS Maitube, IZV IZVKOVIV, etc.

IDC 28 02:29:39.3, 1.3, 35.32N, 22.58E, h0km, mb3.64, mb1.3, 5/5, mb1mx3.2/60, mbrmp3.6/5, ML2.7/1, MS2.9/4, MS1.3/0.4, ms1mx2.4/56, Error ellipse: s-maj=30.9km s-min=23.3km az=151.0

ISCJB 28 02:29:40.9, 1.5, 35.17N, 0.05, 22.58E, 0.08, h15km, 11km, mb3.5/4, MS3.5/2, Error ellipse: s-maj=13.3km s-min=6.2km az=146.2

ATH 28 02:29:41.8, 35.24N, 22.73E, h11km, 2km, ML2.9/4, Error ellipse: s-maj=3.9km s-min=1.2km az=48.0

CSEM 28 02:29:42.6, 0.4, 35.27N, 22.76E, h2km, ML2.9, Error ellipse: s-maj=9.1km s-min=3.9km az=47.0

THE 28 02:29:43.1, 35.27N, 22.76E, h0km, 3km, ML2.9/3, Error ellipse: s-maj=3.8km s-min=1.0km az=245.0

ISC 28 02:29:40.9, 1.5, 35.24N, 0.04, 22.69E, 0.05, h8km, 9km, n53, c086/61, mb3.5/4, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANKY Antikythira Is, KTHR Kythira, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CHMS Chumysh, MRKS Merke, etc.

IDC 28 02:37:40.9, 3.5, 4.46S, 153.20E, h0km, mb3.5/3, mb1.3/7.3, mb1mx3.4/43, mbrmp3.5/3, Error ellipse: s-maj=124.7km s-min=33.2km az=110.0, New Ireland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, H11S3 WAKE ISLAND Hy, etc.

SJA 28 03:13:03.1, 1.0, 32.67S, 69.91W, h119km, 6km, ML2.9, MW3.5, Mendoza Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AUSP Uspallata, ARCO CERRO ARCO, etc.

DDA 28 03:13:45.6, 38.68N, 43.72E, h7km, ML2.7, Error ellipse: s-maj=6.8km s-min=4.1km az=126.0, ISC 28 03:13:45.3, 38.63N, 43.71E, h15km, ML2.1/4, ISC 28 03:13:45.1, 1.4, 38.71N, 0.04, 43.71E, 0.05, h7km, 11km,

Table with columns: NVAR, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Mina Array Bea, Hansel Valley, Camas Ranch, etc.

Table with columns: PV19, BOZ, BOZ, East Wray Mesa, Nyswonger Mesa, Blue Mesa, Par, David Mesa, Paradox Valley, Saucer Basin, Wapato Valley, Waputki, Paradox Valley, Mesa Verde, etc.

Table with columns: MK32, GERES, KURKB, ZALV, HFS, SONAO, SONAI, WRA, etc. Includes detailed station information and coordinates.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like BHPL Bhopal, CHIRAH Chowk, NIL Nilore, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like GEYT Lanzhou, WSAR Wadi Serin, KURB Kurchatov Arra, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like CN2 comp=Z,1.0nm,10.0s, MMAIL comp=Z,2.00nm,10.0s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like SSB Saint Sauveur, EKA Eskaudmair Ar, etc.

ISCJB 28 06:01:34.6 0.0 60.95N 102.150 91W 0.03 h78km 2km, mb4.0/29, Error ellipse: s-maj=2.8km s-min=2.3km az=161.5

IDC 28 06:01:35.0 1.3 60.98N 151.30W, h65km 14km, mb3.6/14, m1 3.8/18, mb1mx3.5/79, mbtmp3.9/18, MS3.3/4, Ms1 3.3/4, ms1mx2.5/75, Error ellipse: s-maj=1.4/7km s-min=0.8/7km az=108.0

NEIC 28 06:01:36.0 0.0 60.98N 150.96W, h68km, mb4.2/15, ML3.9(AEIC), After AEIC.

NEIC Feit [IV] at Soldotna, [III] at Anchorage and [II] at Kenai. Also felt at Chugiak, Eagle River, Girdwood, Sterling and Willow.

ISC 28 06:01:36.3 0.0 70.94N 150.92W 0.03 h75km 6km, n143, s1946/177, mb4.2/29, Kenai Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like FIB Fire Island, RC01 Rabbit Creek A, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like CAST Cordova Ski Ar, EYAK Cordova Ski Ar, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like BVAR Borovoye Array, KURK Kurchatov, etc.

ISC 28 06:09:52.2 0.7 32.48N 46.97E, h0km 3km, ML3.1

CSEM 28 06:09:54.0 0.3 32.39N 46.96E, h10km, ML3.1, Error ellipse: s-maj=10.0km s-min=5.4km az=174.0

TEH 28 06:09:56.2 32.51N 47.13E, h18km, ML3.1, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like IKFM Kafa-mosalman, IKFM Kafa-mosalman, etc.

KRNET 28 06:12:05.9 0.1 39.09N 73.44E, mb3.1

NIC 28 06:12:05.9 0.1 39.20N 74.11E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=14.7km s-min=9.3km az=42.0

SOME 28 06:12:11.8 39.52N 73.93E, h25km

ISC 28 06:12:07.5 2.2 39.3N 01.7425E 0.04, h10km, n22, s191/39, 22C-10D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

28d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TUC Tucson, MSU Marysavel, DUG Dugway, etc.

MOS 28 07:08:35.5, 1.8, 52.56N, 159.79E, h46km, mb4.2/1, Error ellipse: s-maj=12.2km s-min=3.3km az=91.5

KRSC 28 07:08:35.5, 0.9, 52.56N, 159.79E, h46km, mb4.2/1, Error ellipse: s-maj=12.2km s-min=3.3km az=91.5

Off east coast of Kamchatka Peninsula

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TUMR Tumrok, SKR Severo-Kuril's, etc.

ISCJB 28 07:10:41.8, 0.4, 25.78N, 0.09, 45.02W, 0.08, h12km, mb4.0/21, MS3.7/3, Error ellipse: s-maj=12.9km s-min=9.7km az=156.9

ISC 28 07:10:41.5, 0.6, 25.79N, 45.15W, h0km, mb3.9/16, mb1.4/0.16, mb1mx3.8/66, mbtmp3.9/16, MS3.7/3, Ms1.3/7.3, ms1mx3.0/48, Error ellipse: s-maj=22.3km s-min=15.4km az=134.0

NEIC 28 07:10:43.4, 0.4, 25.80N, 45.02W, h10km, mb4.4/8, Error ellipse: s-maj=10.6km s-min=7.9km az=159.0

ISC 28 07:10:43.5, 0.6, 25.81N, 45.14W, 0.1, h12km, n43, 0.77/34, mb4.2/21, MS3.8/3, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STVI Saint Thomas, MTP Monte Pirata, etc.

ISC 28 07:58:11.2, 0.7, 38.51N, 40.58E, h4km, 1km, ML1.8/1, Error ellipse: s-maj=9.5km s-min=6.4km az=14.5

DDA 28 07:58:11.1, 38.51N, 40.64E, h6km, ML2.5, Error ellipse: s-maj=8.6km s-min=6.8km az=25.0

CSEM 28 07:58:11.3, 0.3, 38.48N, 40.57E, h12km, ML1.8, Error ellipse: s-maj=8.6km s-min=6.8km az=25.0

ISC 28 07:58:11.8, 1.0, 38.48N, 40.03, 40.61E, 0.03, h11km, 8km, n15, 0.1930/24, Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG Huatulco, VHO Vista Hermosa, etc.

ISC 28 08:10:40.9, 2.7, 12.13N, 92.59E, h0km, mb3.6/5, mb1.3/7.5, mb1mx3.4/66, mbtmp3.6/5, Error ellipse: s-maj=168.3km s-min=21.5km az=57.0

ISC/CJB 28 08:10:43.8, 0.8, 12.51N, 0.08, 93.2E, 0.2, h23km, mb3.6/5, Error ellipse: s-maj=22.3km s-min=9.0km az=19.6

ISC 28 08:10:45.5, 1.0, 12.44N, 0.1, 93.0E, 0.2, h23km, n6, 0.655/7, mb3.5/5, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PBA Port Blair, MKAR Makanchi Array, etc.

ISC 28 08:52:39.1, 0.8, 35.20N, 27.37E, h0km, mb3.8/14, mb1.3/8.2, mb1mx3.8/63, mbtmp3.8/20, ML3.4/5, MS2.9/8, Ms1.2/9.8, ms1mx2.6/63, Error ellipse: s-maj=16.8km s-min=12.7km az=166.0

MOS 28 08:52:41.9, 1.5, 35.02N, 27.42E, h33km, mb4.2/18, Error ellipse: s-maj=6.4km s-min=4.3km az=110.1

CSEM 28 08:52:41.5, 0.1, 35.11N, 27.55E, h10km, mb4.1/12, Error ellipse: s-maj=5.0km s-min=3.2km az=23.0

NEIC 28 08:52:41.2, 0.0, 35.13N, 27.55E, h17km, mb4.0/10, ML3.8(TH), ML3.8(ATH), After ATH.

ATH 28 08:52:41.3, 35.13N, 27.55E, h17km, 1km, ML3.8/6, Error ellipse: s-maj=2.3km s-min=0.8km az=336.0

THE 28 08:52:43.9, 35.23N, 27.50E, h0km, ML3.8/7, Error ellipse: s-maj=2.2km s-min=0.8km az=149.0

HLW 28 08:52:45.1, 34.84N, 27.71E, h17km, 6km, MD3.8, M14.2, GII 28 08:52:45.1, 0.4, 34.86N, 27.84E, h1km, MD3.4/2

DDA 28 08:52:45.6, 35.27N, 27.48E, h11km, M13.4, ISC 28 08:52:41.8, 0.8, 35.12N, 0.03, 27.52E, 0.2, h15km, 5km, n391, 0.195/449, mb4.1/30, MS3.2/5, 1C-1D, Dodecanese Islands

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like La Foliniere, Gorron, Sonseca Array, etc.

CSEM 28 09:01:48.8, 37.12N:27.94E, h24km, ML1.9, Suspected Mining explosion.

ISK 28 09:01:48.8, 37.12N:27.94E, h24km, ML1.9/4, Suspected Mining explosion, Turkey

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Milas, Yerkestik, Datca, Bodrum, etc.

ISCJB 28 09:02:15.8-0.9, 35.25N:0.07-102.68E:0.05, h10km, mb3.5/3, MS3.0/4, Error ellipse: s-maj=10.7km

IDC 28 09:02:16.5-7.9, 35.19N:102.53E, h0km, mb3.6/3, mb1 3.6/5, mb1mx3.6/68, mbtmp3.6/5, ML3.5/2, MS3.1/6, Ms1 3.2/6, ms1mx2.7/57, Error ellipse: s-maj=132.5km

BUI 28 09:02:19.9, 35.29N:102.56E, h8km, mb3.9/3, mb4.0/1, ML3.8/13, MS3.6/9, Ms7.3/4/8

ISC 28 09:02:18.1, 35.41N:102.66E:0.06, h10km, n14, c186B/16, mb3.6/3, MS3.0/4, Qinghai

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

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

MEX 28 09:08:34.1-0.5, 16.51N-98.58W, h5km, 6km, MD3.7, Near coast of Guerrero

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

MAN 28 09:46:44.5, 13.68N:120.59E, h96km, mb4.7, ML3.6, MS3.5, 1D, Mindoro

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

DJA 28 09:48:20.3-0.5, 1.14N:12.32E, h10km, M3.5/7, ML3.5/7, Minahassa Peninsula, Sulawesi

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

DJA 28 09:51:04.5-0.9, 10.53S:11.77E, h16km, 7km, M3.7/13, mb3.6/1, ML3.7/3, Sumbawa region

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

NIED 28 10:07:00.32:50N:140:30E, h23km, Mw3.8 Best double couple: Ms5.68000:1014 NP1:2219.00000:351.00000

IDC 28 10:07:40.5-1.1, 32.24N:140.07E, h0km, mb3.5/5, mb1 3.7/7, mb1mx3.5/69, mbtmp3.5/7, ML3.8/3, MS2.6/3, Ms1 2.6/3, ms1mx2.4/47, Error ellipse: s-maj=40.0km

JMA 28 10:07:45.8-0.1, 32.33N:140:26E, h37km, 4km, M3.7, n36, c1879/39, mb3.4/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like JAOM, JHCJ, JHJ2, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like H11S2, MKAR, KURBB, etc.

BER 28 10:14:40.2-4.5, 80.04N:3.59E, h10km, ML3.7, ML4.2(NAO)

MOS 28 10:14:42.7-1.4, 79.54N:3.50E, h10km, mb4.6/35, Error ellipse: s-maj=34.5km s-min=5.4km az=95.1

IDC 28 10:14:43.3-0.5, 79.68N:3.84E, h0km, mb4.0/24, mb1 4.1/30, mb1mx4.0/76, mbtmp4.0/30, ML3.4/5, MS3.9/52, Ms1 3.9/52, ms1mx3.8/71, Error ellipse: s-maj=13.7km

BUI 28 10:14:44.4, 4.79:93N:4.90E, h12km, mb4.7/29, mb4.9/18, Ms4.7/17, Ms7.4/4/17

NEIC 28 10:14:45.6-0.2, 79.67N:4.38E, h10km, mb4.6/51, Error ellipse: s-maj=7.7km s-min=3.5km az=60.0

CSEM 28 10:14:45.0-0.1, 79.66N:4.51E, h10km, mb4.6/58, Error ellipse: s-maj=7.6km s-min=4.1km az=52.0

NAO 28 10:14:45.1-3.4, 79.54N:4.71E, ML4.2, GCMT 28 10:14:45.6-0.3, 79.78N:3.03E, h16km, 1km, MW4.8/82, Moment Tensor Solution. s23,c25; s82,c120; Duration: 0

Moment Tensor Scale: 1016N; Mr-0.44; 0.9; Mw-1.69; 0.27; Ms-2.13; 0.08; M-0.34; 2.1; Mw-0.46; 0.6; Mw-1.40; 2.6; Best double couple: M2.29700:1016 NP1:220.00000:382.00000:154.00000: NP2: c122.00000:365.00000:1.9.00000: Principal axes: T 2.8156, Plg24.0000, Azm82.0000, N-1.0330, Plg63.0000, Azm291.0000; P-1.7800, Plg12.0000, Azm177.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 28 10:14:44.6-0.8, 79.48N:0.04:3.81E:0.04, h6km, 4km, n269, c2838/250, mb4.5/108, MS3.9/60, 4C-2D, Greenland Sea

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

Table with columns for station name, frequency, power, and signal strength. Includes stations like BORG, ILULI, AKN, DOMB, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like KIEV, INK, VRAC, VRAC, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like KDAK, KDAK, MK31, MK31, etc.

Table with columns: MIAR, Mount Ida, 57.63 284 eP, P, 10 24 33.0 -2.0, etc. Lists various stations and their coordinates.

ISCJCB 28 10:29:00.20.6, 44.43N, 0.10:141.3E, 0.1, h261km, mb3.2/2, Error ellipse: s-maj=14.2km s-min=9.7km az=27.7

JMA 28 10:29:01.4.0.4, 44.36N, 140.96E, h245km, 4km, M2.9, IDC 28 10:29:02.8.2.4, 44.18N, 140.94E, h230km, 44km, mb3.0/2, mb1 3.2/3, mb1mx2.7/68, mbtmbp3.6/3, Error ellipse: s-maj=19.3km s-min=26.6km az=16.0

ISC 28 10:29:01.3.1.1, 44.40N, 0.10:141.20E, 0.08, h261km, n15, <2517/19, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists station codes and names.

WEL 28 10:40:39.3, 38.58N, 180W, h33km, ML3.5/18, East of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists station codes and names.

Table with columns: ARHZ, Aropoanui, 2.96 239 P, Pn, 10 41 26.6 +2.7, etc. Lists station codes and names.

BUI 28 11:23:40.9, 81.30N, 4.00W, h10km, mb4.8/49, mb5.0/36, Ms4.7/31, Ms7.4/53/1

MOS 28 11:23:41.7, 1.0, 81.29N, 3.98W, h10km, mb5.1/87, MS4.0/27, Error ellipse: s-maj=29.0km s-min=4.6km az=94.0

CSEM 28 11:23:41.9, 0.1, 81.35N, 3.75W, h2km, mb5.0/99, Error ellipse: s-maj=3.7km s-min=2.0km az=34.0

ISCJCB 28 11:23:41.7, 0.1, 81.29N, 0.02:4.30W, 0.09, h10km, mb4.9/364, MS4.1/83, Error ellipse: s-maj=2.8km s-min=1.7km az=22.2

IDC 28 11:23:41.8, 0.3, 81.32N, 4.25W, h0km, mb4.4/45, mb1 4.5/48, mb1mx4.5/72, mbtmbp4.4/48, ML4.4/2, MS4.1/62, Ms1.4/162, ms1mx4.0/73, Error ellipse: s-maj=10.0km s-min=7.6km az=34.0

GCMT 28 11:23:43.8, 0.2, 81.31N, 4.18W, h12km, MW5.0/97, Moment Tensor Solution, s40, c58; s97, c157; Duration: 0 Moment tensor: Scale 10^16Nm; Mr: 3.18; 10; Mw: 0.94; 12; Mw: 4.13; 07; Mw: 0.29; 37; Mw: 0.37; 08; Mw: 2.03; 25; Best double couple: Ms4.20400x10^16 NPT: s=181.00000; 331.00000; -3.950000; Principal axes: T: 4.6890, Plg15.0000; Azm95.0000; N: -0.9650, Plg3.0000; Azm185.0000; P: -3.7190, Plg75.0000; Azm285.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 28 11:23:43.8, 0.1, 81.29N, 3.97W, h10km, mb5.0/271 Error ellipse: s-maj=3.3km s-min=2.0km az=216.0

BER 28 11:23:46.1, 3.3, 81.23N, 0.86W, h10km, mb5.1, mb5.0(NEIC)

ISC 28 11:23:43.4, 0.5, 81.28N, 0.04:4.13W, 0.03, h11km, 2km, n11km, P-P, n1048, e1945/1062, mb5.0/373, MS4.1/84, 28C-8D, North of Svalbard

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists station codes and names.

Table with columns: ILULI, comp=Z, 72nm, 1.2s, pmax, pmax, 11 27 29.3 -4.4, etc. Lists station codes and names.

28d 11h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like A33A Warroad, MAK Makhachkala, C40A Isle Royale Na, etc.

2012 JUL

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like EGMT Eagleton, EGMT Eagleton, ISP Isparta, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like J37A Redenius Farm, L47A Sherwood, ECSD EROS Data Cent, etc.

comp=Z,18nm,0.9s					
M36A Felix, Anita	49.42 278	P	P	11 32 32.8	0.0
baz=12					
M40W Merguake, Sal	49.49 275	P	P	11 32 33.1	-0.1
baz=12					
N00V Moose Ponds	49.51 294	eP	P	11 32 31.2	-2.4
comp=Z,14nm,1.1s					
O45A Potomac	49.53 271	P	P	11 32 33.6	+0.1
baz=11					
P50A Jamestown	49.56 267	P	P	11 32 34.3	+0.6
baz=11,SNR=6.9					
LOHW Long Hollow	49.62 294	eP	P	11 32 35.2	+0.7
comp=Z,13nm,1.1s					
N39A Derby Farms, D	49.64 276	P	P	11 32 34.5	+0.2
baz=12					
N39A Derby Farms, D	49.64 276	eP	P	11 32 34.5	+0.2
comp=Z,19nm,0.8s					
FXWY Fox Creek	49.65 294	eP	P	11 32 35.9	+1.2
comp=Z,17nm,1.1s					
KSH Kashi	49.71 93	P	P	11 32 36.5	+1.4
KSH		sP	sP	11 32 44.0	+4.2
KSH		ePcP	ePcP	11 33 57.5	+1.5
KSH		PP	PP	11 34 33.0	+3.7
KSH		S	S	11 39 42.0	-0.8
KSH		ScS	ScS	11 42 23.0	-3.2
KSH		pmax	pmax		
comp=Z,15nm,1.5s			pmax	pmax	
KSH	comp=Z,100nm,4.7s		LR	LR	
KSH	comp=Z,280nm,12.3s		LR	LR	
KSH	comp=Z,730nm,16.9s		LR	LR	
KSH	comp=Z,420nm,23.3s				
G03D McMinville, O	49.72 306	P	P	11 32 34.6	-0.3
baz=10					
O43A Sugar Creek Fa	49.73 273	P	P	11 32 35.5	+0.4
baz=11					
O44A Mansfield	49.73 272	P	P	11 32 35.3	+0.2
baz=11					
P49A Miami Univ. Ec	49.77 268	P	P	11 32 35.6	+0.2
baz=11					
SNOW Snow King Moun	49.79 294	eP	P	11 32 37.1	+1.3
comp=Z,17nm,0.8s					
TPAW Teton Pass	49.79 294	eP	P	11 32 36.0	+0.2
comp=Z,20nm,1.2s					
N38A Joes South For	49.83 277	P	P	11 32 36.4	+0.6
baz=11					
REDW Red Top Meadow	49.90 294	eP	P	11 32 37.6	+0.9
comp=Z,18nm,1.1s					
P48A Milroy	49.95 269	P	P	11 32 37.0	+0.3
baz=11					
CBN Corbin Frederi	49.96 260	P	P	11 32 37.1	+0.3
baz=11					
BGNE Belgrade	49.97 281	P	P	11 32 35.7	-1.3
baz=11					
K22A Casper	49.98 290	P	P	11 32 36.8	-0.4
baz=11,SNR=12					
K22A Casper	49.98 290	eP	P	11 32 36.7	-0.4
comp=Z,17nm,0.8s					
Q51A Peebles	50.06 266	P	P	11 32 38.2	+0.6
baz=11					
P46A Rosedale	50.07 270	P	P	11 32 37.8	+0.1
baz=11					
N36A Muff Farm, Cla	50.07 278	P	P	11 32 37.8	+0.1
baz=11					
O41A Passleys Farm,	50.14 274	P	P	11 32 38.1	0.0
baz=11					
CVRD Centerville Ro	50.16 261	eP	P	11 32 39.7	+1.4
comp=Z,19nm,1.0s					
HLID Hailey	50.19 297	P	P	11 32 38.6	-0.2
baz=11					
HLID Hailey	50.19 297	eP	P	11 32 39.1	+0.3
comp=Z,11nm,1.2s					
P45A Graceland, Par	50.24 271	P	P	11 32 39.1	+0.2
baz=11					
P45A Graceland, Par	50.24 271	eP	P	11 32 42.9	+4.0
comp=Z,18nm,1.0s					
O39A Kirksville	50.26 276	P	P	11 32 39.2	+0.1
baz=11					
O40A La Belle	50.28 275	P	P	11 32 39.2	-0.1
baz=11					
BW06 Boulder Array	50.30 293	P	P	11 32 39.6	-0.1
baz=11					
BW06 Boulder Array	50.30 293	eP	P	11 32 40.5	+0.8
comp=Z,15nm,1.4s					
PD31 Pinedale Array	50.30 293	eP	P	11 32 41.0	+1.3
PDAR Pinedale Array	50.30 293	P	P	11 32 40.3	+0.6
comp=Z,0.7nm,0.6s,baz=21,slow=4.9,SNR=8.8					
PDAR	comp=Z,786nm,18.9s,baz=14,slow=36	LR	LR	11 54 11.5	
PDAR Pinedale Array	50.30 293	eP	P	11 32 38.7	-0.9
Q49A Aurora	50.31 268	P	P	11 32 39.6	+0.1
baz=11					
Q50A Georgetown	50.33 267	P	P	11 32 39.9	+0.2
baz=11					
I05D Terrebonne, OR	50.34 304	P	P	11 32 39.4	-0.3
baz=10					
COR Corvallis	50.34 306	eP	P	11 32 41.2	+1.6
comp=Z,29nm,1.2s					
COR Corvallis	50.34 306	eP	pmax	11 32 41.2	+1.6
comp=Z,29nm,1.2s					
P43A Skaggs, Pawnee	50.40 273	P	P	11 32 40.2	0.0
comp=Z,29nm,1.2s					
P44A Sand Creek, Wi	50.43 272	P	P	11 32 40.9	+0.6
baz=11					
Q48A North Vernon	50.52 269	P	P	11 32 41.2	+0.2
baz=11					
AHID Auburn Hatcher	50.52 294	eP	P	11 32 42.4	+1.1
comp=Z,13nm,1.0s					
O38A Galt	50.53 277	P	P	11 32 41.0	-0.1
baz=11					
MFID Camas Ranch	50.53 299	eP	P	11 32 41.0	-0.3
comp=Z,7.2nm,1.0s					
P42A Winchester	50.58 273	P	P	11 32 41.2	-0.3
baz=11					
P42A Winchester	50.58 273	eP	P	11 32 45.1	+3.6
comp=Z,28nm,1.5s					
O37A Wolfen Farm, M	50.59 277	P	P	11 32 41.5	-0.1
baz=11					
MMAI Mount Meron Ar	50.59 136	P	P	11 32 42.8	+1.0
comp=Z,1.5nm,0.5s,baz=35,slow=8.8,SNR=5.0					
MMAI		LR	LR	11 56 03.9	
comp=Z,37nm,18.7s,baz=180,slow=38					
P41A Barry, Barry	50.60 274	P	P	11 32 41.7	0.0
baz=11					
Q47A Bedord North L	50.62 269	P	P	11 32 42.1	+0.4
baz=11					
R52A Catlettsburg	50.62 266	P	P	11 32 42.4	+0.5
baz=11					
R51A Hillsboro	50.80 266	P	P	11 32 43.5	+0.3
baz=11					
PINE Pine Mountain	50.83 304	eP	P	11 32 45.2	+1.7
comp=Z,14nm,1.3s					
P40A Paris	50.89 275	P	P	11 32 43.2	-0.7
baz=11					
Q45A Warren Harvey,	50.92 271	P	P	11 32 44.4	+0.3
baz=11					
J08A Circle Bar Ran	50.93 301	eP	P	11 32 46.0	+1.7
comp=Z,10nm,0.9s					
R50A Paris	50.94 267	P	P	11 32 44.5	+0.3
baz=11					
OGNE Ogallala	51.00 285	P	P	11 32 44.8	0.0
baz=11					
OGNE Ogallala	51.00 285	eP	P	11 32 48.5	+3.7
comp=Z,62nm,1.1s					
I04A Tendick Farm,	51.01 305	P	P	11 32 44.4	-0.4
baz=9.9					
P38A Dawn	51.02 277	P	P	11 32 44.7	-0.1
baz=11					
P38A Dawn	51.02 277	eP	P	11 32 44.7	-0.1
comp=Z,18nm,1.0s					
RWWY Rawlins	51.03 290	eP	P	11 32 44.4	-0.8
comp=Z,23nm,1.0s					
P39B Salisbury	51.04 276	P	P	11 32 44.7	-0.3
baz=11					
Q44A Meyer Farm, Va	51.04 272	P	P	11 32 44.8	-0.2
baz=11					
R48A Northridge Ran	51.05 269	P	P	11 32 45.5	+0.4
baz=11					
R49A Shelbyville	51.05 268	P	P	11 32 45.7	+0.6
baz=11					
Q43A New Douglas	51.11 273	P	P	11 32 45.9	+0.4
baz=11					
P37A Lathrop	51.18 277	P	P	11 32 46.1	0.0
baz=11					

I03D Drain, OR	51.22 306	P	P	11 32 46.3	0.0
baz=9.8					
R47A Wooly Knot Far	51.26 269	P	P	11 32 46.9	+0.2
baz=11					
Q42A Golden Eagle	51.27 273	P	P	11 32 46.7	0.0
baz=11					
WCJ Wyandotte Cave	51.29 269	P	P	11 32 47.4	+0.5
baz=11					
Q41A Truxton	51.33 274	P	P	11 32 47.2	0.0
baz=11					
SS2A Salyersville	51.34 266	P	P	11 32 47.8	+0.5
baz=11,SNR=6.5					
J05D Fort Rock, OR	51.36 304	P	P	11 32 47.6	+0.1
baz=11,SNR=16					
BLA Blacksburg	51.39 263	P	P	11 32 48.2	+0.5
baz=11					
BLA Blacksburg	51.39 263	eP	P	11 32 48.5	+0.8
comp=Z,52nm,0.9s					
BLA Blacksburg	51.39 263	eP	P	11 32 48.5	+0.8
comp=Z,52nm,0.9s			pmax	pmax	
Q40A Laux Farm, Aux	51.42 275	P	P	11 32 47.5	-0.3
baz=11					
SS1A Beattyville	51.45 266	P	P	11 32 48.2	+0.1
baz=11					
SS1A Beattyville	51.45 266	eP	P	11 32 48.3	+0.2
comp=Z,13nm,0.8s					
R46A Gibon Southern	51.49 270	P	P	11 32 48.1	-0.2
baz=11					
Q39A Willow Grove F	51.51 276	P	P	11 32 48.3	-0.2
baz=11,SNR=6.2					
J04D Umpqua Nationa	51.52 304	P	P	11 32 48.2	-0.5
baz=9.8					
R45A Skylar, Fairfi	51.53 271	P	P	11 32 48.9	+0.3
baz=11					
SS0A Richmond	51.54 267	P	P	11 32 48.9	+0.2
baz=11,SNR=8.4					
S49A Springfield	51.57 268	P	P	11 32 49.0	+0.1
baz=11					
ASF Jabal al Asfar	51.59 135	P	P	11 32 50.4	+1.1
comp=Z,3.8nm,0.5s,baz=324,slow=1,SNR=3.2					
N23A Red Feather La	51.62 289	eP	P	11 32 50.2	-0.5
baz=11,SNR=19					
N23A Red Feather La	51.62 289	eP	P	11 32 50.4	+0.7
comp=Z,32nm,1.1s					
Q38A Coo Store, C	51.69 276	P	P	11 32 49.4	-0.4
baz=11					
R44A Waltonville	51.69 272	P	P	11 32 50.1	+0.2
baz=11					
HWUT Hanware Ranch	51.72 294	eP	P	11 32 50.7	+0.4
comp=Z,16nm,1.1s					
R43A Red Bud	51.80 273	P	P	11 32 50.7	+0.1
baz=11					
S48A Wiedeman Farm,	51.81 269	P	P	11 32 51.0	+0.2
baz=11					
K05A Summer Lake	51.87 303	eP	P	11 32 53.4	+2.0
comp=Z,45nm,1.4s					
T52A Halle	51.88 266	P	P	11 32 51.7	+0.3
baz=11					
Q37A Longview Farm,	51.90 277	P	P	11 32 51.3	-0.1
baz=11					
R42A Luebering	51.92 274	P	P	11 32 51.1	-0.5
baz=11					
MDJ Mudanjiang	51.95 41	P	P	11 32 48.5	-3.2
comp=Z,18nm,1.0s			pmax	pmax	
MDJ	comp=Z,120nm,3.3s		pmax	pmax	
R41A Rosebud	52.00 274	P	P	11 32 51.5	-0.6
baz=11					
S47A Hartford	52.00 270	P	P	11 32 51.7	-0.5
baz=11					
KSU1 Kansas State U	52.00 279	P	P	11 32 51.7	-0.5
baz=11					
KSU1 Kansas State U	52.00 279	eP	P	11 32 56.1	+3.9
comp=Z,62nm,1.5s					
S46A Don Dixon Farm	52.04 270	P	P	11 32 52.1	-0.3
comp=Z,12nm,1.2s					
K04D Chiloquin, OR	52.08 304	P	P	11 32 51.8	-1.0
baz=9.8					
R40A Maddies Statio	52.14 275	P	P	11 32 52.8	-0.3
baz=11,SNR=11					
R40A Maddies Statio	52.14 275	eP	P</		

28d 11h

W50A	Signal Mountai baz=11	54.10 267	P	P	11 33 06.9	-0.8
W50A	Signal Mountai comp=Z,12nm,0.9s baz=11	54.10 267	eP	P	11 33 07.8	+0.1
U40A	Yellville baz=11	54.12 275	P	P	11 33 06.9	-1.0
SWET	Sewanee comp=Z,7.1nm,0.8s baz=11	54.18 268	eP	P	11 33 09.4	+1.1
U39A	Green Forest baz=11,SNR=6.1	54.19 276	P	P	11 33 07.4	-1.0
W49A	Beldivere baz=11	54.38 266	P	P	11 33 08.1	-1.2
PV22	Blue Mesa, Par comp=Z,2.7nm,1.1s	54.35 291	eP	P	11 33 10.4	+0.7
PV21	Cone Mtn., Par comp=Z,2.6nm,0.9s	54.35 291	eP	P	11 33 10.6	+0.8
HHAR	Hobbs comp=Z,10.0nm,1.0s	54.36 276	eP	P	11 33 08.7	-0.9
O03D	Paynes Creek baz=9.5,SNR=6.8	54.38 304	eP	P	11 33 08.8	-0.9
JSC	Jenkinsville comp=Z,2.0nm,0.9s	54.39 263	eP	P	11 33 10.6	+0.8
JSC	Jenkinsville comp=Z,2.1nm,0.9s	54.40 270	P	P	11 33 09.3	-0.6
W47A	Westpoint baz=11	54.41 269	P	P	11 33 09.1	-0.9
W48A	Pulaski baz=11	54.41 269	P	P	11 33 09.1	-0.9
PV09	Paradox Valley baz=11,SNR=12	54.43 291	eP	P	11 33 08.5	-1.9
V42A	Paradox Valley comp=Z,4.1nm,1.0s	54.44 274	P	P	11 33 09.7	-0.5
PV23	Carpenter Ridg comp=Z,4.1nm,1.0s	54.46 291	eP	P	11 33 11.4	+0.8
X52A	Dahlonega baz=11	54.48 266	P	P	11 33 10.0	-0.5
X53A	Estanollee baz=11	54.48 265	P	P	11 33 10.1	-0.4
PV14	Lion Creek, Pa comp=Z,6.0nm,1.2s	54.54 291	eP	P	11 33 12.0	+0.8
PV12	Saucer Basin comp=Z,5.5nm,1.3s	54.56 291	eP	P	11 33 12.2	+0.9
PV20	West Nyswonger comp=Z,2.2nm,1.0s	54.56 291	eP	P	11 33 12.4	+1.1
V41A	Mountainview baz=11	54.58 274	P	P	11 33 10.3	-0.9
PV16	Nyswonger Mesa comp=Z,4.8nm,1.2s	54.59 291	eP	P	11 33 12.3	+0.9
HODGE	Hodges comp=Z,1.9nm,1.0s	54.59 264	eP	P	11 33 11.7	+0.4
PV11	David Mesa, Pa comp=Z,5.0nm,1.2s	54.59 291	eP	P	11 33 12.4	+0.9
PV19	Morning Glory comp=Z,5.1nm,1.3s	54.59 291	eP	P	11 33 12.1	+0.6
PV17	East Wray Mesa comp=Z,3.0nm,0.9s	54.62 291	eP	P	11 33 12.6	+0.9
PV03	Paradox Valley baz=11	54.63 291	eP	P	11 33 12.2	+0.5
W46A	Michie baz=11	54.64 270	P	P	11 33 12.0	+0.4
PAHR	Pah Rah Range comp=Z,1.2nm,1.3s	54.65 301	eP	P	11 33 13.0	+1.2
PV18	Skein Mesa, Pa comp=Z,3.8nm,1.2s	54.65 291	eP	P	11 33 12.8	+0.9
SDCO	Great Sand Dun baz=10,SNR=24	54.65 288	P	P	11 33 11.7	-0.3
SDCO	Great Sand Dun comp=Z,1.6nm,0.9s	54.65 288	eP	P	11 33 12.3	+0.3
V40A	Witts Springs baz=11	54.66 275	eP	P	11 33 11.0	-0.8
V40A	Witts Springs comp=Z,6.5nm,0.8s	54.66 275	eP	P	11 33 11.0	-0.8
X51A	Calhoun baz=11	54.66 267	P	P	11 33 11.4	-0.4
PV02	Paradox Valley comp=Z,2.2nm,1.0s	54.66 291	eP	P	11 33 13.0	+1.0
PV13	Radium Mtn., P comp=Z,6.0nm,1.2s	54.72 291	eP	P	11 33 13.2	+0.8
PLAL	Pickwick Lake comp=Z,1.1nm,1.1s	54.74 270	eP	P	11 33 13.1	+0.7
V39A	Pettigrew baz=11	54.75 276	P	P	11 33 11.8	-0.7
S22A	4UR Ranch, Cre baz=10,SNR=15	54.84 289	P	P	11 33 13.0	-0.4
S22A	4UR Ranch, Cre comp=Z,1.4nm,0.9s	54.84 289	eP	P	11 33 14.2	+0.8
MSU	Marysvalle baz=11	54.85 294	eP	P	11 33 14.7	+1.3
MSU	Marysvalle comp=Z,1.4nm,0.9s	54.85 294	eP	P	11 33 14.7	+1.3
X50B	Fort Payne baz=11	54.88 268	P	P	11 33 12.7	-0.7
X49A	Woodville baz=11	54.93 268	P	P	11 33 13.2	-0.5
TUL1	Leonard baz=11	55.01 278	P	P	11 33 13.5	-0.8
TUL1	Leonard comp=Z,1.8nm,1.1s	55.01 278	eP	P	11 33 16.2	+1.9
Y54A	Tignall baz=10	55.02 264	P	P	11 33 14.6	+0.2
NIL	Nilore comp=Z,1.2nm,1.1s	55.05 97	P	P	11 33 15.5	+0.9
NIL	Pine Spring comp=Z,8.3nm,0.9s	55.06 296	eP	P	11 33 15.9	+1.0
PSUT	Woolly Hollow comp=Z,3.4nm,1.6s	55.08 274	eP	P	11 33 14.5	-0.3
T25A	Trinidad baz=10	55.08 286	P	P	11 33 14.7	-0.4
T25A	Trinidad comp=Z,1.5nm,1.1s	55.08 286	eP	P	11 33 15.2	+0.1
VNCR	Virginia City comp=Z,2.4nm,1.1s	55.09 301	eP	P	11 33 16.2	+1.2
X48A	Hartselle baz=11	55.10 269	P	P	11 33 14.3	-0.6
KVN	Kaiserville comp=Z,1.1nm,1.3s	55.12 300	eP	P	11 33 16.0	+0.7
KVN	Kaiserville comp=Z,2.1nm,1.3s	55.12 300	eP	P	11 33 16.0	+0.7
Y53A	Monroe baz=10	55.16 265	P	P	11 33 14.9	-0.5
X47A	Russelville baz=11,SNR=8.0	55.19 274	P	P	11 33 14.8	-0.6
W41B	Gary Mavity, V baz=11	55.19 274	P	P	11 33 14.8	-0.6
Y52A	Liburn baz=10	55.23 266	P	P	11 33 15.4	-0.4
Y52A	Liburn comp=Z,2.0nm,0.9s	55.23 266	eP	P	11 33 16.5	+0.6
X46A	Booneville baz=11	55.24 271	P	P	11 33 15.3	-0.6
PNTR	Pine Nut comp=Z,1.9nm,0.9s	55.28 301	eP	P	11 33 17.7	+1.2
W40A	Ferguson Farm, baz=11	55.30 275	P	P	11 33 15.7	-0.6
YERR	Yerington comp=Z,1.4nm,1.1s	55.34 301	eP	P	11 33 18.1	+1.2
Y51A	Rockmart baz=10	55.34 267	P	P	11 33 16.3	-0.5
NHSC	New Hope baz=10	55.38 262	P	P	11 33 16.6	-0.4
W39A	Magazine baz=11	55.40 276	P	P	11 33 16.4	-0.7
OXF	Oxford baz=11	55.41 271	P	P	11 33 16.7	-0.4
OXF	Oxford comp=Z,1.2nm,0.8s	55.41 271	eP	P	11 33 16.4	-0.7
OXF	Oxford comp=Z,1.2nm,0.8s	55.41 271	eP	P	11 33 16.4	-0.7
Y50A	Piedmont baz=10	55.45 268	P	P	11 33 17.1	-0.4
R11A	Troy Canyon, C baz=9.9,SNR=14	55.48 297	P	P	11 33 17.4	-0.4
R11A	Troy Canyon, C comp=Z,6.7nm,0.9s	55.48 297	eP	P	11 33 18.1	+0.2
X45A	UM Field Stati baz=11	55.49 271	P	P	11 33 17.4	-0.3
GOGA	Godfrey baz=10	55.58 265	P	P	11 33 18.1	-0.3
GOGA	Godfrey comp=Z,1.8nm,0.9s	55.58 265	eP	P	11 33 18.9	+0.5
GOGA	Godfrey comp=Z,1.8nm,0.9s	55.58 265	eP	P	11 33 18.9	+0.5
Y49A	Blount Mountai baz=10	55.59 268	P	P	11 33 18.7	+0.2
RYN	Ryan baz=10	55.59 300	eP	P	11 33 19.7	+1.0

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AFDM	Forest Hills D comp=Z,2.4nm,1.4s	55.60 303	eP	P	11 33 18.8	+0.2
MVCO	Mesa Verde baz=11,SNR=6.5	55.61 290	P	P	11 33 18.0	-0.9
MVCO	Mesa Verde comp=Z,2.2nm,1.1s	55.61 290	eP	P	11 33 20.1	+1.2
X43A	Marvell baz=11	55.62 273	P	P	11 33 18.5	-0.2
Y48A	Jasper baz=10	55.65 269	P	P	11 33 18.5	-0.4
Z54A	Sparta baz=10	55.66 265	P	P	11 33 18.4	-0.5
ERM	Erimo comp=Z,3.2nm,1.1s	55.71 29	iP	P	11 33 18.7	-0.5
ERM	Erimo	55.71 29	iP	P	11 33 18.7	-0.5
Z53A	Monticello baz=11,SNR=6.6	55.72 265	P	P	11 33 19.0	-0.4
NV11	Mina Array Sit comp=Z,0.6nm,0.9s	55.74 300	eP	P	11 33 20.0	+0.3
NV01	Mina Array Sit comp=Z,0.6nm,0.9s	55.76 300	eP	P	11 33 20.0	+0.1
NVAR	Mina Array Bea comp=Z,3.3nm,0.9s,baz=12,slow=36	55.76 300	eP	P	11 33 20.6	+0.6
NVAR	Mina Array Bea	55.76 300	eP	P	11 33 20.6	+0.6
Y47A	UCPARC, Winfie baz=10	55.77 270	P	P	11 33 19.0	-0.8
WAKR	Wakarusa comp=Z,1.1nm,1.4s	55.84 301	eP	P	11 33 21.6	+1.1
X41A	Kaden, Bauxite baz=11	55.90 274	P	P	11 33 20.1	-0.5
PKCU	Pine Cliffs comp=Z,6.5nm,1.3s	55.91 294	eP	P	11 33 23.1	+1.9
Y46A	Houston baz=10	55.94 271	P	P	11 33 20.4	-0.6
Z52A	Williamson baz=10	55.94 266	P	P	11 33 20.8	-0.2
X40A	Basin Creek Fa baz=10	55.95 275	P	P	11 33 20.8	-0.3
CCUT	Cedar City comp=Z,1.2nm,1.3s	55.96 295	eP	P	11 33 22.4	+1.1
MIAR	Mount Ida baz=10,SNR=8.6	56.01 275	eP	P	11 33 21.6	+0.1
MIAR	Mount Ida comp=Z,6.6nm,1.8s	56.01 275	eP	P	11 33 21.5	+0.1
MIAR	Mount Ida	56.01 275	eP	P	11 33 21.5	+0.1
Y45A	Yeager Farm, C baz=10	56.06 271	P	P	11 33 21.4	-0.4
Y44A	Strider, Charl baz=10	56.07 272	P	P	11 33 21.6	-0.2
Z50A	Ashland baz=10	56.11 268	P	P	11 33 21.8	-0.4
Z50A	Ashland comp=Z,7.4nm,0.9s	56.11 268	eP	P	11 33 21.3	-0.9
X39A	Fountain Ranch baz=10	56.12 276	P	P	11 33 22.0	-0.3
155A	Kite baz=10	56.20 264	P	P	11 33 22.5	-0.3
Y43A	Makayla and Ka baz=10	56.23 273	P	P	11 33 22.6	-0.4
Z48A	Northport baz=10	56.24 269	P	P	11 33 22.6	-0.5
Z49A	Columbiana baz=10	56.26 268	P	P	11 33 22.7	-0.6
154A	Montrose baz=10	56.31 265	P	P	11 33 23.5	-0.1
153A	Fort Valley baz=10	56.38 265	P	P	11 33 24.3	+0.2
KNB	Kanab comp=Z,2.5nm,1.2s	56.41 294	eP	P	11 33 25.7	+1.2
KNB	Kanab	56.41 294	eP	P	11 33 25.7	+1.2
KNB	Kanab	56.41 294	eP	P	11 33 25.7	+1.2
LCMT	Little Creek M comp=Z,1.4nm,1.1s	56.47 295	eP	P	11 33 26.2	+1.2
Y40A	Okolona baz=10	56.48 275	P	P	11 33 23.6	-1.2
LRAL	Lakeview Retre baz=10	56.49 269	P	P	11 33 24.8	-0.1
Z47A	Carlilton baz=10	56.49 270	P	P	11 33 24.2	-0.7
152A	Waverly Hall baz=10	56.50 266	P	P	11 33 24.7	-0.2
152A	Waverly Hall comp=Z,5.9nm,1.1s	56.50 266	eP	P	11 33 26.2	+1.2
Y41A	Eaglette Beard baz=10	56.51 274	P	P	11 33 24.5	-0.6
WMOK	Wichita Mounta baz=10,SNR=21	56.60 281	P	P	11 33 25.8	0.0
WMOK	Wichita Mounta comp=Z,3.6nm,1.4s	56.60 281	eP	P	11 33 26.0	+0.3
WMOK	Wichita Mounta comp=Z,3.6nm,1.4s	56.60 281	eP	P	11 33 26.0	+0.3
MLAC	Mammoth, Mammo baz=9.5	56.62 300	P	P	11 33 25.2	-0.9
MDPB	Devils Postpil comp=Z,9.8nm,1.0s	56.65 300	eP	P	11 33 27.9	+1.6
OMMB	Old Mammoth M comp=Z,1.0nm,1.1s	56.66 300	eP	P	11 33 28.2	+1.8
151A	Opelika baz=10	56.73 267	P	P	11 33 26.4	-0.2
150A	Eclectic baz=10	56.76 268	P	P	11 33 26.6	-0.2
Z44A	Pea Ridge, Bel baz=10	56.77 272	P	P	11 33 26.6	-0.3
149A	Jones baz=10	56.88 268	P	P	11 33 27.3	-0.4
AMTX	Amarillo baz=10	56.90 283	P	P	11 33 27.3	-0.6
AMTX	Amarillo comp=Z,1.0nm,0.8s	56.90 283	eP	P		

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 Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine, 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 Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

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Table with columns: ID, Name, Az, El, P, S, Az, El, P, S. Rows include V49A McMinhville, V48A Smith Brothers, V48A Smith Brothers, U50A Jamestown, V47A Nunnally, T51A Gray, V46A Holladay, U49A Red Boiling Sp, U48A Cassie Pea, Po, WVT Waverly, WVT Waverly, T50A Nancy, U47A Clarksville, T49A Edmonton, T49A Edmonton, MIAR Mount Ida, T48A Bowling Green, W41B Gary Maivity, T47A Sharon Grove, T47A Sharon Grove, X39A Fountain Ranch, T46A Princeton, S49A Springfield, TXAR Lajitas Array, TXAR Wiedeman Farm, V41A Mountainview, S47A Hartford, W39A Magazine, U42A Reviden, R49A Shelbyville, V40A Witts Springs, PBMO Poplar Bluff, S46A Don Dixon Farm, U41A Viola, WC1 Wyandotte Cave, Q50A Georgetown, T43A Greenville, S45A Carrier Mills, V39A Pettigrew, R47A Woolly Knot Far, U40A Yellville, T42A Van Buren, T42A Van Buren, T42A SIUC, SIUC Southern Illin, SIUC Fulton Ridge, Q48A North Vernon, T41A Mountain View, U39A Green Forest, R45A Skyler, Fairir, Q47A Bedord North L, S42A Caledonia, T40A Mansfield, FVM French Village, P48A Milroy, S41A Jilico Farms, Q45A Warren Harvey, P47A Martinsville, CCM Cathedral Cave, S40A Lebanon, R42A Luebbing, T38A Diamond, R41A Rosebud, S39A Bolivar, S39A Bolivar, S38A Stockton, R40A Maddies Statio, R40A Maddies Statio, Q42A Golden Eagle, O47A Sheridan, Q41A Truxton, R39A Chumby, Stover, P43A Skaggs, Pawnee, SFIN Lafayette, O45A Potomac, P42A Winchester, P42A Winchester, Q40A Laux Farm, P41A Barry, Barry, Q39A Willow Grove F, P40A Paris, Q38A Cooks Store, C, O41A Passleys Farm,

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S. Rows include P39B Salisbury, N43A Stutzman Famil, O40A La Belle, N42A Yates City, M43A Walham Townsh, L43A Garden Prairie, M40A Post Highland, L41A Preston, M38A Pleasantville, K42A Prairie Point, VNA3 Neumayer Olymp, K41A Shullsburg, ANMO Albuquerque, VNA1 Neumayer-Stat, JFW5 Jewell Farm, M36A Felix, Anita, J41A Loganville, I43A Langefeld Bro, I42A Draeger Farm, J40A Soldiers Grove, J39A Decorah, H43A Windswept, Lux, I41A Arkdale, I40A Norwalk, K36A Gilmore City, H42A Shiocton, H42A Shiocton, I39A Houston, BGNE Belgrade, J37A Redenius Farm, H41A Junction City, F45A CMU Biological, J36A Seneca 1, Swea, J36A Seneca 1, Swea, H40A Chili, G42A Mountain, SNA4 Snaae, SNA4 Snaae, I37A Lemond, Waseca, F43A Flat Rock, Esc, G40A Rib Lake, F41A Three Lakes, F41A Three Lakes, E43A Lone Tree Farm, G39A Holcombe, G38A Ridgeland, E42A Champion, ECSD EROS Data Cent, ECSD EROS Data Cent, ECSD EROS Data Cent, F40A Park Falls, SPMN Marine on St., SPMN Marine on St., F39A Loretta, E41A Kenton, H35A Sunnyside Ranc, E40A Wakefield, F38A Pierce - Schro, E39A Melrose, D41A Chassel, E38A The Farm, Brul, E36A McGregor, LIC Lamto, LIC Toumoudi, KIC Kosan Boka, DBIC Dimbokro, DBIC Dimbokro, D35A Remer, C37A Embarrass, EYMN Ely, C36A Pine Crest Far, C35A Jirik Farms, M, B35A Bol Littlelor, PDAR Pinedale Array, PDAR Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, KOWA Kowa, KOWA Kowa, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Torodi Ar. Bea,

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Time, Res. Rows include MDT Midelt, Vnda Vanda, T5UM Tsumeb, ESDC Sonseca Array, BOSA Boshof, YKA Yellowknife Ar, YKA Eskdalem Ar, EKA Eskdalem Ar, SEY Seymchan, SEY Seymchan, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, KURK Kurchatov, KURK Kurchatov, KURBB Kurchatov Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, USRK USSuriysk Arr, USRK USSuriysk Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, SONM Songino Array, SONM Songino Array, LZH Lanzhou, LZH Lanzhou, DDA 28 11:51:53.7, NSPP 28 11:51:53.5, ISCJB 28 11:51:54.0, Error ellipse: s-maj=2.9km, TEH 28 11:51:54.5, AZER 28 11:51:54.6, Error ellipse: s-maj=5.8km, CSEM 28 11:51:54.6, ISK 28 11:51:55.2, THR 28 11:51:55.7, ISC 28 11:51:54.7, Code Station Name, Phase ID, Time, Res.

28d 13h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like KURSB Kurchatov Arra, KURK Kurchatov, ZALV Zalesovo Beam, etc.

IDC 28 12:39:04.9-1.1, 9.64S, 159.80E, h20km, 27km, mb3.6/8, mb1 3.8/8, mb1mx3.6/43, mbtmp3.7/8, MS2.9/2, Ms1 2.9/2, ms1mx2.6/37, Error ellipse: s-maj=31.9km s-min=8.6km az=129.0

ISCJB 28 12:39:05.0-0.7, 9.7S:0.1, 159.7E:0.2, h34km, mb3.6/8, MS2.4/1, Error ellipse: s-maj=28.0km s-min=9.8km az=42.9

ISC 28 12:39:06.9-1.0, 9.7S:0.2, 159.8E:0.2, h34km, n12, r=134/12, mb3.7/8, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like HNR Honiara, HNR Honiara, WRM Mont Dzumac, etc.

ISCJB 28 12:54:19.9-0.4, 33.81N:0.07, 38.62W:0.07, h10km, mb4.1/37, MS3.8/45, Error ellipse: s-maj=9.9km s-min=8.1km az=173.7

IDC 28 12:54:20.1-0.6, 33.80N:38.61W, h0km, mb4.0/33, mb1 4.2/33, mb1mx4.0/70, mbtmp4.0/33, MS3.8/45, Ms1 3.8/45, ms1mx3.8/58, Error ellipse: s-maj=15.4km s-min=12.4km az=173.0

CSEM 28 12:54:21.8-0.2, 33.85N:38.62W, h10km, mb4.4/2, Error ellipse: s-maj=11.6km s-min=8.6km az=168.0

NEIC 28 12:54:21.8-0.3, 33.81N:38.62W, h10km, mb4.4/2, Error ellipse: s-maj=9.9km s-min=7.3km az=171.0

GCMT 28 12:54:21.8-0.2, 33.71N:38.66W, h12km, MW5.0/106, Moment Tensor Solution, s29 c32; s106 c18; Duration: 0. Moment tensor: Scale 10^10N; Mir-1.08E-10; Mw=2.07E-10; Mm=0.99E-09; Mn=0.60E-26; Mv=2.97E-07; Mv=0.78E-25; Best double couple: M3.3.4600000.10; NP1=14.000000, delta89.000000, lambda-164.000000; NP2: delta284.000000, delta74.000000, lambda-1.000000. Principal axes: T 4.0460, P1g10.00000, Azm148.00000; N -1.1730, P1g74.00000; Azm18.00000; N -2.8750, P1g12.00000; Azm240.00000; nst1a refers to body waves, cutoff=40s. nst2a refers to surface waves, cutoff=50s.

ISC 28 12:54:21.8-0.5, 33.779N:0.10, 38.66W:0.08, h10km, n80, c1878/53, mb4.1/37, MS3.8/45, 3C-4D, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like ESDC Sonseca Array, ESDC Sonseca Array, MDT Midelt, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like H10N1 ASCENSION HYDR47, H10S1 ASCENSION HYDR48, H10S3 ASCENSION HYDR49, etc.

ISCJB 28 12:56:48.5-0.7, 39.72N:0.07, 88.26E:0.08, h10km, mb3.6/8, MS3.3/2, Error ellipse: s-maj=12.3km s-min=6.7km az=37.4

BUI 28 12:56:49.0-1.1, 39.68N:88.29E, h8km, mb3.9/2, ML3.8/12, IDC 28 12:56:49.0-1.1, 39.68N:88.44E, h0km, mb3.7/8, mb1 3.8/13, mb1mx3.5/75, mbtmp3.7/13, ML3.5/5, MS3.0/3, Ms1 3.0/3, ms1mx2.5/68, Error ellipse: s-maj=34.7km s-min=16.5km az=51.0

NNC 28 12:56:50.4-3.9, 39.65N:88.39E, h22km, 39km, mb4.1, mp3.9, Error ellipse: s-maj=41.6km s-min=27.3km az=143.0

ISC 28 12:56:49.9-1.0, 39.57N:0.08, 88.28E:0.08, h10km, n22, c1830/22, mb3.7/8, 5C-4D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like WMQ Urumqi, WMQ Urumqi, PDGK Podgornyye, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like GTA Kurchatov Arra, GTA Kurchatov Arra, GTA Kurchatov Arra, etc.

CSEM 28 13:10:29.8-0.4, 35.15N:27.54E, h2km, ML2.6, Error ellipse: s-maj=12.3km s-min=5.0km az=159.0

ATH 28 13:10:29.9, 35.15N:27.48E, h14km, ML2.7/4, Error ellipse: s-maj=9.4km s-min=4.1km az=329.0

THE 28 13:10:32.0, 35.25N:27.40E, h0km, 2km, ML2.6/2, Error ellipse: s-maj=3.9km s-min=1.4km az=186.0

DDA 28 13:11:38.4, 35.60N:28.04E, h16km, M1.9, ISC 28 13:10:27.9-1.4, 35.18N:0.06, 27.55E:0.03, h3km, n12km, n7, c1993/58, Dodecanese Islands

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

NIED 28 13:17:00.36:30N, 139.40E, h145km, Mw3.9 Best double couple: M8.9400000-10P1a NP1a=296.00000, delta39.00000, lambda143.00000; NP2=delta5.00000, delta88.00000, lambda57.00000.

ISCJB 28 13:17:35.1-0.3, 36.25N:0.04, 139.38E:0.06, h147km, 2km, mb3.8/24, Error ellipse: s-maj=8.6km s-min=6.0km az=178.4

JMA 28 13:17:36.8-0.1, 36.26N:139.42E, h137km, 1km, M3.9 Broadband fault plane solution: P waves. NP1: delta52.00000, delta73.00000, lambda62.00000; NP2: delta293.00000, delta32.00000, lambda146.00000. Principal axes: T P1g2.00000, P1g2.00000, Azm288.00000; N P1g26.00000; Azm61.00000; P P1g23.00000, Azm163.00000;

Felt J11, IDC 28 13:17:36.3-0.6, 36.22N:139.32E, h143km, 5km, mb3.6/23, mb1 3.7/26, mb1mx3.6/69, mbtmp4.0/26, Error ellipse: s-maj=15.7km s-min=7.6km az=66.0

ISC 28 13:17:36.3-0.7, 36.30N:0.05, 139.38E:0.06, h141km, 5km, n46, c191/59, mb3.9/24, 5C-5D, Eastern Honshu

Table with columns: SFK, Sufi-Kurgan, 1.43 172, P, Pb, 15 10 47.4 +0.3

IDC 28 15:20:17.8, 4.4, 3.85N, 32.71W, h0km, mb3.7/7, mb1 3.8/7, mb1mx3.6/7, MS3.5/2, Ms1 3.5/2, ms1mx2.9/5.8, Error ellipse: s-maj=110.7km s-min=50.6km az=12.0, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

IDC 28 15:23:42.5, 2.6, 4.31N, 32.75W, h0km, mb3.8/13, mb1 4.1/13, mb1mx3.8/13, mb1mx3.8/13, MS3.8/8, Ms1 3.8/8, ms1mx3.2/6.1, Error ellipse: s-maj=85.7km s-min=24.0km az=173.0, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

NIED 28 15:27:00, 36.60N, 141.10E, h5km, Mw3.7 Best double couple: M=3.86000e+10, N1=237.00000, delta2.00000, lambda=14.00000, NP2=334.00000, delta7.00000, lambda=152.00000

IDC 28 15:27:18.4, 1.1, 3.67N, 141.09E, h0km, mb3.6/7, mb1 3.7/9, mb1mx3.5/6, mb1mx3.6/9, ML3.4/2, MS2.5/1, Ms1 2.5/1, ms1mx2.1/6.5, Error ellipse: s-maj=28.4km s-min=20.0km az=93.0

ISCJB 28 15:27:20.1, 1.0, 36.58N, 0.03:141.19E, h20km, 6km, mb3.5/8, Error ellipse: s-maj=9.2km s-min=5.1km az=18.1

JMA 28 15:27:21.3, 0.1, 36.58N, 141.07E, h2km, 1km, M3.9 JMA Felt 1 J1

ISC 28 15:27:19.9, 2.6, 36.56N, 0.04:141.19E, h13km, 15km, n29, c217/32, mb3.7/8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

Table with columns: ASAJ, 0.7nm, 0.3s, baz=205, slow=14, SNR=14, Sn, 15 30 35.0 -1.9

IDC 28 15:38:02.0, 2.0, 4.72N, 126.15E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.2/5.7, mb1mx3.4/4, Error ellipse: s-maj=190.6km s-min=23.1km az=66.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

ISCJB 28 15:51:30.9, 0.8, 51.44N, 0.03:16.07E, h0km, Error ellipse: s-maj=4.9km s-min=3.1km az=16.1

CSEM 28 15:51:31.4, 0.4, 51.50N, 16.10E, h2km, ML2.6/13, Error ellipse: s-maj=6.7km s-min=4.1km az=179.0, Suspected Mining induced

VIE 28 15:51:34.0, 0.5, 51.32N, 16.09E, h0km, mb2.1/3, ml2.2/6, Error ellipse: s-maj=3.9km s-min=3.1km az=158.0, 69 km WNW of Wroclaw Suspected Mining induced

ISC 28 15:51:31.2, 1.2, 51.53N, 0.05:16.15E, h0km, n37, c060/71, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

Table with columns: KBA, Koelnbreinsper, 4.82 203, Sg, Sg, 15 54 06.0 +0.1

MOS 28 16:01:09.9, 0.9, 4.54N, 32.67W, h10km, mb5.1/50, MS4.8/19, Error ellipse: s-maj=9.6km s-min=4.6km az=55.7

IDC 28 16:01:09.7, 0.4, 4.52N, 32.70W, h0km, mb4.4/44, mb1 4.5/45, mb1mx4.4/66, mb1mx4.4/45, ML4.3/1, Error ellipse: s-maj=12.0km s-min=9.4km az=149.0

ISCJB 28 16:01:10.2, 0.2, 4.50N, 0.04:32.66W, 0:0.3, h11km, mb4.7/71, MS4.9/21, Error ellipse: s-maj=6.4km s-min=3.9km az=155.8

GCMT 28 16:01:11.5, 0.1, 4.61N, 32.58W, h12km, MW5.4/136, Moment Tensor Solution, s102,c169, s136,c278; Duration: 1s2 Moment tensor: Scale 1071Nm; Mm-1.54e-02; M00.04e-02; M01.50e-02; M02.22e-05; M03.10e-01; M04.06e-04; Best double couple: M01.53900e+10, N1=356.00000, delta4.00000, lambda=101.00000, NP2=192.00000, delta5.00000, lambda=79.00000, Principal axes: T 1.5070, P1.0000, Azm94.0000, N 0.0610, P18.0000, Azm4.0000, P -1.5710, P182.0000, Azm190.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s

NEIC 28 16:01:11.5, 0.2, 4.55N, 32.67W, h10km, mb4.9/62 Error ellipse: s-maj=6.8km s-min=4.8km az=168.0

BUI 28 16:01:12.6, 4.60N, 32.60W, h10km, MB5.3/2, Ms5.4/4, Ms7.5/3.4

ISC 28 16:01:11.6, 0.3, 4.38N, 0.05:32.74W, 0:0.07, h11km, n373, c195/407, mb4.8/172, MS4.9/21, 29C-20D, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

28d 16h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like EI ROSAL, CASIMIRO, MARV???, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CLM, CLN, CLP, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NOA, ISR, BUR04, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KIV, KBZ, VNA1, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AKTO, COR, NLWA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SCHQ, GERES, LBTB, etc.

Table with columns for station name, coordinates, elevation, and other parameters. Includes stations like JNU Nakatsue, MJAR Matushiro Arr, MAJO Matushiro, etc.

Table with columns for station name, coordinates, elevation, and other parameters. Includes stations like LSA Lhasa, ZAK Zakamensk, ODAN Odare, etc.

Table with columns for station name, coordinates, elevation, and other parameters. Includes stations like DAWY Dawson, AML Almayashu, EKSZ Ekin-Say, etc.

Technical notes and metadata including station IDs, coordinates, and error ellipses for various stations.

28d 18h

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TATI Ternate, LUWI Luvuw, WAKI Fak Fak, etc.

IDC 28 18:11:33.9, 1.6, 64.825x174.21E, h0km, mb4.1/3, mb1 4.1/4, mb1mx3.8/34, mbtmp4.0/4, ML2.7/1, MS3.9/18, Ms1 3.9/18, ms1mx3.7/36, Error ellipse: s-maj=54.6km s-min=31.2km az=93.0

ISC/JB 28 18:11:34.0, 0.9, 64.875x174.0E, 0.5, h10km, mb4.3/6, MS3.9/17, Error ellipse: s-maj=32.6km s-min=10.9km az=176.1

NEIC 28 18:11:35.3, 0.9, 64.875x173.81E, h10km, mb4.7/3, Error ellipse: s-maj=32.5km s-min=11.6km az=82.0

ISC 28 18:11:35.7, 1.0, 64.850x173.8E, 0.3, h10km, n37, c136/17, mb4.3/6, MS3.9/17, Baileny Islands region

Main table of station data with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MCQ Macquarie Isla, VVDA Vanda, VVND Vanda, etc.

WEL 28 18:16:33.4, 38'S x 118°10'W, h33km, ML3.2/13, East of North Island

Table of station data for the Wake Island region, including stations like WMGZ Waionatani S, WMGZ Matakaoa Point, etc.

Table of station data for the Tokelau region, including stations like MWZ Matawai, MWZ Mahia Peninsula, etc.

NIED 28 18:45:00.45, 70N, 152.10E, h23km, Mw4.0 Best double couple: M1.03000, 1015 Np1.948, 00000, 853, 00000, 2, 00000, NP2.57, 00000, 888, 00000, 1, 143, 00000, 0

SKHL 28 18:45:04.9, 0.9, 45.08N, 152.38E, h72km, 5km, mb4.6/4, IDC 28 18:45:04.4, 0.9, 45.42N, 151.79E, h0km, mb4.0/3, mb1 4.1/28, mb1mx0.7/3, mbtmp4.0/28, ML4.0/3, MS3.2/7, Ms1 3.3/7, ms1mx2.8/75, Error ellipse: s-maj=22.1km s-min=15.5km az=162.0

JMA 28 18:45:05.0, 0.7, 45.66N, 152.08E, h30km, M4.1 ISC/JB 28 18:45:06.8, 0.3, 45.35N, 151.87E, 0.5, h30km, mb4.3/43, MS3.7/3, Error ellipse: s-maj=8.9km s-min=2.9km az=150.5

NEIC 28 18:45:06.7, 2.2, 45.48N, 151.82E, h13km, 13km, mb4.6/19, Error ellipse: s-maj=8.4km s-min=4.7km az=148.0 MOS 28 18:45:08.5, 1.0, 45.26N, 151.87E, h68km, mb4.5/21, Error ellipse: s-maj=8.5km s-min=8.0km az=151.1

ISC 28 18:45:08.3, 0.5, 45.31N, 151.87E, 0.5, h30km, n174, c156/180, mb4.3/52, MS3.8/3, 7C-4D, Kuril Islands

Main table of station data for the Kuril Islands region, including stations like KUR Kuril'sk, SHO Shikotan, etc.

Main table of station data for the Tokelau and other regions, including stations like JTH Tanohata, JOSM Okushiri-Mats, etc.

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Table with columns: Station ID, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like TAS, I03D, M02C, N02D, HUMO, COR, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like ISA, PASC, HAWA, RYN, MWC, TIN, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like Y12C, RPN, PDMO, HLID, YKWS, etc.

KIS	Kishinev	116.34 321	ePKIKP	PKPpdf	20 22 38.0 +1.8
KIS					20 23 43.0
KIS					20 26 08.0
KIS					20 33 28.0 +2.3
KIS	comp-Z,2j,m,8.0s		ePS pmax	PS pmax	
Q47A	Bedon North L	116.35 49	P	PKPpdf	20 22 36.0 -0.5
U47A	Clarksville	116.36 52	P	PKPpdf	20 22 35.5 -1.1
IKL	Islikil	116.36 308	eP	PKPpdf	20 22 36.8 +0.2
474	Sharon Grove	116.36 51	P	PKPpdf	20 22 35.7 -0.8
T47A	Sharon Grove	116.36 51	ePKPpdf	PKPpdf	20 22 35.5 -1.1
X47A	Russelville	116.37 54	P	PKPpdf	20 22 35.4 -1.2
PAYG	Puerto Ayora	116.39 93	PFAKE	LR	20 22 50.0 +1.3
W47A	Westpoint	116.41 53	P	PKPpdf	20 22 35.2 -1.5
147A	Livingston	116.44 56	P	PKPpdf	20 22 35.4 -1.4
AR4A	Wooly Knot Far	116.45 49	P	PKPpdf	20 22 35.4 -1.3
AKKU	Akiyu-Mersin	116.49 308	eP	PKPpdf	20 22 35.9 -0.9
Y47A	UCFARC, Winfie	116.52 54	P	PKPpdf	20 22 35.4 -1.6
WCI	Wyandotte Cave	116.65 49	P	PKPpdf	20 22 35.8 -1.3
HFS	Wyandotte Cave	116.65 49	ePKPpdf	PKPpdf	20 22 36.0 -1.1
HFS	Hagfors	116.68 339	Pdfif	PKPpdf	20 18 51.6 -0.2
HFS	comp-Z,6.3nm,0.7s,baz=67,slow=2.6,SNR=36		ePKP	PKPpdf	20 22 35.8 -0.7
HFS	comp-Z,21nm,1.0s,baz=56,slow=11,SNR=3.7		PP	PKP	20 23 42.6 -1.7
HFS	comp-Z,1.9nm,0.8s,baz=188,slow=9.6,SNR=4.4		PKKPbc	PKKPbc	20 33 02.6 -3.3
BERE	Bereket-Mersin	116.69 308	eP	PKPpdf	20 22 35.8 -1.6
NC303	NORSAR Array S	116.71 340	ePKPpdf	PKPpdf	20 18 53.2 +1.2
NC303	NORSAR Array S	116.71 340	ePKPpdf	PKPpdf	20 22 36.4 -0.1
NC303	NORSAR Array S	116.71 340	ePKPpdf	PKPpdf	20 22 36.8 +0.2
EIL	Eilat	116.73 301	PKP	PKPpdf	20 22 44.7 +7.2
M48A	Edgerton	116.83 45	P	PKPpdf	20 22 36.1 -1.3
TEKE	Tekeli-Mersin	116.83 308	eP	PKPpdf	20 22 38.2 +0.7
DOMB	Dombas	116.85 342	ePKPpdf	PKPpdf	20 18 52.1 -0.5
DOMB	DOMB	116.85 342	ePKPpdf	PKPpdf	20 23 37.1 +0.3
LADK	Ladik-KONYA	116.86 311	eP	PKPpdf	20 22 38.2 +0.6
NB201	NORSAR Array S	116.87 340	ePKPpdf	PKPpdf	20 22 36.7 -0.2
Z48A	Northport	116.87 55	P	PKPpdf	20 22 36.3 -1.3
Q48A	North Vernon	116.88 48	P	PKPpdf	20 22 36.4 -1.1
NC204	NORSAR Array S	116.88 341	ePKPpdf	PKPpdf	20 18 51.9 -0.9
NC204	NORSAR Array S	116.88 341	ePKPpdf	PKPpdf	20 22 36.7 -0.2
T48A	Bowling Green	116.88 51	P	PKPpdf	20 22 36.2 -1.3
L48A	N Adams	116.88 45	P	PKPpdf	20 22 36.1 -1.3
MOL	Moide	116.90 343	ePKPpdf	PKPpdf	20 22 38.7 +1.9
NB2	NORSAR Subarray	116.90 340	ePKPpdf	PKPpdf	20 22 36.1 -0.8
NB2	comp-Z,22nm,1.2s,baz=44,slow=1.9		PKPpdf	PKPpdf	20 22 36.1 -0.8
NB2	NORSAR Subarray	116.90 340	PKPpdf	PKPpdf	20 22 36.1 -0.8
NOA	NORSAR Array B	116.90 340	Pdfif	PKPpdf	20 18 50.9 -2.0
NOA	comp-Z,1.0nm,0.7s,baz=37,slow=4.2,SNR=27		PKP	PKPpdf	20 22 36.1 -0.8
NOA	comp-Z,1.4nm,0.6s,baz=46,slow=1.9,SNR=9.6		PP	PKP	20 23 44.0 -1.9
NOA	comp-Z,2.8nm,0.8s,baz=40,slow=6.2,SNR=5.6		SKP	PKP	20 26 09.4
NOA	comp-Z,2.9nm,0.8s,baz=48,slow=1.9,SNR=3.7		SKP	PKP	20 26 09.4
V48A	Smith Brothers	116.90 52	P	PKPpdf	20 22 36.2 -1.4
V48A	Smith Brothers	116.90 52	ePKPpdf	PKPpdf	20 22 37.2 -0.5
V48A	Smith Brothers	116.90 52	ePKPpdf	PKPpdf	20 23 46.0 -1.1
O48A	Farmland	116.90 47	P	PKPpdf	20 22 36.3 -1.2
LEOM	Leova	116.91 321	PKPpdf	PKPpdf	20 22 39.5 +2.2
LEOM	Leova	116.91 321	PKPpdf	PKPpdf	20 22 39.5 +2.2
R48A	Northridge Ran	116.92 49	P	PKPpdf	20 22 36.3 -1.3
U48A	Cassie Pea, Po	116.92 51	P	PKPpdf	20 22 36.3 -1.3
U48A	Milroy	116.94 48	P	PKPpdf	20 22 36.2 -1.4
CSS	Mathiasis	116.95 307	P	PKPpdf	20 22 38.2 +0.4
W48A	Pulaski	116.96 53	P	PKPpdf	20 22 36.2 -1.5
484A	Wiedeman Farm	116.99 50	P	PKPpdf	20 22 36.3 -1.5
MAMC	Mammari	116.99 307	P	PKPpdf	20 22 39.1 +1.3
NC602	NORSAR Array S	117.01 340	ePKPpdf	PKPpdf	20 22 36.5 -0.5
KIZT	Kizilirmak	117.03 312	ePKPpdf	PKPpdf	20 22 36.1 +1.1
X48A	Hartsele	117.04 54	P	PKPpdf	20 22 36.7 -1.3
X48A	Hartsele	117.04 54	ePKPpdf	PKPpdf	20 22 36.7 -1.3
X48A	Hartsele	117.04 54	ePKPpdf	PKPpdf	20 23 47.7 +0.3
IAS	IAS	117.05 321	PKPpdf	PKPpdf	20 22 39.4 +1.9
IAS	IAS	117.05 321	PKPpdf	PKPpdf	20 22 39.4 +1.9
MDUB	Mudurnu	117.05 313	eP	PKPpdf	20 22 35.9 -2.0
TLCR	TLCR	117.05 319	PKPpdf	PKPpdf	20 22 40.2 +2.6
TLCR	TLCR	117.05 319	PKPpdf	PKPpdf	20 22 40.2 +2.6
NAO00	NORSAR Array S	117.05 341	ePKPpdf	PKPpdf	20 22 37.0 -0.0
NAO01	NORSAR Array S	117.15 340	ePKPpdf	PKPpdf	20 18 54.9 +0.5
NAO01	NAO01	117.15 340	ePKPpdf	PKPpdf	20 22 37.5 +0.2
NAO01	NAO01	117.15 340	ePKPpdf	PKPpdf	20 23 42.5 -5.2
LEF	Lefka	117.27 307	eP	PKPpdf	20 22 37.8 -0.5
AAM	Ann Arbor	117.30 44	PFAKE	LR	20 22 50.0 +1.2
AAM	comp-Z,1.5nm,21.0s		LR	LR	
GIUM	Giurgiuilesti	117.33 320	PKPpdf	PKPpdf	20 22 41.4 +3.3
M49A	Liberty Center	117.36 45	P	PKPpdf	20 22 37.0 -1.4
SZAC	Souni	117.36 307	P	PKPpdf	20 22 39.9 +1.3
AKN	Aaknes	117.36 343	ePKPpdf	PKPpdf	20 18 54.2 -0.6
AKN	AKN	117.36 343	ePKPpdf	PKPpdf	20 22 39.2 +1.4
LRAL	Lakeview Retre	117.41 55	P	PKPpdf	20 22 37.2 -1.5
LRAL	Lakeview Retre	117.41 55	P	PKPpdf	20 22 37.2 -1.5
GAZI	Gazipasa	117.43 309	eP	PKPpdf	20 22 38.7 +0.1
P49A	Miami Univ. Ec	117.44 48	P	PKPpdf	20 22 37.2 -1.5
Q49A	Aurora	117.47 48	P	PKPpdf	20 22 38.7 +0.1
R49A	Shelbyville	117.49 49	P	PKPpdf	20 22 37.5 -1.2
ALFC	Aleka	117.49 307	P	PKPpdf	20 22 39.0 +1.2
CFR	Carcaiu	117.49 319	PKPpdf	PKPpdf	20 18 57.7 +1.9
CFR	Carcaiu	117.49 319	PKPpdf	PKPpdf	20 22 41.2 +2.5
CFR	Carcaiu	117.49 319	PKPpdf	PKPpdf	20 26 07.7 -1.4
CFR	Carcaiu	117.49 319	PKPpdf	PKPpdf	20 18 57.7 +1.9
W49A	Belvedere	117.50 53	P	PKPpdf	20 22 37.5 -1.3
U49A	Red Boiling Sp	117.51 51	P	PKPpdf	20 22 37.6 -1.2
O49A	Covington	117.52 47	P	PKPpdf	20 22 37.5 -1.2
249A	Camden	117.54 56	P	PKPpdf	20 22 37.5 -1.5
S49A	Springfield	117.54 50	P	PKPpdf	20 22 37.6 -1.2
T49A	Edmonton	117.54 50	P	PKPpdf	20 22 37.5 -1.3
T49A	Edmonton	117.54 50	ePKPpdf	PKPpdf	20 22 38.4 -0.5
GULT	Gulverne	117.55 314	eP	PKPpdf	20 22 38.6 -0.3
EFOR	EFORIE	117.59 318	PKPpdf	PKPpdf	20 22 41.5 +2.8
TIRR	Tirgusor	117.59 318	PKPpdf	PKPpdf	20 18 54.4 -1.8
TIRR	Tirgusor	117.59 318	PKPpdf	PKPpdf	20 22 40.8 +2.1
TIRR	Tirgusor	117.59 318	PKPpdf	PKPpdf	20 18 54.9 +0.5
TIRR	Tirgusor	117.59 318	ePKPpdf	PKPpdf	20 22 38.5 -1.1
TIRR	Tirgusor	117.59 318	ePKPpdf	PKPpdf	20 23 45.5 -5.9
TIRR	Tirgusor	117.59 318	ePKPpdf	PKPpdf	20 22 40.8 +2.1
X49A	Woodville	117.60 53	P	PKPpdf	20 22 37.6 -1.4
349A	Repton	117.61 57	P	PKPpdf	20 22 37.8 -1.3
V49A	McMinnville	117.62 51	P	PKPpdf	20 22 37.6 -1.4

149A	Jones	117.67 56	P	PKPpdf	20 22 38.4 -0.8
Y49A	Blount Mountai	117.69 54	P	PKPpdf	20 22 38.7 -0.6
AKMC	Akamaks	117.73 307	P	PKPpdf	20 22 39.2 -0.1
SWET	Sewanee	117.74 53	ePKPpdf	PKPpdf	20 22 39.0 -0.3
249A	Columbiana	117.75 55	P	PKPpdf	20 23 46.3 -6.6
PPCY	Paphos	117.76 307	P	PKPpdf	20 22 38.7 -0.7
BRAL	Brewton	117.77 57	PFAKE	LR	20 22 38.2 -1.1
BRAL	Brewton	117.77 57	PFAKE	LR	20 22 50.0 +1.1
TLB	Topalu	117.79 319	PKPpdf	PKPpdf	20 18 58.6 +1.5
TLB	Topalu	117.79 319	PKPpdf	PKPpdf	20 22 41.9 +2.9
TLB	Topalu	117.79 319	PKPpdf	PKPpdf	20 26 10.3 +0.6
TLB	Topalu	117.79 319	PKPpdf	PKPpdf	20 32 58.5 -3.0
TLB	Topalu	117.79 319	PKPpdf	PKPpdf	20 18 58.6 +1.5
PRAR	RASCA	117.80 322	PKPpdf	PKPpdf	20 22 41.9 +2.9
HARR	Harsova	117.82 319	PKPpdf	PKPpdf	20 18 58.7 +1.5
HARR	Harsova	117.82 319	PKPpdf	PKPpdf	20 22 41.9 +2.8
HARR	Harsova	117.82 319	PKPpdf	PKPpdf	20 26 11.5 +1.7
HARR	Harsova	117.82 319	PKPpdf	PKPpdf	20 18 58.7 +1.5
OSL	Oslo	117.87 340	ePKPpdf	PKPpdf	20 22 40.1 +1.4
EFI	East Falkland	117.88 159	PFAKE	LR	20 22 50.0 +1.1
CVDA	Cernavoda	117.89 318	PKPpdf	PKPpdf	20 22 42.0 +2.8
TESR	Tescani	117.90 321	PKPpdf	PKPpdf	20 18 57.9 +0.3
TESR	Tescani	117.90 321	PKPpdf	PKPpdf	20 22 41.2 +2.3
LTV	L'vov	117.96 325	eP	PKPpdf	20 18 58.0 +0.2
LTV	L'vov	117.96 325	eP	PKPpdf	20 23 54.0
LTV	L'vov	117.96 325	eP	PKPpdf	20 29 29.0
LTV	L'vov	117.96 325	eP	PKPpdf	20 33 30.0 +0.5
LTV	L'vov	117.96 325	eP	PKPpdf	20 23 49.3 -6.1
LODK	Lodwar	117.97 271	eP	PKPpdf	20 37 27.0
HRT	Hereke	118.03 314	eP	PKPpdf	20 22 41.0 +1.3
O50A	Cable	118.05 47	P	PKPpdf	20 22 39.2 -0.5
BIZ	Bicaz	118.06 322	PKPpdf	PKPpdf	20 19 00.7 +2.4
BIZ	Bicaz	118.06 322	PKPpdf	PKPpdf	20 22 42.7 +3.2
BIZ	Bicaz	118.06 322	PKPpdf	PKPpdf	20 26 10.3 +0.1
P50A	Jamestown	118.09 47	P	PKPpdf	20 22 38.6 -1.3
T50A	Nancy	118.10 50	P	PKPpdf	20 22 39.2 -0.7
SUTC	Sutlucce-Ispart	118.10 310	eP	PKPpdf	20 22 40.0 -0.1
ADVT	Adulvuhap	118.11 314	eP	PKPpdf	20 22 38.7 -1.1
CAVI	CAVUSKO	118.11 313	eP	PKPpdf	20 22 41.0 +1.1
R50A	Paris	118.12 49	P	PKPpdf	20 22 43.0 -0.5
VRI	Vrincioaia	118.12 320	PKPpdf	PKPpdf	20 18 59.6 +1.0
VRI	Vrincioaia	118.12 320	PKPpdf	PKPpdf	20 22 42.0 +2.3
VRI	Vrincioaia	118.12 320	PKPpdf	PKPpdf	20 26 12.7 +2.3
VRI	Vrincioaia	118.12 320	PKPpdf	PKPpdf	20 22 42.0 +2.3
ICOR	Ion Corvin	118.13 318	PKPpdf	PKPpdf	20 22 42.8 +3.1
X50B	Fort Payne	118.15 53	P	PKPpdf	20 22 39.3 -0.8
GRER	Nancy	118.17 320	PKPpdf	PKPpdf	20 22 44.2 +4.4
PLOR	Plostina	118.18 320	PKPpdf	PKPpdf	20 22 41.9 +2.1
PLOR	Plostina	118.18 320	PKPpdf	PKPpdf	20 22 41.9 +2.1
N50A	Nevada	118.18 46	P	PKPpdf	20 22 38.9 -1.0
Q50A	Georgetown	118.20 48	P	PKPpdf	20 22 39.4 -0.6
Y50A	Piedmont	118.23 54	P	PKPpdf	20 22 39.4 -0.9
W50A	Signal Mountai	118.23 52	P	PKPpdf	20 22 39.6 -0.7
W50A	Signal Mountai	118.23 52	ePKPpdf	PKPpdf	20 22 39.3 -0.9
Z50A	Ashland	118.23 55	P	PKPpdf	20 23 49.9 -6.5
Z50A	Ashland	118.23 55	P	PKPpdf	20 22 39.5 -0.8
Z50A	Ashland	118.23 55	ePKPpdf	PKPpdf	20 22 39.7 -0.6
Z50A	Ashland	118.23 55	ePKPpdf	PKPpdf	20 23 51.8 -4.6
AMRR	Amara	118.24 319	PKPpdf	PKPpdf	20 22 43.7 +3.8
AMRR	Amara	118.24 319	PKPpdf	PKPpdf	20 22 43.7 +3.8
SS0A	Richmond	118.24 49	P	PKPpdf	20 22 39.6 -0.6
Z50A	Dozier	118.24 56	P	PKPpdf	20 22 40.0 -0.3
U50A	Jamestown	118.27 51	P	PKPpdf	20 22 39.4 -0.8
V50A	Pikeville	118.27 52	P	PKPpdf	20 22 39.6 -0.7
BUR08	Bucovina Ar. S	118.30 323	ePKPpdf	PKPpdf	20 19 04.0 +0.9
BUR08	Bucovina Ar. S	118.			

28d 20h

Table with columns for location, date, time, and various status codes (e.g., ePKPdf, SKPKP, PKPKPb). Includes entries for BOSA, ESTANOLLEE, SALUDA, DALYAN, etc.

2012 JUL

Table with columns for location, date, time, and various status codes. Includes entries for STATEVILLE, PSZ, MORAVSKY BEROU, etc.

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Table with columns for location, date, time, and various status codes. Includes entries for NCAT, VRAC, ANAFI ISLAND, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BDHA, LBOS, DAMY, ATD, GEC2, etc.

GUC 28:20:28:52.6:0.6, 34°62'S-71°81'W, h11km, 2ML3, 7, 3C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like G005, NICH, ANTU, LMEL, CLCH, ROCH, FCH, CCHI, etc.

DJA 28:21:03:49.4:0.3, 1°N-2°9'E, h53km, 8km, M3.7/17, mb3.7/3, ML3.7/17, Northern Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PBSI, MNSI, GSI, SISI, BKN, TSI, SNSI, KCSI, PPSI, KRJI, MLSI, LHMI, MASI, etc.

JMA 28:21:16:55.5, 37.07°N-140.72°E, h12km, 1km, M1.6, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONAJ, JFFD, JFK, JHO, JFT, JMM, etc.

JMA 28:21:17:25.1, 36.77°N-138.40°E, h7km, 1km, M1.1, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAT, JNG, JHK, etc.

KRNET 28:21:36:00.8:0.1, 42°17'N-76°57'E, h20km, mb2.9
NCC 28:21:36:00.2:1.2, 42°22'N-76°66'E, h3km, 10km, mb2.8,

mpv2.5, Error ellipse: s-maj=11.8km s-min=6.3km az=17.0

SOME 28:21:36:01.0, 42°18'N-76°62'E, h15km

ISC 28:21:36:00.6:1.0, 42°17'N-0.03:76.58E, 0.02, h13km, 8km,

n57, f109/101, 29C-17D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULHL, BOOM, IZV, TNS, MTBS, KST, etc.

AAA 28:21:42:33.6:2.6, 21°96'S-177°92'W, h0km, mb4.1/5, mb1.4/3/5, mb1mx3.8/49, mbtmp4.1/5, Error ellipse: s-maj=67.1km s-min=32.1km az=33.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAA, DGS, KBK, PRZ, UCH, CHMS, SATY, AAK, KURS, ZHN, KUU, etc.

CASC 28:21:45:22.2:1.3, 12°52'N-88°20'W, h43km, 73km, ML4.1, mb4.1(NEIC), Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LCND, LCY, VSM, PACA, TECA, CRIN, SAN, TELN, LFRS, CNGN, LFLU, SNET, OPAM, UUES, BOOS, COPN, MOMI, CEDA, XAVN, ESTN, SBL, MGAN, MTOS, RICON, MATN, etc.

ISCJB 28:21:58:55.0:0.4, 8°98'S-0.07:158.70E, 0.04, h10km,

mb4.2/19, MS4.2/1, Error ellipse: s-maj=10.6km

s-min=5.2km az=21.1

ISC 28:21:58:55.0:0.5, 8°96'S-158°73'E, h0km, mb4.3/16,

mb1.4/4/17, mb1mx4.2/47, mbtmp4.2/17, ML3.1/1, MS4.1/3,

MS1.4/2.3, ms1mx3.6/41, Error ellipse: s-maj=16.2km

s-min=14.5km az=61.0

NEIC 28:21:58:57.0:2.0, 9°02'S-158°77'E, h13km, 13km, mb4.7/4,

Error ellipse: s-maj=12.9km s-min=9.3km az=119.0

ISC 28:21:58:56.6:0.5, 9°00'S-0.09:158.74E, 0.06, h10km, n32,

o563/34, mb4.4/19, Bougainville-Solomon Islands

EKS2 Erkin-Say 2.14 284 fP Pb 21 36 38.2 -1.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EKS2, AML, ARXS, SHLS, PDGK, MRKS, MNAS, SFK, BTL, KAPS, KK31, etc.

ISCN 28:21:36:03.7:0.3, 35°36'N-47°89'E, h0km, ML2.6

TEH 28:21:36:10.3, 35°33'N-48°89'E, h4km, ML2.6, Western Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HKZM, IRAZ, HAGD, IGZV, IMHD, HSAM, etc.

ICD 28:21:42:33.6:2.6, 21°96'S-177°92'W, h0km, mb4.1/5, mb1.4/3/5, mb1mx3.8/49, mbtmp4.1/5, Error ellipse: s-maj=67.1km s-min=32.1km az=33.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STKA, ASAR, WRA, VNDA, QSPA, HFS, AKASG, etc.

CASC 28:21:45:22.2:1.3, 12°52'N-88°20'W, h43km, 73km, ML4.1, mb4.1(NEIC), Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LCND, LCY, VSM, PACA, TECA, CRIN, SAN, TELN, LFRS, CNGN, LFLU, SNET, OPAM, UUES, BOOS, COPN, MOMI, CEDA, XAVN, ESTN, SBL, MGAN, MTOS, RICON, MATN, etc.

ISCJB 28:21:58:55.0:0.4, 8°98'S-0.07:158.70E, 0.04, h10km,

mb4.2/19, MS4.2/1, Error ellipse: s-maj=10.6km

s-min=5.2km az=21.1

ISC 28:21:58:55.0:0.5, 8°96'S-158°73'E, h0km, mb4.3/16,

mb1.4/4/17, mb1mx4.2/47, mbtmp4.2/17, ML3.1/1, MS4.1/3,

MS1.4/2.3, ms1mx3.6/41, Error ellipse: s-maj=16.2km

s-min=14.5km az=61.0

NEIC 28:21:58:57.0:2.0, 9°02'S-158°77'E, h13km, 13km, mb4.7/4,

Error ellipse: s-maj=12.9km s-min=9.3km az=119.0

ISC 28:21:58:56.6:0.5, 9°00'S-0.09:158.74E, 0.06, h10km, n32,

o563/34, mb4.4/19, Bougainville-Solomon Islands

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

ISCJB 29 02:21:10.0,0.2,22.91N,01.94,23E,0.01,h67km,2km, mb5.6/386, Error ellipse: s-maj=2.6km s-min=1.8km az=39.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SILR SILCHAR, BRDH Baridhala, BELO BELO, etc.

Table with columns: SROT, SROT, 9.69 151 P, Pn, 02 23 30.0 +0.5. Includes stations like GKN Gorkha, KHON Khomkaen, CHLP Challavanipeta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNC 29 01:58:51.3,3.6,3618N,69.43E, h0km, mb4.1, mpv3.9, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGT Agartala, MOKO MOKOCHONG, SHL Shillong, etc.

Table with columns: SROT, SROT, 11.52 139 P, Pn, 02 24 02.0 +7.5. Includes stations like SRAK Srakawee, CD2 Chengdu, CD2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIED 29 01:59:00,38.20N,141.60E, h35km, Mw3.7, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TURI Tura, CHIANG Chiang Mai, CHTO Chiang Mai, etc.

Table with columns: SROT, SROT, 15.74 252 P, Pn, 02 24 45.0 -1.2. Includes stations like KRAB Krabi, SRSP Sriramsagar, ENH Enshi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 29 02:03:08.4,2.1,2.79N,128.87E, h0km, mb3.4/4, etc.

Table with columns: SROT, SROT, 17.09 15 P, Pn, 02 25 04.8 -2.0. Includes stations like SKLT Srilanka, XAN Xi'an, XAN, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, and Signal Quality. Includes stations like ANOYIA, NEVROKOPI, OURANOPOLIS, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, and Signal Quality. Includes stations like SKO Skopje, TRIZ Trizonia, SERG Sergetia, etc.

Table with columns: Station ID, Name, Frequency, Band, Mode, and Signal Quality. Includes stations like DPC Dobruska-Polom, BLY Banja Luka, SOPS Sopron, etc.

29d 2h

Table with columns for station code, name, frequency, and other details. Includes stations like NOA, LJU, GECZ, GERES, GEOA, KHC, NA001, NCLL, CLL, NB000, KBA, KNC, DOMB, KONO, KONO, KONO, KONO, MOX, ABTA, BBOO, AQU, AQU, MOL, GRFO, GRFO, GRFO, MUD, MUD, HOMB, WTTA, VAE, VAE, WATA, FUR, AKN, WDD, MOTA, RETA, SNART, HYA, ODD1, FETA, BLSS, CLTB, FUORH, DAVO, BER, ASK, DAVOX, DAVOX, DAVOX, STU, STU, SUE, KMY, VUC, TUE, BFO.

2012 JUL

Table with columns for station code, name, frequency, and other details. Includes stations like BFO, SLE, WTSB, LANF, STKA, STKA, STKA, STKA, CDF, CDF, ECH, ECH, ECH, PGF, PGF, MEM, MEM, MEM, HGN, HGN, WLF, WLF, WLF, WLF, BEBN, SENIN, SENIN, HNR, HNR, HAU, BCLA, SBF, SBF, LPL, LPL, LPL, GIVF, GIVF, GIBF, GIBF, BNI, BNI, BNI, BNI, UCC, UCC, UCC, SNF, SNF, BAIF, BAIF, TAMR, TAMR, DAG, DAG, DAG, FRF, FRF, EIDS, EIDS, KEST, KEST, KEST, RDOG, RDOG, THTN, THTN, SSB, SSB, SSB, VIVF, VIVF, SMF, SMF, SMF, SSF, SSF, AVF, AVF, CMAH, CMAH, DRUM, DRUM, DRUM, MLA1, CAEH, MICH, BGD, BIGH, CKFL, CKFL, LSZ, LSZ, LSZ, LSZ, EDMD, EDMD, CASM, CASM, HPK, HPK, HPK, CTEI, CTEI, EDI, EDI, EDI, LBWR, LBWR, LBWR.

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Table with columns for station code, name, frequency, and other details. Includes stations like LBWR, DFRF, EKA, ESK, ESK, ESK, INVG, INVG, BHH, CAF, CAF, KESW, KESW, KESW, EAB, SSW, RJJ, RJJ, SET, SWN1, SWN1, PGBU, PGBU, FLN, FLN, KPL, KPL, STRD, STRD, HLM1, HLM1, HLM1, BATH, BATH, FOEL, FOEL, FOEL, OLDB, OLDB, ARMA, ARMA, GRR, GRR, MONM, MONM, MONM, LFF, MCH1, MCH1, MCH1, HGH, WPM, LWL, WIM, WME, WLF1, WLF1, JOE, JRS, JSA, JSA, YRC, YRC, CAN, CAN, CAN, TOLK, TOLK, TOLK, EMHD, ROF, QUIF, QUIF, COLD, MLY, MLY, SVWZ, SVWZ, SUMG, CAST, SDPT, BORG, BORG, BORG, BORG, BPAW, PPLA, PPLA, TULEG, MDM, MDM, MDM, TRF, TAM, COLA, COLA, COLA, WRH, CCB, SKT, MCK, VAL.

Table with columns: VAL, ILI, ILAR, etc. containing names, coordinates, and status. Includes entries like VAL, ILI, ILAR, ILAR, ILAR, etc.

Table with columns: ANGG, PBAR, PESTR, etc. containing names, coordinates, and status. Includes entries like ANGG Ammassalik, PBAR Barrancos, PESTR Estremo, etc.

Table with columns: KIC, TIC, LIC, etc. containing names, coordinates, and status. Includes entries like KIC Kosan Boka, TIC Toumudi, LIC Lamto, etc.

29d 2h

Table with columns for station name, frequency, power, and signal quality. Includes stations like QSPA, R11A, ECSD, etc.

2012 JUL

Table with columns for station name, frequency, power, and signal quality. Includes stations like SSPA, KSCO, KSCO, etc.

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Table with columns for station name, frequency, power, and signal quality. Includes stations like R52A, R43A, R48A, etc.

Table with columns: Station Name, Elevation, Frequency, Mode, and other technical details. Includes stations like MSTX Muleshoe, W40A Wits Springs, W40A Wits Springs, etc.

Table with columns: Station Name, Elevation, Frequency, Mode, and other technical details. Includes stations like Z55A Blythe, Z51A Franklin, Z53A Monticello, etc.

Table with columns: Station Name, Elevation, Frequency, Mode, and other technical details. Includes stations like 656A Williston, 656A Williston, 757A Williston, etc.

Code Station Name Az° Azu° Phase ID Time Res
DZM Mont Dzumac 9.35 215 P Op ISC h m s ISC
P 02 24 07.2 +1.5

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, Res ISC. Includes stations like OGWZ Otaki Gorge, CAW Cannon Point, NZW Nelson, etc.

KRSC 29 02:31:45.5, 1.5, 52.84N, 160.24E, h50km, 14km, ML4.9
MOS 29 02:31:47.7, 0.9, 52.91N, 160.05E, h53km, mb4.8/24, Error
ellipse: s-maj=0.0km s-min=3.9km az=87.3

Main table for Kamchatka Peninsula stations. Columns: Code, Station Name, Az, Op, Phase ID, Time Res, Res ISC. Includes stations like SPN Mys Shipunski, SDLR Sedlovina, UGLR Uglovaya, etc.

Main table for various stations. Columns: Code, Station Name, Az, Op, Phase ID, Time Res, Res ISC. Includes stations like BDR Baidarnaya, SMKR Semkarok, SRRK Sorokina, etc.

Main table for various stations. Columns: Code, Station Name, Az, Op, Phase ID, Time Res, Res ISC. Includes stations like ESK Eskdalemuir, ESK Eskdalemuir, ESK Eskdalemuir, etc.

AZER 29 02:36:35.2, 1.0, 38.19N, 43.52E, h2km, m13, 6/7, Error
ellipse: s-maj=10.2km s-min=8.8km az=102.0
ISK 29 02:36:37.2, 38.74N, 43.57E, h5km, ML3.3/20
DZ 29 02:36:37.1, 38.74N, 43.68E, h5km, ML3.6
CSEM 29 02:36:38.0, 0.2, 37.73N, 43.57E, h5km, ML3.3, Error
ellipse: s-maj=4.5km s-min=3.5km az=114.0

Table with columns: Station Name, Az, Elevation, Azimuth, Frequency, and other parameters. Includes stations like VANB Van, VMUR Van-Muradiye, etc.

Table with columns: Code, Station Name, Az, Elevation, Azimuth, Frequency, and other parameters. Includes stations like BIPH Bislig, MATI Mati, DAV Davao City, etc.

Table with columns: WHN Wuhuan, JNU Nakatsue, MDSI Maura Dava, NAYO Nakayok, etc. Includes various station codes and parameters.

BUJ 29 03:04:34.0, 7.32N, 127.04E, h83km, mb4.9/47, mb5.0/29, Ms4.3/22, Ms7.4/22, MAN 29 03:04:38.7, 7.86N, 126.47E, h8km, mb5.6, ML4.6, MS5.0, DJA 29 03:04:39.9, 1.6, 8 N, 4 x 12 7E, h30km, 13km, M5.0/35, mb5.4/19, mb5.0/35, MLV5.5, Mw(mb)4.8/19, ISCBJ 29 03:04:40.0, 1.0, 4, 7.95N, 0.02x126.67E, 0.03, h82km, 3km, mb4.8/167, Error ellipse: s-maj=4.7km s-min=2.8km az=166.0, IDC 29 03:04:40.9, 0.9, 7.94N, 126.47E, h73km, 7km, mb4.6/51, mb1.4/753, mb1mx4.7/63, mbtmp5.0/53, MS3.8/26,

29d 3h

Table with columns for station name, frequency, mode, and coordinates. Includes stations like MSHR Mys Shultsa, LZH Lanzhou, MEKEE Meekatharra, and many others.

2012 JUL

Table with columns for station name, frequency, mode, and coordinates. Includes stations like PKIN Phulchoki, KKN Kakan, DMN Daman, GKN Gorkha, and many others.

1466

Table with columns for station name, frequency, mode, and coordinates. Includes stations like TIXI, BVAV Borovoye Array, BVAR Borovoye Array, and many others.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ANN, DAWY, ASF, INK, SIM, SPITS, ARCES, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KHC, KHC, KHC, KHC, SOKA, GEC2, GEC2, GEC2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DMPH, DMPH, SKMP, Bagumbayan, Su, Musuban, etc.

ICD 29 03:27:48.2, 0.7: 6.07N; 125.48E, h112km, 5km, mb4.1/29, mb3.4/1.29, mb1mx0.4/59, mbtp4.4/29, MS2.8/1, Ms1 2.8/1, ms1mx2.4/56, Error ellipse: s-maj=17.2km s-min=8.3km az=76.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, STKA Stephens Creek, H11S3 WAKE ISLAND Hy 41.70, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DJA 29 03:35:41.2, 2.8, 34.52N, 141.18E, h0km, mb3.4/3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO3 Boso 3, BSO1 Boso 1, BSO4 Boso 4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHU2 Mitsune, JHU Hachioji jima 2, JHU 86nm, 0.3s, baz=99, slow=12, SNR=21, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 29 03:46:01.6, 3.9, 15.735N, 173.75W, h0km, mb3.6/3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 29 03:47:40.7, 2.1, 1.44S, 127.93E, h0km, mb3.1/2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEX 29 03:52:19.4, 0.8, 15.16N, 93.05W, h80km, 11km, MD4.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 29 04:10:22.4, 1.2, 1.64N, 124.56E, h0km, mb3.8/7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 29 04:19:58.5, 3.4, 36.36N, 71.43E, h149km, 28km, mb3.3/9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 29 04:19:59.9, 1.0, 36.60N, 0.10, 71.28E, 0.08, h150km, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 29 03:35:41.2, 2.8, 34.52N, 141.18E, h0km, mb3.4/3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TORD Torodi Ar. Bea, YKA Yellowknife Ar, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAN 29 04:21:11.5, 12.36N, 123.69E, h9km, mb4.2, ML3.0, MS2.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NIED 29 05:05:20.35, 70N, 140.60E, h53km, Mw4.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHOU Choshi, JIHU Itakohinouch, JCN Nagara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 29 05:29:26.2, 5.1745S, 177.82W, h0km, mb4.0/4, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WEL 29 05:35:52.1, 38.57N, 18.0W, h33km, ML3.8/12, East of North Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAGZ Rawiri, KNZ Kokohu, WHHZ Waihua, etc.

ISCJB 29 05:45:13.7-0.8, 38.73N-0.03:43.65E-0.06, h15km±4km, Error ellipse: s-maj=8.4km s-min=4.9km az=21.1

CSEM 29 05:45:13.3-0.3, 38.73N-0.03:43.59E, h10km, ML2.1, Error ellipse: s-maj=8.0km s-min=4.8km az=114.0

DDA 29 05:45:13.0, 38.71N-0.03:43.59E, h7km, ML2.7, Error ellipse: s-maj=8.0km s-min=4.8km az=114.0

ISC 29 05:45:13.4-0.9, 38.74N-0.03:43.59E-0.03, h17km±6km, n24, r122/43, Turkey

Main table for station 1469, listing stations like VANB Van, GYVA Gevas, ADCV ADCV, etc.

IDC 29 05:50:54.9-6.8, 15.67S-174.16E, h0km, mb3.6/3, mb1 4.0/3, mb1mx3.5/4.3, mbtmp3.6/3, MS3.3/10

Table for station 1469, listing stations like DZM Mont Dzumac, AFI Afiamalu, HNR Honia, etc.

IDC 29 05:59:22.8-2.1, 2.06N-127.62E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.2/5.7, mbtmp3.4/3, Error ellipse: s-maj=149.6km s-min=25.1km az=67.0, Northern Molucca Sea

Table for station 1469, listing stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

NIED 29 06:09:00, 37.50N-144.20E, h5km, Mw4.3 Best double couple: Ms3.03000±0.1015 NP1±0.530000±0.16.00000±, λ-99.00000±, NP2±242.00000±, δ74.00000±, λ-87.00000±

IDC 29 06:09:48.7-0.5, 37.21N-144.51E, h0km, mb4.1/24, mb1 4.3/30, mb1mx4.1/7.1, mbtmp4.1/30, ML3.3/5, MS3.3/29, Ms1 3.3/29, ms1mx3.1/7.4, Error ellipse: s-maj=14.9km s-min=12.8km az=138.0

BUI 29 06:09:49.1, 37.35N-144.49E, h13km, mb4.5/22, mb4.8/15, Ms4.0/9, Ms7 3.8/9

NEIC 29 06:09:50.9-2.1, 37.26N-144.41E, h11km±13km, mb4.6/62, Error ellipse: s-maj=5.5km s-min=4.1km az=143.0

ISCJB 29 06:09:53.0-0.2, 37.37N-0.03:44.23E-0.02, h33km, mb4.4/102, MS3.5/25, Error ellipse: s-maj=4.7km s-min=2.5km az=171.7

JMA 29 06:09:53.0-0.3, 37.45N-144.21E, h54km, M4.5, MOS 29 06:09:57.6-1.5, 37.65N-144.26E, h62km, mb4.7/24, Error ellipse: s-maj=10.1km s-min=6.5km az=114.0

ISC 29 06:09:54.6-0.5, 37.34N-0.05:144.39E-0.05, h35km±n238, r158/244, mb4.5/102, MS3.6/25, 16C-15D, Off east coast of Honshu

Table for station 1469, listing stations like JIO Ouri, JIO Ofunato, OFU Ofu, etc.

Main table for station 1470, listing stations like ERM Erimo, JOT Ohata, MJAR Matsushiro Arr, etc.

Main table for station 1471, listing stations like SONM Talaya, TLY Talaya, ZAK ZAK, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like FINES, FINESS, MODC, J08A, ORV, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like TLB, DOPR, MLR, BR21, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res. Includes stations like ASAR, ARCES, HFS, NOA, etc.

ISCJB 29 09:20:53.1±0.1, 47:37N, 0101:139:09E, 0.01, h492km, 1km, mb5.5/811, Error ellipse: s-maj=1.8km s-min=1.4km az=157.9
 BUJ 29 09:20:53.4, 47:35N, 139:09E, h498km, mb6.0/75, mB5.6/42
 NEIC 29 09:20:54.0±0.0, 47:26N, 139:16E, h510km, Moment Tensor Solution. s28 Moment tensor: Scale 10¹⁷Nm; M₀=2.87; M₁=-0.46; M₂=2.41; M₃=0.91; M₄=0.87; M₅=0.25; Best double couple: M₀:3.00000×10¹⁷ NP1: 0.214.00000°, 652.00000°, 1106.00000°. NP2: 0.8.00000°, 841.00000°, 170.00000°. Principal axes: T 3.1000, Plg75.0000°, Azm178.0000°, N -0.3000, Plg12.0000°, Azm23.0000°, P -2.7900, Plg65.0000°, Azm292.0000°.
 NEIC 29 09:20:55.0±0.1, 47:38N, 139:07E, mb5.6/294, MW5.7, MW5.6 Error ellipse: s-maj=2.2km s-min=1.6km az=146.0, Moment Tensor Solution. s53 Moment tensor: Scale 10¹⁷Nm; M₀=3.76; M₁=0.58; M₂=4.34; M₃=2.33; M₄=-1.29; M₅=0.99; Best double couple: M₀:5.00000×10¹⁷ NP1: 0.218.00000°, 860.00000°, 1119.00000°. NP2: 0.350.00000°, 841.00000°, 150.00000°. Principal axes: T 5.0000, Plg63.0000°, Azm176.0000°, N -0.0500, Plg25.0000°, Azm23.0000°, P -4.9500, Plg11.0000°, Azm288.0000°.

NEIC Felt at Vostochnoye. Recorded [1 JMA] in south-central and northern Hokkaido, Japan. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu.
 IDC 29 09:20:55.1±0.3, 47:36N, 139:10E, h505km, 2km, mb5.0/65, mb1 5.0/76, mb1mx5.0/79, mbtms5.8/76 Error ellipse: s-maj=4.8km s-min=4.3km az=69.0

GCMT 29 09:20:55.0±0.1, 47:29N, 138:90E, h507km, 1km, MW5.7/123, Moment Tensor Solution. s123,c234; s61,c64; Duration: 1±8 Moment tensor: Scale 10¹⁷Nm; M₀=3.46±0.05; M₁=0.83±0.08; M₂=4.29±0.08; M₃=2.05±0.08; M₄=-0.86±0.07; M₅=1.23±0.08; Best double couple: M₀:4.89200×10¹⁷ NP1: 0.214.00000°, 861.00000°. NP2: 0.345.00000°, 840.00000°. Principal axes: T 4.6310, Plg62.0000°, Azm171.0000°, N 0.1230, Plg25.0000°, Azm19.0000°, P -4.7520, Plg11.0000°, Azm283.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s.

ISC 29 09:20:55.0±0.2, 47:39N, 02:139:13E, 0.02, h506km, 1km, h505km, pP, n2580, c1944/3259, mb5.5/676, 101C-167D, Primorye

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	ISC
YSS	Yuzh-Sakhalins	2.51	99	iP	P	09 22 02.6	-0.8	
YSS	40μm,0.5s			AMB	AMB	09 22 03.8		
YSS	37μm,0.5s			AMB	AMB	09 22 04.0		
YSS	76μm,3.0s			eS	S	09 22 56.6	-2.5	
YSS	48μm,1.1s			A	A	09 22 58.3		
YSS	19μm,1.1s			A	A	09 22 58.5		
YSS	Yuzh-Sakhalins	2.51	99	iPN	P	09 22 02.6	-0.8	
YSS	comp=Z,41μm,0.6s			eS	S	09 22 57.5	-1.6	
YSS	comp=E,16μm,0.8s			pmax	pmax			
YSS	comp=Z,43μm,0.7s			pmax	pmax			
YSS	comp=E,19μm,0.8s			pmax	pmax			
YSS	comp=E,76μm,2.8s			smax	smax			
YSS	comp=N,51μm,1.0s			smax	smax			
YSS	comp=E,22μm,0.9s			MLR	MLR			
YSS	comp=Z,6μm,5.0s			MLR	MLR			
UGL	Uglegorsk	2.59	48	iP	P	09 22 03.6	-0.1	
UGL	comp=Z,24μm,0.9s			AMB	AMB	09 22 05.0		
UGL	comp=Z,40μm,1.0s			AMB	AMB	09 22 05.0		
UGL	comp=Z,84μm,2.4s			eS	S	09 22 58.5	-1.4	
UGL	comp=Z,142μm,2.4s			A	A	09 23 01.0		
UGL	comp=Z,24μm,2.4s			A	A	09 23 01.0		
UGL	comp=Z,10μm,1.0s			A	A	09 23 01.5		
UGL	comp=Z,20μm,1.0s			A	A	09 23 01.5		
JRR	Rishiri	2.71	145	iP	P	09 22 03.4	-1.3	
JRR	comp=Z,20μm,1.0s			P	P	09 22 03.0	-1.0	
JWK2	Keihoku	2.82	136	iP	P	09 22 03.8	-1.6	
JWK2	comp=Z,20μm,1.0s			P	P	09 22 03.0	-2.3	
TEY	Ternei	2.93	218	iP	P	09 22 05.1	-1.0	
TEY	comp=Z,3μm,1.2s			AMB	AMB	09 22 06.2		
TEY	comp=Z,34μm,6.0s			iS	S	09 23 02.4	-1.5	
TEY	comp=Z,15μm,6.0s			A	A	09 23 03.7		
TEY	Ternei	2.93	218	iPN	P	09 22 05.1	-1.0	
TEY	comp=Z,3μm,1.2s			eS	S	09 22 59.4	-4.5	
TEY	comp=E,1μm,1.4s			pmax	pmax			
TEY	comp=N,2μm,1.7s			smax	smax			
TEY	comp=N,34μm,5.0s			smax	smax			
TEY	comp=N,7μm,16.0s			MLR	MLR			
KHBR	Khabarovsk	2.95	293	iP	P	09 22 06.5	+0.5	
KHBR	comp=Z,28μm,0.3s			erx	rx	09 22 59.3		
KHBR	comp=Z,28μm,0.3s			eS	S	09 23 03.9	-0.1	
JYG	Yagishiri	3.37	151	iP	P	09 22 07.1	-2.0	
JYG	comp=Z,28μm,0.3s			eS	S	09 22 06.2	-3.1	
JSE	Soyas	3.42	134	iP	P	09 22 07.1	-2.3	
JSE	comp=Z,28μm,0.3s			eS	S	09 23 05.9	-4.0	
JSS	Shosan	3.54	147	iP	P	09 22 08.8	-1.6	
GRNR	Gornyy	3.82	333	iP	P	09 22 12.4	+0.1	
GRNR	comp=N,1μm,0.5s			AMB	AMB	09 22 12.8		
GRNR	comp=N,1μm,0.5s			A	A	09 23 15.3		
GRNR	Gornyy	3.82	333	iPN	P	09 23 15.4	+0.1	
GRNR	comp=Z,28μm,0.3s			eS	S	09 22 15.5	+3.2	
GRNR	comp=E,480nm,0.5s			pmax	pmax	09 23 18.2	+2.7	
GRNR	comp=Z,1μm,0.5s			pmax	pmax			
GRNR	comp=E,1μm,0.5s			smax	smax			
GRNR	comp=E,1μm,0.5s			smax	smax			
ASAJ	Asahikawa	4.07	142	iP	P	09 22 12.4	-2.1	
ASAJ	comp=Z,890nm,0.3s			baz=308,slow=6,SNR=2014				
ASAJ	comp=Z,28μm,0.3s			baz=113,slow=28,SNR=7.1		09 23 16.0	-3.3	
ASAJ	Asahikawa	4.07	142	iP	P	09 22 12.1	-2.4	
JHR	Hokuryu	4.08	152	iP	P	09 22 12.9	-1.9	
JSK	Shakotan	4.15	166	iP	P	09 22 12.8	-2.3	
JSK	comp=Z,1μm,12.0s			eS	S	09 23 16.0	-4.3	
JKK2	Kamakawa 2	4.34	143	iP	P	09 22 14.4	-2.3	
JAB	Ashibetsu	4.45	150	iP	P	09 22 15.5	-2.1	
JMP	Maruseppu	4.50	137	iP	P	09 22 15.4	-2.6	
JTKR	Abashiri-Toko	4.79	134	iP	P	09 22 18.0	-2.4	
JSH	Shimam	4.79	172	iP	P	09 22 17.9	-2.6	
JEW	Eniwao	4.83	159	iP	P	09 22 18.8	-2.1	
JEW	comp=Z,28μm,0.3s			eS	S	09 23 27.0	-4.0	
JFR	Furan	4.88	149	iP	P	09 23 22.8	-3.1	
JNB	Noboribetsu	5.10	164	iP	P	09 22 20.5	-2.9	
JNB	comp=Z,28μm,0.3s			eS	S	09 23 30.4	-4.9	
JBT2	Biratori 2	5.15	152	iP	P	09 22 20.5	-3.2	

JAR	Ashorobuto	5.24	140	iP	P	09 22 22.0	-2.5	
JAR	comp=Z,25nm,0.3s			baz=102,slow=6,SNR=4743				
JAR	Kul'dur	5.26	293	iP	P	09 23 22.1	-5.5	
JAR	comp=Z,25nm,0.3s			baz=102,slow=6,SNR=4743				
KLR	Okushiri-Mats	5.31	177	iP	P	09 23 38.4	+0.6	
KLR	comp=Z,2.8nm,0.3s			baz=194,slow=23,SNR=15				
KLR	Okushiri-Mats	5.31	177	iP	P	09 31 11.6	+1.4	
JOSM	Yakumo 2	5.34	170	iP	P	09 22 22.7	-2.5	
JOSM	comp=Z,0.1nm,0.3s			baz=50,slow=0.8,SNR=7.8				
JRA	Rausu	5.44	127	iP	P	09 22 23.2	-2.9	
JOB	Onbets	5.48	142	iP	P	09 22 23.9	-2.4	
JCH	Churui	5.64	146	iP	P	09 22 24.2	-3.5	
JCH	comp=Z,28μm,0.3s			eS	S	09 22 23.7	-4.5	
JKB	Kayabe	5.67	165	iP	P	09 23 35.7	-8.5	
JKB	comp=Z,28μm,0.3s			eS	S	09 23 35.1	-3.1	
JNBK	Urakawa-nobuka	5.72	152	iP	P	09 23 38.9	-5.9	
JNBK	comp=Z,28μm,0.3s			eS	S	09 23 38.2	-7.5	
LAGR	Lagunnoye	5.73	123	iP	P	09 22 27.2	-1.8	
LAGR	comp=Z,5μm,0.6s			AMB	AMB	09 22 27.2	-1.8	
LAGR	comp=Z,8μm,0.6s			AMB	AMB	09 22 41.0		
LAGR	comp=Z,7μm,0.6s			AMB	AMB	09 22 41.0		
LAGR	Lagunnoye	5.73	123	ePN	P	09 23 42.3	-3.5	
LAGR	comp=Z,8μm,0.6s			eS	S	09 23 27.2	-1.8	
LAGR	comp=Z,7μm,0.6s			eS	S	09 23 42.3	-3.5	
LAGR	Lagunnoye	5.73	123	ePN	P	09 23 42.3	-3.5	
LAGR	comp=E,8μm,0.6s			pmax	pmax			
GRPR	Tuman	5.76	124	eP	P	09 22 27.5	-1.8	
GRPR	comp=N,1μm,0.5s			AMB	AMB	09 22 30.0		
GRPR	comp=N,3μm,0.5s			AMB	AMB	09 22 30.0		
GRPR	comp=N,3μm,0.5s			AMB	AMB	09 22 30.0		
GRPR	Tuman	5.76	124	ePN	P	09 23 43.2	-3.2	
GRPR	comp=N,1μm,0.5s			eS	S	09 23 43.2	-3.2	
GRPR	comp=N,3μm,0.5s			eS	S	09 23 43.2	-3.2	
GRPR	comp=Z,3μm,0.4s			pmax	pmax			
GRPR	comp=E,3μm,0.8s			pmax	pmax			
GRPR	comp=N,1μm,0.5s			pmax	pmax			
GLVR	Golovnino	5.78	127	eP	P	09 22 27.3	-2.2	
GLVR	comp=N,1μm,0.3s			AMB	AMB	09 22 32.4		
GLVR	comp=N,1μm,0.3s			AMB	AMB	09 22 32.4		
GLVR	comp=N,5μm,0.3s			AMB	AMB	09 22 32.4		
GLVR	Golovnino	5.78	127	ePN	P	09 23 42.0	-4.8	
GLVR	comp=Z,5μm,0.4s			eS	S	09 22 27.3	-2.2	
GLVR	comp=N,1μm,0.2s			pmax	pmax			
GLVR	comp=N,1μm,0.2s			pmax	pmax			
GLVR	comp=N,1μm,0.2s			pmax	pmax			
YUK	Yuzh-Kuril'sk	5.79	123	iP	P	09 22 26.8	-2.7	
YUK	comp=E,2μm,0.7s			AMB	AMB	09 22 32.6		
YUK	comp=E,2μm,0.7s			AMB	AMB	09 22 32.6		
YUK	comp=E,4μm,0.7s			AMB	AMB	09 22 32.6		
YUK	Yuzh-Kuril'sk	5.79	123	iPN	P	09 23 41.8	-5.0	
YUK	comp=Z,4μm,0.7s			iS	S	09 23 41.8	-5.0	
YUK	comp=N,2μm,0.4s			pmax	pmax			
YUK	comp=E,2μm,0.4s			pmax	pmax			
YUK	comp=E,841nm,12.0s	</						

Table with columns for station name, frequency, and various signal quality indicators (e.g., S, P, eP, pmax).

Table with columns for station name, frequency, and various signal quality indicators (e.g., S, P, eP, pmax).

Table with columns for station name, frequency, and various signal quality indicators (e.g., S, P, eP, pmax).

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like KMRS, XMAS, GAZ, HVU, MORC, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like HUMR, NRS, CWC, GRAC, R11A, etc.

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

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SZCU, MOA, MOA, MOA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MMAL, STU, STU, STU, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PV03, RAYN, RAYN, RAYN, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like N37A Lee Faris, Mou, N37A Lee Faris, Mou, K41A Shullsburg, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like M46A Old House Field, P42A Winchester, P42A Winchester, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like O49A Covington, V39A Pettigrew, S43A Fulton, etc.

KEST	comp=Z,2.7nm,0.5s,baz=289,slow=3.9,SNR=4.2	PKKPbc	PKKPbc	09 50 38.5 +2.0
KEST	Kesra comp=Z,49nm,1.0s	85.82 321 eP	eP	09 32 40.9 +0.3
KEST			pP	09 34 32.6 +0.8
KEST			PKKPbc	09 50 38.5 +2.0
PVMO	Portageville comp=Z,1.16nm,1.1s	85.83 38 eP	eP	09 32 40.8 +0.3
HPIG	comp=Z,100nm,1.2s	85.86 54 eP	eP	09 32 42.2 +1.1
HPIG			eP	09 34 34.6 +2.3
CMAH	Djebel Manchou	85.86 323 P	P	09 32 39.8 -1.0
G50A	Georgetown	85.94 32 P	P	09 32 40.8 -0.2
S47A	Hartford	85.94 35 P	P	09 32 40.3 -0.8
SLBS	Sierra La Lagu	85.95 59 eP	eP	09 32 42.6 +1.1
CAEH	'Ain El Oushch	85.96 323 P	P	09 32 40.4 -0.8
R49A	Shellyville	85.98 33 P	P	09 32 41.1 -0.1
G51A	Peebles	86.00 32 P	P	09 32 41.1 -0.2
V43A	Jonesboro	86.01 38 P	P	09 32 41.7 +0.3
T46A	Princeton	86.02 36 P	P	09 32 41.4 0.0
W42A	Bald Knob	86.03 39 P	P	09 32 41.7 +0.2
U44B	Burton Farm, H	86.03 37 P	P	09 32 41.6 +0.1
WHTX	Lake Whitney,	86.05 45 eP	eP	09 32 41.7 0.0
WHTX	Lake Whitney,	86.05 45 eP	eP	09 32 42.5 +0.8
GNAR	Gosnell	86.08 38 eP	eP	09 32 42.2 +0.6
UALR	University of	86.09 40 eP	eP	09 32 42.2 +0.4
GLAT	Glass	86.12 37 eP	eP	09 32 42.5 +0.6
X40A	Basin Creek Fa	86.12 41 P	P	09 32 41.9 0.0
X40A	Basin Creek Fa	86.12 41 eP	eP	09 32 43.0 +1.0
JCT	Junction City	86.13 48 P	P	09 32 41.9 -0.2
JCT	Junction City	86.13 48 eP	eP	09 32 42.6 +0.5
JCT	Junction City	86.13 48 eP	eP	09 32 42.6 +0.5
ABSA	Djebel Ababsia	86.14 323 P	P	09 32 41.4 -0.8
HBAR	Harrisburg	86.16 39 eP	eP	09 32 43.2 +1.2
PBRG	Bragano	86.17 335 eP	eP	09 32 41.9 -0.2
PBRG	Keystone Coile	86.18 25 eP	eP	09 34 33.4 0.0
KSPA			eP	09 32 41.9 -0.2
KSPA	Wiedeman Farm,	86.20 34 P	P	09 34 33.5 +0.1
UTMT	University of	86.23 37 eP	eP	09 32 42.9 +0.5
V44A	Blytheville	86.25 38 P	P	09 32 42.4 -0.1
THTN	Thala	86.25 322 eP	eP	09 32 43.2 +0.5
THTN			eP	09 34 35.5 +1.5
X41A	Kaden, Bauxite	86.25 40 P	P	09 32 42.4 -0.2
U45A	Rockin P Farm,	86.27 37 P	P	09 32 42.5 -0.1
R50A	Paris	86.30 33 P	P	09 32 42.6 -0.2
Y40A	Okolona	86.32 41 P	P	09 32 42.9 +0.1
CKFL	Kef-Lei	86.34 323 P	P	09 32 42.4 -0.7
T47A	Sharon Grove	86.38 35 P	P	09 32 42.9 -0.2
T47A	Sharon Grove	86.38 35 eP	eP	09 32 43.6 +0.5
S49A	Springfield	86.38 34 P	P	09 32 42.9 -0.3
SSPA	Standing Stone	86.38 27 P	P	09 32 42.6 -0.5
SSPA	Standing Stone	86.38 27 eP	eP	09 32 43.3 +0.2
HALT	Halls	86.41 38 eP	eP	09 32 44.0 +0.7
PGAV	Gaviera, ARC	86.45 336 eP	eP	09 32 43.4 -0.1
PGAV			eP	09 34 35.1 +0.2
HRV	Adam Dzewonsk	86.45 22 P	P	09 32 42.8 -0.6
HRV	Adam Dzewonsk	86.45 22 eP	eP	09 32 43.9 +0.5
HRV	Adam Dzewonsk	86.45 22 eP	eP	09 34 35.6 +0.8
HRV	Adam Dzewonsk	86.45 22 eP	eP	09 32 43.9 +0.5
HRV	Adam Dzewonsk	86.45 22 eP	eP	09 34 35.6 +0.8
QUA2	Belchertown	86.46 23 eP	eP	09 32 43.7 +0.3
U46A	Springleville	86.50 36 P	P	09 32 43.7 0.0
O56A	Blue Knob Stat	86.50 28 P	P	09 32 43.4 -0.3
O56A	Blue Knob Stat	86.50 28 eP	eP	09 32 44.0 +0.2
W43A	Forest City	86.53 39 P	P	09 32 44.2 +0.4
T48A	Bowling Green	86.55 35 P	P	09 32 43.7 -0.2
DFRA	Djebel Fou Aff	86.56 324 P	P	09 32 44.0 -0.1
R51A	Hillsboro	86.56 32 P	P	09 32 43.9 -0.1
X42A	Stuttgart	86.59 40 P	P	09 32 44.5 +0.4
PCAB	Cabril	86.62 336 eP	eP	09 34 44.1 -0.1
PCAB			eP	09 34 36.1 +0.4
WES	Weston	86.63 22 eP	eP	09 32 45.0 +0.8
WES	Weston	86.63 22 eP	eP	09 34 36.3 +0.7
WES	Weston	86.63 22 eP	eP	09 32 45.0 +0.8
WES	Weston	86.63 22 eP	eP	09 34 36.3 +0.7
MCWV	Mont Chateau	86.64 29 P	P	09 32 44.4 +0.1
MCWV	Mont Chateau	86.64 29 eP	eP	09 32 45.1 +0.7
V45A	Humboldt	86.71 37 P	P	09 32 44.5 -0.1
BCX	Boston College	86.72 22 eP	eP	09 32 44.8 +0.2
BCX			eP	09 34 36.8 +0.7
Y41A	Eagleette Beard	86.73 41 P	P	09 32 45.1 +0.3
CTEI	Djebel Teioual	86.76 323 P	P	09 32 43.0 -2.1
N59A	State Game Lan	86.77 26 P	P	09 32 44.5 -0.4
N59A	State Game Lan	86.77 26 eP	eP	09 32 45.0 0.0
N59A	Clarksville	86.78 36 P	P	09 34 36.5 0.0
U47A	Clarksville	86.78 36 eP	eP	09 32 45.0 -0.1
S50A	Richmond	86.81 33 P	P	09 32 45.0 -0.1
WVT	Waverly	86.83 36 P	P	09 32 45.3 0.0
WVT	Waverly	86.83 36 eP	eP	09 32 45.6 +0.4
WVT	Waverly	86.83 36 eP	eP	09 32 45.7 +0.4
WVT	Waverly	86.83 36 eP	eP	09 32 45.7 +0.4
MET	Memphis-09n	86.83 38 eP	eP	09 32 45.9 +0.6
MVO	Moncorvo	86.85 335 eP	eP	09 32 45.5 +0.1
MVO			eP	09 34 36.9 0.0
R52A	Catlettsburg	86.86 32 P	P	09 32 45.1 -0.3
W44A	Shelby Farms P	86.87 38 P	P	09 32 45.7 +0.3

POLO	Lamas de Olo	86.87 336 eP	eP	09 32 45.4 -0.1
POLO			eP	09 34 37.2 +0.2
T49A	Edmonton	86.89 34 P	P	09 32 45.3 -0.2
T49A	Edmonton	86.89 34 eP	eP	09 32 46.0 +0.4
Z40A	Long Farm, M7s	86.90 42 P	P	09 32 46.4 +0.8
X43A	Marvell	86.95 39 P	P	09 32 46.2 +0.4
X43A	Marvell	86.95 39 eP	eP	09 32 46.7 +0.9
ODNJ	Ogdensburg	86.95 25 eP	eP	09 32 45.5 -0.2
ODNJ			eP	09 34 38.1 +0.8
435B	Jarell	86.98 46 P	P	09 32 45.9 -0.2
435B	Jarell	86.98 46 eP	eP	09 32 47.2 +1.1
V46A	Holladay	87.00 37 P	P	09 32 45.8 -0.3
BRYW	Bryant College	87.01 22 eP	eP	09 32 46.5 +0.5
BRYW			eP	09 34 38.4 +0.8
U48A	Cassie Pea, Po	87.02 35 P	P	09 32 46.0 -0.1
CCAR	Carr Creek	87.07 40 eP	eP	09 32 47.8 +1.4
PAGS	Pennsylvania G	87.12 27 eP	eP	09 32 46.3 -0.2
PAGS			eP	09 34 39.0 +0.8
Y45A	Hickory Valley	87.12 38 P	P	09 32 46.8 +0.2
Y42A	Garnett, Star	87.13 40 P	P	09 32 47.5 +0.8
SS1A	Beattyville	87.14 33 P	P	09 32 46.4 -0.3
SS1A	Beattyville	87.14 33 eP	eP	09 32 47.0 +0.2
CKHR	Kef el Ahmar	87.16 324 P	P	09 32 47.3 +0.3
Z41A	Richard Creek	87.17 41 P	P	09 32 47.2 +0.3
Z41A	Richard Creek	87.17 41 eP	eP	09 32 47.9 +1.0
LUPA	York Univ	87.18 26 eP	eP	09 32 46.8 -0.1
YLE	Yale	87.20 24 eP	eP	09 32 46.8 0.0
V47A	Nunnely	87.22 36 P	P	09 32 47.0 -0.1
PAL	Palisades	87.22 24 P	P	09 32 46.7 -0.3
PAL	Palisades	87.22 24 eP	eP	09 32 47.2 +0.2
PAL	Palisades	87.22 24 eP	eP	09 34 39.3 +0.7
PAL	Palisades	87.22 24 eP	eP	09 32 47.2 +0.2
PAL	Palisades	87.22 24 eP	eP	09 34 39.3 +0.7
T50A	Nancy	87.22 34 P	P	09 32 47.0 -0.2
ES19	SONSECA Array	87.25 332 eP	eP	09 32 47.6 +0.3
X44A	Crenshaw	87.28 39 P	P	09 32 47.7 +0.3
SS2A	Salversville	87.29 32 P	P	09 32 47.3 -0.1
ESDC	Sonsec Array	87.29 332 P	P	09 32 47.4 -0.1
ESDC			eP	09 34 40.1 +1.0
ESDC			eP	09 36 21.4 +1.6
ESDC			eP	09 50 30.9 -2.3
ESDC			eP	09 58 42.6 -1.0
ESLA	Sonsec Array	87.29 332 eP	eP	09 32 47.8 +0.4
ESLA			eP	09 34 40.1 +1.0
U49A	Red Boiling Sp	87.31 35 P	P	09 32 47.5 0.0
PTO	Porto	87.31 336 eP	eP	09 32 47.5 +0.1
PTO			eP	09 34 39.6 +0.5
BRNJ	Basking Ridge	87.34 25 eP	eP	09 32 47.7 +0.2
140A	Cam and Jess,	87.34 42 P	P	09 32 48.5 +0.8
140A	Cam and Jess,	87.34 42 eP	eP	09 32 49.3 +1.6
CPNY	Central Park	87.41 25 eP	eP	09 32 48.3 +0.4
MVL	Millersville	87.44 27 eP	eP	09 32 48.0 0.0
Y43A	Makayla and K	87.44 40 P	P	09 32 49.9 +0.7
W46A	Milchic	87.47 37 P	P	09 32 48.1 -0.2
PVIS	Viseu	87.51 336 eP	eP	09 32 48.5 +0.1
PVIS	San Pablo	87.53 333 eP	eP	09 34 40.2 0.0
PVIS	San Pablo	87.53 333 eP	eP	09 32 48.9 +0.3
PAB	San Pablo	87.53 333 eP	eP	09 34 41.2 +0.8
PAB	San Pablo	87.53 333 eP	eP	09 32 48.9 +0.3
PAB	San Pablo	87.53 333 eP	eP	09 34 41.2 +0.8
Z42A	Norrel Spur, H	87.54 41 P	P	09 32 49.4 +0.7
RAR	Rarotonga	87.56 125 P	P	09 32 49.7 +0.9
RAR	Rarotonga	87.56 125 eP	eP	09 32 49.8 +1.1
NATX	Nacogdoches	87.57 43 P	P	09 32 49.7 +0.9
NATX	Nacogdoches	87.57 43 eP	eP	09 32 50.6 +1.8
NATX			eP	09 34 43.2 +2.3
V48A	Smith Brothers	87.58 36 P	P	09 32 48.6 -0.2
V48A	Smith Brothers	87.58 36 eP	eP	09 32 49.2 +0.5
OXF	Oxford	87.58 38 P	P	09 32 48.8 0.0
OXF	Oxford	87.58 38 eP	eP	09 32 49.2 +0.5
OXF	Oxford	87.58 38 eP	eP	09 32 49.3 +0.5
OXF	Oxford	87.58 38 eP	eP	09 32 49.3 +0.5
T51A	Gray	87.61 33 P	P	09 32 48.7 -0.2
X45A	UM Field Stati	87.66 38 P	P	09 32 49.2 0.0
141A	Papa Simpson,	87.67 42 P	P	09 32 50.1 +0.9
W47A	Westpoint	87.69 37 P	P	09 32 49.5 +0.1
MTE	Manteigas	87.70 335 eP	eP	09 32 49.5 +0.1
MTE	Manteigas	87.70 335 eP	eP	09 34 41.2 0.0
MTE	Manteigas	87.70 335 eP	eP	09 32 49.5 +0.1
Y44A	Strider, Charl	87.71 39 P	P	09 34 41.9 +0.7
PLAL	Pickwick Lake	87.73 37 eP	eP	09 32 49.5 +0.1
50A0	Jamestown	87.75 34 P	P	09 32 49.7 +0.1
240A	Hunter Patters	87.75 43 P	P	09 32 50.6 +0.9
240A	Hunter Patters	87.75 43 eP	eP	09 32 50.9 +1.2
PSUB	Penn St. - Bra	87.78 26 eP	eP	09 32 49.3 -0.3
SDMD	Soldier's Dell	87.83 27 eP	eP	09 32 49.8 0.0
T52A	Hallie	87.83 32 P	P	09 32 50.3 +0.3
Ouz	Omahuta	87.85 152 eP	eP	09 32 53.1 +3.3
Ouz	Omahuta	87.85 152 P	P	09 32 53.0 +3.3
X46A	Bohneville	87.88 38 P	P	09 32 50.2 0.0
Z43A	Armstrong Fami	87.90 40 P	P	09 32 50.9 +0.6

V49A	McMinnville	87.91 35 P	P	09 32 50.2 -0.2
W48A	Pulaski	88.05 36 P	P	09 32 51.1 +0.1
Y45A	Year Farm, C	88.08 39 P	P	09 32 51.6 +0.5
833A	Chaparral WMA,	88.08 49 P	P	09 32 52.0 +0.7
833A	Chaparral WMA,	88.08 49 eP	eP	09 32 53.1 +1.8
833A			eP	09 34 45.2 +0.6
U51A	La Follette	88.10 34 P	P	09 32 50.9 -0.4
COI	Combra	88.13 336 eP	eP	09 32 51.4 +0.2
COI			eP	09 34 43.4 +0.2
TZTN	Tazewell	88.13 33 P	P	09 32 51.5 +0.1
TZTN	Tazewell	88.13 33 eP	eP	09 32 51.8 +0.4
142A	Monroe	88.15 41 P	P	09 32 52.6 +1.1
241A	Mo Tay, Golden	88.16 42 P	P	09 32 52.5 +1.0
241A	Mo Tay, Golden	88.16 42 eP	eP	09 32 53.3 +1.8
Z44A	Pea Ridge, Bel	88.20 40 P	P	09 32 52.4 +0.7
PCBR	Castelo Branco	88.20 335 eP	eP	09 32 51.5 -0.1
PCBR			eP	09 34 43.4 -0.2
X47A	Russelville	88.22 37 P	P	09 32 51.5 -0.3
143A	Socs Landing,	88.26 41 P	P	09 32 52.7 +0.7
143A	Socs Landing,	88.26 41 eP	eP	09 32 53.5 +1.5
PCAS	Casimiro, Conde	88.29 336 eP	eP	09 32 51.9 -0.2
PCAS			eP	09 34 44.1 +0.1
V50A	Pikeville	88.31 35 P	P	09 32 51.9 -0.3
U52A	Thorn Hill	88.33 33 P	P	09 32 52.3 0.0
W49A	Belvidere	88.34 36 P	P	09 32 52.0 -0.4
Y46A	Houston	88.35 38 P	P	0

29d 9h

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like 247A Carollton, 146A Northport, 146A Union, etc.

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Table with columns for call sign, frequency, mode, and other parameters. Includes stations like ZAIG Zacatecas, 348A Jackson, 348A Jackson, etc.

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Table with columns for call sign, frequency, mode, and other parameters. Includes stations like 456A Hilliard, 456A Hilliard, 555A McAlpin, etc.

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

ISC 29 10:27:30.2, 0.8, 17.3S, 0.2, 178.9W, 0.1, h539km, mb4.2/6, Error ellipse: s-maj=3.2km s-min=10.9km az=156.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like SNAa Snae, VNA3 Neumayer-Stat, VNA3 Neumayer Olymp, QSPA South Pole Qui, etc.

ISC 29 10:34:17.3, 1.8, 52.53S, 19.30E, h0km, mb3.6/2, mb1 3.7/2, mb1mx3.4/47, mbtmp3.6/2, Error ellipse: s-maj=69.1km s-min=51.2km az=66.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like ROC1 El Roble, PEL Peldehue, CLCH Cerro Calan, GO05 Hualae0, etc.

ISC 29 11:03:59.2, 7.1, 17.63S, 173.16W, h0km, mb3.5/2, mb1 3.8/4, mb1mx3.3/47, mbtmp3.9/4, Error ellipse: s-maj=73.4km s-min=13.9km az=124.0, New Britain region

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

ISC 29 11:09:52.7, 1.1, 17.63S, 173.16W, h0km, mb3.6/9, mb1 4.1/7, mb1mx3.7/54, mbtmp3.9/7, ML3.6/1, MS3.5/3, Ms1 3.5/3, ms1mx2.8/43, Error ellipse: s-maj=50.8km s-min=20.2km az=134.0

ISC 29 11:09:55.0, 6.6, 17.47S, 0.10, 173.3W, 0.1, h28km, mb4.4/15, MS3.9/2, Error ellipse: s-maj=21.6km s-min=7.7km az=34.5

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, AS01 Alice Springs, AS31 Alice Springs, etc.

NIED 29 11:21:00, 38.00N, 144.10E, h5km, Mw4.2 Best double couple: M2.440000, 1015 NP1.39, 176.00000, 836.00000, lambda-104.00000, NP2.39, 13.00000, 855.00000, lambda-80.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like JMA 29 11:21:44.9, 0.2, 38.02N, 144.15E, h46km, ML5, NEIC 29 11:21:45.4, 1.1, 37.92N, 144.20E, h23km, mb4.7/130, etc.

ISC 29 11:21:44.2, 0.0, 38.02N, 144.15E, h46km, ML5, Error ellipse: s-maj=4.1km s-min=2.8km az=156.0

MOS 29 11:21:45.1, 0.8, 38.10N, 144.16E, h27km, mb4.9/66, Error ellipse: s-maj=7.6km s-min=4.9km az=115.3

BUI 29 11:21:46.5, 38.25N, 144.16E, h40km, mb4.7/43, MB4.8/22, Ms4.1/27, Ms7.4/026

ISC 29 11:21:44.2, 0.0, 38.02N, 144.15E, h46km, ML5, Error ellipse: s-maj=4.1km s-min=2.8km az=156.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like YSS comp=E,40nm,1.1s, CBIJ Chichijima, USRK Ussuriysk Arr, etc.

Table with columns: Code, Station Name, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes stations like LVV, PV21, PV23, etc.

Table with columns: Code, Station Name, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes stations like BFO, BFO, PDG, etc.

Table with columns: Code, Station Name, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes stations like ROVR, ROVR, ROVR, etc.

IDC 29 11:52:35.2+1.6, 3'18N; 97°05'E, h0km, mb3.4/5, mb1 3.6/5, mb1mx3.3/65, mbtmp3.4/5, Error ellipse: s-maj=58.5km s-min=18.5km az=46.0
DJA 29 11:52:39.7+0.2, 3'N; 2°9'E, h10km, M3.6/11, MLv3.6/11
ISC 29 11:52:38.2+0.9, 3'22N; 0°04'97.19E; 0°04, h9km, 5km, n15, e1947/21, mb3.3/5, Northern Sumatra

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like San Jacinto, Nacogdoches, Crawfordville, Oxford, Waterloo, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Lumpkin, Guyana, Louisville, Yulee, Pearson, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Russellville, Monticello, Pamco, Carlsbad, Rockmart, etc.

TPNV	Topopah Spring	30.94 321	eP	P	12 28 30.8 +2.8
TPNV	comp=Z,331nm,1.9s			pmax	
TPNV			MLR	MLR	
SNCC	San Nicolas Is	30.95 312	PFAKE		12 28 40.0 +12
SNCC			LR	LR	
G39A	Holcombe	30.96 2	P	P	12 28 28.4 +0.5
	baz=182,SNR=8.4				
ODNJ	Ogdensburg	30.98 27	eP	P	12 28 27.4 -0.6
	comp=Z,67nm,1.2s				
G40A	Rib Lake	30.99 3	P	P	12 28 28.4 +0.3
	baz=184				
G40A	Rib Lake	30.99 3	eP	P	12 28 28.3 +0.2
	comp=Z,19nm,1.0s				
FURC	Furnace Creek	31.01 320	P	P	12 28 30.1 +1.7
	baz=129,SNR=16				
JLU	Jordanelle	31.02 331	eP	P	12 28 31.0 +2.3
	comp=Z,104nm,1.5s				
JLU			LR	LR	
CPNY	Central Park	31.03 28	PFAKE		12 28 40.0 +12
CPNY			LR	LR	
MMNY	Mt. Morris Dam	31.07 21	eP	P	12 28 27.3 -1.5
	comp=Z,10um,20.0s				
MMNY			LR	LR	
BLG	Laguna Peak, P	31.08 314	P	P	12 28 30.3 +1.2
	baz=123				
G42A	Mountain	31.10 6	P	P	12 28 29.5 +0.5
	baz=187				
G42A	Mountain	31.10 6	eP	P	12 28 27.3 -1.8
	comp=Z,57nm,1.4s				
OSI	Osito Audit: C	31.12 315	P	P	12 28 31.5 +2.0
	baz=124				
OSI	Osito Audit: C	31.12 315	eP	P	12 28 31.6 +2.0
	comp=Z,76nm,1.4s				
OSI			LR	LR	
MPMC	Manual Prospec	31.16 319	P	P	12 28 31.4 +1.4
	baz=128,SNR=25				
BBSR	BB Station	31.16 50	PFAKE		12 28 40.0 +10
BBSR			LR	LR	
G43A	Wallace	31.19 7	P	P	12 28 30.4 +0.5
	baz=189				
GLMI	Graying	31.22 11	eP	P	12 28 29.2 -0.9
	comp=Z,3nm,0.9s				
CTU	Camp Tracy	31.23 331	eP	P	12 28 32.8 +2.4
	comp=Z,59nm,1.0s				
CTU			LR	LR	
PAL	Palisades	31.23 28	P	P	12 28 29.3 -0.9
	baz=216				
PAL	Palisades	31.23 28	eP	P	12 28 28.6 -1.6
	comp=Z,67nm,1.4s				
PAL	Palisades	31.23 28	eP	P	12 28 28.6 -1.6
	comp=Z,10um,20.0s				
PAL	Palisades	31.23 28	eP	P	12 28 28.6 -1.6
	comp=Z,67nm,1.4s				
PAL			MLR	MLR	
BINY	Binghamton	31.33 24	P	P	12 28 30.2 -0.9
	baz=212,SNR=19				
BINY	Binghamton	31.33 24	eP	P	12 28 30.3 -0.9
	comp=Z,83nm,1.0s				
RSSD	Black Hills	31.35 344	P	P	12 28 32.3 +0.8
	baz=158				
RSSD	Black Hills	31.35 344	eP	P	12 28 32.2 +0.6
	comp=Z,13nm,0.8s				
RSSD			LR	LR	
DUG	Dugway, Tooele	31.35 329	P	P	12 28 33.8 +2.3
	baz=140,SNR=24				
DUG	Dugway, Tooele	31.35 329	eP	P	12 28 33.8 +2.3
	comp=Z,224nm,1.9s				
DUG			LR	LR	
DUG	Dugway, Tooele	31.35 329	P	P	12 28 33.8 +2.3
	comp=Z,220nm,1.9s				
DUG			pmax	pmax	
DAC	Darwin (Calif)	31.36 319	eP	P	12 28 32.1 +0.4
	comp=Z,43nm,1.2s				
DAC	Darwin (Calif)	31.36 319	eP	P	12 28 32.1 +0.4
	comp=Z,13um,20.0s				
DAC	Darwin (Calif)	31.36 319	eP	P	12 28 32.1 +0.4
	comp=Z,43nm,1.2s				
DAC			MLR	MLR	
F37A	Hinrichs Farm,	31.38 360	P	P	12 28 32.4 +0.9
	baz=179				
TCUT	Toone Canyon	31.41 332	eP	P	12 28 34.8 +2.6
	comp=Z,210nm,1.0s				
ARVC	Arvin	31.49 316	P	P	12 28 35.2 +2.6
	baz=125,SNR=6.8				
R11A	Troy Canyon, C	31.49 324	P	P	12 28 34.6 +1.8
	baz=133,SNR=32				
R11A	Troy Canyon, C	31.49 324	eP	P	12 28 35.1 +2.3
	comp=Z,96nm,1.5s				
R11A			LR	LR	
F41A	Three Lakes	31.53 5	P	P	12 28 34.2 +1.4
	baz=186				
ISA	Isabella, Lake	31.56 317	P	P	12 28 35.0 +1.6
	baz=128,SNR=11				
ISA	Isabella, Lake	31.56 317	eP	P	12 28 35.7 +2.4
	comp=Z,115nm,1.8s				
ISA			eP	P	12 31 27.5 +2.2
ISA			LR	LR	
ISA	Isabella, Lake	31.56 317	eP	P	12 28 35.7 +2.4
	comp=Z,8um,19.0s				
ISA			pmax	pmax	
ISA			MLR	MLR	
F39A	Loretta	31.60 2	P	P	12 28 33.9 +0.4
	baz=182				
F38A	Pierce - Schro	31.62 1	P	P	12 28 34.3 +0.7
	baz=181,SNR=9.4				
F40A	Park Falls	31.64 3	P	P	12 28 34.6 +0.7
	baz=184,SNR=6.1				
GRAC	Grapevine Rang	31.66 320	P	P	12 28 36.5 +2.4
	baz=129,SNR=15				
CWC	Cottonwood Cre	31.77 319	P	P	12 28 36.9 +1.6
	baz=127				
F43A	Flat Rock, Esc	31.81 7	P	P	12 28 36.0 +0.7
	baz=189				
HWUT	Hardware Ranch	31.87 332	eP	P	12 28 37.9 +1.8
	comp=Z,163nm,1.5s				
HWUT			LR	LR	
COWI	Conover	31.89 5	eP	P	12 28 36.5 +0.5
	comp=Z,33nm,1.1s				
BW06	Boulder Array	31.98 336	P	P	12 28 38.2 +1.1
	baz=147,SNR=41				
BW06	Boulder Array	31.98 336	eP	P	12 28 37.9 +0.8
	comp=Z,57nm,1.3s				
BW06			LR	LR	
PD31	Pinedale Array	31.98 336	eP	P	12 28 38.1 +1.0
	comp=Z,312nm,1.8s				
PDAR	Pinedale Array	31.98 336	P	P	12 28 38.1 +1.0
	comp=Z,11nm,0.7s,baz=162,slow=9.4,SNR=56				
PDAR			P	P	12 31 26.8 +0.2
	comp=Z,5.8nm,0.9s,baz=160,slow=4.4,SNR=4.7				
PDAR			LR	LR	12 43 27.4
BGU	Big Grassy Mou	32.02 330	eP	P	12 28 39.7 +2.3
	comp=Z,58nm,1.1s				
BGU			LR	LR	
PKM	Mcperson Peak	32.02 315	P	P	12 28 38.6 +1.1
	baz=123				
SPUT	South Promonto	32.04 331	eP	P	12 28 39.2 +1.6
	comp=Z,312nm,1.8s				
F44A	Big Bay de Noc	32.05 8	P	P	12 28 38.1 +0.7
	baz=191				
VES	Vestal, Richgr	32.06 317	P	P	12 28 40.0 +2.3
	baz=125,SNR=24				
BBGH	Gun Hill	32.07 88	PFAKE		12 28 50.0 +12
BBGH			LR	LR	
E39A	Mellen	32.08 3	P	P	12 28 38.2 +0.5

F46A	Macinaw City C	32.11 10	P	P	12 28 38.0 +0.1
	baz=194				
E40A	Wakefield	32.18 3	P	P	12 28 38.8 +0.3
	baz=181,SNR=8.8				
E36A	McGregor	32.18 359	P	P	12 28 39.0 +0.5
	baz=176,SNR=7.8				
TIN	Tinemaha, Big	32.24 319	P	P	12 28 40.9 +1.6
	baz=128,SNR=5.9				
E34A	Wadena	32.24 357	P	P	12 28 39.1 0.0
	baz=175,SNR=12				
E35A	Pequot Lakes	32.25 358	P	P	12 28 39.6 +0.5
	baz=176,SNR=8.5				
E41A	Kenan	32.26 5	P	P	12 28 39.4 +0.1
	baz=186				
E38A	The Farm, Brul	32.27 1	P	P	12 28 39.8 +0.4
	baz=181				
E38A	The Farm, Brul	32.27 1	eP	P	12 28 38.5 -0.9
	comp=Z,38nm,1.0s				
E38A			LR	LR	
E42A	Champion	32.32 6	P	P	12 28 39.9 +0.1
	baz=198				
E43A	Lone Tree Farm	32.37 7	P	P	12 28 40.7 +0.5
	baz=190				
E43A	Lone Tree Farm	32.37 7	PFAKE		12 28 50.0 +10
E43A			LR	LR	
SMMC	Simmler	32.38 315	P	P	12 28 42.2 +1.6
	comp=Z,7um,19.0s				
SADO	Sadowa	32.49 18	eP	P	12 28 39.5 -1.9
	comp=Z,60nm,1.3s				
SADO			LR	LR	
HVU	Hansel Valley	32.56 31	eP	P	12 28 44.4 +2.2
	comp=Z,11um,19.0s				
HVU	Hansel Valley	32.56 31	eP	P	12 28 44.4 +2.2
	comp=Z,276nm,1.5s				
HVU			MLR	MLR	
AHID	Auburn Hatcher	32.60 334	eP	P	12 28 44.2 +1.6
	comp=Z,8um,19.0s				
AHID			LR	LR	
AHID			LR	LR	
E45A	Wooded Hills,	32.61 10	P	P	12 28 42.4 +0.1
	baz=193				
TRY	Troy	32.73 26	eP	P	12 28 42.6 -0.7
	comp=Z,78nm,1.3s				
E44A	Grand Marais A	32.75 8	PFAKE		12 28 40.0 +16
E44A			LR	LR	
D35A	Rene	32.76 358	P	P	12 28 43.6 0.0
	baz=177,SNR=6.1				
PAGB	Antelope Grade	32.78 316	eP	P	12 28 45.4 +1.4
	comp=Z,196nm,1.7s				
PAGB			LR	LR	
D37A	Cotton	32.81 0	P	P	12 28 44.4 +0.3
	baz=180,SNR=12				
D36A	Goodland	32.84 359	P	P	12 28 44.3 0.0
	baz=179				
D36A	Goodland	32.84 359	eP	P	12 28 43.4 -0.9
	comp=Z,40nm,1.4s				
D36A			LR	LR	
D41A	Chassel	32.89 5	P	P	12 28 45.0 +0.3
	comp=Z,3um,22.0s				
D41A	Chassel	32.89 5	eP	P	12 28 44.7 0.0
	baz=187				
MLAC	Mammoth, Mamm	32.92 320	P	P	12 28 47.4 +1.5
	comp=Z,87nm,1.6s				
REDW	Red Top Meadow	32.99 335	eP	P	12 28 48.0 +2.0
	baz=128				
REDW			LR	LR	
SNOW	Snow King Moun	33.04 335	eP	P	12 28 48.4 +

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DGMT	LR	LR			
LCCM	comp=Z,3um,21.0s	35.46 337	eP	P	12 29 09.4 +2.1
PTGA	Lewis and Clar Pitinga comp=Z,208nm,1.0s	35.53 112	eP	P	12 29 07.5 -0.6
PTGA	comp=Z,5um,21.0s		LR	LR	
LRM	Limekiln Ridge	35.67 336	eP	P	12 29 10.8 +1.6
ORV	Oroville	35.80 320	eP	P	12 29 12.6 +2.5
ORV	comp=Z,108nm,1.5s		LR	LR	
ORV	Oroville	35.80 320	P	P	12 29 12.5 +2.5
ORV	comp=Z,110nm,1.5s		pmax		
MCCM	Maroni Confer	35.87 317	PFAKE	LR	12 29 20.0 +9.3
MCCM	comp=Z,7um,18.0s		LR	LR	
WVOR	Wild Horse Val	35.99 326	eP	P	12 29 13.6 +1.8
WVOR	comp=Z,134nm,1.3s		LR	LR	
WVOR	Wild Horse Val	35.99 326	eP	P	12 29 13.6 +1.8
WVOR	comp=Z,134nm,1.3s		pmax	pmax	
WVOR	comp=Z,10um,18.0s		MLR	MLR	
ULM	Lac du Bonnet	36.01 356	P	P	12 29 10.4 -1.3
ULM	comp=Z,14nm,0.7s,baz=176,slow=8.8,SNR=24		PcP	PcP	12 31 37.1 -0.4
ULM	comp=Z,11nm,0.7s,baz=162,slow=3.9,SNR=3.9		LR	LR	12 45 47.2
ULM	Lac du Bonnet	36.01 356	eP	P	12 29 10.7 -1.0
ULM	comp=Z,29nm,0.9s		PcP	PcP	12 31 37.1 -0.4
ULM	Lac du Bonnet	36.01 356	eP	P	12 29 10.7 -1.0
ULM	comp=Z,29nm,0.9s		pmax	pmax	
HRY	Holter Researc	36.17 337	eP	P	12 29 15.0 +1.7
GDXM	Geysers	36.18 318	PFAKE	LR	12 29 30.0 +1.7
GDXM	comp=Z,12um,21.0s		LR	LR	
O03D	Paynes Creek	36.42 321	P	P	12 29 16.3 +0.7
O03D	baz=127,SNR=19				
HOPS	Hopland Field	36.47 318	PFAKE	LR	12 29 30.0 +1.4
HOPS	comp=Z,9um,18.0s		LR	LR	
J08A	Circle Bar Ran	36.55 328	eP	P	12 29 18.7 +2.2
J08A	comp=Z,153nm,1.1s		LR	LR	
MOD	Modoc Plateau	36.55 324	eP	P	12 29 18.2 +1.6
MOD	comp=Z,7um,18.0s		LR	LR	
MOD	comp=Z,76nm,1.4s		LR	LR	
EGMT	Eagleton	36.58 341	P	P	12 29 17.0 +0.3
EGMT	baz=151,SNR=23				
EGMT	Eagleton	36.58 341	eP	P	12 29 17.1 +0.4
EGMT	comp=Z,242nm,1.8s		LR	LR	
PKME	Peaks-Kenny Pk	36.66 28	P	P	12 29 15.8 -1.5
PKME	baz=219				
PKME	Peaks-Kenny Pk	36.66 28	eP	P	12 29 15.9 -1.5
PKME	comp=Z,36nm,1.2s		LR	LR	
PKME	comp=Z,10um,20.0s		LR	LR	
BMO	Blue Mountains	37.04 330	eP	P	12 29 21.3 +0.6
BMO	comp=Z,110nm,1.4s		LR	LR	
WDC	Whiskeytown Da	37.05 321	eP	P	12 29 20.4 -0.3
WDC	comp=Z,12um,19.0s		LR	LR	
WDC	Whiskeytown Da	37.05 321	eP	P	12 29 20.4 -0.3
WDC	comp=Z,34nm,1.4s		LR	LR	
WDC	comp=Z,6um,19.0s		MLR	MLR	
SAML	Samuel	37.15 127	eP	P	12 29 20.6 -1.3
SAML	comp=Z,81nm,1.1s		LR	LR	
KCPM	Cahto Peak	37.18 319	eP	P	12 29 24.0 +1.9
KCPM	comp=Z,6um,19.0s		LR	LR	
KCPM	comp=Z,205nm,1.6s		LR	LR	
M04C	Macdoel	37.36 323	P	P	12 29 24.5 +1.0
M04C	baz=128,SNR=16				
N02D	Trinity Center	37.38 321	P	P	12 29 24.1 +0.5
N02D	baz=126				
K05A	Summer Lake	37.42 325	eP	P	12 29 25.7 +1.6
K05A	comp=Z,98nm,1.4s		LR	LR	
KMRM	Mali Ridge	37.56 319	eP	P	12 29 27.5 +2.3
KMRM	comp=Z,158nm,1.3s		LR	LR	
I07A	Ize	37.59 328	eP	P	12 29 26.5 +1.2
I07A	comp=Z,10um,20.0s		LR	LR	
I07A	comp=Z,27nm,0.9s		LR	LR	
M02C	Callahan	37.72 322	P	P	12 29 27.1 +0.6
M02C	baz=127				
F10A	Beach Ranch, E	37.84 332	eP	P	12 29 28.7 +1.3
F10A	comp=Z,201nm,0.8s		LR	LR	
K04D	Chiloquin, OR	37.84 324	P	P	12 29 28.4 +0.9
K04D	baz=129,SNR=5.6				
YBH	Yreka Blue Hor	37.84 322	eP	LR	12 47 13.5
YBH	comp=Z,9um,19.1s,baz=149,slow=40				
YBH	Yreka Blue Hor	37.84 322	eP	P	12 29 27.3 -0.2
YBH	comp=Z,37nm,1.8s		P	P	12 29 27.3 -0.2
YBH	Yreka Blue Hor	37.84 322	eP	pmax	
YBH	comp=Z,37nm,1.8s		pmax	pmax	
KHMM	Horse Mountain	37.95 320	eP	P	12 29 30.6 +2.0
KHMM	comp=Z,53nm,1.0s		LR	LR	
KHMM	comp=Z,6um,22.0s		LR	LR	
JTMT	Jette	37.97 336	eP	P	12 29 29.7 +1.2
JTMT	comp=Z,118nm,1.4s		LR	LR	
JTMT	comp=Z,6um,20.0s		LR	LR	
J05D	Fort Rock, OR	37.98 325	P	P	12 29 29.7 +1.0
J05D	baz=131,SNR=16				
JCC	Jacoby Creek,	38.10 320	eP	P	12 29 31.9 +2.3
JCC	comp=Z,448nm,1.7s		LR	LR	
PINE	Pine Mountain	38.15 326	eP	P	12 29 31.2 +1.0
PINE	comp=Z,85nm,1.3s		LR	LR	
PINE	comp=Z,14um,18.0s		LR	LR	
G08A	Pilot Rock	38.16 329	eP	P	12 29 31.1 +0.9
G08A	comp=Z,122nm,1.9s		LR	LR	
G08A	comp=Z,7um,18.0s		P	P	12 29 33.9 +1.3
J04D	Umpqua Nationa	38.43 325	P	P	12 29 33.5 +0.3
J04D	baz=130,SNR=24				
HUMO	Hull Mountain	38.52 323	eP	P	12 29 33.5 +0.3
HUMO	comp=Z,75nm,1.9s		LR	LR	
HUMO	comp=Z,7um,18.0s		P	P	12 29 35.0 +1.0
E09D	Cave Junction,	38.63 322	P	P	12 29 35.1 +0.8
E09D	baz=127				
E09A	Wood Farm, Sta	38.67 331	eP	LR	12 29 35.1 +0.8
E09A	comp=Z,50nm,0.9s		LR	LR	
I05D	Terrebonne, OR	38.73 326	P	P	12 29 36.0 +1.1
I05D	baz=132,SNR=9.8				
LPAZ	La Paz	38.77 141	P	P	12 29 35.6 -0.5
LPAZ	comp=Z,10nm,0.9s,baz=332,slow=8.4,SNR=35		LR	LR	12 45 08.4
LPAZ	comp=Z,5um,20.6s,baz=326,slow=35		LR	LR	12 29 36.1 +0.1
LPAZ	La Paz	38.77 141	eP	P	12 29 36.2 +0.1
LPAZ	comp=Z,46nm,1.1s		P	P	12 29 36.2 +0.1
LPAZ	La Paz	38.77 141	eP	pmax	
LPAZ	comp=Z,46nm,1.1s		pmax	pmax	
WALA	Waterton Lakes	38.90 338	eP	P	12 29 37.9 +1.5
WALA	comp=Z,109nm,1.4s		P	P	12 29 37.9 +1.5

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WALA	comp=Z,5um,21.0s		LR	LR	
I04A	Tendick Farm,	38.96 325	P	P	12 29 37.9 +1.1
I04A	baz=130,SNR=25				
G06A	Carson Farm,	38.97 328	eP	P	12 29 38.5 +1.6
G06A	comp=Z,75nm,1.2s		LR	LR	
G06A	comp=Z,9um,18.0s		LR	LR	
PRLK	Prince Lake	38.98 326	eP	P	12 29 38.9 +1.8
IRO	Indian Ridge	39.01 322	eP	P	12 29 38.8 +1.4
KBO	Bosley Butte	39.03 325	eP	P	12 29 39.9 +2.4
KBO	comp=Z,502nm,1.7s		LR	LR	
KBO	comp=Z,8um,18.0s		LR	LR	
F07A	Phinny Hill Vi	39.07 329	eP	P	12 29 38.6 +1.0
F07A	comp=Z,34nm,1.0s		LR	LR	
F07A	comp=Z,4um,20.0s		LR	LR	
E08A	Dider Farm, El	39.08 331	eP	P	12 29 37.7 0.0
E08A	comp=Z,41nm,1.2s		LR	LR	
E08A	comp=Z,9um,19.0s		P	P	12 29 39.8 +0.7
HAWA	Hamford	39.23 330	eP	P	12 29 39.8 +0.7
HAWA	comp=Z,23nm,0.9s		LR	LR	
HAWA	comp=Z,8um,19.0s		LR	LR	
G05D	Wamic, OR	39.32 328	P	P	12 29 41.0 +1.2
G05D	baz=132,SNR=10				
H04A	Detroit Lake	39.41 326	eP	P	12 29 42.0 +1.4
H04A	comp=Z,184nm,1.3s		LR	LR	
H04A	comp=Z,7um,18.0s		LR	LR	
I03D	Drain, OR	39.42 324	P	P	12 29 41.7 +1.1
I03D	baz=128,SNR=24				
D08A	Wollman Farm,	39.43 331	eP	P	12 29 41.4 +0.8
D08A	comp=Z,103nm,1.3s		LR	LR	
D08A	comp=Z,10um,19.0s		LR	LR	
KEBM	Edson Butte	39.49 323	eP	P	12 29 42.8 +1.5
KEBM	comp=Z,954nm,1.9s		LR	LR	
KEBM	comp=Z,12um,18.0s		LR	LR	
E07A	Sunnyside	39.51 330	eP	P	12 29 42.6 +1.2
E07A	comp=Z,44nm,1.0s		LR	LR	
E07A	comp=Z,8um,21.0s		LR	LR	
HOOD	Mount Hood Mea	39.55 327	eP	P	12 29 44.3 +2.4
HOOD	comp=Z,310nm,1.9s		LR	LR	
C09A	Corvallis	39.96 325	eP	P	12 29 46.9 +1.9
C09A	comp=Z,9um,18.0s		LR	LR	
COR	Corvallis	39.96 325	eP	P	12 29 46.9 +1.9
COR	comp=Z,285nm,1.5s		LR	LR	
COR	comp=Z,6um,20.0s		P	P	12 29 46.9 +1.9
COR	comp=Z,285nm,1.5s		pmax	pmax	
COR	comp=Z,6um,20.0s		MLR	MLR	
MINMC	Minye Minye	40.14 145	eP	P	12 29 48.1 +1.0
MINMC	comp=Z,317nm,1.2s		LR	LR	
MINMC	comp=Z,8um,21.0s		LR	LR	
G03D	McMininville, O	40.34 326	P	P	12 29 50.0 +1.8
G03D	baz=130,SNR=11				
LTY	Liberty	40.40 330	eP	P	12 29 50.4 +1.6
LTY	comp=Z,255nm,1.7s		LR	LR	
LTY	comp=Z,7um,18.0s		LR	LR	
B08A	Colville Reser	40.58 332	eP	P	12 29 51.4 +1.2
B08A	comp=Z,138nm,1.8s		LR	LR	
B08A	comp=Z,9um,19.0s		LR	LR	
LON	Longmire	40.60 329	eP	P	12 29 51.8 +1.3
LON	comp=Z,265nm,1.9s		LR	LR	
LON	comp=Z,7um,19.0s		LR	LR	
LON	Longmire	40.60 329	eP	P	12 29 51.8 +1.3
LON	comp=Z,265nm,1.9s		pmax	pmax	
LON	comp=Z,7um,19.0s		MLR	MLR	
LB11	IPOC Station P	40.62 146	eP	P	12 29 51.2 +0.2
LB11	comp=Z,159nm,1.2s		LR	LR	
LB11	comp=Z,6um,22.0s		LR	LR	
F04D	Rainier, OR	40.77 327	P	P	12 29 53.4 +1.6
F04D	baz=131				
C06D	Leavenworth	40.98 331	P	P	12 29 55.3 +1.8
C06D	baz=135				
D05A	Enumclaw	40.99 329	eP	P	12 29 55.1 +1.5
D05A	comp=Z,98nm,1.2s		LR	LR	
D05A	comp=Z,6um,19.0s		LR	LR	
FFC	Flin Flon	41.06 352	eP	P	12 29 54.1 +0.1
FFC	comp=Z,14nm,0.6s		LR	LR	
FFC	comp=Z,3um,22.0s		P	P	12 29 54.1 +0.1

RAGM	Ragged Mountai	comp=Z,5um,14.0s	59.47 333	eP	P	12 32 15.8 +2.5
RAGM		comp=Z,156nm,1.2s		LR	LR	
RCBR	Riachuelo	comp=Z,3um,22.0s	59.63 106	eP	P	12 32 15.7 +0.6
RCBR		comp=Z,150nm,0.9s		LR	LR	
RCBR	Riachuelo	comp=Z,4um,22.0s	59.63 106	eP	P	12 32 15.7 +0.6
RCBR		comp=Z,149nm,0.9s		MLR	MLR	
BMRM	Bremner River	comp=Z,4um,22.0s	59.71 334	eP	P	12 32 15.9 +0.9
BMRM		comp=Z,91nm,1.1s		LR	LR	
MID	Middleton Isla	comp=Z,4um,18.0s	59.80 332	PFAKE	LR	12 32 30.0 +15
MID		comp=Z,2um,20.0s		LR	LR	
JCUZ	Jacuzzi	comp=Z,2um,20.0s	59.82 284	PFAKE	LR	12 32 30.0 +14
JCUZ		comp=Z,2um,20.0s		LR	LR	
STCH	Steam Cracks	comp=Z,3um,20.0s	59.84 284	PFAKE	LR	12 32 30.0 +13
STCH		comp=Z,3um,20.0s		LR	LR	
PUH	Pauahi	comp=Z,3um,18.0s	59.93 284	PFAKE	LR	12 32 30.0 +13
PUH		comp=Z,3um,18.0s		LR	LR	
BYL	Byron's Ledge	comp=Z,3um,19.0s	59.97 284	PFAKE	LR	12 32 30.0 +13
BYL		comp=Z,3um,19.0s		LR	LR	
HATHI	Halema'uma'u T	comp=Z,3um,22.0s	59.97 284	PFAKE	LR	12 32 30.0 +13
HATHI		comp=Z,3um,22.0s		LR	LR	
KKO	Keanakako'i	comp=Z,3um,20.0s	59.97 284	PFAKE	LR	12 32 30.0 +12
KKO		comp=Z,3um,20.0s		LR	LR	
RIM	Rim	comp=Z,3um,18.0s	59.98 284	PFAKE	LR	12 32 30.0 +12
RIM		comp=Z,3um,18.0s		LR	LR	
UWB	Uwekahuna B	comp=Z,2um,20.0s	59.98 284	PFAKE	LR	12 32 30.0 +12
UWB		comp=Z,2um,20.0s		LR	LR	
NPH	North Pit	comp=Z,3um,20.0s	59.98 284	PFAKE	LR	12 32 30.0 +12
NPH		comp=Z,3um,20.0s		LR	LR	
OBL	Observatory Le	comp=Z,3um,20.0s	59.99 284	PFAKE	LR	12 32 30.0 +12
OBL		comp=Z,3um,20.0s		LR	LR	
UWE	Uwekahuna	comp=Z,3um,21.0s	60.00 284	PFAKE	LR	12 32 30.0 +12
UWE		comp=Z,3um,19.0s		LR	LR	
SDHHI	Sand Hill	comp=Z,3um,19.0s	60.00 284	PFAKE	LR	12 32 30.0 +12
SDHHI		comp=Z,3um,19.0s		LR	LR	
WRMHI	West Rim	comp=Z,3um,19.0s	60.00 284	PFAKE	LR	12 32 30.0 +12
WRMHI		comp=Z,3um,19.0s		LR	LR	
EYAK	Cordova Ski Ar	comp=Z,2um,19.0s	60.02 333	eP	P	12 32 19.4 +2.4
EYAK		comp=Z,141nm,1.2s		LR	LR	
EYAK		comp=Z,4um,19.0s		LR	LR	
HLP	Hilina Pali	comp=Z,3um,20.0s	60.02 284	PFAKE	LR	12 32 30.0 +12
HLP		comp=Z,3um,20.0s		LR	LR	
INK	Inuvik	comp=Z,2.778nm,1.4s	60.05 344	eP	P	12 32 17.4 +0.3
INK		comp=Z,6um,18.0s		LR	LR	
INK		comp=Z,6um,18.0s		LR	LR	
INK		comp=Z,2.778nm,1.4s		MLR	MLR	
MLH	Mauna Loa	comp=Z,3um,20.0s	60.08 284	PFAKE	LR	12 32 30.0 +12
MLH		comp=Z,3um,20.0s		LR	LR	
AIN	Ainahoo	comp=Z,3um,18.0s	60.16 284	PFAKE	LR	12 32 30.0 +11
AIN		comp=Z,3um,18.0s		LR	LR	
HMH	Humu'ula Sheep	comp=Z,3um,19.0s	60.16 285	PFAKE	LR	12 32 30.0 +11
HMH		comp=Z,3um,19.0s		LR	LR	
POHA	Pohakuloa	comp=Z,3um,19.0s	60.19 285	PFAKE	LR	12 32 30.0 +11
POHA		comp=Z,3um,19.0s		LR	LR	
MLOA	Mauna Loa Obse	comp=Z,3um,19.0s	60.25 285	PFAKE	LR	12 32 30.0 +10
MLOA		comp=Z,3um,19.0s		LR	LR	
MWH	Moku'aweowe	comp=Z,3um,20.0s	60.27 284	PFAKE	LR	12 32 30.0 +10
MWH		comp=Z,3um,20.0s		LR	LR	
EGAK	Eagle	comp=Z,101nm,1.3s	60.29 338	eP	P	12 32 18.8 +0.1
EGAK		comp=Z,101nm,1.3s		LR	LR	
DIV	Divide	comp=Z,4um,18.0s	60.29 333	eP	P	12 32 20.7 +1.8
DIV		comp=Z,109nm,1.2s		LR	LR	
DIV		comp=Z,4um,22.0s		LR	LR	
KHU	Kahuku	comp=Z,3um,19.0s	60.32 284	PFAKE	LR	12 32 30.0 +10
KHU		comp=Z,3um,19.0s		LR	LR	
HPAH	Hawaii Prepara	comp=Z,3um,20.0s	60.32 285	PFAKE	LR	12 32 30.0 +10
HPAH		comp=Z,249nm,1.4s		LR	LR	
FID	Port Fido	comp=Z,3um,18.0s	60.43 333	eP	P	12 32 21.9 +2.1
FID		comp=Z,249nm,1.4s		LR	LR	
RES	Resolute Bay	comp=Z,3um,18.0s	60.45 359	eP	P	12 32 19.5 -0.2
RES		comp=Z,55nm,1.6s		LR	LR	
RES	Resolute Bay	comp=Z,3um,18.0s	60.45 359	eP	P	12 32 19.5 -0.2
RES		comp=Z,56nm,1.6s		pmax	pmax	
HUH	Hualalai	comp=Z,3um,19.0s	60.48 285	PFAKE	LR	12 32 40.0 +19
HUH		comp=Z,3um,19.0s		LR	LR	
KLU	Klutina	comp=Z,1.06nm,1.0s	60.52 334	eP	P	12 32 21.9 +1.4
KLU		comp=Z,4um,18.0s		LR	LR	
KHLU	Kahalu'u	comp=Z,3um,19.0s	60.54 285	PFAKE	LR	12 32 40.0 +19
KHLU		comp=Z,3um,19.0s		LR	LR	
HARP	HAARP	comp=Z,257nm,1.2s	60.62 335	eP	P	12 32 22.8 +1.7
HARP		comp=Z,257nm,1.2s		LR	LR	
GLI	Glacier Island	comp=Z,2um,21.0s	60.76 333	eP	P	12 32 23.1 +1.0
GLI		comp=Z,47nm,1.1s		LR	LR	
GLI		comp=Z,3um,21.0s		LR	LR	
DOT	Dot Lake	comp=Z,135nm,1.0s	60.78 336	eP	P	12 32 24.0 +1.8
DOT		comp=Z,135nm,1.0s		LR	LR	
ILULI	Ilulissat	comp=Z,6um,19.0s	60.80 16	PFAKE	LR	12 32 30.0 +7.8
ILULI		comp=Z,3um,19.0s		LR	LR	
ILULI		comp=Z,3um,19.0s		iP	P	12 32 21.4 -0.8
ILULI		comp=Z,3um,19.0s		iP	P	12 32 21.4 -0.8
ILULI		comp=Z,3um,19.0s		MLR	MLR	
SCRK	Sand Creek	comp=Z,157nm,1.4s	60.91 337	eP	P	12 32 24.6 +1.3
SCRK		comp=Z,6um,19.0s		LR	LR	
KHLH	Kahului Airpor	comp=Z,2um,21.0s	60.92 286	PFAKE	LR	12 32 40.0 +16
KHLH		comp=Z,2um,21.0s		LR	LR	
PAX	Paxson	comp=Z,112nm,1.1s	61.01 335	eP	P	12 32 25.1 +1.2
PAX		comp=Z,4um,19.0s		LR	LR	
PAX		comp=Z,112nm,1.1s		pmax	pmax	12 32 25.1 +1.2
PAX		comp=Z,4um,19.0s		MLR	MLR	
RIDG	Independ'e Rid	comp=Z,210nm,1.3s	61.13 336	eP	P	12 32 25.6 +1.0
RIDG		comp=Z,6um,19.0s		LR	LR	

ROSA	Rosais	comp=Z,49nm,1.1s	61.25 54	eP	P	12 32 22.8 -3.0
SCM	Sheep Creek Mo	comp=Z,121nm,1.1s	61.27 334	eP	P	12 32 26.9 +1.3
SCM		comp=Z,3um,22.0s		LR	LR	
SCM	Sheep Creek Mo	comp=Z,3um,22.0s	61.27 334	eP	P	12 32 26.9 +1.3
SCM		comp=Z,121nm,1.1s		pmax	pmax	
SCM		comp=Z,3um,22.0s		MLR	MLR	
PGRA	Graciosa	comp=Z,23nm,0.4s	61.47 53	eP	P	12 32 26.4 -0.9
SML	Sawmill	comp=Z,225nm,1.3s	61.70 334	eP	P	12 32 29.6 +1.1
SML		comp=Z,2um,20.0s		LR	LR	
SML	Sawmill	comp=Z,225nm,1.3s	61.70 334	eP	P	12 32 29.6 +1.1
SML		comp=Z,138nm,1.1s		pmax	pmax	
SML		comp=Z,2um,20.0s		MLR	MLR	
VAH	Vahloa	comp=Z,104nm,1.2s	61.83 244	eP	P	12 32 38.1 +8.1
DHY	Denali Highway	comp=Z,36nm,1.1s	61.83 335	eP	P	12 32 29.7 +0.2
DHY		comp=Z,2um,21.0s		LR	LR	
GHO	Glory Hole Cre	comp=Z,171nm,1.0s	61.94 333	eP	P	12 32 31.0 +0.9
GHO		comp=Z,4um,22.0s		LR	LR	
PMR	Palmer	comp=Z,3um,21.0s	61.95 333	eP	P	12 32 31.2 +1.1
PMR		comp=Z,138nm,1.3s		LR	LR	
PMR		comp=Z,3um,21.0s		pmax	pmax	12 32 31.2 +1.1
PMR		comp=Z,3um,21.0s		MLR	MLR	
PMOR	Pomarioerio Ree	comp=Z,143nm,1.5s	61.96 244	eP	T	12 32 38.6 +7.7
PMOR		comp=Z,3um,21.0s		T	T	13 39 08.1
RC01	Rabbi Creek A	comp=Z,108nm,1.0s	62.02 332	eP	P	12 32 31.7 +1.1
RC01		comp=Z,3um,19.0s		LR	LR	
BRLK	Bradley Lake	comp=Z,115nm,1.1s	62.06 331	eP	P	12 32 32.2 +1.3
BRLK		comp=Z,3um,20.0s		LR	LR	
CNPM	China Pool	comp=Z,99nm,1.2s	62.14 330	eP	P	12 32 32.5 +1.0
CNPM		comp=Z,3um,20.0s		LR	LR	
KDAK	Kodiak Island	comp=Z,306nm,1.9s	62.23 328	eP	P	12 32 33.2 +1.3
KDAK		comp=Z,2um,19.0s		LR	LR	
KDAK	Kodiak Island	comp=Z,306nm,1.9s	62.23 328	eP	P	12 32 33.2 +1.3
KDAK		comp=Z,2um,19.0s		iP	P	12 32 33.6 +1.6
KDAK		comp=Z,3um,20.0s		PFAKE	LR	12 32 50.0 +17
ILAR	ILAR	comp=Z,2.77nm,0.9s,baz=130,slow=4.9,SNR=203	62.40 337	eP	P	12 32 34.0 +0.9
ILAR		comp=Z,2.77nm,0.9s,baz=130,slow=4.9,SNR=203	62.40 337	eP	P	12 32 33.9 +0.8
ILAR		comp=Z,4um,19.0s,baz=128,slow=3.8		LR	LR	13 01 54.5
ILB	ILB	comp=Z,2um,21.0s	62.40 337	eP	P	12 32 33.5 +0.4
OHAK	OHAK	comp=Z,111nm,1.3s	62.42 328	eP	P	12 32 33.9 +0.6
OHAK		comp=Z,2um,20.0s		LR	LR	
SUA	Susitna One	comp=Z,428nm,1.8s	62.62 333	eP	P	12 32 34.4 -0.3
SUA		comp=Z,3um,20.0s		LR	LR	
FYU	Fort Yukon	comp=Z,215nm,1.6s	62.66 339	eP	P	12 32 35.5 +0.8
FYU		comp=Z,2um,21.0s		LR	LR	
SII	Sitkinak Islan	comp=Z,333nm,1.8s	62.69 327	eP	P	12 32 36.4 +1.2
SII		comp=Z,2um,19.0s		LR	LR	
CCB	Clear Creek Bu	comp=Z,82nm,1.4s	62.70 337	eP	P	12 32 35.2 +0.2
CCB		comp=Z,5um,18.0s		LR	LR	
WRH	Wood River Hill	comp=Z,28nm,1.0s	62.73 336	eP	P	12 32 34.8 -0.4
WRH		comp=Z,5um,18.0s		LR	LR	
MCK	McKinley	comp=Z,110nm,1.0s	62.75 335	eP	P	12 32 36.2 +0.8
MCK		comp=Z,3um,20.0s		LR	LR	
MCK	McKinley	comp=Z,110nm,1.0s	62.75 335	eP	P	12 32 36.2 +0.8
MCK		comp=Z,3um,20.0s		pmax	pmax	
MCK		comp=Z,110nm,1.0s		MLR	MLR	
COLA	College	comp=Z,67nm,1.0s	62.82 337	eP	P	12 32 36.5 +0.7
COLA		comp=Z,4um,19.0s		LR	LR	
COLA	College	comp=Z,87nm,1.0s	62.82 337	eP	P	12 32 36.5 +0.7
COLA		comp=Z,4um,19.0s		pmax	pmax	
COLA		comp=Z,4um,19.0s		MLR	MLR	

29d 12h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like BIGH, PCBR, PBDV, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like CART Cartagena, RYF, TCF, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like MOX, DAVA, GRFO, etc.

GEAO	GERESS Array S	89.76	39	eP	P	12 35 07.9	-1.1		
PRU	Pruhonice	89.85	38	eP	P	12 35 08.8	-0.4		
PRU				ePP	PP	12 35 16.7	-5.0		
PRU				ePP	PP	12 38 40.8	-0.8		
PRU				eSKS	SKS	12 45 27.5	-9.3		
PRU				AMS	AMS	13 16 20.0			
PRU	comp=Z,2um,19.6s								
PRU	Pruhonice	89.85	38	eP	P	12 35 08.8	-0.4		
PRU				e		12 38 40.8			
PRU				e		12 45 27.5			
PRU				e MLR	MLR				
SUF	Sumiainen	89.86	24	eP	P	12 35 07.7	-1.3		
SUF				eP	Pmax				
TIXI	Tiksi	89.91	348	eP	P	12 35 09.0	0.0		
TIXI	comp=Z,13nm,1.4s								
TIXI	Tiksi	89.91	348	eP	P	12 35 09.0	0.0		
TIXI	comp=Z,116nm,1.4s								
TIXI	Tiksi	89.91	348	eP	P	12 35 08.6	-0.4		
TIXI	comp=Z,3um,22.0s								
TIXI	Tiksi	89.91	348	eP	P	12 35 08.6	-0.4		
TIXI	comp=Z,167nm,2.5s								
GOPC	GO Pecny, Ondr	90.02	38	eP	P	12 35 10.0	-0.1		
GOPC				ePP	PP	12 38 42.2	-0.9		
GOPC				eSKS	SKS	12 45 31.6	-6.3		
GOPC				AMS	AMS	13 16 20.0			
GOPC	comp=Z,2um,18.9s								
GOPC	GO Pecny, Ondr	90.02	38	eP	P	12 35 10.0	-0.1		
GOPC				e		12 38 42.2			
GOPC				e		12 45 31.6			
GOPC				e MLR	MLR				
PEA0B	Petropavlovsk-	90.14	325	PFAKE	LR	12 35 20.0	+9.5		
PEA0B	comp=Z,700nm,20.0s								
PETK	Petropavlovsk-	90.14	325	P	P	12 35 11.1	+0.6		
PETK	comp=Z,4.2nm,0.8s,baz=78,slow=7.5								
PETK	Petropavlovsk-	90.14	325	P	P	12 35 10.6	+0.1		
PETK	Petropavlovsk-	90.14	325	eP	P	12 35 10.6	+0.1		
KBA	Koelnbreinsp	90.18	41	eP	P	12 35 11.4	+0.4		
MOA	Molin	90.48	40	eP	P	12 35 11.3	-1.0		
MOA	comp=Z,3.0nm,0.7s								
FINES	FINESS Array B	90.51	25	P	P	12 35 11.1	-0.9		
FINES	comp=Z,5.6nm,1.0s,baz=290,slow=4.0,SNR=8.1								
FINES	comp=Z,2um,20.3s,baz=292,slow=3.5								
FIA1	FINESS Array S	90.51	25	eP	P	12 35 10.8	-1.2		
UPC	Udice	90.52	37	eP	P	12 35 19.9	+5.3		
UPC				eP	PP	12 38 45.8	+1.2		
UPC				eSKS	SKS	12 45 37.5	-3.2		
UPC				AMS	AMS	13 16 00.0			
UPC	comp=Z,2um,21.7s								
UPC	Udice	90.52	37	eP	P	12 35 12.2	-0.1		
UPC				e		12 38 45.8			
UPC				e		12 45 37.5			
UPC				e MLR	MLR				
MYKA	Terra Mystica	90.53	41	eP	P	12 35 11.2	-1.4		
MA2	Magadan	90.63	333	eP	P	12 35 13.2	+0.6		
MA2	comp=Z,53nm,1.1s								
MA2				LR	LR				
MA2	Magadan	90.63	333	iP	P	12 35 13.7	+1.0		
MA2				eP	Pmax				
THNT	Thala	90.72	53	eP	P	12 35 12.3	-1.4		
THNT	comp=Z,51nm,1.7s								
THNT	comp=Z,25nm,1.1s								
THNT				LR	LR				
CADS	Cadr	90.74	42	iP	P	12 35 12.3	-1.2		
DPC	Dobruska-Polom	90.76	37	eP	P	12 35 13.4	-0.1		
DPC				eP	PP	12 38 48.2	+0.8		
DPC				eSKS	SKS	12 45 37.5	-3.2		
DPC				AMS	AMS	13 13 10.0			
DPC	comp=Z,2um,19.8s								
DPC	Dobruska-Polom	90.76	37	eP	P	12 35 13.4	-0.1		
DPC				e	MLR	12 38 48.2			
DPC				e MLR	MLR				
TOC7	Torodi Ar. Sit	90.83	76	PFAKE	LR	12 35 20.0	+5.5		
TOC7	comp=Z,2um,21.0s								
TOB5	Torodi Ar. Sit	90.83	76	PFAKE	LR	12 35 20.0	+5.5		
TOB5	comp=Z,3um,21.0s								
TOC5	Torodi Ar. Sit	90.83	76	PFAKE	LR	12 35 20.0	+5.5		
TOC5	comp=Z,3um,21.0s								
TOB4	Torodi Ar. Sit	90.84	76	PFAKE	LR	12 35 20.0	+5.5		
TOB4	comp=Z,2um,21.0s								
TOA1	Torodi Ar. Sit	90.84	76	PFAKE	LR	12 35 30.0	+15		
TOA1	comp=Z,2um,21.0s								
TOA0	Torodi Ar. Sit	90.85	76	eP	P	12 35 13.5	-1.0		
TOA0	comp=Z,6.0nm,0.9s								
TOA0				LR	LR				
TOA3	Torodi Ar. Sit	90.85	76	PFAKE	LR	12 35 30.0	+15		
TOA3	comp=Z,2um,21.0s								
TORD	Torodi Ar. Bea	90.85	76	P	P	12 35 12.8	-1.8		
TORD	comp=Z,1.6nm,0.7s,baz=249,slow=4.0								
TORD				LR	LR	13 13 17.5			
TOC1	Torodi Ar. Sit	90.85	76	PFAKE	LR	12 35 30.0	+15		
TOC1	comp=Z,3um,21.0s								
TRI	Trieste	90.95	42	PFAKE	LR	12 35 30.0	+16		
TRI	comp=Z,2um,20.0s								
CRNS	Crihi Vrh	91.13	42	eP	P	12 35 13.9	-1.5		
OBKA	Obir	91.16	41	eP	P	12 35 16.0	+0.5		
OBKA	comp=Z,4.4nm,0.9s								
KEST	Kesra	91.18	53	P	P	12 35 14.9	-1.0		
KEST	comp=Z,9.1nm,0.9s,baz=262,slow=4.0,SNR=11								
KEST				LR	LR	13 11 22.4			
KEST	comp=Z,1um,21.6s,baz=243,slow=3.2								
KEST	Kesra	91.18	53	eP	P	12 35 13.9	-1.9		
KEST	comp=Z,26nm,1.0s								
KRUC	Krlovsky	91.32	38	eP	P	12 35 14.7	-1.4		
LJU	Ljubljana	91.32	42	eP	P	12 35 14.7	-1.4		
LJU				eS	SKS	12 45 43.9	-1.6		
VRAC	Vranov	91.34	38	eP	P	12 35 15.2	-1.0		
VRAC	comp=Z,8.0nm,0.9s								
VRAC				eP	Pmax				
VRAC	Vranov	91.34	38	eP	P	12 35 15.2	-1.0		
SOKA	Soboth	91.40	41	eP	P	12 35 16.3	-0.4		
SOKA	comp=Z,2.2nm,0.9s								
CONA	Conrad Observa	91.44	40	eP	P	12 35 16.0	-0.8		
CONA	comp=Z,3.7nm,1.0s								
PERS	Pernice	91.47	41	eP	P	12 35 15.2	-1.7		
PERS				eS	SKS	12 38 51.5			
PERS				eS	SKS	12 45 47.0	+0.6		
ARSA	Arzberg	91.49	40	eP	P	12 35 17.2	+0.2		
ARSA	comp=Z,2.0nm,0.7s								
MORC	Moravsky Berou	91.71	38	eP	P	12 35 17.2	-0.7		
MORC	comp=Z,5.2nm,1.0s								
MORC				LR	LR				
MORC	Moravsky Berou	91.71	38	eP	P	12 35 17.3	-0.7		
MORC	comp=Z,2um,18.0s								
MORC				eP	Pmax				
MORC				e MLR	MLR				
MORC	Moravsky Berou	91.71	38	eP	P	12 35 16.9	-1.1		
TAM	Tamanrasset	91.81	66	eP	P	12 35 18.2	-0.9		
TAM	comp=Z,15nm,1.5s								
TAM				LR	LR				
TAM	Tamanrasset	91.81	66	eP	P	12 35 18.2	-0.9		
TAM	comp=Z,3um,21.0s								
TAM				eP	Pmax				
TAM				e MLR	MLR				
AQU	L'Aquila	91.92	45	eP	P	12 35 19.2	+0.1		
AQU	comp=Z,20nm,1.0s								
AQU				LR	LR				
AQU	L'Aquila	91.92	45	eP	P	12 35 19.2	+0.1		
AQU	comp=Z,3um,20.0s								
AQU				eP	Pmax				
AQU				e MLR	MLR				

comp=Z,3um,20.0s									
OKC	Ostrava-Krasne	92.04	37	eP	P	12 35 19.4	0.0		
OKC				eSKS	SKS	12 45 53.1	+3.7		
OKC				AMS	AMS	13 21 40.0			
OKC	comp=Z,1um,16.6s								
OKC	Ostrava-Krasne	92.04	37	eP	P	12 35 19.4	0.0		
OKC				e		12 45 53.1			
SKR	Severo-Kuril's	92.04	324	eS	P	12 35 19.6	+0.3		
SKR				eS	P	12 46 18.5	+0.1		
SKR				eS	PnS	12 47 40.1	+5.8		
SKR				eSS	SS	12 52 24.8	-2.4		
SKR				ePmax	Pmax				
SKR	comp=Z,600nm,18.0s								
SKR				e MLR	MLR				
MODS	Modra-Piesok	92.13	39	eP	P	12 35 19.7	-0.2		
MODS				eP	P	12 35 19.7	-0.2		
MODS	Modra-Piesok	92.13	39	eP	P	12 35 19.7	-0.2		
VSU	Vasua	92.37	271	eP	P	12 35 19.6	-1.1		
VSU				ePmax	Pmax				
BEL	Belsk	92.68	35	eP	P	12 35 23.2	+0.9		
BEL				eP	P	12 35 23.2	+0.9		
BEL	Belsk	92.68	35	eP	P	12 35 23.8	+0.6		
BEL				eP	P	12 35 23.8	+0.6		
BEL	Ojcow	92.84	36	eP	P	12 35 22.8	-0.3		
BEL	Ojcow	92.84	36	eP	P	12 35 22.8	-0.3		
OJC	Ojcow	92.84	36	eP	P	12 35 22.8	-0.3		
OJC				ePmax	Pmax				
SJC	Suwalki	92.93	32	PFAKE	LR	12 35 30.0	+6.6		
SJC				LR	LR				
VYHS	Vyhne	93.02	38	eP	P	12 35 23.5	-0.5		
VYHS				eP	P	12 35 23.5	-0.5		
CLTB	Cattabellotta	93.50	50	PFAKE	LR	12 35 40.0	+13		
CLTB				LR	LR				
BLY	Banja Luka	93.55	42	eP	P	12 35 26.6	+0.2		
BLY				LR	LR				
PSZ	Piszkesteto	93.91	39	eP	P	12 35 28.0	-0.2		
PSZ	comp=Z,23nm,1.3s								
PSZ	Piszkesteto	93.91	39	eP	P	12 35 28.0	-0.2		

29d 14h

Table with columns: SSD, Station, Time, Res, P, AML, Pn, AML, 13 23 28.8 -0.3. Includes stations like Sorlino, Monte Lauro, Sgolgore (BA), Taranto, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Severo-Kuril's, Pauzhetka, Khodutka, Kamc, etc.

DDA 29 13:46:49.6, 37.04N:28.53E, h7km, ML2.6, Suspected Mining explosion.
ISK 29 13:46:49.4, 37.07N:28.55E, h12km, ML2.0/8
ISCJB 29 13:46:50.1, 0.5, 37.09N:0.03:28.57E:0.0/h0km, Error ellipse: s-maj=4.6km s-min=3.4km az=39.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Yerkesik, Turunc, Tasoluk, etc.

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Table with columns: AKAS, Kas, 1.22 137 ePn, Pg, 13 47 12.6 -0.4. Includes stations like IPOC Station P, Minye Minye, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Severo-Kuril's, Pauzhetka, Khodutka, Kamc, etc.

ISCJB 29 14:05:59.0, 4.18:57S:0.04:69.35W:0.05, h119km, 3km, mb4.0/8, Error ellipse: s-maj=8.5km s-min=6.5km az=15.0
BUJ 29 14:06:00.6, 18.60S:69.30W, h106km, mb4.9/1
NEIC 29 14:06:01.0, 0.0, 18.62S:69.49W, h111km, mb4.7/5, ML4.2(GUC), After GUC.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, Minye Minye, etc.

1500

Table with columns: MNSI, Mandailing Nat, 5.04 339 P, Pn, 14 12 23.1 +2.4. Includes stations like Kota Tinggi, Gununglito, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Severo-Kuril's, Pauzhetka, Khodutka, Kamc, etc.

MAN 29 14:12:24.13, 13.66N:120.38E, h33km, mb3.7, ML2.4, MS1.9, K1, Mindoro
LUBP Lubang 0.15 299 eP Op
PGP Puerto Galera 0.56 106f eP S
SJMP San Jose 1.39 149 eP S

BUJ 29 14:21:16.1, 6.10S:104.30E, h60km, mb5.1/59, mb5.1/34, Ms4.7/36, Ms7.4/5/36
DJA 29 14:21:16.8, 0.2, 6.5S:2.104E, h48km, 2km, MS.1/58, mb5.5/36, mb5.2/58, MLV.5/419, Mw(mB)5.0/36
IDC 29 14:21:17.5, 1.6, 5.90S:104.57E, h52km, 13km, mb4.7/44, mb1.4/745, mb1mx4.5/67, mbtmp4.9/45, ML4.2/1, MS4.1/36, Ms1.4/136, ms1mx4.0/58, Error ellipse: s-maj=13.0km s-min=7.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Kota Agung, Liwa, Kotabumi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Westbrook Farm, Lakeview Retre, Columbiana, etc.

MEX 29 14:49:07.0, 3.2488N, 99.717W, h20km, MD3.5, Central Mexico

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Linares, baz=265, slow=11.

NIED 29 14:56:00, 28.30N, 128.80E, h77km, Mw4.1 Best double couple: M1.61000, 1019. NP1.347, 00000, 351.00000, 1.328, 00000, NP2.94, 00000, 871.00000, 1.138, 00000.

BJI 29 14:56:16.8, 28.08N, 128.89E, h96km, mb4.3/3.3, MB4.5/15 ISCJB 29 14:56:17.5, 0.2, 28.22N, 0.103, 128.86E, 0.4, h90km, 2km, mb4.1/27, Error ellipse: s-maj=6.7km s-min=2.9km az=35.1

JMA 29 14:56:18.6, 0.1, 28.32N, 128.77E, h68km, 2km, M3.8 JMA Felt J1.

IDC 29 14:56:19.1, 0.7, 28.25N, 128.71E, h93km, 8km, mb3.7/18, mb1.3/9/23, mb1mx3.6/72, mbtmp4.1/23, MS3.3/1, Ms1.3/3.1, ms1mx2.3/63, Error ellipse: s-maj=16.0km s-min=8.2km az=108.0

NEIC 29 14:56:19.4, 0.5, 28.18N, 128.79E, h96km, 5km, mb4.5/9, Error ellipse: s-maj=10.0km s-min=5.8km az=143.0

NEIC Recarded (J JMA) in Kagoshima

ISC 29 14:56:18.2, 0.6, 28.24N, 0.04, 128.84E, 0.04, h83km, 5km, n90, c145/111, mb4.2/27, 1C-1D, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Amaminishikomi, JAMN, JTK, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JAGN Aguni-jima, JYAK Yakushimahirau, JYAK Kuchinoerabu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GERES GERESS Array B, GEAO GERESS Array S, EKA Eskdalemuir Ar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GLA, PV09, WUAZ, PV23, etc.

ISCJB 29 15:12:53.0±0.5, 49.86N±0.03, 18.48E±0.03, h0km, Error ellipse: s-maj=4.7km s-min=2.6km az=10.7

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

ISCJB 29 15:17:25.9±0.6, 32.27N±0.03, 115.29W±0.05, h21km, 7km, Error ellipse: s-maj=6.5km s-min=5.3km az=10.1

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

ISCJB 29 15:53:58.5±4.0, 31.01S±0.2, 176.6W±0.6, h33km, mb3.7/3, Error ellipse: s-maj=7.1km s-min=15.8km az=12.1

0.4nm, 0.9s, baz=5.9, slow=3.9, SNR=4.5

NNC 29 17:26:31.5:3.1, 36.74N:71.33E, h166km, z49km, mb2.8, mpv3.6, Error ellipse: s-maj=37.7km s-min=28.7km az=92.0

ISC 29 17:26:23.2:1.4, 36.22N:0.09:71.3E:0.1, h114km, n16, c2515/21, 5C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SFK, MNAS, AAK, KK31, etc.

CSEM 29 17:32:28.8:0.1, 44.19N:17.94E, h2km, ML2.6, Error ellipse: s-maj=3.7km s-min=2.3km az=51.0

BE0 29 17:32:29.0:3.4, 44.20N:17.89E, h0km, ML2.4/10

PRU 29 17:32:30.6, 44.28N:18.25E, h0km

ISC 29 17:32:28.5:1.0, 44.20N:0.02:17.91E:0.02, h7km, q9km, n88, c0596/153, 24C-6D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DOB, BLY, BNL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BOJS, CRES, GBR, etc.

NIED 29 17:33:02.3:2.60N, 131.90E, h47km, Mw4.0 Best double couple: M1.070000, 1.015 NP1: 23.00000, 823.00000, lambda=52.00000, NP2: 163.00000, 872.00000, lambda=105.00000

ISCJBJ 29 17:33:11.5:0.4, 32.62N:0.04:131.81E:0.04, h59km, 3km, mb3.7/10, MS3.1/2, Error ellipse: s-maj=7.5km s-min=5.3km az=154.6

JMA 29 17:33:12.7, 32.62N:131.83E, h47km, 1km, M3.8 Broadband fault plane solution: P waves. NP1: 167.00000, 870.00000, lambda=121.00000, NP2: 137.00000, 837.00000, lambda=35.00000 Principal axes: T P19.00000, Azm290.00000, N P192.00000, Azm179.00000, P P194.00000, Azm38.00000

JMA Felt II, J1 IDC 29 17:33:14.0:1.2, 32.61N:131.64E, h65km, 9km, mb3.4/10, mb1.3/6.14, mb1mx3.4/6.8, mbmp3.7/14, MS3.0/5, Ms1.3/0.5, ms1mx2.6/4.2 Error ellipse: s-maj=18.7km s-min=15.3km az=57.0

ISC 29 17:33:12.4:0.7, 32.62N:0.05:131.82E:0.04, h49km, 6km, n35, c093/38, mb3.7/10, 2C-6D, Kyushu

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JSKE, JHHC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like MKAR, KURBB, BVAR, etc.

NEIC 29 17:35:49.0:0.0, 12.02S:77.20W, h58km, mb4.5/11, ML4.5(ARE), After ARE.

NEIC Felt [I] at Callao, Lima and Ricardo Palma and [II] at Huacho, Huaral and San Luis. Also felt at Mala and Santa Malita

IDC 29 17:35:50.9:1.3, 11.94S:77.16W, h49km, 11km, mb3.8/9, mb1.4/0.10, mb1mx3.7/4.1, mbmp4.1/10, ML2.1/10, MS3.5/6, Ms1.3/5.6, ms1mx3.0/4.2, Error ellipse: s-maj=30.0km s-min=18.3km az=61.0

ISC 29 17:35:49.0:0.6, 12.14S:0.07:77.24W:0.07, h35km, n69, c2515/60, mb4.4/16, MS3.7/6, 1C, Near coast of Peru

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like NNA, NNA, NNA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like OGWZ Otaki Gorge, HOWZ Holdsworth Sta, CPWZ Castlepoint, etc.

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

ISCJB 29 20:21:23.0±0.5, 11.96N:07:14:01E:0.07, h34km, mb4.0/20, MS3.3/16, Error ellipse: s-maj=9.8km s-min=9.3km az=14.6

IDC 29 20:21:27.0±0.3, 12.04N:141.30E, h51km, mb3.8/19, mb1.4/0.20, mb1mx3.8/5.3, mbmp4.1/20, ML4.3/1, MS3.3/17, Ms1.3/4/17, m1mx3.1/5.2, Error ellipse: s-maj=21.2km s-min=10.0km az=76.0

ISC 29 20:21:25.2±0.1, 10.96N:09:14:10E:0.09, h34km, mb3.7, ±1844/26, mb4.0/20, MS3.3/16, Western Caroline Islands

ISCJB 29 20:55:47.5±0.3, 37.22N:02:72.03E:0.06, h142km, mb3.4/10, Error ellipse: s-maj=6.9km s-min=3.1km az=171.1

IDC 29 20:55:10.4±0.3, 37.40N:71.88E, h137km, mb3.3/10, mb1.3/5.15, mb1mx3.3/6.4, mbmp3.9/15, MS2.6/1, Ms1.2/6/1, m1mx2.2/4.3, Error ellipse: s-maj=34.6km s-min=16.3km az=179.0

NIC 29 20:55:52.8±2.7, 37.67N:71.73E, h170km, mb3.6/6, mp4.5, Error ellipse: s-maj=25.4km s-min=15.5km az=18.0

ISC 29 20:55:48.3±0.6, 37.26N:02:72.06E:0.07, h142km, n64, ±245/75, mb3.5/10, 11-C6D, Tajikistan

ISCJB 29 21:04:31.0±0.7, 2.57N:0:09:89.62E:0.06, h10km, mb3.9/9, MS3.1/1, Error ellipse: s-maj=13.2km s-min=7.4km az=23.8

IDC 29 21:04:32.1±1.7, 2.65N:89.59E, h10km, mb3.6/7, mb1.3/9/10, mb1mx3.6/9, mbmp3.7/10, ML4.0/3, MS3.1/1, Ms1.3/1/1, m1mx2.4/5.5, Error ellipse: s-maj=43.3km s-min=22.3km az=39.0

NEIC 29 21:04:33.1±0.5, 2.57N:89.62E, h10km, mb4.7/4, Error ellipse: s-maj=10.4km s-min=6.8km az=200.0

ISC 29 21:04:33.0±0.9, 2.6N:1.8770E:0.08, h10km, n40, ±0599/34, mb3.9/9, North Indian Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GUMO Guam, JOW Kunigami, JHJ Hachijo Jimz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SFK Sufi-Kurgan, CEP Cherat, CHCP Chirah Chowk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GSI Gunungsitoli, PSI Prapat, PALK Pallekele, etc.

29d 22h

Table with columns for station code, name, coordinates, and various data points. Includes stations like YSS, MSHR, USRKR, USA0B, MDJ, etc.

2012 JUL

Table with columns for station code, name, coordinates, and various data points. Includes stations like ZEA, HIA, SSE, SSE, SSE, etc.

1514

Table with columns for station code, name, coordinates, and various data points. Includes stations like QZH, BTO, GUMO, GUMO, SMY, SMY, SMY, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like WVT, U47A, 240A, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like 146A, 146A, 247A, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like MAW, SDV, ROSC, etc.

ISCJB 29:22:09.07,6:0.24,740N:0.02:122:37E:0.02, h4km, 3km, Error ellipse: s-maj=3.0km s-min=2.1km az=18.6

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like E0S1, E0S1, EGS, etc.

29d 23h

Table of station data for 29d 23h, including columns for station name, time, and other parameters. Includes stations like YMO5, YMO10, YMO4, etc.

2021 JUL

Main table of station data for 2021 JUL, including columns for station name, time, and other parameters. Includes stations like WDGJ, VCHM, ISCJB, etc.

1522

Table of station data for 1522, including columns for station name, time, and other parameters. Includes stations like S1RN, S1RN, SVAN, etc.

249A Camden baz=214	18.51 30 P	P	23 14 48.3 -1.2	T25A Trinidad 30nm,0.9s	21.52 346 eP	P	23 15 24.0 +1.4	Q42A Golden Eagle baz=197	23.49 15 P	P	23 15 42.4 -0.6
Z45A Winona baz=205	18.61 22 P	P	23 14 49.5 -1.1	155A Kite	21.54 38 P	P	23 15 19.8 -2.7	T49A Edmonton	23.51 26 P	P	23 15 41.8 -1.5
MIAR Mount Ida baz=192	18.62 12 P	P	23 14 50.6 -0.2	GOGA Godefrey baz=220,SNR=5.4	21.54 35 P	P	23 15 20.3 -2.3	IRM Iron Mountain	23.52 322 P	P	23 15 44.3 +0.8
MIAR Mount Ida Basin Creek Fa baz=195	18.62 12 eP	P	23 14 49.5 -1.3	T42A Van Buren baz=187,SNR=7.0	21.56 15 P	P	23 15 22.2 -0.5	R45A Skylar, Fairri baz=135	23.55 20 P	P	23 15 43.2 -0.3
AMTX Amarillo baz=168	18.81 351 P	P	23 14 54.1 +1.2	T42A Van Buren 11nm,0.8s	21.56 15 eP	P	23 15 23.1 +0.4	P39B Salisbury baz=192,SNR=5.5	23.58 10 P	P	23 15 43.2 -0.6
AMTX Amarillo baz=211	18.81 351 eP	P	23 14 54.0 +1.0	Y52A Lilburn baz=218,SNR=7.2	21.56 33 P	P	23 15 21.0 -1.9	U51A La Follette baz=215	23.58 29 P	P	23 15 42.2 -1.8
Y44A Strider, Charl baz=203	18.96 20 P	P	23 14 54.0 -0.5	Y52A Lilburn 29nm,0.8s	21.56 33 eP	P	23 15 21.1 -1.7	P38A Dawn baz=190,SNR=7.8	23.59 9 P	P	23 15 43.5 -0.4
Z47A Carrollton baz=209	19.10 26 P	P	23 14 55.0 -1.1	S38A Stockton baz=193	21.58 9 P	P	23 15 23.2 +0.3	P38A Dawn baz=190,SNR=7.8	23.59 9 eP	P	23 15 42.8 -1.1
Y45A Yeager Farm, C baz=204	19.11 22 P	P	23 14 55.5 -0.6	UTMT University of 113nm,1.1s	21.58 20 P	P	23 15 23.6 +0.6	V53A Saluda 18nm,1.1s	23.61 32 P	P	23 15 42.4 -1.9
UALR University of 12nm,1.2s	19.11 14 eP	P	23 14 55.7 -0.5	V47A Nunnely baz=207,SNR=10	21.61 24 P	P	23 15 21.9 -1.3	V53A Saluda baz=218	23.61 32 eP	P	23 15 43.3 -1.0
W49A Jones baz=211	19.18 30 P	P	23 14 55.7 -1.2	X51A Calhoun baz=215	21.71 31 P	P	23 15 22.7 -1.7	PV01 Paradox Valley baz=203	23.66 339 eP	P	23 15 45.8 +0.8
1399A Magazine baz=192	19.22 11 P	P	23 14 57.0 -0.3	S39A Bolivar baz=191,SNR=5.5	21.73 10 P	P	23 15 23.9 -0.6	Q43A Mount Douglas baz=199	23.73 16 P	P	23 15 44.3 -1.0
W39A Magazine 45nm,1.6s	19.22 11 eP	P	23 14 57.4 +0.1	S39A Bolivar baz=191,SNR=5.5	21.73 10 eP	P	23 15 23.9 -0.6	R46A Gibon Southern baz=205	23.73 21 P	P	23 15 44.8 -0.6
X43A Marvel baz=200	19.26 18 P	P	23 14 56.3 -1.5	S39A Bolivar 11nm,1.0s	21.73 10 P	P	23 15 22.9 -1.7	T50A Nancy baz=212	23.74 27 P	P	23 15 43.8 -1.7
X43A Marvel 24nm,0.9s	19.26 18 eP	P	23 14 57.5 -0.4	S39A Bolivar baz=191,SNR=5.5	21.73 10 eP	P	23 15 22.9 -1.7	P40A Paris baz=194,SNR=8.9	23.75 12 P	P	23 15 44.7 -1.0
W40A Ferguson Farm, baz=194	19.35 12 P	P	23 14 58.7 -0.1	WVT Waverly baz=206	21.76 23 P	P	23 15 23.6 -1.3	P40A Paris 17nm,0.9s	23.75 12 eP	P	23 15 44.0 -1.5
Y46A Houston baz=206,SNR=8.9	19.38 24 P	P	23 14 58.0 -1.1	WVT Waverly 15nm,0.5s	21.76 23 eP	P	23 15 23.0 -1.9	PV13 Radium Mtn., P 11nm,1.0s	23.77 339 eP	P	23 15 46.8 +0.8
BNM Barren Site LRAL Lakeview Retre baz=212	19.39 338 eP	P	23 15 01.6 +2.1	Z54A Sparta baz=222	21.76 36 P	P	23 15 22.6 -2.4	S48A Wiedeman Farm, baz=203	23.78 24 P	P	23 15 44.1 -1.7
LRAL Lakeview Retre baz=212	19.44 29 P	P	23 14 58.2 -1.6	S40A Lebanon baz=194,SNR=9.5	21.79 12 P	P	23 15 24.4 -0.8	PV05 Paradox Valley U52A Thorn Hill baz=216	23.79 338 eP	P	23 15 48.3 +0.5
LRAL Lakeview Retre 5.0nm,0.7s	19.44 29 eP	P	23 14 58.9 -0.9	V48A Smith Brothers baz=209,SNR=12	21.81 25 P	P	23 15 23.7 -1.8	BELC Belle Mtn. Jos	23.92 321 P	P	23 15 48.2 +0.8
Z48A Northport baz=210	19.48 27 P	P	23 14 59.3 -0.9	V48A Smith Brothers 16nm,0.8s	21.81 25 eP	P	23 15 24.0 -1.4	PV17 East Wray Mesa 6.2nm,0.7s	23.92 338 eP	P	23 15 48.3 +0.8
251A Midway baz=218	19.48 34 P	P	23 14 58.6 -1.7	Y53A Monroe baz=219	21.81 34 P	P	23 15 23.2 -2.3	TZTN Tazewell baz=219	23.94 30 P	P	23 15 45.5 -1.9
W41B Gary Mavity, V baz=195	19.52 14 P	P	23 15 00.2 -0.4	T43A Greenville baz=195,SNR=5.9	21.83 17 P	P	23 15 24.2 -1.4	TZTN Tazewell 8.8nm,1.0s	23.94 30 eP	P	23 15 45.8 -1.6
W41B Gary Mavity, V 10.0nm,1.1s	19.52 14 eP	P	23 15 00.9 -0.6	S41A Jilco Farms, baz=195,SNR=11	21.94 13 P	P	23 15 26.1 -0.7	PV20 West Nyswonger 4.4nm,0.8s	23.98 338 eP	P	23 15 48.1 +0.1
LENM Lemitar 150A Eclectic baz=216	19.53 337 eP	P	23 15 02.4 +1.3	W50A Signal Mountai baz=213,SNR=7.1	22.02 29 P	P	23 15 25.8 -1.9	KM5C Kings Mountain baz=222	24.00 35 P	P	23 15 45.6 -2.5
150A Eclectic baz=216	19.57 32 P	P	23 15 00.1 -1.1	W50A Signal Mountai 27nm,1.0s	22.02 29 eP	P	23 15 25.7 -1.9	PV10 Paradox Valley G38A Galt baz=190	24.04 38 eP	P	23 15 48.0 -0.7
353A Camilla baz=222	19.59 38 P	P	23 14 60.0 -1.5	R38A Fenwick Farm, baz=190	22.12 9 P	P	23 15 28.2 -0.6	P41A Barry Barry baz=196	24.08 9 P	P	23 15 47.7 -1.0
WHAR Woolly Hollow 16nm,1.2s	19.62 14 eP	P	23 15 01.9 +0.2	V49A McMinville baz=211	22.22 27 P	P	23 15 28.2 -1.7	T51A Gray baz=214	24.09 29 P	P	23 15 47.5 -1.4
TUL1 Leonard baz=186	19.65 5 P	P	23 15 00.4 -1.7	X52A Dahlonega baz=217	22.23 32 P	P	23 15 27.5 -2.4	SMCO Snowmass 7nm,1.3s	24.11 343 eP	P	23 15 50.6 +1.1
TUL1 Leonard 14nm,1.3s	19.65 5 eP	P	23 15 00.8 -1.3	U47A Claxville baz=207	22.24 23 P	P	23 15 28.8 -1.2	Q45A Warren Harvey, baz=203	24.14 19 P	P	23 15 47.8 -1.4
TUC Tucson baz=141	19.70 326 P	P	23 15 04.6 +1.8	W51A Cleveland baz=215	22.24 30 P	P	23 15 27.9 -2.2	R47A Woolly Knot Far baz=203	24.16 23 P	P	23 15 48.0 -1.4
TUC Tucson 2.8nm,0.8s	19.70 326 eP	P	23 15 04.9 +2.2	Y54A Tignall baz=201,SNR=5.6	22.31 35 P	P	23 15 28.1 -2.7	P42A Winchester baz=197,SNR=5.8	24.17 15 P	P	23 15 48.7 -0.8
OXF Oxford baz=204	19.74 22 P	P	23 15 02.0 -1.0	S42A Caledonia baz=198,SNR=5.2	22.34 15 P	P	23 15 30.8 -0.3	P42A Winchester baz=197,SNR=5.8	24.17 15 eP	P	23 15 48.2 -1.3
OXF Oxford 15nm,0.9s	19.74 22 eP	P	23 15 01.0 -2.0	SDCO Great Sand Dun baz=193,SNR=7.4	22.37 344 P	P	23 15 32.0 +0.3	PV09 Paradox Valley Cone Mtn., Par 6.9nm,0.9s	24.18 338 eP	P	23 15 51.4 +1.4
Z49A Columbiana baz=213	19.79 30 P	P	23 15 02.4 -1.3	SDCO Great Sand Dun 4.2nm,0.7s	22.37 344 eP	P	23 15 32.3 +0.5	PV21 Paradox Valley Cone Mtn., Par 6.9nm,0.9s	24.18 339 eP	P	23 15 51.4 +1.4
Y47A UCPARC, Winfie baz=209	19.80 26 P	P	23 15 02.6 -1.1	R39A Chumby, Stover baz=192	22.38 10 P	P	23 15 31.5 -0.1	WCI Wyandotte Cave baz=208	24.18 23 P	P	23 15 48.7 -1.0
LAZ Ladron 151A Opelika baz=217	19.81 337 eP	P	23 15 04.2 +0.2	X53A Eastonlee baz=219	22.46 33 P	P	23 15 30.2 -2.2	WCI Wyandotte Cave 14nm,0.8s	24.18 23 eP	P	23 15 49.0 -0.7
151A Opelika baz=217	19.86 33 P	P	23 15 02.6 -1.8	CCM Cathedral Cave baz=196	22.50 14 P	P	23 15 32.7 -0.1	S49A Springfield baz=208	24.20 25 P	P	23 15 48.0 -1.8
V39A Pettigrew baz=192,SNR=16	19.87 11 P	P	23 15 04.0 -0.5	CCM Cathedral Cave 10nm,0.8s	22.50 14 eP	P	23 15 32.8 -0.1	ISCO Idaho Springs baz=162,SNR=29	24.34 346 P	P	23 15 51.9 +0.4
455A Stateville baz=226	19.89 41 P	P	23 15 01.9 -2.8	V50A Pikeville baz=213	22.50 28 P	P	23 15 31.1 -1.7	ISCO Idaho Springs 14nm,0.8s	24.34 346 eP	P	23 15 51.9 +0.4
V40A Witts Springs baz=194,SNR=6.7	19.99 12 P	P	23 15 05.3 -0.6	R40A Maddies Statio baz=194,SNR=6.6	22.50 12 P	P	23 15 32.3 -0.6	O40A La Belle baz=194,SNR=6.1	24.35 12 P	P	23 15 50.5 -0.7
V40A Witts Springs 10nm,0.7s	19.99 12 eP	P	23 15 05.0 -0.9	R40A Maddies Statio 11nm,0.7s	22.50 12 eP	P	23 15 32.0 -0.8	P43A Skaggs, Pawnee baz=199	24.43 16 P	P	23 15 51.2 -0.7
ANMO Albuquerque 7.0nm,1.1s,baz=145,slow=12,SNR=9.9	20.05 339 P	P	23 15 07.9 +1.2	T46A Princeton baz=205	22.55 22 P	P	23 15 32.0 -1.3	S50A Richmond baz=208	24.48 27 P	P	23 15 50.6 -1.8
ANMO comp=Z,469nm,18.3s,baz=154,slow=39	20.05 339 LR	LR	23 23 32.2	WUAZ Wupatki baz=144	22.55 331 P	P	23 15 34.8 +1.2	R48A Northridge Ran baz=208	24.49 24 P	P	23 15 51.4 -1.1
ANMO Albuquerque baz=155	20.05 339 P	P	23 15 07.5 +0.8	WUAZ Wupatki 12nm,0.9s	22.55 331 eP	P	23 15 34.5 +0.8	P44A Sand Creek, Wi baz=208	24.52 18 P	P	23 15 51.7 -1.1
ANMO Albuquerque 8.9nm,1.1s	20.08 23 P	P	23 15 08.0 +1.2	GLA Glamis 7.7nm,1.0s	22.56 321 eP	P	23 15 35.2 +1.6	O41A Passleys Farm, baz=196,SNR=10	24.55 13 P	P	23 15 51.8 -1.1
X46A Booneville baz=206,SNR=9.5	20.10 27 P	P	23 15 06.2 -0.6	CPCT Cooper Cave 8.4nm,0.7s	22.59 30 P	P	23 15 31.7 -2.1	N37A Lee Faris, Mou 18nm,1.1s	24.61 7 eP	P	23 15 52.4 -1.2
Y48A Jasper baz=211	20.10 27 P	P	23 15 05.6 -1.4	U48A Cassie Pea, Po baz=209	22.59 25 P	P	23 15 32.4 -1.4	T52A Hallie baz=216	24.66 30 P	P	23 15 52.0 -2.0
V41A Mountainview baz=196	20.12 14 P	P	23 15 06.7 -0.5	W52A Murphy baz=216	22.59 31 P	P	23 15 31.9 -2.0	R49A Shelbyville baz=210	24.68 25 P	P	23 15 52.7 -1.5
Z50A Ashland baz=215	20.14 31 P	P	23 15 05.7 -1.7	FVM French Village 7.8nm,0.9s	22.64 16 eP	P	23 15 33.2 -1.1	Q47A Bedford North L baz=207	24.76 22 P	P	23 15 53.6 -1.3
152A Waverly Hall baz=218	20.29 34 P	P	23 15 07.4 -1.7	S44A Carbondale baz=201	22.70 14 P	P	23 15 34.4 -0.5	N38A Joes South For baz=190,SNR=7.5	24.78 9 P	P	23 15 54.2 -0.9
Y42A Cord baz=198	20.33 16 P	P	23 15 08.9 -0.6	R41A Rosebud baz=196	22.70 14 P	P	23 15 34.4 -0.5	S51A Beattyville baz=208	24.80 28 P	P	23 15 53.9 -1.5
X47A Russelville baz=208	20.33 25 P	P	23 15 08.1 -1.4	SIUC Southern Illin 29nm,1.1s	22.73 18 eP	P	23 15 33.9 -1.3	S51A Beattyville 11nm,0.8s	24.80 28 eP	P	23 15 54.3 -1.0
Y49A Blount Mountai baz=213	20.40 29 P	P	23 15 08.8 -1.5	Q37A Longview Farm, baz=205	22.73 7 P	P	23 15 35.3 +0.1	P45A Graceland, Par baz=203	24.84 19 P	P	23 15 54.5 -1.2
Y49A Blount Mountai 14nm,0.7s	20.40 29 eP	P	23 15 08.9 -1.3	S22A 4UR Ranch, Cre baz=157,SNR=13	22.74 342 P	P	23 15 36.6 +0.9	P45A Graceland, Par 9.7nm,0.7s	24.84 19 eP	P	23 15 54.5 -1.2
W45A Hickory Valley baz=204	20.43 11 P	P	23 15 09.2 -1.1	S22A 4UR Ranch, Cre 5.5nm,0.8s	22.74 342 eP	P	23 15 36.8 +1.1	TUQ Turquoise Moun baz=195	24.88 323 P	P	23 15 56.9 +0.7
U39A Green Forest baz=192,SNR=11	20.52 12 P	P	23 15 10.2 -0.4	KSU1 Kansas State U baz=183	22.77 3 P	P	23 15 35.9 +0.2	N39A Derby Farms, D baz=192,SNR=5.1	24.97 10 P	P	23 15 55.9 -0.9
U40A Yelville baz=193,SNR=8.9	20.52 12 P	P	23 15 11.3 -0.2	KSU1 Kansas State U 14nm,0.7s	22.77 3 eP	P	23 15 35.5 -0.1	N39A Derby Farms, D baz=192,SNR=5.1	24.97 10 eP	P	23 15 56.1 -0.7
254A Abbeville baz=223	20.57 38 P	P	23 15 09.7 -2.4	T47A Sharon Grove baz=207	22.79 23 P	P	23 15 34.9 -1.0	MTPU Mount Pierson 11nm,0.8s	25.00 333 eP	P	23 15 59.2 +1.7
214A Organ Pipe Nat baz=193	20.58 322 P	P	23 15 13.9 +1.6	T47A Sharon Grove 25nm,1.3s	22.79 23 eP	P	23 15 34.0 -1.8	Q48A North Vernon baz=208	25.01 23 P	P	23 15 55.5 -1.6
X48A Hartselle baz=210	20.61 27 P	P	23 15 11.0 -1.5	MVCO Mesa Verde baz=193,SNR=8.0	22.81 338 P	P	23 15 37.1 +0.8	R50A Paris baz=212	25.02 26 P	P	23 15 55.8 -1.4
X48A Hartselle 8.8nm,0.6s	20.61 27 eP	P	23 15 11.2 -1.3	MVCO Mesa Verde 17nm,1.0s	22.81 338 eP	P	23 15 37.1 +0.8	S52A Salyersville baz=215	25.07 29 P	P	23 15 55.8 -2.0
PLAL Pickwick Lake 12nm,0.9s	20.65 24 eP	P	23 15 11.5 -1.5	R42A Luebbering baz=197	22.82 15 P	P	23 15 35.9 -0.3	P46A Rosedale baz=204	25		

30d 0h

Table with columns: SFIN, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Lafayette, Milan, State Center, etc.

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Table with columns: HLID, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Hailey, Mellen, Wakefield, etc.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Manas, Uchtor, Kyzart, etc.

IS/CJB 29 23:30:34.0±1.0, 77.42N:0.06±7.8E:0.3, h10km, Error ellipse: s-maj=9.8km s-min=9.3km az=163.9

CSEM 29 23:30:35.0±0.6, 77.51N:7.74E, h8km, 5km, ML2.8, Error ellipse: s-maj=10.4km s-min=8.0km az=28.0

BAO 29 23:30:40.5±2.6, 77.54N:8.80E, h20km, 19km, ML2.8

NER 29 23:30:40.1±3.6, 77.41N:8.64E, h10km, ML2.8, ML2.8(N/AO)

ISC 29 23:30:35.1±1.0, 77.52N:0.07±7.44E:0.06, h10km, n13, r153/176, Svalbard region

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

IDC 29 23:34:12.4±9.9, 6.80S:129.95E, h68km, 96km, mb3.4/3, mb1.3/6.5, mb1mx3.3/4.6, mbtmp3.8/5, ML4.0/2, Error ellipse: s-maj=136.1km s-min=35.3km az=61.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRA, ASAR, STKA, etc.

IDC 29 23:34:15.3±5.6, 35.89N:71.50E, h85km, 38km, mb3.3/3, mb1.3/6.5, mb1mx3.0/6.5, mbtmp3.6/8, Error ellipse: s-maj=69.7km s-min=25.0km az=145.0

ISC/JB 29 23:34:19.6±1.3, 36.4N:0.17±2.0E:0.1, h119km, mb3.5/2, Error ellipse: s-maj=21.6km s-min=8.1km az=141.1

NIC 29 23:34:23.5±5.5, 37.05N:70.54E, h8km, mb4.2, mpv4.1, Error ellipse: s-maj=51.2km s-min=33.3km az=151.0

ISC 29 23:34:20.3±2.1, 36.3N:0.27±3.0E:0.2, h119km, n26, r1506/228, 2C-9D, Afghanistan-Tajikistan border region

MEX 29 23:43:40.3±3.8, 24.83N:99.68W, h20km, MD3.5, Central Mexico

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

RSR 29 00:08:38.2±18.68N:69.02W, h132km, MD3.6/6, 8C-1D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Loma Pena Alta, etc.

ATH 30 00:31:41.5, 37.08N:26.62E, h28km, 1km, ML2.6/5, Error ellipse: s-maj=2.0km s-min=1.2km az=275.0

ISC/JB 30 00:31:41.8±0.5, 37.06N:0.02±26.58E:0.02, h7km, 4km, Error ellipse: s-maj=3.4km s-min=2.9km az=10.3

DDA 30 00:31:41.0, 37.05N:26.55E, h5km, M13.2

ISK 30 00:31:42.1, 37.09N:26.62E, h10km, ML2.6/12

THE 30 00:31:42.6, 37.07N:26.60E, h8km, 2km, ML2.5/5, Error ellipse: s-maj=2.6km s-min=1.0km az=47.0

CSEM 30 00:31:42.5±1.0, 37.07N:26.58E, h10km, ML2.6, Error ellipse: s-maj=2.5km s-min=2.0km az=9.0

ISC 30 00:31:42.5±1.0, 37.06N:0.02±26.59E:0.01, h14km, 8km, n92, r125/139, Dodecanese Islands

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

AMG 30 00:31:42.5±1.0, 37.06N:0.02±26.59E:0.01, h14km, 8km, n92, r125/139, Dodecanese Islands

30d 1h

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Table with columns: Station, Frequency, Band, Mode, Power, and other technical details. Includes stations like MTRV, GRL, RUS, etc.

Table with columns: Station, Frequency, Band, Mode, Power, and other technical details. Includes stations like ASAJ, ERM, SEY, etc.

Table with columns: Station, Frequency, Band, Mode, Power, and other technical details. Includes stations like BMO, LAMP, UTTA, etc.

NOA	NORSAR Array B	65.52 342	P	P	01 39 51.0	-2.2
NOA	NORSAR Array B	65.52 342	P	LR	02 14 05.1	
NOA	NORSAR Array B	65.52 342	P	P	01 39 51.0	-2.2
S22A	4UR Ranch, Cre	65.69 60	P	P	01 39 57.3	+2.4
Q24A	Divide	65.73 58	P	P	01 39 57.2	+1.9
EYMN	Ely	65.83 43	eP	P	01 39 55.9	+0.6
HFS	Hagfors	65.85 341	P	P	01 39 53.3	-1.9
HFS	Hagfors	65.85 341	P	LR	02 12 10.9	
C38A	Sawbill Land	66.11 43	P	P	01 39 57.5	+0.5
214A	Organ Pipe Nat	66.38 68	P	P	01 40 01.2	+2.0
SDCO	Great Sand Dun	66.42 59	P	P	01 40 01.6	+2.0
SDCO	Great Sand Dun	66.42 59	eP	P	01 40 01.6	+2.0
ECSD	EROS Data Cent	66.64 49	P	P	01 40 01.2	+0.7
ECSD	EROS Data Cent	66.64 49	eP	P	01 40 01.1	+0.6
F38A	Pierce Schro	67.18 45	P	P	01 40 05.0	+1.1
H36A	Jessenland, He	67.28 47	P	P	01 40 06.0	+1.4
SPMN	Marine on St.	67.31 46	P	P	01 40 05.8	+1.1
TUC	Tucson	67.33 66	P	P	01 40 07.3	+2.2
T25A	Trinidad	67.46 59	P	P	01 40 07.9	+1.8
TASM	ASL Pad, Albuq	67.91 62	P	P	01 40 11.0	+2.1
ANMO	Albuquerque	67.91 62	P	P	01 40 10.5	+1.6
ANMO	Albuquerque	67.91 62	pP	P	01 40 31.1	+0.4
ANMO	Albuquerque	67.91 62	LR	LR	02 06 40.9	
ANMO	Albuquerque	67.91 62	P	P	01 40 11.0	+2.1
ANMO	Albuquerque	67.91 62	eP	P	01 40 10.9	+1.9
TASL	Snake Pit, Alb	67.91 62	P	P	01 40 11.0	+2.0
I37A	Lemond, Waseca	67.96 47	P	P	01 40 10.3	+1.4
J36A	Geneca 1, Swea	68.03 48	P	P	01 40 10.1	+0.8
E41A	Kenton	68.08 43	P	P	01 40 10.1	+0.5
J37A	Redenius Farm,	68.42 48	P	P	01 40 12.6	+0.8
F41A	Three Lakes	68.58 43	P	P	01 40 13.5	+0.7
K37A	Belmond	68.79 48	P	P	01 40 14.6	+0.5
H40A	Chili	68.88 45	P	P	01 40 15.1	+0.5
I39A	Houston	68.95 46	P	P	01 40 15.9	+0.8
H41A	Junction City	69.21 44	P	P	01 40 16.9	+0.2
L37A	Phoenix Point,	69.23 49	P	P	01 40 17.3	+0.5
J39A	Decorah	69.27 47	P	P	01 40 17.0	0.0
L38A	Oak Wood Farm,	69.60 48	P	P	01 40 19.3	+0.2
SCIA	State Center	69.65 48	P	P	01 40 20.4	+1.0
AKASG	Malin Array Be	69.82 328	P	P	01 40 17.3	-2.9
AKASG	Malin Array Be	69.82 328	LR	LR	02 12 47.9	
KVAR	Kislovodsk Arr	69.94 315	LR	LR	02 13 38.9	
KBZ	Khabaz	70.03 315	P	P	01 40 20.4	-1.2
KBZ	Khabaz	70.03 315	LR	LR	02 13 06.6	
L39A	Vinton	70.06 48	P	P	01 40 22.4	+0.5
I42A	Draeger Farm,	70.11 44	P	P	01 40 22.6	+0.4
F45A	CMU Biological	70.17 41	P	P	01 40 22.7	+0.2
J42A	Columbus	70.47 45	P	P	01 40 24.4	0.0
M39A	Webster	70.48 48	P	P	01 40 25.1	+0.6
K42A	Prairie Point,	70.79 45	P	P	01 40 26.3	0.0
P37A	Lathrop	70.88 51	P	P	01 40 27.4	+0.5
MNTX	Cornudas Mount	70.90 63	P	P	01 40 29.1	+1.9
MNTX	Cornudas Mount	70.90 63	eP	P	01 40 28.4	+1.2
N40A	Mertquake, Sal	71.22 48	P	P	01 40 29.4	+0.4
P38A	Dawn	71.25 50	P	P	01 40 29.7	+0.5
Q37A	Longview Farm,	71.37 51	P	P	01 40 30.1	+0.2
Q04A	La Belle	71.68 49	P	P	01 40 32.2	+0.5
Q38A	Cooks Store, C	71.72 51	P	P	01 40 32.2	+0.2
P39B	Salisbury	71.74 50	P	P	01 40 32.2	+0.1
GNI	Garni	71.97 312	LR	LR	02 14 38.3	
Q39A	Willow Grove F	71.97 50	P	P	01 40 34.0	+0.5
N42A	Yates City	72.00 47	P	P	01 40 34.0	+0.4
P40A	Paris	72.05 49	P	P	01 40 34.4	+0.5
R38A	Fenwick Farm,	72.18 51	P	P	01 40 34.2	-0.6
WMOK	Wichita Mounta	72.29 57	P	P	01 40 36.7	+1.2
WMOK	Wichita Mounta	72.29 57	eP	P	01 40 36.4	+0.9
WMOK	Wichita Mounta	72.29 57	eP	P	01 40 36.4	+0.9
P41A	Garry Barry	72.42 49	P	P	01 40 36.4	+0.3
Q40A	Laux Farm, Auc	72.46 50	P	P	01 40 36.7	+0.3
R39A	Chumby, Stover	72.51 51	P	P	01 40 36.9	+0.1
S38A	Stockton	72.61 52	P	P	01 40 37.3	0.0
WRA	Warramunga Arr	72.78 202	P	P	01 40 39.1	+0.8
WRA	Warramunga Arr	72.78 202	pP	P	01 40 58.5	-1.9
P42A	Winchester	72.83 48	P	P	01 40 38.9	+0.4
T38A	Diamond	72.87 52	P	P	01 40 39.2	+0.3
Q41A	Truxton	72.90 49	P	P	01 40 39.6	+0.6
R40A	Madiesie Statio	72.91 50	P	P	01 40 39.4	+0.3
TUL1	Leonard	72.97 54	P	P	01 40 40.2	+0.7
Q42A	Golden Eagle	73.27 49	P	P	01 40 42.0	+0.8
S40A	Lebanon	73.33 51	P	P	01 40 41.6	0.0
R41A	Rosebud	73.34 50	P	P	01 40 41.8	+0.2
R42A	Luebbering	73.64 49	P	P	01 40 43.9	+0.5
TXAR	Lajitas Array	73.65 64	P	P	01 40 45.8	+2.1
TXAR	Lajitas Array	73.65 64	pP	pP	01 41 06.0	+0.2

TXAR	comp=Z,2.2nm,0.6s,baz=299,slow=4.9,SNR=6.1	LR	LR	02 11 58.6		
T40A	Manfield	73.67 51	P	P	01 40 43.8	+0.1
S41A	Jilco Farms,	73.72 50	P	P	01 40 44.0	+0.1
SFIN	Lafayette	73.72 46	P	P	01 40 44.1	+0.3
P44A	Sand Creek, Wi	73.74 47	P	P	01 40 44.3	+0.4
U39A	Green Forest	73.79 52	P	P	01 40 44.7	+0.4
L49A	Milan	73.80 42	P	P	01 40 44.9	+0.6
S42A	Caledonia	74.04 50	P	P	01 40 46.3	+0.5
R43A	Red Bud	74.06 49	P	P	01 40 46.0	+0.2
CLL	Collin	74.09 337	eP	P	01 40 45.0	-0.8
CLL	Collin	74.09 337	eP	P	01 40 45.0	-0.8
U40A	Yellville	74.13 52	P	P	01 40 46.5	+0.3
V39A	Pettigrew	74.13 53	P	P	01 40 46.5	+0.1
T41A	Mountain View	74.13 51	P	P	01 40 46.4	+0.1
Q45A	Wan Harvey,	74.41 47	P	P	01 40 48.4	+0.6
T42A	Van Buren	74.47 50	P	P	01 40 48.4	+0.2
R44A	Wainwright	74.49 48	P	P	01 40 48.7	+0.4
S43A	Fulton Ridge,	74.55 49	P	P	01 40 49.0	+0.3
W39A	Magazine	74.56 53	P	P	01 40 49.5	+0.8
V40A	Witts Springs	74.57 52	P	P	01 40 49.2	+0.3
Q48A	Farmland	74.69 44	P	P	01 40 49.5	0.0
P47A	Martinsville	74.81 46	P	P	01 40 50.2	+0.1
T43A	Greenville	74.83 50	P	P	01 40 50.7	+0.5
X39A	Fountain Ranch	74.92 54	P	P	01 40 52.0	+1.1
V41A	Mountainview	74.92 52	P	P	01 40 51.0	+0.1
W40A	Ferguson Farm,	74.93 53	P	P	01 40 51.6	+0.7
JCT	Junction City	74.97 60	P	P	01 40 52.4	+1.2
WHTX	Lake Whitney,	75.10 58	P	P	01 40 52.9	+0.9
Q49A	Covington	75.11 44	P	P	01 40 52.6	+0.7
N50A	Nevada	75.16 43	P	P	01 40 53.5	+1.4
T44A	Benton	75.17 49	P	P	01 40 53.0	+0.8
MIAR	Mount Ida	75.17 54	P	P	01 40 53.1	+0.8
Q47A	Bedford North L	75.18 46	P	P	01 40 52.6	+0.3
P48A	Milroy	75.22 45	P	P	01 40 52.6	+0.1
W41B	Gary Mavity, V	75.36 52	P	P	01 40 54.2	+0.8
LONY	Lake Ozonia	75.38 35	P	P	01 40 54.0	+0.6
MLR	Muntele Rosu	75.41 327	P	P	01 40 52.5	-1.2
MLR	Muntele Rosu	75.41 327	LR	LR	02 16 35.4	
O50A	Cable	75.47 44	P	P	01 40 54.3	+0.4
Q48A	North Vernon	75.51 46	P	P	01 40 54.4	+0.3
R47A	Woolly Knot Far	75.65 47	P	P	01 40 55.3	+0.3
V43A	Jonesboro	75.73 51	P	P	01 40 55.9	+0.4
X41A	Kaden, Bauxite	75.75 53	P	P	01 40 56.3	+0.7
WCI	Wynette Cave	75.81 46	P	P	01 40 56.8	+0.8
P50A	Jamestown	75.83 44	P	P	01 40 56.4	+0.5
Q49A	Aurora	75.83 45	P	P	01 40 56.4	+0.4
KHC	Kasperske Hory	75.95 336	eP	P	01 41 02.1	+5.5
KHC	Kasperske Hory	75.95 336	eP	P	01 41 02.1	+5.5
T46A	Princeton	76.02 48	P	P	01 40 58.2	+1.1
M54A	Oil Creek Stat	76.03 40	P	P	01 40 57.4	+0.3
GERES	GERESS Array B	76.18 336	P	P	01 40 56.4	-1.6
GERES	GERESS Array B	76.18 336	LR	LR	02 17 12.3	
Z40A	Long Farm, Mag	76.27 54	P	P	01 40 59.9	+1.3
N54A	Moraine State	76.35 41	P	P	01 40 59.6	+0.6
S48A	Wiedeman Farm,	76.39 47	P	P	01 40 59.8	+0.6
CONA	Conrad Observa	76.43 334	eP	P	01 40 59.6	+0.2
T47A	Sharon Grove	76.43 48	P	P	01 41 00.4	+0.9
ASAR	Alice Springs	76.46 201	P	P	01 41 01.4	+1.7
ASAR	Alice Springs	76.46 201	pP	P	01 41 01.4	+1.7
Q51A	Peebles	76.50 44	P	P	01 41 00.2	+0.4
S49A	Sprinfleld	76.64 46	P	P	01 41 01.4	+0.8
NATX	Nacogdoches	76.78 56	P	P	01 41 03.0	+1.5
WVT	Waverly	76.78 49	P	P	01 41 02.4	+1.0
U47A	Clarksville	76.79 48	P	P	01 41 02.3	+0.9
V46A	Holladay	76.90 49	P	P	01 41 02.7	+0.6
BINY	Binghamton	76.92 37	P	P	01 41 02.8	+0.7
T49A	Edmonton	77.08 47	P	P	01 41 03.6	+0.5
U48A	Cassie Pea, Po	77.09 48	P	P	01 41 04.0	+0.9
OXF	Oxford	77.30 51	P	P	01 41 05.1	+0.8
BRTR	Keosauqua Array B	77.33 319	P	P	01 41 03.4	-1.3
BRTR	Keosauqua Array B	77.33 319	LR	LR	02 18 11.1	
U49A	Red Boiling Sp	77.47 47	P	P	01 41 05.8	+0.7
T50A	Nancy	77.47 46	P	P	01 41 06.1	+0.8
S52A	Salversville	77.73 45	P	P	01 41 07.4	+0.7
SOKA	Soboth	77.80 334	eP	P	01 41 06.2	-0.9
U50A	Jamestown	77.96 47	P	P	01 41 08.8	+0.6
V49A	McClintville	77.99 48	P	P	01 41 08.6	

30d 2h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Bogdanovka, Lac, Akhalkalaki, Vladikavkaz, Tsey, Khunzakh, Vedeno, etc.

ISC/JCB 30.01:47.55.2.0.4, 21.54S.0.03:68.45W.0.06, h118km, 4km, mb4.2/22, Error ellipse: s-maj=9.1km s-min=4.8km az=2.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like IPOC Station P, Pisagua, Minye Minye, La Paz, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Pitinga, La Rusia, Palmer Station, Neumayer Olymp, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WAKE ISLAND Hy28.26 277, WAKE ISLAND Hy28.27 277, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Sufi-Kurgan, Manas, Karatay Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Sufi-Kurgan, Manas, Karatay Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Izmir, Balçova, Chios island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WAKE ISLAND Hy28.26 277, WAKE ISLAND Hy28.27 277, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Sufi-Kurgan, Manas, Karatay Array, etc.

1528

MAN 30.02:03:56.9, 7.32N.123.38E, h31km, mb4.5, ML3.4, MS3.2, 02C, Mindanao

Table with columns: CGP, Cagayan de Oro, 1.73 49f, eP, Pn, 02 04 25.2 +0.5, S, 02 04 45.7 0.0, S, 02 04 25.5 +0.2, S, 02 04 46.7 +0.1, S, 02 04 37.4 +0.4, S, 02 05 11.2 -3.4, S

NIED 30 02:16:00.39, 1.0N, 142.40E, h2km, Mb3.6 Best double couple: M2.98000x1014 NP1.98.00000, d75.00000, 1.2.00000. NP2.08.00000, d88.00000, 1.165.00000, 1.2.00000. 1.2.39.07N, 0.05:142.50E, 0.0, h30km, 6km, mb3.6/3, Error ellipse: s-maj=9.9km s-min=7.6km az=11.6 JMA 30 02:16:49.4, 0.1, 39.10N, 142.21E, h3km, Mb3.5 JMA Feil 1 J1

ISCJ 30 02:16:54.0, 5.0, 39.04N, 142.40E, h74km, 47km, mb3.3/3, mb1.3/4, mb11/3, 0.62, mbtmp3.4/4, ML2.8/1, Error ellipse: s-maj=4.3km s-min=30.1km az=98.0

ISC 30 02:16:49.5, 2.1, 39.13N, 142.42E, 0.1, h32km, 13km, n20, r105/22, mb3.9/3, Near east coast of eastern Honshu

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

ISCJB 30 02:22:45.2, 0.7, 29.52N, 0.04, 130.17E, 0.06, h24km, 7km, mb3.5/2, Error ellipse: s-maj=10.5km s-min=3.5km az=32.8

JMA 30 02:22:45.4, 0.1, 29.57N, 130.15E, h25km, 2km, M3.4 JMA Feil 1 J1

ISC 30 02:22:48.3, 4.8, 29.92N, 128.58E, h6km, 24km, mb3.2/2, mb1.3/5, mb1mx3/1.67, mbtmp3.5/5, Error ellipse: s-maj=139.2km s-min=10.2km az=109.0

ISC 30 02:22:43.3, 1.2, 29.47N, 0.03, 130.13E, 0.05, h6km, 10km, n21, r178/34, Ryukyu Islands

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

ISC 30 02:35:28.2, 8.2, 0.76N, 92.03E, h0km, mb3.5/3, mb1.3/7.4, mb1mx3/6.6, mbtmp3.6/4, ML3.6/1, Error ellipse: s-maj=70.6km s-min=30.4km az=52.0, Off west coast of northern Sumatra

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

ISCJB 30 02:38:44.8, 1.0, 14.8S, 0.2, 73.3W, 0.1, h98km, mb4.2/2, Error ellipse: s-maj=24.6km s-min=8.8km az=30.4

ISC 30 02:38:45.2, 2.1, 14.94S, 0.7, 73.39W, h76km, 2km, mb2.9/1, mb1.3/4.5, mb1mx3/2.46, mbtmp3.5/5, Error ellipse: s-maj=31.5km s-min=14.4km az=36.0

ISC 30 02:38:46.5, 1.0, 14.8S, 0.2, 73.3W, 0.1, h98km, n7, r108/8, Central Peru

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

Table with columns: TXAR, Lajitas Array, 52.79 326, P, P, 02 47 53.5 +1.5, 0.1nm, 0.5s, baz=152, slow=9.8, SNR=4.7, 0.3nm, 0.3s, baz=342, slow=3.3, SNR=2.8

Table with columns: SONM, Songoing Array, 147.10, 0, PKPbc, PKPab, 02 58 20.1, 0.0, 0.3nm, 0.3s, baz=342, slow=3.3, SNR=2.8

ISC 30 02:41:08.0, 1.1, 0.251N, 127.55E, h241km, 109km, mb3.0/5, mb1.3/1.5, mb1mx2/9.56, mbtmp3.6/5, MS3.6/1, Ms1.3/6.1, ms1mx2/6.20, Error ellipse: s-maj=174.0km s-min=21.3km az=65.0, Northern Moluca Sea

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

MEX 30 02:44:02.5, 0.4, 16.49N, 98.47W, h15km, 5km, MD3.9, Near coast of Guerrero

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

CSEM 30 02:44:50.2, 38, 15N, 20.76E, h17km, ML1.1/1, ATH 30 02:44:50.2, 38, 15N, 20.76E, h17km, 4km, ML1.1/1, Error ellipse: s-maj=5.7km s-min=1.7km az=201.0, Greece

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

ISC 30 02:51:37.5, 0.6, 5.10S, 153.17E, h0km, mb4.3/17, mb1.4/3/18, mb1mx4/2.48, mbtmp4.3/18, ML2.7/1, MS3.4/13, Ms1.3/4/13, mb1mx3/2.45, Error ellipse: s-maj=23.9km s-min=13.8km az=86.0

ISCJB 30 02:51:42.4, 0.4, 5.21S, 0.06, 153.10E, 0.08, h43km, mb4.3/20, MS3.4/12, Error ellipse: s-maj=11.3km s-min=8.1km az=22.0

NEIC 30 02:51:43.2, 1.2, 5.12S, 153.13E, h37km, 11km, mb4.7/4, Error ellipse: s-maj=9.0km s-min=8.5km az=71.0

ISC 30 02:51:44.1, 0.5, 5.18S, 0.08, 153.10E, 0.08, h43km, n48, r129/46, mb4.3/20, MS3.4/12, New Ireland region

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

PMG Port Moresby 7.24 234 Pn Pn 02 54 27.4 -0.0 6.8nm, 0.3s, baz=48, slow=7.7, SNR=8.3

PMG Port Moresby 7.24 234 ePn Pn 02 54 46.7 -1.6 2.6nm, 0.3s, baz=94, slow=19, SNR=3.5

PMG Port Moresby 7.24 234 ePn Pn 02 53 27.8 +0.4 29nm, 0.8s

PMG Honiara 8.00 122 LR LR 02 54 47.6 -0.7 2.86nm, 20.9s, baz=314, slow=40

HNR Honiara 8.00 122 ePn Pn 02 53 36.8 -1.1 HNR 02 55 55.5 +4.8

GUMO Guam 20.36 336 LR LR 02 56 26.5 +0.3 comp=Z, 83nm, 18.3s, baz=132, slow=40

DZM Dzumac 21.19 134 LR LR 02 56 26.5 +0.3 5.0nm, 0.5s, baz=340, slow=12, SNR=9.3

WRAB Tennant Creek 23.41 230 P P 02 56 50.0 +0.5 comp=Z, 1.68nm, 20.6s, baz=346, slow=34

WRA Warramunga Arr 23.42 230 P P 02 56 48.9 -0.7 1.4nm, 0.5s, baz=54, slow=9.9, SNR=6.8

WRA Alice Springs 26.08 223 P P 02 57 14.6 +0.6 0.8nm, 0.4s, baz=53, slow=2.5, SNR=5.2

ASAR Alice Springs 26.08 223 P P 02 57 14.6 +0.6 1.2nm, 0.6s, baz=60, slow=8.8, SNR=1.6

ASAR WAKE ISLAND Hy 27.09 29 T T 02 25 42.6 0.8nm, 0.8s, baz=59, slow=3.6, SNR=4.7

H1S1 WAKE ISLAND Hy 27.09 29 T T 02 25 42.6 0.3nm, 0.5s, baz=47, slow=2.9, SNR=5.4

H1S2 WAKE ISLAND Hy 27.09 29 T T 02 25 42.6 0.3nm, 0.5s, baz=47, slow=2.9, SNR=5.4

STKA Stephens Creek 28.67 201 P P 02 57 35.9 -1.1 1.3nm, 0.7s, baz=356, slow=10, SNR=3.0

STKA Marble Bar 36.54 241 eP P 02 58 41.4 -0.3 0.3nm, 0.8s

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

Table with columns: ZALV Zalesovo Beam 81.63 326 P P 03 03 56.8 -0.8 8.9nm, 0.6s, baz=112, slow=5.5, SNR=29

Table with columns: ILAR Eielson Array 8.23 22 P P 03 04 06.7 0.6nm, 0.7s, baz=247, slow=4.2, SNR=8.1

KURK Kurchatov 84.25 322 eP P 03 04 10.4 -0.8 3.2nm, 0.8s, baz=106, slow=4.3, SNR=27

KURSB Kurchatov Arra 84.28 322 P P 03 04 11.1 -0.3 8.2nm, 0.8s, baz=106, slow=4.3, SNR=27

TKMZ Tokmak 2 84.41 314 P P 03 04 12.6 +0.1 SNR=4.5

KZA Kyzart 84.48 313 P P 03 04 14.4 +1.2 SNR=5.5

QSPA South Pole Qui 84.78 180 P P 03 04 14.0 +0.1 1.8nm, 0.6s, baz=63, slow=5.6, SNR=13

QSPA South Pole Qui 84.78 180 eP P 03 04 14.4 +0.5 3.0nm, 0.5s

UCH Uchtor 85.05 313 P P 03 04 16.8 +0.8 SNR=6.5

AAK Ala-Archa 85.14 313 eP P 03 04 16.3 +0.1 2.5nm, 0.5s

USP Oспенновка SNR=5.5 85.26 314 P P 03 04 17.0 +0.4

MAW Mawson 85.34 203 P P 03 04 16.8 +0.4 1.0nm, 0.5s, baz=116, slow=7.2, SNR=2.6

AML Almayush 85.62 313 P P 03 04 20.1 +1.3 SNR=1.1

EKS2 Erkin-Say 85.66 313 P P 03 04 19.7 +1.0 SNR=5.5

INK Inuvik 88.70 21 LR LR 03 39 09.5 comp=Z, 3.7nm, 21.2s, baz=212, slow=52

BVAR Borovoye Array 89.72 323 P P 03 04 36.8 -1.0 4.0nm, 0.6s, baz=118, slow=5.4, SNR=24

BRVK Borovoye 89.79 323 eP P 03 04 37.1 -0.9 4.8nm, 0.5s

PKP Kaspersky Hory 124.42 329 ePKP PKPdf 03 10 40.3 +1.6

GERES GERES Array B 124.53 329 PKP PKPdf 03 10 39.4 +0.3 0.8nm, 0.6s, baz=75, slow=2.1, SNR=9.8

LPZ La Paz 133.98 118 PKP PKPdf 03 10 59.8 +1.3 1.1nm, 0.7s, baz=246, slow=4.4, SNR=6.2

MDT Midelt 145.52 326 PKPbc PKP 03 11 18.8 +0.0 3.2nm, 0.8s, baz=58, slow=1.7, SNR=15

BDFB Brasilia 150.59 135 PKPbc PKPbc 03 11 32.1 -0.5 3.2nm, 0.6s, baz=270, slow=2.0, SNR=8.9

TORD Torodi Arr. Bea 150.71 288 PKPbc PKPbc 03 11 31.8 -0.9 SNR=1.1

KOWA Kowma 155.65 294 PKPbc PKPdf 03 11 38.6 +4.2 SNR=1.1

KOWA Kowma 155.65 294 PKPbc PKPab 03 11 58.7 -1.9 1.4nm, 0.7s, baz=27, slow=2.2, SNR=4.5

DDA 30 03:06:43.2, 37.88N, 26.70E, h7km, ML2.5, ISK 30 03:06:43.6, 37.91N, 26.76E, h6km, ML2.2/4

CSEM 30 03:06:44.0, 0.2, 37.90N, 26.74E, h2km, ML2.5, Error ellipse: s-maj=4.7km s-min=2.5km az=51.0

ISC 30 03:06:43.6, 1.2, 37.89N, 0.03, 26.73E, 0.03, h8km, 9km, n25, r057/45, Dodecanese Islands

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

ISC 30 03:23:05.6, 0.9, 1.16N, 85.45W, h0km, mb3.8/11, mb1.4/1/16, mb1mx3/9.52, mbtmp4.0/16, ML3.2/4, MS3.4/16, Ms1.3/4/16, ms1mx3/2.45, Error ellipse: s-maj=31.9km s-min=14.7km az=54.0

NEIC 30 03:23:07.7, 0.4, 1.25N, 85.35W, h10km, mb4.2/7, Error ellipse: s-maj=10.4km s-min=7.7km az=46.0

ISCJB 30 03:23:08.9, 0.4, 1.23N, 0.05, 85.24W, 0.04, h33km, mb3.8/15, MS3.3/12, Error ellipse: s-maj=7.4km s-min=4.2km az=27.6

IGQ 30 03:23:14.0, 0.8, 1.1N, 8.85W, h10km, mb5.0, mb4.9/6, MLv4.7/1, Mw(M)4.3

ISC 30 03:23:10.3, 0.6, 1.15N, 0.07, 85.32W, 0.06, h35km, n74, r136/72, mb3.8/15, MS3.3/12, Off coast of Ecuador

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

ESDC	Sonsec Array	9.04 113	P	Pn	03 37 11.8 +2.9
ESDC	comp=N,480nm,0.2s,baz=301,slow=13,SNR=3013			S	03 38 45.9 -4.8
ESDC	comp=N,157nm,0.3s,baz=302,slow=24,SNR=15			S	03 37 11.8 +2.9
ESDC	Sonsec Array	9.04 113	P	Pn	03 37 08.6 -0.5
QUIF	Quistinic	9.06 59	ePn	Pn	03 38 40.4 -1.1
QUIF	comp=N,229nm,0.2s			eSn	03 37 08.6 -0.5
QUIF	Quistinic	9.06 59	P	Pn	03 38 40.4 -1.1
QUIF	comp=N,114nm,0.2s			S	03 37 08.6 -0.5
QUIF	Quistinic	9.06 59	ePn	Pn	03 38 40.4 -1.1
QUIF	Quistinic	9.06 59	eSn	Pn	03 37 08.6 -0.5
ECAB	ECAB	9.06 59	P	Pn	03 37 10.7 +1.4
ECAB	comp=N,71nm,0.3s,SNR=18			S	03 38 46.0 -5.4
ECAB	comp=N,78nm,0.3s,SNR=9.8			S	03 37 10.7 +1.4
ECAB	ECAB	9.06 126	P	Pn	03 37 10.7 +1.4
ECAB	comp=N,71nm,0.3s,SNR=18			S	03 37 09.7 -0.1
CCA1	Carmenellis	9.11 42	eP	Pn	03 37 10.2
CCA1	comp=Z,92nm,0.5s			IAMB	03 37 10.4
CCA1	comp=Z,64nm,0.3s			IAML	03 37 09.4 -0.4
CCA1	Carmenellis	9.11 42	P	Pn	03 37 10.1 -0.5
ROSF	RoStrene	9.17 56	ePn	Pn	03 38 42.3 -1.1
ROSF	comp=Z,525nm,0.3s			eSn	03 37 10.1 -0.5
ROSF	RoStrene	9.17 56	P	Pn	03 37 10.1 -0.5
ROSF	comp=Z,262nm,0.3s			S	03 38 42.3 -1.1
ROSF	RoStrene	9.17 56	ePn	Pn	03 37 10.1 -0.5
ROSF	RoStrene	9.17 56	eSn	Pn	03 38 42.3 -1.1
ROSF	RoStrene	9.17 56	P	Pn	03 37 11.1 -0.5
ROSF	RoStrene	9.17 56	P	Pn	03 37 14.1 +1.5
HORN	Hornachuelos	9.31 126	P	Pn	03 38 50.5 -6.9
HORN	comp=Z,149nm,0.2s,SNR=777			S	03 37 16.9 +1.6
EADA	Adamuz	9.51 123	P	Pn	03 38 52.2 -5.1
EADA	comp=Z,149nm,0.2s,SNR=777			S	03 37 16.9 +1.6
EADA	Adamuz	9.51 123	P	Pn	03 37 15.7 -0.4
EADA	comp=Z,43nm,0.1s,SNR=6.3			S	03 38 52.6 -1.1
EADA	Adamuz	9.51 123	P	Pn	03 37 15.7 -0.4
EADA	comp=Z,149nm,0.2s,SNR=777			S	03 38 52.6 -1.1
SGMF	Saint Gilles	9.57 58	ePn	Pn	03 37 15.7 -0.4
SGMF	comp=Z,287nm,0.3s			S	03 38 52.6 -1.1
SGMF	Saint Gilles	9.57 58	P	Pn	03 37 15.7 -0.4
SGMF	comp=Z,144nm,0.3s			S	03 37 15.7 -0.4
SGMF	Saint Gilles	9.57 58	ePn	Pn	03 37 15.7 -0.4
SGMF	comp=Z,262nm,0.3s			S	03 38 52.6 -1.1
SGMF	Saint Gilles	9.57 58	eSn	Pn	03 37 15.7 -0.4
SGMF	Saint Gilles	9.57 58	P	Pn	03 37 15.7 -0.4
EALK	Alkurruniz	9.63 89	P	Pn	03 37 18.8 +1.8
EALK	comp=Z,56nm,0.3s,SNR=18			S	03 38 59.2 -6.0
EALK	Alkurruniz	9.63 89	P	Pn	03 37 18.8 +1.8
EALK	comp=Z,541nm,0.3s,SNR=10			S	03 37 20.0 +2.8
EALK	Alkurruniz	9.63 89	P	Pn	03 37 20.0 +2.8
EALK	comp=Z,56nm,0.3s,SNR=18			S	03 37 23.3 +4.0
GIBL	Gibalbin	9.64 133	P	Pn	03 37 23.3 +4.0
GIBL	Gibalbin	9.64 133	P	Pn	03 37 23.3 +4.0
SFS	San Fernando	9.80 135	P	Pn	03 37 24.6 +5.2
SFS	San Fernando	9.80 135	P	Pn	03 37 24.6 +5.2
IPRE	Itolz	9.80 91	P	Pn	03 39 06.0 -3.4
IPRE	comp=Z,30nm,0.5s,SNR=4.8			S	03 39 06.0 -3.4
IPRE	Itolz	9.80 91	P	Pn	03 37 21.8 +2.2
IPRE	comp=Z,193nm,0.6s,SNR=9.5			S	03 39 06.5 -3.4
IPRE	Itolz	9.80 91	P	Pn	03 37 21.8 +2.2
IPRE	comp=Z,193nm,0.6s,SNR=9.5			S	03 39 06.5 -3.4
EORO	Oroz-Betelu	9.82 91	P	Pn	03 37 21.8 +2.2
EORO	comp=Z,37nm,0.3s,SNR=62			S	03 39 06.5 -3.4
EORO	Oroz-Betelu	9.82 91	P	Pn	03 37 21.8 +2.2
EORO	comp=Z,620nm,0.5s,SNR=17			S	03 37 21.8 +2.2
EORO	Oroz-Betelu	9.82 91	P	Pn	03 39 06.5 -3.4
EORO	comp=Z,37nm,0.3s,SNR=62			S	03 37 21.2 +1.3
EORO	Oroz-Betelu	9.82 91	P	Pn	03 39 02.7 -7.8
EORO	comp=Z,620nm,0.5s,SNR=17			S	03 37 21.2 +1.3
SJPF	Ste Jean	9.85 89	ePn	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 37 21.2 +1.3
SJPF	Ste Jean	9.85 89	ePn	Pn	03 39 02.7 -7.8
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,116nm,0.2s			S	03 39 02.7 -7.8
SJPF	Ste Jean	9.85 89	P	Pn	03 37 21.2 +1.3
SJPF	comp=Z,58nm,0.2s			S	03 39 02.7 -7.8</

30d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MPAL Palemas, EBEN2 Beniarda presa, CAF Calviac, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like LASF Ste Croix, LOR Trabuc cave, LOR Lormes, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MBDF Montbardon, MBDF La Foret Royal, FRF La Foret Royal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VRAC Vranov, BSD Bornholm Skovb, MODS Modra-Piesok, etc.

MEX 30 03:53:19.0-0.6, 18.40N x 102.59W, h11km, 12km, MD3.7, Michoacan. Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KMSI Cibinong, MMIG Zihuatanejo, ARIG Puento Sto Nin, etc.

KURBB Kurchatov Arra 63.76 330 P P 04 10 06.0 -2.1
THE 30 04:31:41.9, 37°85'N-26°67'E, h0km, 1km, ML2.5/3, Error ellipse: s-maj=2.8km s-min=0.8km az=234.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DAT Data, PRK Paraskevi, YER Yerkesik, etc.

IDC 30 04:49:45.9-1.2, 2°33'N-90°27'E, h0km, mb3.8/5, mb1.4/0.8, mb1.3/6.4, mb1mx3.4/5.0, mbtmp3.5/4, Error ellipse: s-maj=211.9km s-min=21.0km az=62.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BSI Banda Aceh, SNSI Sinabang, MSLI Meulaboh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, MKAR Makanchi Array, etc.

CASC 30 05:09:50.2±1.8, 8.47N-83.17W, h16km, 6km, MD4.0, 1C, Costa Rica. Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

IDC 30 05:19:40.5-0.5, 1°87'S-80°80'W, h0km, mb4.4/2.3, mb1.4/6.29, mb1mx4.5/49, mbtmp4.5/29, ML4.1/5, MS4.1/34, Ms1.4/134, ms1mx4.0/5.3, Error ellipse: s-maj=17.5km s-min=10.7km az=57.0

NEIC 30 05:19:46.9-0.5, 1°90'S-80°75'W, h47km, 4km, mb4.8/263, MW4.9(G), Error ellipse: s-maj=4.3km s-min=2.9km az=59.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AGUAY Guayaquil, AMANT Manta, AMANT Manta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RETU Refugio, BPAT Tungurahua Vol, BPAT Tungurahua Vol, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BSI Banda Aceh, SNSI Sinabang, MSLI Meulaboh, etc.

30d 5h

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Table with columns for station ID, name, coordinates, elevation, and various performance metrics. Includes stations like COV1, PUYO, YANA, ANTA, etc., and continues down to MPR.

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TX31	Lajitas Ar. Si	37.98 327	eP	P	05 27 01.1 +0.5
UALR	University of	38.06 345	eP	P	05 27 01.7 +0.7
V47A	Nunnally	38.06 351	P	P	05 27 01.7 +0.6
U53A	Fall Branch	38.12 358	P	P	05 27 00.9 -0.7
V46A	Holladay	38.13 350	P	P	05 27 01.2 -0.5
U52A	Thorn Hill	38.19 357	P	P	05 27 02.4 +0.2
MIAR	Mount Ida	38.19 343	P	P	05 27 03.1 +1.0
MIAR	Mount Ida	38.19 343	eP	P	05 27 03.0 +0.8
U51A	La Follette	38.21 356	P	P	05 27 03.2 +0.8
X39A	Fountain Ranch	38.32 342	P	P	05 27 03.7 +0.4
U50A	Jamestown	38.32 355	P	P	05 27 02.6 -0.6
TZTN	Tazewell	38.35 357	P	P	05 27 02.9 -0.6
TZTN	Tazewell	38.35 357	eP	P	05 27 02.9 -0.6
WVT	Waverly	38.41 351	P	P	05 27 02.6 -1.3
WVT	Waverly	38.41 351	eP	P	05 27 03.0 -1.0
W41B	Gary Mavity, V	38.41 345	P	P	05 27 04.4 +0.4
W41B	Gary Mavity, V	38.41 345	eP	P	05 27 04.0 0.0
U49A	Red Boiling Sp	38.41 354	P	P	05 27 04.0 -0.8
WHAR	Woolly Hollow	38.53 345	eP	P	05 27 05.0 0.0
U48A	Cassie Pea, Po	38.60 353	P	P	05 27 06.4 +0.9
W40A	Ferguson Farm,	38.65 344	P	P	05 27 07.3 +1.3
ABTX	Abilene, Hawle	38.68 334	P	P	05 27 07.9 +1.5
ABTX	Abilene, Hawle	38.68 334	eP	P	05 27 07.0 +0.6
U45A	Rockin P Farm,	38.78 350	P	P	05 27 08.0 +0.9
T51A	Gray	38.79 356	P	P	05 27 08.0 +0.8
V42A	Cord	38.80 346	P	P	05 27 08.8 +1.6
W39A	Magazine	38.86 343	P	P	05 27 08.0 +0.3
W39A	Magazine	38.86 343	eP	P	05 27 07.8 +0.1
U44B	Burton Farm, H	38.88 349	P	P	05 27 08.3 +0.4
T52A	Halle	38.88 357	P	P	05 27 09.6 +1.6
T50A	Nancy	38.92 355	P	P	05 27 08.0 -0.3
BLA	Blacksburg	38.93 1	P	P	05 27 09.7 +1.2
V41A	Mountainview	38.97 345	P	P	05 27 08.4 -0.3
T49A	Edmonton	39.07 354	P	P	05 27 08.7 -0.8
T49A	Edmonton	39.07 354	eP	P	05 27 08.1 -1.5
T47A	Sharon Grove	39.14 352	P	P	05 27 09.0 -1.1
V40A	Witts Springs	39.16 345	P	P	05 27 10.1 -0.2
V40A	Witts Springs	39.16 345	eP	P	05 27 11.0 +0.7
T48A	Bowling Green	39.17 353	P	P	05 27 10.7 +0.3
PARMO	Parma	39.27 349	eP	P	05 27 11.4 +0.3
U42A	Revendens	39.28 347	P	P	05 27 10.6 -0.7
T46A	Princeton	39.31 351	P	P	05 27 11.0 -0.5
T45A	Paducah	39.41 350	eP	P	05 27 12.0 -0.4
V39A	Pettigrew	39.42 344	P	P	05 27 12.0 -0.5
U41A	Viola	39.44 346	P	P	05 27 12.5 -0.1
SS1A	Beattyville	39.44 357	P	P	05 27 12.3 -0.3
SS1A	Beattyville	39.44 357	eP	P	05 27 11.3 -1.3
SS2A	Salyersville	39.45 357	P	P	05 27 11.8 -0.9
PBMO	Poplar Bluff	39.52 348	eP	P	05 27 12.9 -0.3
SS0A	Richmond	39.53 356	P	P	05 27 12.8 -0.6
S48A	Wedeman Farm,	39.67 354	P	P	05 27 12.6 -2.0
U40A	Yellville	39.69 345	P	P	05 27 14.9 +0.2
S47A	Hartford	39.71 353	P	P	05 27 13.7 -1.1
S49A	Springfield	39.72 355	P	P	05 27 13.5 -1.4
PLCA	Paso Flores	39.75 168	P	P	05 27 17.1 +1.8
PLCA	Paso Flores	39.75 168	LR	P	05 40 35.3
PLCA	Paso Flores	39.75 168	eP	P	05 27 15.0 -0.2
T43A	Greenville	39.78 348	P	P	05 27 15.3 -0.2
U39A	Green Forest	39.88 344	P	P	05 27 16.0 -0.3
CVRD	Centerville Ro	39.89 4	eP	P	05 27 15.0 -1.3
T42A	Van Buren	39.90 347	P	P	05 27 15.7 -0.7
T42A	Van Buren	39.90 347	eP	P	05 27 15.8 -0.7
HHAR	Hobbs	39.91 343	eP	P	05 27 17.0 +0.4
TRQA	Tornquist	39.92 157	eP	P	05 27 15.8 -0.8
PTRD	Partlow Road	39.95 4	eP	P	05 27 16.3 -0.5
PTRD	Carrier Mills	40.04 350	eS	P	05 33 18.6 -1.9
S45A	Mountain View	40.07 346	P	P	05 27 17.1 -0.5
R51A	Hillsboro	40.10 357	P	P	05 27 17.0 -1.0
R50A	Paris	40.13 356	P	P	05 27 17.4 -0.9
TUL1	Leonard	40.13 341	P	P	05 27 18.6 +0.1
TUL1	Leonard	40.13 341	eP	P	05 27 18.8 +0.3
WMOK	Wichita Mounta	40.16 337	P	P	05 27 18.5 -0.2
WMOK	Wichita Mounta	40.16 337	eP	P	05 27 18.8 +0.2
S44A	Carbondale	40.17 350	P	P	05 27 17.9 -0.8
USIN	University of	40.18 352	eP	P	05 27 17.7 -1.0
SIUC	Southern Illin	40.19 350	eP	P	05 27 18.1 -0.7
R49A	Shelbyville	40.21 355	P	P	05 27 18.7 -0.3
S43A	Fulton Ridge,	40.21 349	P	P	05 27 18.5 -0.5
WCI	Wyandotte Cave	40.26 353	P	P	05 27 18.3 -1.1
WCI	Wyandotte Cave	40.26 353	eP	P	05 27 18.4 -1.1
T40A	Mansfield	40.35 346	P	P	05 27 19.2 -1.0
T39A	Clever	40.45 344	P	P	05 27 21.4 +0.3
S42A	Caledonia	40.55 348	P	P	05 27 21.9 +0.1
S41A	Jillico Farms,	40.58 347	P	P	05 27 22.0 -0.1

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GDL2	Guadalupe Moun	40.59 329	eP	P	05 27 23.5 +1.1
R45A	Skyler, Fairri	40.59 351	P	P	05 27 21.4 -0.8
Q50A	Georgetown	40.66 356	P	P	05 27 23.0 +0.2
F5M	French Village	40.68 348	eP	P	05 27 23.6 +0.7
R44A	Waltonville	40.68 350	P	P	05 27 22.4 -0.5
T38A	London	40.72 343	P	P	05 27 21.9 -1.3
MNTX	Cornudas Mount	40.74 327	P	P	05 27 23.1 -0.5
MNTX	Cornudas Mount	40.74 327	eP	P	05 27 23.6 +0.1
S40A	Lanabon	40.77 346	P	P	05 27 23.5 -0.1
Q51A	Peebles	40.81 357	P	P	05 27 22.9 -1.1
R43A	Red Bud	40.86 349	P	P	05 27 23.6 -0.8
Q49A	Aurora	40.89 355	P	P	05 27 23.5 -1.1
Q48A	North Vernon	40.89 354	P	P	05 27 24.1 -0.6
CCM	Cathedral Cave	40.92 347	P	P	05 27 25.5 +0.7
CCM	Cathedral Cave	40.92 347	eP	P	05 27 24.8 0.0
Q47A	Bedord North L	40.98 353	P	P	05 27 24.5 -0.8
OLIL	Olney	41.00 351	eP	P	05 27 24.8 -0.7
R42A	Luebbering	41.04 348	P	P	05 27 25.4 -0.5
S39A	Bolivar	41.07 345	P	P	05 27 26.3 +0.2
S39A	Bolivar	41.07 345	eP	P	05 27 26.5 +0.4
Q45A	Warren Harvey,	41.17 351	P	P	05 27 25.5 -1.4
S38A	Stockton	41.17 344	P	P	05 27 26.9 -0.1
R41A	Rosebud	41.18 347	P	P	05 27 26.5 -0.5
MSTX	Muleshoe	41.23 332	P	P	05 27 28.0 +0.4
MSTX	Muleshoe	41.23 332	eP	P	05 27 28.2 +0.6
SLM	Saint Louis	41.27 349	eP	P	05 27 26.7 -1.0
Q44A	Meyer Farm, Va	41.31 350	P	P	05 27 26.7 -1.3
R40A	Maddies Statio	41.38 346	P	P	05 27 27.9 -0.7
R40A	Maddies Statio	41.38 346	eP	P	05 27 27.9 -0.7
P48A	Milroy	41.39 355	P	P	05 27 27.6 -1.1
P50A	Jamestown	41.41 357	P	P	05 27 27.7 -1.2
Q43A	New Douglas	41.47 350	P	P	05 27 28.8 -0.5
AMTX	Amarillo	41.49 334	P	P	05 27 30.6 +0.8
AMTX	Amarillo	41.49 334	eP	P	05 27 29.8 +0.1
P47A	Martinsville	41.50 354	P	P	05 27 29.1 -0.6
R39A	Chumby, Stover	41.58 346	P	P	05 27 29.9 -0.5
Q42A	Golden Eagle	41.60 349	P	P	05 27 30.5 +0.1
R38A	Fenwick Farm,	41.69 344	P	P	05 27 31.0 -0.2
P45A	Graceland, Par	41.73 352	P	P	05 27 31.8 +0.3
Q41A	Truxton	41.78 348	P	P	05 27 31.4 -0.5
P44A	Sand Creek, Wi	41.80 351	P	P	05 27 31.5 -0.5
O50A	Cable	41.94 357	P	P	05 27 32.0 -1.2
Q40A	Laux Farm, Aux	42.00 347	P	P	05 27 33.5 -0.2
O49A	Covington	42.02 356	P	P	05 27 32.7 -1.2
O56A	Blue Knob Stat	42.04 3	P	P	05 27 33.5 -0.5
O56A	Blue Knob Stat	42.04 3	eP	P	05 27 33.1 -0.9
P43A	Skaggs, Pawnee	42.12 350	P	P	05 27 33.3 -1.3
HSIG	Farmland	42.16 319	eP	P	05 27 35.8 +0.6
O48A	Farmland	42.16 355	P	P	05 27 34.7 -0.3
P42A	Winchester	42.21 349	P	P	05 27 35.2 -0.2
P42A	Winchester	42.21 349	eP	P	05 27 34.5 -0.9
O47A	Sheridan	42.23 354	P	P	05 27 34.2 -1.4
Q39A	Willow Grove F	42.26 346	P	P	05 27 35.4 -0.5
Q38A	Cooks Store, C	42.34 345	P	P	05 27 36.6 +0.1
P41A	Barry, Barry	42.44 348	P	P	05 27 37.6 +0.4
SSPA	Standing Stone	42.44 3	P	P	05 27 35.9 -1.3
SSPA	Standing Stone	42.44 3	eP	P	05 27 37.1 -0.2
O44A	Mansfield	42.45 351	P	P	05 27 37.9 +0.6
SPIN	Lafayette	42.48 353	P	P	05 27 37.0 -0.5
P40A	Paris	42.51 347	P	P	05 27 37.6 -0.2
P40A	Paris	42.51 347	eP	P	05 27 37.3 -0.5
N50A	Nevada	42.54 357	P	P	05 27 37.7 -0.4
LUPA	Lehigh Unvers	42.61 6	eP	P	05 27 38.3 -0.4
P39B	Salisbury	42.63 346	P	P	05 27 39.2 +0.4
N54A	Moraine State	42.68 1	P	P	05 27 39.1 -0.2
N54A	Moraine State	42.68 1	eP	P	05 27 37.8 -1.5
121A	Cookes Peak, D	42.70 326	P	P	05 27 39.9 +0.1
O41A	Passleys Farm,	42.83 349	P	P	05 27 39.4 -1.1
N59A	State Game Lan	42.88 6	P	P	05 27 41.2 +0.3
N59A	State Game Lan	42.88 6	eP	P	05 27 40.3 -0.6
P38A	Dayton	42.95 346	eP	P	05 27 41.2 -0.2
N44A	Piper City	43.03 352	P	P	05 27 40.6 -1.4
O40A	La Belle	43.04 348	P	P	05 27 41.3 -0.8
P37A	Lathrop	43.12 345	P	P	05 27 43.2 +0.4
M50A	Fremont	43.16 358	P	P	05 27 42.5 -0.6
PAL	Palisades	43.19 8	P	P	05 27 43.3 0.0
M54A	Oil Creek Stat	43.24 1	P	P	05 27 43.6 -0.2
M54A	Oil Creek Stat	43.24 1	eP	P	05 27 42.1 -1.7
M49A	Liberty Center	43.28 357	P	P	05 27 43.7 -0.3
BNN	Barren Site	43.30 328	eP	P	05 27 45.9 +1.2
KSU1	Kansas State U	43.32 342	P	P	05 27 43.7 -0.8
KSU1	Kansas State U	43.32 342	eP	P	05 27 44.9 +0.5
N43A	Stueman Famil	43.32 351	P	P	05 27 44.2 -0.2
N42A	Yates City	43.36 350	P	P	05 27 43.9 -0.8
ALLY	Alegheny Colle	43.37 1	eP	P	05 27 44.3 -0.5

30d 5h

N41A	Harden Midland
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30d 5h

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1536

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like LONY Lake Ozonia, H42A Shiocton, OGNE Ogallala, 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 P17A Butcher Ranch, MSU Marysville, TMUT Trail Mountain, 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 BOZ Bozeman (W), AFDM Forest Hills D, MFID Camas Ranch, etc.

1537

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Eskdalemuir Ar, Indian Mountai, Danmarks Havn, South Pole Qui, etc.

ISCJB 30 05:20:33.8.0.7, 7.9S:0.1x119.29E:0.05, h300km, mb3.3/3, Error ellipse: s-maj=15.8km s-min=7.1km az=9.8

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

KRSC 30 05:21:48.7.1.3, 49.33N:157.09E, h16km, 22km, ML3.9, 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, SKR, PAU, etc.

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Table with columns: SPN, SPN, GNL, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Severo-Shipunski, Ganaly.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MEX 30 05:25:38.5-0.5, 16.25N:95.97W, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NNC 30 05:29:09.1-0.8, 54.17N:86.37E, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KRSC 30 05:36:09.6:2.1, 49.29N:157.37E, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MEX 30 05:43:25.9-0.6, 17.18N:100.30W, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MEX 30 05:49:30.8-0.5, 16.29N:98.31W, etc.

ISCJB 30 06:01:42.7-0.9, 29.36S:0.10x178.8W:0.2, h300km, mb3.4/4, Error ellipse: s-maj=21.9km s-min=10.8km

ISCJB 30 06:01:43.3-0.6, 29.22S:178.87W, h288km, 7km, mb3.2/4, mb1.3/4.5, mb1mx3.1/4.5, mbtm3.7/5, Error ellipse: s-maj=31.9km s-min=21.4km az=143.0

ISCJB 30 06:01:43.7-0.7, 29.5S:0.1x178.7W:0.2, h300km, n17, c18/19, mb3.3/4, Kermadec Islands

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

30d 6h

ellipse: s-maj=3.1km s-min=2.1km az=66.0

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MEX 30 05:43:25.9-0.6, 17.18N:100.30W, etc.

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

ISCJB 30 06:01:42.7-0.9, 29.36S:0.10x178.8W:0.2, h300km, mb3.4/4, Error ellipse: s-maj=21.9km s-min=10.8km

ISCJB 30 06:01:43.3-0.6, 29.22S:178.87W, h288km, 7km, mb3.2/4, mb1.3/4.5, mb1mx3.1/4.5, mbtm3.7/5, Error ellipse: s-maj=31.9km s-min=21.4km az=143.0

ISCJB 30 06:01:43.7-0.7, 29.5S:0.1x178.7W:0.2, h300km, n17, c18/19, mb3.3/4, Kermadec Islands

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

30d 9h

2012 JUL

1542

Table with multiple columns containing names, dates, times, and numerical values. Includes entries like 'PLE Plijevlja', 'ULC Ulcinj', 'OBKA Obir', 'TRV Trieste', etc.

30d 9h

2012 JUL

1544

Table with columns for station name, frequency, power, and other technical details. Includes stations like SLON, ATMC, CDRU, MGR, etc.

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

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

Table with columns for name, date, time, and location. Includes entries like PAIG Paliouri, FSK Fiskardo, BUR04 Bucovina Ar. S, etc.

Table with columns for name, date, time, and location. Includes entries like BRG comp=E,2um,12.0s, BRG comp=Z,369nm,11.8s, GUT Gutenstein, etc.

Table with columns for name, date, time, and location. Includes entries like SMRF comp=Z,39nm,0.7s, SMRF Simiane la Rot, SMRF Simiane la Rot, etc.

30d 9h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like FLN, ETSF, HFS, etc.

2012 JUL

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KURK, SFJD, DBIC, etc.

1546

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KRBN, AYDB, BODT, etc.

30d 11h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KBA, CONA, MAN 30, MSLP, MSPL, SCPH, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WEL 30, WMGZ, PKGZ, CNGZ, etc.

ISCJB 30 10:18:54.7-0.2 6.83N-0.02-73.10W-0.03, h163km, 2km, mb4.0/26, Error ellipse: s-maj=4.5km s-min=3.8km az=28.4

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BARC, PAMC, BRRC, RUSC, etc.

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JMA 30, JMA 30, JMA 30, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MJAR, JHJ, JHJ, H1N2, etc.

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

ISN 30 11:02:16.0-0.9 32.95N-46.64E, h0km, 5km, ML2.5

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

NNC 30 11:35:12.9-2.6 44.07N-83.83E, h0km, mb2.9, mpv2.6

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

ATH 30 11:37:00.8, 37.82N-26.72E, h25km, 1km, ML2.4/4, Error ellipse: s-maj=3.0km s-min=1.4km az=90.0

ISCJB 30 11:37:01.7, 0.5, 37.82N-26.66E, h2km, ML2.6/10

CSEM 30 11:37:01.6, 0.2, 37.84N-26.66E, h8km, ML2.4, Error ellipse: s-maj=3.8km s-min=3.0km az=57.0

DDA 30 11:37:01.9, 37.88N-26.74E, h7km, ML2.9

ISC 30 11:37:01.5-0.9, 37.87N-26.62E, h0.03, h14km, 6km, n30, e034/45, Dodecanese Islands

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

30d 13h

Table with columns: Call sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BSWZ, ALRZ, MTHZ, etc.

MEX 30 13:04:03.6.0.4, 15:59N-98.81W, h16km, 999km, MD3.9
IDC 30 13:04:05.0.6.7, 15:95N-98.33W, h0km, mb3.5/4,
mb1.3.8/5, mb1mx3.6/46, mbtmp3.4/5, ML3.0/1, MS2.9/1,
Ms1.3.0/1, ms1mx2.3/29, Error ellipse: s-maj=191.3km
s-min=105.0km az=78.0

ISC 30 13:04:08.2.0.0, 16.0N, 0.1x98.56W, 0.07, h17km, n10,
e148/13, mb3.3/3, Near coast of Guerrero

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PNIG, TLIG, CAIG, etc.

ILAR comp=Z.23nm, 18.8s, baz=254, slow=39
Eielson Array 58.56 338 P P 13 14 03.8 +0.1

ISK 30 13:07:52.5, 37.87N-26.71E, h2km, ML3.3/13
ATH 30 13:07:52.1, 37.85N-26.76E, h27km, 1km, ML3.1/4, Error
ellipse: s-maj=3.2km s-min=1.2km az=84.0

ISCBJ 30 13:07:52.8, 0.5, 37.85N-0.02-26.67E, 0.02, h2km, 3km,
Error ellipse: s-maj=3.4km s-min=2.7km az=153.2

DDA 30 13:07:52.4, 37.85N-26.70E, h19km, ML3.0,
Error ellipse: s-maj=3.4km s-min=2.6km az=53.0

CSEM 30 13:07:53.2, 0.1, 37.83N-26.66E, h8km, ML3.1, Error
ellipse: s-maj=3.1km s-min=2.6km az=53.0

THE 30 13:07:53.3, 37.83N-26.64E, h0km, 1km, ML3.0/5, Error
ellipse: s-maj=1.6km s-min=0.6km az=229.0

ISC 30 13:07:53.2, 0.8, 37.86N-0.01-26.71E, 0.02, h16km, 5km,
n88, e0567/134, Dodecanese Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SMG, UURL, etc.

CHOS comp=N, 3802um, 0.3s
comp=E, 3996um, 0.3s

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like CHOS, KRBN, etc.

MAN 30 13:29:51.1, 11.37N-124.51E, h20km, mb3.8, ML2.5,
MS2.1, 2C, Leyte

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like OCLP, PLP, etc.

WEL 30 13:37:59.5, 38°S, 12x18°W, h33km, ML3.6/13, East of
North Island

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PUZ, PKGZ, etc.

ISCJB 30 13:44:41.4, 0.6, 24.93N, 0.04-122.53E, 0.03, h8km, 4km,
Error ellipse: s-maj=7.2km s-min=3.5km az=20.3

JMA 30 13:44:42.4, 24.61N, 122.44E, h55km, M2.2

TAP 30 13:44:42.5, 24.91N, 122.49E, h5km, 1km, ML3.1, D

ISC 30 13:44:40.8, 1.2, 24.85N, 0.05-122.55E, 0.03, h16km, 10km,
n35, e0555/46, Taiwan region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like EOSI, WTB1, etc.

2012 JUL

Main table with columns: Call sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like AKHS, PRK, etc.

GUC 30 13:27:03.9, 0.5, 23.58S-67.98W, h166km, 6km, ML3.5, 4C,
Chile-Argentina border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PB15, PB06, etc.

MAN 30 13:29:51.1, 11.37N-124.51E, h20km, mb3.8, ML2.5,
MS2.1, 2C, Leyte

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PB03, PB04, etc.

WEL 30 13:37:59.5, 38°S, 12x18°W, h33km, ML3.6/13, East of
North Island

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PUZ, PKGZ, etc.

WEL 30 13:37:59.5, 38°S, 12x18°W, h33km, ML3.6/13, East of
North Island

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like PUZ, PKGZ, etc.

ISCJB 30 13:44:41.4, 0.6, 24.93N, 0.04-122.53E, 0.03, h8km, 4km,
Error ellipse: s-maj=7.2km s-min=3.5km az=20.3

JMA 30 13:44:42.4, 24.61N, 122.44E, h55km, M2.2

TAP 30 13:44:42.5, 24.91N, 122.49E, h5km, 1km, ML3.1, D

ISC 30 13:44:40.8, 1.2, 24.85N, 0.05-122.55E, 0.03, h16km, 10km,
n35, e0555/46, Taiwan region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like EOSI, WTB1, etc.

1550

Table with columns: Call sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like TWB1, JYNO, etc.

NEIC 30 13:47:38.8, 0.8, 15:57S, 167.98E, h108km, 7km, mb4.4/9,
Error ellipse: s-maj=13.0km s-min=9.2km az=109.0

ISCJB 30 13:47:41.6, 2.4, 15:69S, 0.08-167.7E, 0.1, h140km, 20km,
mb2.0/1, Error ellipse: s-maj=19.2km s-min=11.9km
n154, 8

IDC 30 13:47:42.1, 2.5, 15:67S, 167.80E, h131km, 21km,
mb4.0/17, mb1.4.1/18, mb1mx3.9/47, mbtmp4.4/18, MS3.2/4,
Ms1.3.2/4, ms1mx2.7/43, Error ellipse: s-maj=19.8km
s-min=12.6km az=73.0

ISC 30 13:47:42.5, 2.3, 15.75S, 0.1x167.9E, 0.1, h137km, 18km,
n54, e093/55, mb4.3/21, Vanuatu Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like DZM, HNR, etc.

CTA Charters Tower 21.02 255 P P 13 52 16.4 +1.0

URZ Urewera 23.92 162 P P 13 52 45.7 +1.9

RPZ Rata Peaks 28.07 175 P P 13 53 21.7 +0.6

STKA Stephens Creek 28.83 231 P P 13 53 28.3 +0.4

STKA Stephens Creek 28.83 231 P P 13 53 28.3 +0.4

STKA Stephens Creek 28.83 231 P P 13 53 28.3 +0.4

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STKA Stephens Creek 28.83 231 P P 13 53 28.3 +0.4

STKA Stephens Creek 28.83 231 P P 13 53 28.3 +0.4

Table with columns: ULN, Ulaanbaatar, 83.24 324 eP, P, 13 59 54.0 +0.3, etc. Includes stations like SONGINO Array, SONMI, SONGINO Array, etc.

CSEM 30 13:55:50.6, 0.2, 37.83N, 26.70E, h2km, ML2.3, Error ellipse: s-maj=5.0km s-min=3.7km az=71.0

THE 30 13:55:50.8, 37.87N, 26.71E, h8km, 2km, ML2.3/3, Error ellipse: s-maj=3.5km s-min=0.4km az=54.0

ISK 30 13:55:50.4, 37.87N, 26.74E, h8km, ML2.4/8 DDA 30 13:55:51.0, 37.90N, 26.75E, h10km, M2.6

ISC 30 13:55:50.6, 0.9, 37.86N, 0.02, 26.71E, 0.02, h14km, 6km, n47, c057/69, Dodecanese Islands

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

GUC 30 13:57:22.8, 0.6, 21.51S, 68.54W, h136km, 5km, ML3.6, 7C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like PB09 IPOC Station P, PB01 IPOC Station P, etc.

ISK 30 14:13:15.7, 37.15N, 37.13E, h5km, ML2.1/5 ISCBJ 30 14:13:16.9, 0.6, 37.14N, 0.03, 37.15E, 0.04, h3km, 5km

ellipse: s-maj=6.8km s-min=5.2km az=43.0 DDA 30 14:13:17.1, 37.14N, 37.18E, h7km, ML2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like GAZ Gaziantep, KUZU Kuzini, etc.

NIED 30 14:21:00.37, 90N, 141.70E, h2km, Mw3.6 Best double couple: Mo=2.95000e+10, NP2=0.00000e+00, etc.

JMA 30 14:21:04.6, 37.89N, 141.71E, h57km, 1km, M3.8

ISC 30 14:21:04.6, 2.1, 37.92N, 141.84E, h63km, 19km, mb3.2/8, mb1 3.5/12, mb1mx3/7.0, mbtmp3.6/12, Error ellipse:

ISC 30 14:21:04.0, 1.5, 37.88N, 0.05, 141.98E, 0.1, h54km, 12km, n31, c1826/37, mb3.6/8, Near east coast of eastern Honshu

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

ISC 30 14:42:02.9, 1.6, 29.53N, 100.89E, h0km, mb3.3/3, mb1 3.6/3, mb1mx3.1/69, mbtmp3.3/3, MS2.9/1, Ms1 2.9/1, mb1mx2.3/40, Error ellipse: s-maj=471.8km

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

ISC 30 15:20:14.0, 0.5, 38.15N, 0.04, 38.25E, 0.05, h0km, Error ellipse: s-maj=6.2km s-min=4.3km az=136.7

ISC 30 15:20:14.0, 38.15N, 38.18E, h7km, ML2.8 CSEM 30 15:20:14.0, 2.0, 38.15N, 38.26E, h1km, ML2.8, Error ellipse: s-maj=4.8km s-min=4.1km az=54.0, Suspected Mining explosion.

ISK 30 15:20:14.1, 38.14N, 38.24E, h6km, ML1.8/6 ISCBJ 30 15:20:13.2, 1.0, 38.17N, 0.03, 38.24E, 0.03, h0km, n29, c0828/33, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like AKCD Akcadag, ELZG Elazig, etc.

Table with columns: HEKM Malatya Hekimh, HEKM Malatya Hekimh, URFA Urfa, etc. Includes stations like HEKM Malatya Hekimh, URFA Urfa, etc.

IDC 30 15:33:25.8, 40.0, 46.63N, 45.91E, h0km, Error ellipse: s-maj=174.0km s-min=136.1km az=169.0

Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASOUND, etc.

IDC 30 15:43:27.0, 0.5, 17.56N, 120.85E, h0km, mb4.1/28, mb1 4.2/29, mb1mx4.1/66, mbtmp4.1/29, ML3.7/1, MS3.5/28, Ms1 3.5/28, ms1mx3.6/44, Error ellipse: s-maj=17.7km s-min=11.5km az=77.0

MAN 30 15:43:26.1, 18.01N, 120.44E, h1km, mb5.5, ML4.4, MS4.7 ISCBJ 30 15:43:29.3, 0.8, 17.85N, 0.03, 120.61E, 0.03, h11km, 5km, mb4.3/60, MS3.5/33, Error ellipse: s-maj=4.4km s-min=4.2km az=31.9

BOLP 30 15:43:33.4, 18.25N, 120.47E, h8km, mb4.4/30, mb4.6/19, Ms4.2/18, Ms7.3/17

MOS 30 15:43:34.9, 0.9, 17.63N, 120.80E, h75km, mb4.7/17, Error ellipse: s-maj=12.1km s-min=6.4km az=104.7

NEIC 30 15:43:36.0, 1.2, 17.62N, 120.78E, h68km, 12km, mb4.4/20, Error ellipse: s-maj=7.9km s-min=6.3km az=96.0

NEIC Felt (III PIVS) at Badoc, Currimao and Pinili; (II PIVS) at Laoag, Paoay, San Nicolas, Sinait and Vigan.

ISC 30 15:43:29.2, 1.2, 17.86N, 0.04, 120.61E, 0.04, h6km, 7km, n148, c1974/105, mb4.4/60, MS3.5/33, 10C-40, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like ABRA Dolores, APYP Conner, etc.

0.9nm,0.6s,baz=78,slow=2,SNR=4.8
MMAI Mount Meron Arr 147.626 294 PKPbc PKPbc 16 59 55.4 -0.3

MOS 30 16:46:46.9.1.2.3.55:23N:164.151E,h61km,mb4.2/1,Error ellipse: s-maj=7.6km s-min=7.4km n=170.9
KRSC 30 16:46:46.9.1.1.55:23N:164.51E,h61km,28km,ML4.0,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Semkarok, Zelenaya, etc.

IDC 30 16:54:05.4.1.3.6:71S:130.02E,h0km,mb3.7/3, mb1 4.1/7,mb1mx3.7/51,mbtmp4.0/7,ML4.2/4,Error ellipse: s-maj=43.2km s-min=21.4km az=75.0
ISCJB 30 16:54:19.8.1.1.7.49S:0.08:129.54E:0.08,h146km,mb3.5/3,Error ellipse: s-maj=12.0km s-min=10.4km az=150.8

ISC 30 16:54:22.0.1.1.3.756S:0.10:129.5E:0.1,h146km,n7,c=253/11,mb3.5/3,Banda Op

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Baunata, BATI, FITZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ASAR, STKA, MKAR, etc.

ISCJB 30 16:56:41.6.1.4.24:71N:0.2:95.2E:0.1,h10km,mb3.2/5, Error ellipse: s-maj=59.5km s-min=18.0km az=154.7
IDC 30 16:56:42.5.1.5.24:89N:95.34E,h0km,mb3.3/5, s-maj=77.4km s-min=16.6km az=65.0
ISC 30 16:56:43.8.1.9.24:9N:0.3:95.3E:0.5,h10km,n7,c=102/5,mb3.4/5,Myanmar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SHL, CMAR, MKAR, etc.

MAN 30 16:56:47.8.5.26N:126.50E,h1km,mb5.0,ML4.0,MS4.0,1C-1D,Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DDMP, MATI, GSPH, etc.

IDC 30 17:00:03.4.1.4.16:76N:100.27W,h0km,mb3.7/3, mb1 3.9/6,mb1mx3.7/51,mbtmp3.5/6,ML3.3/3,MS3.2/8, Ms1 3.2/8,ms1mx2.9/45,Error ellipse: s-maj=30.8km s-min=19.2km az=22.0

ISCJB 30 17:00:05.3.0.5.16:89N:0.04:100.26W:0.02,h20km,mb3.5/3,MS3.0/4,Error ellipse: s-maj=5.2km s-min=3.1km az=16.7

MEX 30 17:00:08.0.0.7.16:86N:100.26W,h13km,2km,MD4.7
ISC 30 17:00:06.5.0.8.16:85N:100.26W:0.03,h20km,n34,c=253/51,mb3.6/3,MS3.0/4,Near east of Guernsey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CAIG, ACAP, ACX, etc.

CMIG 1.7nm,0.3s,baz=269,slow=14,SNR=11
CMIG 1.1nm,0.3s,baz=69,slow=7.7,SNR=8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMJ, TGJ, PCIG, etc.

ILAR Eielson Array 57.17 338 P 17 09 52.5 +0.7
BORG Borgarnes 70.18 27 LR 17 43 01.5

NOA comp=2.2nm,18.2s,baz=243,slow=37
WRA Warramunga Arr 128.28 58 PKP PKPdf 17 19 11.9 -0.5

ASAR Alice Springs 128.99 259 PKP PKPdf 17 19 13.7 0.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSC, Bering, BKI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ZLN, BZGR, BDR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KLY, KRKR, KIRR, etc.

IDC 30 17:11:20.8.1.4.15:26N:93.82E,h0km,mb3.6/6, mb1 3.7/6,mb1mx3.7/2,mbtmp3.6/6,Error ellipse: s-maj=54.0km s-min=17.6km az=62.0

ISC 30 17:11:21.6.4.3.15:1N:0.9:94E:1,h10km,n7,c=05/06,mb3.5/6,Bay of Bengal

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMAR, MKAR, KURBB, etc.

NIED 30 17:17:00.38:00N:141.70E,h53km,Mw4.2. Best double couple: M=2.4300E+015 NPI=3.2700E+000, s25.00000, 1-139.00000. NP2=1.43200E+000,s74.00000, 1-70.00000

BUI 30 17:17:36.5.38:00N:142.00E,h30km,mb4.5/8,mb4.6/4, Ms4.1/2,Ms7.3/71

MOS 30 17:17:39.4.1.0.37:96N:142.03E,h44km,mb4.5/15,Error ellipse: s-maj=10.0km s-min=7.1km az=86.6

ISCJB 30 17:17:40.3.0.6.38:00N:0.03:141.89E:0.05,h45km,5km,mb4.1/33,MS3.2/10,Error ellipse: s-maj=7.2km s-min=4.0km az=23.5

IDC 30 17:17:42.2.0.7.38:05N:141.74E,h44km,5km,mb3.8/17, mb1 4.0/23,mb1mx3.7/76,mbtmp4.0/23,ML3.7/5,MS3.1/15, Ms1 3.1/15,ms1mx3.7/76,mbtmp4.0/23,Error ellipse: s-maj=15.0km s-min=12.8km az=112.0

JMA 30 17:17:42.7.0.1.38:04N:141.68E,h49km,1km,ML4.1 JMA Fell II J1

NEIC 30 17:17:42.6.0.9.38:03N:141.80E,h49km,8km,mb4.8/3, Error ellipse: s-maj=11.8km s-min=7.0km az=123.0

NEIC Recorded [2 JMA] in Miyagi.
ISC 30 17:17:39.9.0.6.37:99N:0.04:141.92E:0.05,h26km,3km,h26km:pp-P,n95,c=1928/10,ML4.2/33,MS3.0/10,5C-2D,

Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JIO, JMM, JJK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YUK, SHO, etc.

30d 18h

Table with columns: Station Name, Time, Res, Phase ID, and various station codes. Includes stations like Kuril'sk, Yuzh-Sakhalins, USRK, JNU, KSR5, etc.

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Table with columns: Station Name, Time, Res, Phase ID, and various station codes. Includes stations like AKASG, NVAR, PDAR, MUD, MLR, etc.

1554

Table with columns: Station Name, Time, Res, Phase ID, and various station codes. Includes stations like STKA, WRA, ASAR, FITZ, CMAR, etc.

Error ellipse: s-maj=19.3km s-min=9.1km az=96.0
 ISC 30 18:49:43.0, 0.7, 35.715N, 0.04, 74.23W, 0.08, h35km, n42,
 e153.56, mb4.4/10, MS2.9/4, 1D, Off coast of central
 Chile

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
CCSP	San Pedro de C	1.45	142	Op	18 50 04.5	-2.6
CCSP				eS	18 50 04.5	-4.0
CCSP				IAML	18 50 22.3	
comp=N,5um,0.6s						
CCHI	Chilian	1.96	118	eP	18 50 13.4	-0.7
CCHI				eS	18 50 36.5	-1.0
CCHI				IAML	18 50 42.8	
comp=N,3um,0.5s						
GO05	Hualae0	2.01	70	iP	18 50 13.4	-1.4
GO05				eS	18 50 37.3	-1.4
GO05				IAML	18 50 37.9	
comp=E,3um,0.3s						
TMU	Temuco	3.29	157	eP	18 50 31.1	-1.3
TMU				eS	18 51 08.0	-2.3
TMU				IAML	18 51 13.1	
comp=N,90n4m,0.6s						
CANA	Cavihuue	3.35	131	eP	18 50 34.1	+0.7
CANA				eS	18 51 16.1	+4.2
CANA				IAML	18 51 31.6	
LMEL	Las Melosas	3.80	62	eP	18 50 39.1	-0.5
LMEL				eS	18 51 23.5	+0.5
ROCH	EI Roble	3.81	45	eP	18 50 38.2	-1.7
ROCH				eS	18 51 22.4	-1.2
CLCH	Cerro Calan	3.82	54	eP	18 50 38.9	-1.0
CLCH				eS	18 51 22.1	-1.5
PEL	Peidehue	3.89	50	eP	18 50 39.8	-1.0
PEL				eS	18 51 04.1	+1.0
FCH	Farellones	4.03	55	eP	18 50 41.7	-1.2
FCH				eS	18 51 27.8	-1.2
AAGR	Agrelo	5.18	61	eP	18 51 00.1	+1.6
ARCO	CERRO ARCO	5.24	58	eP	18 51 00.5	+1.1
AUSP	Uspallata	5.32	51	eP	18 51 01.0	+1.0
ASAL	Salagasta	5.45	57	eP	18 51 04.0	+1.8
RTLS	Leonicito	5.67	48	eP	18 51 06.3	+0.9
RTLS				IAML	18 51 16.3	
comp=Z,49nm,0.3s						
PLCA	Paso Flores	5.79	151	Pn	18 51 06.5	-0.3
PLCA				Sn	18 52 16.6	+4.5
comp=Z,1.3nm,0.3s,baz=38,slow=14,SNR=3.2						
PLCA				LR	18 53 32.2	
comp=Z,192nm,21.3s,baz=20,slow=11						
RTCV	Cerro Valdivia	6.10	53	eP	18 51 11.6	+0.5
AMOG	MOGNA	6.76	47	eP	18 51 19.9	-0.3
ACAN	Cantantla	6.78	62	eP	18 51 20.6	+0.2
ACDV	Cuesta del Vie	7.00	39	eP	18 51 24.2	+0.7
AGUA	GUANACOL	7.87	40	eP	18 51 33.0	+0.4
CPUP	Villa Florida	17.22	62	Pn	18 53 41.8	+0.6
CPUP				LR	19 01 36.4	
comp=Z,121nm,19.6s,baz=226,slow=42						
LPAZ	La Paz	20.09	17	P	18 54 15.9	+1.2
SIV	San Ignacio	22.89	34	P	18 54 44.5	+0.4
SIV				LR	19 05 13.7	
comp=Z,2.1nm,0.6s,baz=220,slow=15,SNR=12						
SIV				LR	19 05 13.7	
comp=Z,36nm,18.8s,baz=110,slow=41						
NNA	Nana	23.74	354	LR	19 01 19.6	
ATAH	Atahualpa	28.70	351	LR	19 04 00.5	
ATAH				LR	19 04 00.5	
comp=Z,43nm,21.9s,baz=189,slow=30						
SNAAS	Sanas	50.70	157	P	18 58 39.3	+0.2
comp=Z,3.9nm,0.8s,baz=272,slow=7.4,SNR=14						
QSPA	South Pole Qui	54.53	180	P	18 59 08.0	+0.4
QSPA				LR	19 05 08.1	+0.5
comp=Z,11nm,1.1s						
TXAR	Lajitas Array	70.39	333	P	19 00 54.4	+0.5
TXAR				LR	19 27 29.2	
comp=Z,24nm,18.1s,baz=0.0,slow=3						
MAW	Mawson	72.05	164	P	19 01 03.2	-0.7
MAW				LR	19 01 35.9	+0.5
DBIC	Dimbokro	77.43	72	P	19 01 35.9	+0.5
DBIC				LR	19 01 54.2	+0.1
comp=Z,2.2nm,0.4s,baz=176,slow=12,SNR=5.3						
KOWA	Kowa	82.98	67	P	19 02 04.9	-0.3
comp=Z,4.2nm,0.9s,baz=18,slow=1.6,SNR=4.4						
NVAR	Minna Array Bea	84.29	327	P	19 02 12.9	+1.3
NVAR				LR	19 02 21.6	-1.3
comp=Z,1.7nm,1.0s,baz=0.0,slow=3						
TORD	Torodi Arr, Bea	86.48	71	P	19 02 25.9	-1.8
WARR	Warramunga Arr	118.38	211	PKP	19 09 25.9	+0.9
BVAR	Borovoye Array	149.76	44	PKPbc	19 09 29.9	+0.9
KURBB	Kurchatov Arra	155.35	44	PKP	19 09 32.6	+0.1
KURBB				PKPbc	19 09 41.3	-2.7
KURBB				PKPbc	19 09 58.6	+1.7
KURK	Kurchatov	155.36	44	PKP	19 09 32.6	+0.1
KURK				PKPbc	19 09 41.3	-2.7
KURK				PKPbc	19 09 58.6	+1.7
ZALV	Zalesovo Beam	156.63	32	PKP	19 09 34.0	-1.7
ZALV				PKPbc	19 09 43.9	-1.7
ZALV				PKPbc	19 10 04.2	+0.8
comp=Z,2.0nm,0.6s,baz=309,slow=5.2,SNR=3.2						
MKAR	Makanchi Array	159.24	51	PKP	19 09 37.4	-0.2
MKAR				PKPbc	19 10 15.3	+0.3

ISCJCB 30 19:03:49.7, 0.5, 38.03N, 0.04, 35.49E, 0.03, h9km, 5km,
 Error ellipse: s-maj=6.3km s-min=4.1km az=161.1
 DDA 30 19:03:49.5, 38.02N, 0.35, 50E, h7km, ML2.7
 CSEM 30 19:03:49.7, 0.2, 38.04N, 0.35, 49E, h5km, ML2.7, Error
 ellipse: s-maj=5.2km s-min=3.1km az=162.0
 ISC 30 19:03:49.5, 38.00N, 0.35, 47E, h5km, ML2.0/9
 ISC 30 19:03:49.0, 1.0, 38.03N, 0.04, 35.39E, 0.03, h20km, 4km,
 n28, e870/42, Turkey

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
YAHY	KAYSERI_Yahyal	0.07	341	iP	19 03 53.0	+0.2
YAHY				iS	19 03 55.1	-0.3
YAHY				Sg	19 03 53.0	+0.2
YAHY				Sg	19 03 55.1	+0.2
SAIM	ADANA	0.55	96	iP	19 04 06.1	-1.4
SAIM				iS	19 03 59.5	-0.5
SAIM				Sb	19 04 06.1	-1.4
NIG	Nigde	0.62	277	PG	19 04 03.2	+0.2
NIG				eS	19 04 12.9	+0.4
NIG				eSg	19 04 12.9	+0.4
KARA	Karaisali	0.82	199	PG	19 04 05.5	+0.1
KARA				SG	19 04 17.3	+0.4
KARA				eP	19 04 05.5	+0.1
KARA				eSg	19 04 17.3	+0.4
ANDN	Andirin	0.88	121	iP	19 04 05.6	-0.1
ANDN				iS	19 04 17.0	-0.1
ANDN				Sb	19 04 05.6	-0.1
ANDN				Sb	19 04 17.0	-0.1
SARI	Sardiz-Kayseri	0.89	65	PG	19 04 06.3	+0.4
GULE	Gulek	0.89	213	iS	19 04 06.8	+0.2
GULE				iS	19 04 20.8	+1.7
GULE				Sn	19 04 06.8	+0.2
GULE				Sn	19 04 20.8	+1.7
KMRS	Kahramanmaraş	1.31	113	PN	19 04 13.6	+0.7
KMRS				ePn	19 04 13.6	+0.7
ELBS	KAHRAMANMARAS1	0.78	7	P	19 04 13.0	0.0
ELBS				P	19 04 13.0	0.0
CUALT	Altinyayla-SIV	1.64	40	iP	19 04 19.1	+0.5
CUALT				iS	19 04 37.6	+0.2
CUALT				Pb	19 04 19.1	+0.5
CUALT				S	19 04 37.6	+0.2
KIZIL	Mersin	1.84	213	PN	19 04 22.8	+0.8
IKL	Isikli	2.25	218	PN	19 04 28.7	-0.3
IKL				ePn	19 04 28.7	-0.3
AKKU	Akkuyu-Mersin	2.38	219	PN	19 04 30.5	-0.7

AKKU Akkuyu-Mersin 2.38 219 ePn Pb 19 04 30.5 -0.7
 BERE Bereket-Mersin 2.41 226 PN Pb 19 04 31.2 -0.7
 BERE Bereket-Mersin 2.41 226 ePn Pb 19 04 31.2 -0.7
 TEKE Tekeli-Mersin 2.62 225 PN Pb 19 04 34.1 -1.2
 TEKE Tekeli-Mersin 2.62 225 ePn Pb 19 04 34.1 -1.2

ISCJCB 30 19:04:59.3, 0.9, 41.01N, 0.09, 112.9W, 0.1, h0km, Error
 ellipse: s-maj=14.9km s-min=10.8km az=142.7
 NEIC 30 19:04:59.0, 0.8, 40.96N, 1.12, 80W, h0km, ML1.8, Error
 ellipse: s-maj=15.5km s-min=8.6km az=144.0, Suspected
 Mining explosion.
 NEIC 67 km [41 miles] NW of Tooele.
 IDC 30 19:05:02.6, 1.0, 40.121N, 112.78W, h0km, mb1 2.6/1,
 mb1mx2.5/69, mbtmp2.2/1, ML2.9/1, Error ellipse:
 s-maj=57.4km s-min=7.0km az=147.0
 ISC 30 19:04:58.6, 1.1, 40.96N, 0.07, 112.92W, 0.06, h0km, n8,
 e1770, Utah

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
DUG	Dugway, Tooele	0.77	174	Op	19 05 18.1	+1.1
HWUT	Hardware Ranch	1.21	57	ePn	19 05 21.4	-0.6
HLID	Halley	2.83	337	ePn	19 05 46.3	+0.9
BW06	Boulder Array	3.09	53	ePn	19 05 50.0	+0.9
PDAR	Pinedale Array	3.09	53	Pn	19 05 50.2	+1.1
PDAR				LR	19 05 54.9	0.0
PDAR				Lg	19 06 35.5	
PDAR				Lg	19 06 35.5	
BMN	Battle Mountain	3.31	262	ePn	19 05 53.6	+1.5
NVAR	Minna Array Bea	4.86	240	Pg	19 06 32.4	+0.5
NVAR				Sn	19 07 20.6	-3.4
NVAR				Lg	19 07 42.0	
IS65U	NEWPORT INFRA3	7.90	339	P	19 48 40.0	
IS65U				LR	19 48 40.0	

NEIC 30 19:35:06.0, 0.0, 35.50N, 96.82W, h5km, ML3.4(TUL),
 After TUL.
 NEIC FEL [III] at Meeker and [III] at Shawnee. Also felt at
 Earlsboro, Lawton, Muskogee, Norman, Oklahoma City,
 Frague, Sparks, Stillwater and Tulsa. Felt at Springdale,
 Arkansas; Joplin, Missouri; Derby and South Haven,
 Kansas.

ISC 30 19:35:06.7, 1.4, 35.53N, 0.05, 96.81W, 0.04, h11km, 10km,
 n53, e177.63, Oklahoma

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
TUL1	Leonard	0.91	65	P	19 35 23.6	-0.6
TUL1				S	19 35 36.6	+0.5
TUL1				Pg	19 35 23.6	-0.6
WMOK	Wichita Mounta	1.80	244	P	19 35 37.8	+0.1
WMOK				S	19 36 01.3	-0.9
WMOK				Sb	19 35 37.7	0.0
X39A	Fountain Ranch	2.44	114	P	19 35 47.1	+0.7
X39A				S	19 36 17.0	+0.7
HHAR	Hobbs	2.45	71	ePn	19 35 47.7	+1.0
W39A	Megazine	2.50	97	P	19 35 47.8	+0.6
W39A				S	19 36 19.0	+1.3
W39A				ePn	19 35 47.7	+0.4
T38A	Diamond	2.53	53	P	19 35 49.1	+1.4
V39A	Pettigrew	2.59	82	P	19 35 49.1	+0.4
V39A				S	19 36 21.6	+1.3
MIAR	Mount Ida	2.83	109	P	19 35 52.8	+0.9
MIAR				S	19 36 26.9	+0.9

30d 20h

Table with columns: YKA, INK, SEY, INEV, ILAR, Station Name, Az, AZ', Phase ID, Time Res, h m s ISC

IDC 30 19:40:46.1±1.0, 70.94N;6.49W, h0km, mb3.2/3, mb1 3.5/7, mb1 mx3.2/79, mbtmp3.5/7, ML2.7/3, MS2.9/6, Ms1 2.9/6, ms1mx2.5/38, Error ellipse: s-maj=28.8km s-min=14.4km az=9.0

CSEM 30 19:40:47.9±0.2, 71.11N;6.25W, h10km, ML3.8, Error ellipse: s-maj=7.5km s-min=3.2km az=136.0

NAO 30 19:40:48.0±3.3, 71.08N;6.25W, h14km, 37km, ML3.0, BER 30 19:40:48.2±3.3, 71.02N;6.21W, h3km, 37km, ML3.0, ML3.8(VAO)

REY 30 19:40:52.8, 70.78N;7.17W, h10km, ISC 30 19:40:48.6±1.0, 71.11N;0.1629W, 0.08, h15km, 13km, n40, n0574/46, mb3.0/3, MS3.1/3, 3C, Jan Mayen Island region

Main station list for 30d 20h, including stations like Jan Mayen East, Jan Mayen West, Jan Mayen, etc.

BEO 30 19:45:37.1±0.3, 44.20N;17.87E, h5km, 2km, ML2.8/11 CSEM 30 19:45:37.0±1.4, 44.20N;17.97E, h2km, ML2.8, Error ellipse: s-maj=3.5km s-min=2.0km az=52.0

PDG 30 19:45:37.8±0.5, 44.10N;17.98E, h10km, 1km, ML3.0/11, Error ellipse: s-maj=1.9km s-min=2.9km az=0.0

PRU 30 19:45:39.4, 44.14N;17.85E, h21km, ISC 30 19:45:37.3±1.1, 44.21N;0.011800E, 0.02, h5km, 9km, n135, n1540/235, 33C-16D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AZ', Phase ID, Time Res, h m s ISC, including stations like Doboj, Han Pijesak, etc.

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Main station list for 2012 JUL, including stations like Lazici, Mirakovica, etc.

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Table with columns: OBKA, ZAPS, ARSA, etc., Station Name, Az, AZ', Phase ID, Time Res, h m s ISC

IDC 30 19:55:05.7±9.4, 22.65S;172.99E, h67km, 68km, mb3.4/3, mb1 3.7/4, mb1mx3.2/46, mbtmp3.7/4, ML3.6/1.1, MS3.3/5, Ms1 3.4/5, ms1mx3.0/23, Error ellipse: s-maj=111.6km s-min=42.3km az=155.0, Southeast of Loyal Islands

Table with columns: Code, Station Name, Az, AZ', Phase ID, Time Res, h m s ISC, including stations like DZM, HNR, etc.

IDC 30 19:55:27.9±1.2, 28.40N;105.03E, h0km, mb3.4/5, mb1 3.5/6, mb1mx3.2/79, mbtmp3.3/6, ML3.6/1.1, MS3.3/5, Ms1 2.8/2, ms1mx2.4/47, Error ellipse: s-maj=41.4km s-min=20.8km az=61.0

ISCJB 30 19:55:28.5±1.0, 28.4N;0.1x105.1E;0.2, h19km, mb3.3/5, MS2.8/1, Error ellipse: s-maj=28.8km s-min=16.5km

ISC 30 19:55:30.7±1.4, 28.4N;0.2x105.1E;0.2, h19km, n7, n034/6, mb3.4/5, Sichuan

Table with columns: Code, Station Name, Az, AZ', Phase ID, Time Res, h m s ISC, including stations like CMAR, SONM, etc.

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

PRE 30.20:28.23.2.1, 7.29,72S,25.97E, h5km, ML3.7, South Africa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BOSA Boshof, SWZ Schweizer, PKA Prieska, etc.

DDA 30.20:30.38.7, 38.773N, 43.67E, h7km, ML2.6

ISK 30.20:30.38.6, 38.773N, 43.56E, h7km, ML2.1/5
CSEM 30.20:39.0.0.2, 38.75N, 43.62E, h10km, ML2.1, Error ellipse: s-maj=6.2km s-min=3.6km az=112.0

ISC 30.20:39.3.1, 38.76N, 0.02, 43.63E, h19km, n30, r19/53, Turkey

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TVAN Van, WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

IDC 30.20:36.29.9.4, 2.430S, 137.86E, h188km, 44km, mb3.4/3, mb1.3.5/6, mb1mx3.1/45, mbtmp4.0/6, Error ellipse: s-maj=65.8km s-min=23.7km az=109.0, Irian Jaya

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

MEX 30.20:46.25.3.0.6, 16.06N, 97.53W, h16km, 1.1km, MD3.5, Oaxaca

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

MAN 30.20:47.34.7, 6.48N, 125.49E, h0km, mb4.3, ML3.1, MS2.9, 1C, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DDMP Don Marcelino, GSPH General Santos, SKMP Bagumbayan, Su, etc.

ISK 30.20:49.14.6, 38.76N, 38.20E, h6km, ML2.2/7

CSEM 30.20:49.15.0.0.2, 38.76N, 38.19E, h2km, ML2.7, Error ellipse: s-maj=4.5km s-min=3.7km az=170.0
DDA 30.20:49.15.3, 38.79N, 38.22E, h7km, ML2.7

ISC 30.20:49.15.2.1.0, 38.76N, 0.02, 38.20E, h8km, 9km, n30, r0575/51, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HEKM Malatya_Hekimh, AKCD Akcadag, KEMA Kemalije, etc.

ISC 30.21:02.41.3.0.9, 22.72S, 173.18E, h0km, mb4.1/3, mb1.4.5/14, mb1mx4.2/49, mbtmp4.4/14, ML3.9/1, MS3.5/15, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Stephens Creek, URZ Urewera, etc.

Ms 1.3.5/15, ms1mx3.3/44, Error ellipse: s-maj=22.8km s-min=22.3km az=44.0

NEIC 30.21:02.42.8.0.6, 22.73S, 173.18E, h10km, mb4.4/2, Error ellipse: s-maj=15.1km s-min=13.4km az=200.0

ISCJB 30.21:02.45.5.0.7, 22.8S, 0.1, 173.02E, 0.09, h35km, mb4.3/14, MS3.6/12, Error ellipse: s-maj=19.1km s-min=10.2km az=17.3

ISC 30.21:02.47.1.0.7, 22.8S, 0.1, 173.08E, 0.10, h35km, n34, r0912/25, mb4.3/14, MS3.6/12, 1C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Stephens Creek, URZ Urewera, AFI Afiamalu, etc.

GII 30.21:03.27.6.0.0, 33.31N, 35.36E, h10km, MD1.0/2

CSEM 30.21:03.29.2.3, 33.34N, 35.49E, h25km, ML2.5
GRAL 30.21:03.29.2.0.3, 33.34N, 35.49E, h26km, 7km, MD2.5

ISC 30.21:03.26.6.1.0, 33.34N, 0.03, 35.40E, h26km, 7km, n17, r0578/32, Jordan-Syria region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KSDI Kefar Szold, SHBL Chebaa, SHBL Neve Ativ, etc.

ISCJB 30.21:01.41.9.0.4, 37.84N, 0.02, 26.66E, h2km, 3km, Error ellipse: s-maj=3.6km s-min=2.6km az=155.4

DDA 30.21:01.41.6, 37.85N, 26.65E, h14km, ML3.2
ISK 30.21:01.42.1, 37.87N, 26.73E, h7km, ML3.0/26

CSEM 30.21:01.42.3.0.1, 37.83N, 26.67E, h2km, ML2.7, Error ellipse: s-maj=3.0km s-min=1.1km az=59.0

ATH 30.21:01.42.2, 37.79N, 26.66E, h22km, 2km, ML2.7/6, Error ellipse: s-maj=2.7km s-min=1.2km az=124.0

THE 30.21:01.43.0, 37.80N, 26.62E, h2km, 2km, ML2.8/5, Error ellipse: s-maj=2.9km s-min=0.8km az=151.0

ISC 30.21:09.42.7.0.8, 37.83N, 0.01, 26.66E, h14km, 6km, n104, r0577/145, Dodecanese Islands

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND, LEMBANG, NAWAO, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC 30 21:58, IDC 30 22:26, etc.

30d 22h

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, 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).

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Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, 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).

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Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, SNRr, SNRf, 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).

MAK	comp=Z,236nm,1.1s	MLR	MLR						
KMI	comp=Z,484nm,11.0s	P	P	22 36 39.5	+4.5				
KMI	Kunming	28.12 149	pP	22 38 45.5	+4.0				
KMI			PnPn	22 37 29.5	+6.8				
KMI	comp=Z,10.0nm,0.9s	LR	LR						
KMI	comp=Z,1µm,12.1s	LR	LR						
KMI	comp=Z,1µm,9.7s	LR	LR						
KMI	comp=Z,1µm,12.6s	LR	LR						
KLMR	Klimovskoe	28.15 310	eS	22 36 33.4	-1.3				
KLMR			eP	22 41 18.1	+1.1				
KLMR	comp=Z,109nm,1.4s	MLR	MLR						
KLMR	comp=Z,3µm,13.0s	MLR	MLR						
KLMR	Klimovskoe	28.15 310	eP	22 36 33.5	-1.3				
KLMR			eAMP	22 36 45.9					
KLMR	comp=Z,109nm,1.4s	eS	S	22 41 18.2	-1.0				
KLMR		LQ	LQ	22 45 12.6					
KLMR		LQ	LQ	22 45 12.6					
KLMR		LR	LR	22 47 08.1					
KLMR		AMP	AMP	22 48 54.7					
KLR	comp=Z,3µm,12.9s	28.30 75	P	22 36 36.0	-0.3				
KLR	comp=Z,0.3nm,1.0s,baz=10,slow=16,SNR=7.2	Kul'dur	Lg	22 45 37.5					
KLR	comp=Z,0.1nm,0.8s,baz=61,slow=17,SNR=4.4	Kul'dur	Lg	22 36 35.4	-0.8				
KLR			P	22 36 35.5	-1.2				
KLR			PnPn	22 37 31.0	+5.7				
KLR			PcP	22 39 51.3	+1.9				
KLR			S	22 41 24.5	+1.8				
KLR			Ss	22 42 48.5	+8.5				
KLR			SsSn						
KLR	comp=Z,40nm,0.8s		pmx						
GVA	comp=Z,130nm,5.0s		pmx						
GVA	comp=Z,4µm,13.7s	LR	LR						
GVA	comp=Z,8µm,12.8s	LR	LR						
GVA	comp=Z,3µm,13.7s	LR	LR						
VRH	Novokhoporskiy	28.41 289	eP	22 36 37.2	+0.1				
VRH			eS	22 41 26.4	+3.0				
VRH	comp=Z,50nm,0.8s		smx						
VRH	comp=N,90nm,1.2s		MLR						
WHN	comp=Z,950nm,13.0s	28.45 125	P	22 36 44.3	+6.7				
WHN			S	22 41 33.8	+1.0				
WHN	comp=N,5µm,13.5s		LR						
WHN	comp=E,7µm,10.5s		LR						
WHN	comp=Z,5µm,12.4s		LR						
AKT	Akhty	28.67 267	eP	22 36 39.7	0.0				
AKT			eP	22 37 30.8					
AKT	comp=Z,24nm,0.7s		pmx						
MDJ	Mudanjiang	28.80 85	P	22 36 37.0	-3.7				
MDJ			S	22 41 31.0	+1.3				
MDJ			ScS	22 47 21.0	-3.2				
MDJ	comp=Z,10.0nm,1.6s		pmx						
MDJ	comp=Z,76nm,3.0s		pmx						
MDJ	comp=Z,3µm,10.0s		LR						
MDJ	comp=Z,3µm,9.2s		LR						
MDJ	comp=Z,3µm,10.4s		LR						
GROC	Groznyy	29.02 271	eP	22 36 42.3	-0.3				
GROC			e	22 37 34.1					
GROC			eS	22 39 50.0					
GROC			S	22 41 36.9	+3.8				
GROC	comp=Z,23nm,1.1s		pmx						
LPSR	Galich'ya Gora	29.67 293	eP	22 36 48.1	-0.2				
LPSR			eP						
MOS	comp=Z,40nm,0.9s	29.68 299	eP	22 36 48.5	+0.1				
MOS			e	22 36 54.8					
MOS			e	22 37 44.9					
MOS			ePPP	22 37 58.3					
MOS			eS	22 41 47.4	+4.1				
MOS			eSS	22 43 19.4	+7.2				
MOS	comp=Z,41nm,1.0s		MLR						
MOS	comp=Z,900nm,18.0s		MLR						
NJ2	Nanjing	29.76 117	eP	22 36 51.5	+2.2				
NJ2			eP	22 36 55.8	0.0				
NJ2	comp=Z,20nm,0.5s		LR						
NJ2	comp=Z,3µm,15.7s		LR						
NJ2	comp=Z,3µm,14.4s		LR						
NJ2	comp=Z,3µm,14.1s		LR						
VORR	Voronezh	29.77 291	P	22 36 47.0	-2.2				
VORR			eP						
GOF	Goitskoye	29.89 277	iP	22 36 50.4	0.0				
GOF			eP						
GOF	comp=Z,70nm,1.2s		pmx						
VSR	Storozhevoye	29.94 290	eP	22 36 50.7	0.0				
VSR			eS	22 41 48.7	+1.3				
VSR	comp=Z,30nm,0.8s		smx						
VSR	comp=E,80nm,1.8s		MLR						
VSR	comp=Z,1µm,19.0s		MLR						
VORD	Divnogorie	29.94 290	eP	22 36 50.9	+0.2				
VORD			eP						
NCK	Nalchik	30.27 274	iP	22 36 53.7	-0.1				
NCK			eP						
NCK	comp=Z,14nm,1.0s		pmx						
OBN	Obninsk	30.40 298	eP	22 36 54.3	-0.4				
OBN			eP						
OBN	comp=Z,120nm,0.4s		pmx						
OBN	comp=Z,48nm,1.1s		pmx						
OBN	comp=Z,318nm,12.0s		MLR						
ZEI	Tsey	30.43 272	eP	22 36 52.2	-3.2				
ZEI			eP						
ZEI	comp=Z,15nm,0.4s		pmx						
USRK	Ussuriysk Ar.	30.51 85	P	22 36 55.6	-0.3				
USRK			eP						
USRK	comp=Z,8.8nm,0.9s,baz=309,slow=6.9		pmx						
KBZ	Khabaz	30.60 274	P	22 36 57.5	+0.9				
KBZ	comp=Z,3.4nm,0.6s,baz=64,slow=7.3,SNR=5.8		LR	22 50 46.1					
KIV	comp=Z,687nm,19.2s,baz=120,slow=39		LR	22 36 57.1	+0.1				
KIV	Kislovodsk	30.63 275	eP	22 36 57.8	+0.8				
KIV			eP	22 36 57.5	+0.5				
KIV	Kislovodsk	30.63 275	eP	22 37 58.0					
KIV			eS	22 42 06.0	+7.4				
KIV	comp=Z,25nm,1.7s		MLR						
NEY	Neytrino	30.95 274	iP	22 37 01.4	+1.4				
NEY			eP						
NEY	comp=Z,6.0nm,0.8s		pmx						
APA	Apafity	31.14 323	iP	22 37 08.9	+7.8				
APA			iS	22 38 09.6					
APA			S	22 42 18.0	+1.0				
APA			SsSn	22 43 57.0	+1.0				

APA	comp=Z,7.0nm,0.7s		pmx						
APA			MLR						
GNI	comp=Z,4µm,14.0s	31.29 267	P	22 37 04.1	+1.1				
GNI		Garni	eP						
GNI	comp=Z,8.8nm,1.1s,baz=214,slow=7.3,SNR=4.4		P	22 37 03.6	+0.6				
GNI		Garni	eP						
GNI	comp=Z,90nm,0.8s	31.29 267	P	22 37 03.7	+0.6				
GNI		Garni	eP						
GNI		Garni	eP	22 37 03.6	+0.6				
AKH	Akhalkalaki	31.40 270	iP	22 37 05.6	+1.6				
AKH		KS01	eP	22 37 04.9	-0.3				
AKH	Wonju Array B	31.57 99	P	22 37 05.5	+0.1				
AKH		KSAR	eP	22 37 05.5	+0.1				
AKH	Wonju Array B	31.58 99	P	22 37 05.5	0.0				
AKH		KSRS	eP						
AKH	Korea Array	31.60 99	P	22 37 05.5	0.0				
AKH	comp=Z,4.1nm,0.9s,baz=301,slow=6.7,SNR=20		LR	22 50 03.9					
KSRS	comp=Z,348nm,21.2s,baz=284,slow=37		LR						
MSF	Maasella	32.80 320	eP	22 37 16.2	+0.4				
MSF			pmx						
MSF	comp=Z,21nm,1.1s		pmx						
CHTO	Chiang Mai	33.08 160	eP	22 37 21.6	+2.9				
CHTO		Chiang Mai	eP						
CHTO	comp=Z,8.0nm,0.8s		pmx						
CHTO		Chiang Mai	eP	22 37 21.5	+2.9				
CHTO		Chiang Mai	eP						
CHTO	comp=Z,8.0nm,0.9s		pmx						
CHTO		Chiang Mai	eP	22 37 23.3	+4.7				
CHTO	comp=Z,47nm,1.2s		pmx						
CHTO		Chiang Mai	eP	22 37 23.2	+4.6				
CMAR	comp=Z,10nm,1.2s		pmx						
CMAR	Chiang Mai Arr	33.42 160	P	22 37 21.2	-0.4				
CMAR		Chiang Mai	eP						
CMAR	comp=Z,2.6nm,0.6s,baz=340,slow=8.9,SNR=12		LR	22 52 19.2					
CM01	Chiang Mai Arr	33.46 160	eP	22 37 21.1	-0.8				
ANN	Anapa	33.54 280	eP	22 37 20.9	-1.5				
ANN			pmx						
ANN	comp=Z,127nm,1.4s		MLR						
ANN			MLR						
KEV	comp=Z,346nm,12.0s		MLR						
KEV	Kevo	33.63 327	eP	22 37 27.3	+4.4				
KEV		Kevo	eP						
KEV	comp=Z,10nm,0.9s		pmx						
KEV		Kevo	eP	22 37 27.3	+4.4				
HYB	comp=Z,10.0nm,0.9s		pmx						
HYB	ACCESS Array B	33.89 195	iP	22 37 25.0	-0.7				
HYB		Hyderabad	eP	22 37 29.9	+0.4				
AREO	comp=Z,2.4nm,0.6s,baz=78,slow=8.6,SNR=17		LR	22 37 27.2	-0.2				
AREO	ACCESS Array S	34.15 326	eP	22 37 27.6	+0.1				
AREO		AREO	eP						
AREO	comp=Z,0.5nm,1.0s		Iamb	22 37 27.9					
OUL	comp=Z,0.5nm,1.0s		Iamb						
OUL	Oulu	34.16 319	P	22 37 28.0	+0.4				
OUL			pmx						
SHME	comp=Z,38nm,1.1s		MLR						
BANOM	Banah	34.24 236	P	22 37 28.1	-0.6				
BANOM		Banah	eP	22 37 28.5	-0.3				
BANOM	SNR=15		P	22 37 28.2	-0.7				
BANOM	Banah	34.26 236	iP	22 37 28.2	-0.7				
BANOM		Banah	eP						
BANOM	SNR=15		P	22 37 35.4	+0.6				
UTTA	Uttaradi	34.49 157	P	22 37 35.4	+0.6				
UTTA		Uttaradi	eP</						

Table with columns for station name, frequency, mode, and signal strength. Includes stations like OJC, LOT, GSK, PRU, NIE, NBO00, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like GOPC, PLG, PAIG, PAIG, PAIG, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like PSI, DAVA, FUORN, BFO, DAVOX, etc.

ETSF	comp=Z,4.0nm,0.8s								
CCB	Clear Creek Bu	57.36	25	eP	P	22 40 30.4	-0.1		
WRH	Wood River Hill	57.42	25	eP	P	22 40 30.8	-0.2		
PPLA	Purkeypile	57.48	28	eP	P	22 40 32.1	+0.6		
IL1	Eielson Array	57.51	24	eP	P	22 40 29.9	-1.6		
ILAR	Eielson Array	57.51	24	eP	P	22 40 31.1	-0.5		
ILAR	comp=Z,2.70nm,20.9s					23 08 00.0			
ILB	Eielson Array	57.51	24	eP	P	22 40 31.3	-0.3		
INK	Inuvik	57.53	17	eP	P	22 40 32.1	+0.4		
INK	Inuvik	57.53	17	eP	P	22 40 32.1	+0.4		
TRF	Thorofare Moun	57.61	27	eP	P	22 40 32.9	+0.3		
SVW2	Sparrevohn	57.78	31	eP	P	22 40 35.0	+1.5		
SKD	Skwentna	58.38	28	eP	P	22 40 37.8	0.0		
SFJT	Kangerlussuaq	58.45	342	LR	LR	23 09 31.7			
DHY	Denali Highway	58.72	26	eP	P	22 40 39.6	-0.7		
RIDG	Independen't Rid	58.87	24	eP	P	22 40 40.4	-0.8		
SCRK	Sand Creek	58.90	24	eP	P	22 40 41.0	-0.5		
EGAK	Eagle	58.94	22	eP	P	22 40 41.3	-0.2		
GHO	Glory Hole Crs	59.32	27	eP	P	22 40 44.6	+0.3		
PAX	Paxson	59.33	25	eP	P	22 40 43.8	-0.6		
PAX	Paxson	59.33	25	eP	P	22 40 43.8	-0.6		
SML	Sawmill	59.46	27	eP	P	22 40 45.0	-0.3		
SML	Sawmill	59.46	27	eP	P	22 40 45.0	-0.3		
SCM	Sheep Creek M	59.73	27	eP	P	22 40 47.1	-0.1		
SCM	Sheep Creek P	59.73	27	eP	P	22 40 47.1	-0.1		
LEM	Lembang	59.87	157	LR	LR	23 09 07.4			
DAWY	Dawson	59.95	22	eP	P	22 40 48.4	-0.3		
FID	Port Fidalgo	60.85	27	eP	P	22 40 55.1	+0.3		
BMRM	Bremner River	61.20	26	eP	P	22 40 57.8	+0.5		
KDAK	Kodiak Island	61.30	32	eP	P	22 40 57.7	-0.1		
ES19	SONSECA Array	61.31	298	eP	P	22 40 58.5	+0.2		
ESDC	Sonsec Array	61.37	298	eP	P	22 40 58.8	+0.1		
ESDC	comp=Z,2.1nm,0.5s					23 06 50.8			
ESLA	Sonsec Array	61.37	298	eP	P	22 40 59.2	+0.6		
PBRG	Braganca	61.43	302	eP	P	22 41 00.0	+1.0		
PAB	San Pablo	61.67	299	eP	P	22 41 00.9	+0.2		
PAB	San Pablo	61.67	299	eP	P	22 41 00.9	+0.2		
TGL	Tana Glacier	61.87	25	eP	P	22 41 02.6	+0.9		
MVO	Moncorvo	62.03	302	eP	P	22 41 03.8	+0.7		
MVO	Moncorvo	62.03	302	eLR	LR	23 04 20.3			
PGAV	Gavieira, Arco	62.14	303	eLR	LR	23 03 14.1			
PCAB	Cabrill	62.19	303	eP	P	22 41 09.0	+4.9		
PVIS	Viseu	62.81	302	eP	P	22 41 15.2	+6.9		
MTE	Manteigas	62.84	301	eP	P	22 41 09.0	+0.4		
MTE	Manteigas	62.84	301	eLR	LR	23 04 28.8			
PMRV	Marv???	63.44	300	eP	P	22 41 14.0	+1.5		
PMRV	Marv???	63.44	300	eLR	LR	23 04 58.7			
PESTR	Estremoz	63.94	300	eP	P	22 41 18.1	+2.3		
PESTR	comp=Z,2.4nm,2.0s					23 08 59.7			
PESTR	comp=Z,3.15nm,16.0s					23 08 59.7			
WHY	Whitehorse	63.96	22	eP	P	22 41 15.2	-0.6		
PBAR	Barrancos	64.13	299	eP	P	22 41 18.1	+1.1		
PMTG	Montargil	64.15	301	eP	P	22 41 17.3	+0.2		
ALMR	Almeirim	64.28	301	eP	P	22 41 18.1	0.0		
ALMR	Almeirim	64.28	301	eP	P	22 41 18.9	+0.9		
ALMR	Almeirim	64.28	301	eP	P	22 41 18.0	0.0		
ALMR	Almeirim	64.41	300	eP	P	22 41 20.6	+1.7		
PBEJ	Beja	64.69	300	eP	P	22 41 24.1	+3.4		
PNCL	Nicolau / Gran	65.00	300	eP	P	22 41 24.7	+2.0		
MESJ	Messejana	65.02	300	eP	P	22 41 22.9	+0.1		
MESJ	Messejana	65.02	300	eP	P	23 08 17.4			
MESJ	Messejana	65.02	300	eP	P	22 41 25.0	+2.2		
MESJ	Messejana	65.02	300	eP	P	22 41 22.9	+0.1		
PVAQ	Vaqueiros	65.05	299	eLR	LR	23 07 06.3			
PCVE	Castro Verde	65.07	299	eP	P	22 41 26.9	+3.7		
PBDV	Barranco-do-Ve	65.29	299	eP	P	22 41 28.1	+3.5		
YKA	Yellowknife Ar	65.87	11	P	P	22 41 27.1	-0.8		
MDT	Midelt	66.56	293	P	P	22 41 33.1	+0.1		
MDT	comp=E,2.7nm,0.6s					23 12 31.4			
DLBC	Dease Lake	67.06	20	eP	P	22 41 36.2	+0.4		
TAM	Tamanrasset	67.62	279	eP	P	22 41 41.2	+1.3		
TAM	Tamanrasset	67.62	279	eP	P	22 41 41.2	+1.3		
BATI	Baumata	68.34	141	P	P	22 41 41.8	-2.4		
SCHO	Schefferville	72.70	345	P	P	22 42 08.9	-1.5		
SCHO	Schefferville	72.70	345	eP	P	22 41 07.0			
SCHO	Schefferville	72.70	345	eP	P	22 42 09.2	-1.2		
PMOZ	Porto Moniz, M	73.65	302	eLR	LR	23 10 05.9			
FITZ	Fitzroy Crossi	76.28	143	P	P	22 42 30.1	-1.4		
TOPO	Torodi Ar, Bea	77.21	275	P	P	22 42 36.0	-0.9		
ORD	Amboditratomp	77.44	219	LR	LR	23 16 20.5			
B05A	Bryant	78.27	20	P	P	22 42 42.0	-0.5		
NLWA	Neilton Lookou	78.71	21	eP	P	22 42 46.2	+1.3		
B08A	Colville Reser	78.75	18	eP	P	22 42 45.5	+0.3		
ULM	Lac du Bonnet	79.44	2	P	P	22 42 44.4	-1.5		
ULM	comp=Z,6.8nm,0.8s					23 22 47.9			
ULM	comp=Z,2.73nm,18.2s					23 22 47.9			

C09A	Chrisman Ranch	79.48	17	eP	P	22 42 49.6	+0.5		
LON	Longmire	79.77	20	eP	P	22 42 51.4	+0.6		
LON	Longmire	79.77	20	eP	P	22 42 51.4	+0.6		
LON	Longmire	79.77	20	eP	P	22 42 51.4	+0.6		
KOWA	Kowa	79.79	280	P	P	22 42 50.8	-0.5		
KOWA	comp=Z,3.4nm,0.8s					22 42 52.4	+1.2		
F03A	Seaside	80.16	21	eP	P	22 42 54.1	+1.3		
JTMT	Jetty	80.23	15	eP	P	22 42 53.6	+0.2		
EGMT	Eagleton	80.62	12	eP	P	22 42 54.5	-0.8		
EGMT	Eagleton	80.62	12	eP	P	22 42 54.8	-0.6		
E09A	Wood Farm, Sta	80.75	18	eP	P	22 42 56.4	+0.4		
PQI	Presque Isle	80.75	343	eP	P	22 42 55.9	-0.1		
DGMT	Dagmar	80.77	8	eP	P	22 42 55.1	-1.0		
DGMT	Dagmar	80.77	8	eP	P	22 42 56.2	+0.1		
A33A	Wiardand, He	80.77	2	P	P	22 42 54.9	-1.1		
G03D	McMinnville, O	80.90	21	P	P	22 42 56.8	0.0		
B34A	Aery, Baudette	81.23	1	P	P	22 42 56.6	-1.9		
B35A	Bob, Littlefor	81.37	1	P	P	22 42 58.0	-1.2		
AGMN	Agassiz Nation	81.40	2	P	P	22 42 58.1	-1.3		
AGMN	Agassiz Nation	81.40	2	eP	P	22 42 58.0	-1.4		
F10A	Beach Ranch, E	81.44	17	eP	P	22 43 00.2	+0.5		
G06A	Carlson Farm	81.47	20	eP	P	22 43 00.8	+1.0		
COR	Corvallis	81.48	22	eP	P	22 43 02.1	+2.2		
COR	Corvallis	81.48	22	eP	P	22 43 02.1	+2.2		
WRAB	Tennant Creek	81.54	136	eP	P	22 42 59.3	-1.0		
WRAB	Tennant Creek	81.54	136	eP	P	22 42 58.6	-1.8		
WRAB	Tennant Creek	81.54	136	eP	P	22 42 58.6	-1.8		
WRA	Warramunga Arr	81.55	136	P	P	22 42 58.8	-1.6		
G08A	Pilot Rock	81.76	18	eP	P	22 43 02.1	+0.6		
EYMN	Ely	81.78	359	P	P	22 43 00.3	-1.1		
EYMN	Ely	81.78	359	eP	P	22 43 00.8	-0.6		
C36A	Pine Crest Far	81.98	0	P	P	22 43 01.2	-1.3		
C37A	Embrass	82.00	360	P	P	22 43 01.3	-1.3		
C38A	Sawbill Land.	82.01	359	P	P	22 43 01.5	-1.1		
I05D	Terrebonne, OR	82.17	20	eP	P	22 43 02.5	-1.1		
I03D	Drain, OR	82.31	22	eP	P	22 43 05.0	+0.8		
PKME	Peaks-Kenny Pk	82.34	344	P	P	22 43 05.1	+0.7		
LRM	Limekiln Ridge	82.40	14	eP	P	22 43 04.5	-0.5		
I04A	Tendick Farm,	82.44	21	eP	P	22 43 05.2	+0.2		
BMO	Blue Mountains	82.50	17	eP	P	22 43 05.0	-0.4		
BMO	Blue Mountains	82.50	17	eP	P	22 43 05.0	-0.4		
D36A	Goodland	82.56	0	P	P	22 43 04.6	-0.9		
D36A	Goodland	82.56	0	eP	P	22 43 04.4	-1.1		
BOZ	Bozeman (W)	82.74	13	P	P	22 43 05.7	-1.0		
BOZ	Bozeman (W)	82.74	13	eP	P	22 43 06.4	-0.3		
BOZ	Bozeman (W)	82.74	13	eP	P	22 43 06.4	-0.3		
I07A	Izee	82.81	19	eP	P	22 43 08.3	+1.3		
GCMT	Greycliff	82.82	12	eP	P	22 43 06.9	-0.1		
J04D	Umputa National	83.04	21	P	P	22 43 08.			

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IVAS, BEY, SJES, MDVR, RDO, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like OBKA, CONA, MOA, KBA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LLGN, LCY, VSM, SBL, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, YKA Yellowknife Ar, ARCES ARCES Array B, etc.

NIED 31 00:43:00.3770N:143.70E, h83km, Mw3.9 Best double couple: M0.69000:1014 NP1.3939.00000, 8.21.00000, 7.55.00000. NP2.09:180.00000, 8.65.00000, 7.109.00000.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like JIO Ouri, JIO JHCJ, JIO OFUJ, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like JOT Otama, JYK Naneyama, JANG Nango, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like JAG Oyata, ERM Erimo, JOD2 Odawara 2, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like MAJO Matusushiro, MAT Matusushiro, JKB Kayabe, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy 26.87 125 T, H1N1 WAKE ISLAND Hy 26.88 125 T, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like GUC 31 00:44:28.6:0.5, 21.77S:68.59W, h137km, 4km, ML3.7, 4C, Chile-Bolivia border region.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like PB07 IPOC Station P, PB07 IPOC Station P, PB02 IPOC Station P, etc.

NIED 31 00:54:00.32:20N:140.80E, h83km, Mw3.7 Best double couple: M0.43000:1014 NP1.39:282.00000, 8.29.00000, 7.26.00000. NP2.09:168.00000, 8.78.00000, 7.116.00000. ISCJB 31 00:54:03.5:1.5, 32.00N:0.09:140.7E:0.2, h78km, 12km, mb3.5/5, Error ellipse: s-maj=21.9km s-min=14.6km az=0.2

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like JHJC Hachiojimakes, JHJC Mitsune, JHJ Hachio jima 2, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like JMKM Mikurajimash, JMKM Boso 1, JSD1 Odawara 2, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK 3.2m, 0.4s, MNAS Manas, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like KTKMS Ketmen, DJR Jarkent, PDGK Podgornoye, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like SHLS Shalko, KAPS Kapalaras, KAPS Kapalaras, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like UZB Uzynbulak, KPKS Kolkpek, KPKS Kolkpek, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like NNA 14nm, 0.3s, baz=6.5, slow=11, SNR=18, NNA 12nm, 0.3s, baz=261, slow=18, SNR=8.1, etc.

ISCJB 31 00:54:03.5:1.5, 32.00N:0.09:140.7E:0.2, h78km, 12km, mb3.5/5, Error ellipse: s-maj=21.9km s-min=14.6km az=0.2

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like SDV Santa Dominga, SDV Santa Dominga, SDV Santa Dominga, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like NNC 31 00:59:02.4:3.4, 36.75N:70.28E, h0km, mb3.6, mpv3.2, SC-1D, Error ellipse: s-maj=26.7km s-min=24.5km az=153.0, Hindu Kush region.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like SFC Sufi-Kurgan, SFC 3.2m, 0.4s, MNAS Manas, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like KTKMS Ketmen, DJR Jarkent, PDGK Podgornoye, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like SHLS Shalko, KAPS Kapalaras, KAPS Kapalaras, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, Time, Res. Includes stations like UZB Uzynbulak, KPKS Kolkpek, KPKS Kolkpek, etc.

Table with columns: ID, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like SONSECA Array, South Pole Qui, TAM Tamarassett, etc.

JMA 31 01:12:45.3±0.1, 34.96N±141.31E, h42km±2km, M3.2
ISCJCB 31 01:12:46.0±0.6, 34.90N±0.05±141.17E±0.07, h48km, mb3.8/9, MS3.1/2, Error ellipse: s-maj=8.0km s-min=7.0km az=171.3

DC 31 01:12:50.5±2.7, 34.96N±140.88E, h63km±24km, mb3.5/9, mb1 3.7/11, mb1mx3.4/69, mbtmp3.8/11, ML3.3/2, MS3.1/4, Ms1 3.1/4, ms1mx2.7/57, mbtmp3.8/11, s-maj=28.7km s-min=16.1km az=70.0

ISC 31 01:12:49.0±0.8, 34.90N±0.05±141.20E±0.08, h48km, n31, ±200/24, mb3.7/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like BOSO 1, BOSO 3, BOSO 4, Katsura, etc.

NEIC 31 01:18:59.2±0.0, 46°21'S±165°81'E, h5km, ML4.5(WEL), After WEL
WEL 31 01:19:00.8±1.2, 47°5.7'±16°6"E±, h5km, ML4.7/13, Off west coast of South Island

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like PUYSEGUR Point, The Paps, Deep Cove, etc.

ISCJCB 31 01:26:38.2±0.3, 4.54N±0.02±75.95W±0.03, h66km±3km, mb4.4/115, Error ellipse: s-maj=4.3km s-min=3.6km az=7.5

NEIC 31 01:26:39.8±0.4, 4.56N±75.92W, h63km±4km, mb4.5/104, ML4.2(RSNC), Error ellipse: s-maj=4.5km s-min=3.5km az=76.0

NEIC Felt [IV] at Armenia and Pereira and [II] at Cali. Also felt at Bogota, Calarca, Manizales and Marsella.
RSNC 31 01:26:39.0±1.2, 4.55N±75.99W, h17km±4km, ML4.2, Mw4.2

DC 31 01:26:41.5±1.4, 4.50N±75.89W, h88km±12km, mb3.7/18, mb1 4.0/23, mb1mx3.8/49, mbtmp4.1/23, MS3.4/22, Ms1 3.4/22, ms1mx3.3/45, Error ellipse: s-maj=14.0km s-min=10.6km az=50.0

ISC 31 01:26:37.0±0.4, 5.44N±0.03±75.99W±0.03, h44km±5km, n353, ±1813/358, mb4.5/115, MS3.4/17, 4C-2D, Colombia

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like San Jos del, Santa Ana, Yotoco, Valle, Tolima, Guyana, Colombia, etc.

Table with columns: ID, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like Y53A Monroe, Z50A Ashland, Z50A Lakeview, etc.

Q48A	North Vernon	35.36 347	P	P	01 33 29.4 +0.4
R45A	Skylar, Fairir	35.42 343	P	P	01 33 29.5 -0.1
T41A	Mountain View	35.44 338	P	P	01 33 29.8 0.0
Q47A	Bedord North L	35.53 346	P	P	01 33 30.9 +0.4
U39A	Green Forest	35.54 335	P	P	01 33 30.8 +0.1
CPUP	Villa Florida	35.61 150	P	P	01 33 28.6 -2.7
CPUP	comp=Z,11nm,21.4s,baz=354,slow=37		LR		01 48 22.9
ABTX	Abilene, Hawle	35.64 324	P	P	01 33 31.4 -0.2
ABTX	Abilene, Hawle	35.64 324	eP	P	01 33 31.8 +0.3
O56A	Blue Knob Stat	35.65 357	P	P	01 33 32.0 +0.4
O56A	Blue Knob Stat	35.65 357	eP	P	01 33 31.8 +0.2
HHAR	Hobbs	35.65 335	eP	P	01 33 31.2 -0.4
P49A	Miami Univ. Ec	35.73 348	P	P	01 33 32.3 +0.1
S42A	Caledonia	35.74 340	P	P	01 33 31.5 -0.8
BLO	Bloomington	35.78 346	eP	P	01 33 33.5 +0.9
FVM	French Village	35.81 340	eP	P	01 33 32.9 0.0
T40A	Mansfield	35.82 337	P	P	01 33 32.5 -0.5
S41A	Jilco Farms,	35.91 338	P	P	01 33 33.9 +0.1
Q45A	Warren Harvey,	35.94 344	P	P	01 33 33.7 -0.3
SSPA	Standing Stone	35.98 358	P	P	01 33 35.5 +1.2
TXAR	Lajitas Array	35.99 316	P	P	01 33 35.6 +0.9
TXAR	comp=Z,0.4nm,0.4s,baz=131,slow=11,SNR=0.3		PcP		01 36 00.9 +0.2
P47A	Martinsville	36.02 346	P	P	01 33 34.7 0.0
O50A	Cable	36.12 350	P	P	01 33 35.8 +0.3
CCM	Cathedral Cave	36.15 339	P	P	01 33 36.1 +0.3
CCM	Cathedral Cave	36.15 339	eP	P	01 33 36.2 +0.3
TUL1	Leonard	36.17 332	P	P	01 33 35.5 -0.5
TUL2	Leonard	36.17 332	eP	P	01 33 36.0 -0.1
R42A	Luebbering	36.20 340	P	P	01 33 35.8 -0.4
Q44A	Meyer Farm, Va	36.20 343	P	P	01 33 36.0 -0.2
S40A	Lebanon	36.21 338	P	P	01 33 35.7 -0.6
N59A	State Game Lan	36.22 0	P	P	01 33 36.6 +0.2
O49A	Covington	36.28 349	P	P	01 33 36.8 -0.1
P45A	Graceland, Par	36.42 345	P	P	01 33 37.6 -0.5
T38A	Diamond	36.44 335	P	P	01 33 37.2 -1.1
N54A	Moraine State	36.44 355	P	P	01 33 39.1 +0.8
N54A	Moraine State	36.44 355	eP	P	01 33 38.4 +0.1
O48A	Farmland	36.51 348	P	P	01 33 38.9 0.0
S39A	Bolivar	36.61 337	P	P	01 33 38.8 -0.9
S39A	Bolivar	36.61 337	eP	P	01 33 39.1 -0.6
O47A	Sheridan	36.71 347	P	P	01 33 40.3 -0.2
R40A	Maddies Statio	36.73 338	P	P	01 33 39.9 -0.8
R40A	Maddies Statio	36.73 338	eP	P	01 33 40.1 -0.6
WMOK	Wichita Mounta	36.73 328	P	P	01 33 40.3 -0.6
WMOK	Wichita Mounta	36.73 328	eP	P	01 33 40.5 -0.4
Q41A	Truxton	36.95 340	P	P	01 33 42.0 -0.6
M54A	Oil Creek Stat	36.96 355	P	P	01 33 42.8 +0.1
M54A	Oil Creek Stat	36.96 355	eP	P	01 33 41.8 -0.9
R39A	Chumby, Stover	37.04 337	P	P	01 33 42.4 -1.0
SFIN	Lafayette	37.06 346	P	P	01 33 42.7 -0.8
R38A	Fenwick Farm,	37.27 336	P	P	01 33 44.2 -1.2
Q40A	Laux Farm, Aux	37.28 339	P	P	01 33 44.4 -1.0
M49A	Liberty Center	37.47 350	P	P	01 33 46.8 -0.1
BINY	Binghamton	37.50 360	eP	P	01 33 47.9 +0.7
Q39A	Willow Grove F	37.53 338	P	P	01 33 47.6 -1.0
N44A	Piper City	37.72 345	P	P	01 33 48.2 -0.8
P40A	Paris	37.75 340	P	P	01 33 48.2 -1.2
Q38A	Cooks Store, C	37.82 337	P	P	01 33 49.3 -0.7
P39B	Salisbury	37.96 339	P	P	01 33 50.0 -0.3
L48A	N Adams	38.00 350	P	P	01 33 51.5 -0.1
O40A	La Belle	38.22 340	P	P	01 33 52.2 -1.1
LP1G	La Paz	38.35 304	LR	LR	01 49 52.5
P38A	Dawn	38.37 338	P	P	01 33 53.9 -0.8
P38A	Dawn	38.37 338	eP	P	01 33 53.6 -1.0
MSTX	Muleshoe	38.44 323	eP	P	01 33 55.5 +0.1
MNTX	comp=Z,14nm,1.0s		P		01 33 57.1 +0.3
MNTX	Cornudas Mount	38.61 318	eP	P	01 33 57.4 +0.6
MNTX	Cornudas Mount	38.61 318	eP	P	01 34 06.3 +0.6
LBNY	Lisbon	39.70 5	P	P	01 34 08.4 +0.7
LONH	Lake Ozonia	39.94 2	P	P	01 34 06.3 +0.7
SADO	Sadowa	40.17 357	eP	P	01 34 09.5 -0.1
PLVO	Plevna	40.35 359	eP	P	01 34 11.1 +0.1
ANMO	Albuquerque	41.35 321	P	P	01 34 19.3 -0.4
ANMO	comp=Z,1.9nm,0.9s,baz=149,slow=9.4,SNR=6.3		LR		01 54 20.9
ANMO	Albuquerque	41.35 321	P	P	01 34 20.3 +0.6
ANMO	Albuquerque	41.35 321	eP	P	01 34 21.2 +1.4
TASL	Snake Pit, Alb	41.35 321	P	P	01 34 20.4 +0.6
TASM	ASL Pad, Albuq	41.36 321	P	P	01 34 20.1 +0.3
LAZ	Ladron	41.44 320	eP	P	01 34 20.3 -0.2
TRQ	Mont Tremblant	41.54 1	eP	P	01 34 21.3 +0.4
T25A	Trinidad	41.60 325	eP	P	01 34 22.3 +0.6
F45A	CMU Biological	41.82 350	P	P	01 34 22.7 -0.4
I38A	Scanlan Farm,	41.90 342	P	P	01 34 23.4 -0.4
G40A	Rib Lake	42.43 345	P	P	01 34 27.7 -0.5
SDCO	Great Sand Dun	42.64 325	P	P	01 34 29.9 -0.4
SDCO	Great Sand Dun	42.64 325	eP	P	01 34 31.5 +1.1

TUC	Tucson	42.69 315	eP	P	01 34 32.2 +1.6
G39A	Holcombe	42.71 344	P	P	01 34 29.6 -0.7
E43A	Lon Tree Farm	42.76 349	eP	P	01 34 31.0 +0.2
G38A	Ridgeland	42.79 343	P	P	01 34 30.6 -0.4
F40A	Park Falls	43.02 346	P	P	01 34 32.2 -0.7
ECSD	EROS Data Cent	43.08 338	P	P	01 34 31.6 -1.8
ECSD	EROS Data Cent	43.08 338	eP	P	01 34 32.8 -0.6
SPMN	Marine on St.	43.12 343	P	P	01 34 32.7 -1.0
F39A	Loretta	43.22 345	P	P	01 34 34.8 +0.2
E41A	Kenton	43.26 347	P	P	01 34 34.7 -0.1
S22A	4UR Ranch, Cre	43.42 324	P	P	01 34 36.8 +0.2
S22A	4UR Ranch, Cre	43.42 324	eP	P	01 34 37.0 +0.5
E40A	Wakefield	43.46 346	P	P	01 34 35.8 -0.6
E39A	Mellen	43.56 345	P	P	01 34 36.9 -0.4
MVCO	Mesa Verde	44.07 322	eP	P	01 34 42.4 +0.7
MVCO	Mesa Verde	44.07 322	eP	P	01 34 42.5 +0.7
ISCO	Idaho Springs	44.14 327	P	P	01 34 42.6 +0.2
ISCO	Idaho Springs	44.14 327	eP	P	01 34 43.1 +0.8
SMCO	Snowmass	44.46 325	eP	P	01 34 45.6 +0.5
PV01	Paradox Valley	44.71 323	eP	P	01 34 47.6 +0.7
PV02	Paradox Valley	44.85 323	eP	P	01 34 49.7 +1.6
PV13	Radium Mtn.,	44.87 323	eP	P	01 34 48.5 +0.3
WUAZ	Wupatki	44.89 318	eP	P	01 34 49.4 +1.1
PV03	Paradox Valley	44.95 323	eP	P	01 34 50.0 +1.2
PV18	Skein Mesa, Pa	44.98 323	eP	P	01 34 49.1 +0.1
PV16	Nyswonger Mesa	45.03 323	eP	P	01 34 50.3 +0.9
RPN	Rapa Nui	45.05 224	LR	LR	01 49 05.6
N23A	Red Feather La	45.09 328	eP	P	01 34 50.4 +0.5
PV22	Blue Mesa, Par	45.10 323	eP	P	01 34 50.5 +0.6
EYMN	Ely	45.25 345	P	P	01 34 50.7 0.0
PLCA	Paso Flores	45.32 174	P	P	01 34 51.8 +0.3
PLCA	Paso Flores	45.32 174	eP	P	01 34 52.0 +0.6
C36A	Pine Crest Far	45.43 344	P	P	01 34 52.6 +0.4
RWWY	Ravens	46.33 328	eP	P	01 34 59.6 0.0
SRU	San Rafael Swe	46.51 323	eP	P	01 35 00.8 -0.2
RSSD	Black Hills	46.52 332	P	P	01 35 01.2 +0.2
RSSD	Black Hills	46.52 332	eP	P	01 35 01.2 +0.2
PKCU	Pink Cliffs	46.62 320	eP	P	01 35 02.6 +0.4
P18A	Preston Nutter	46.67 323	eP	P	01 35 02.7 +0.3
KNB	Kanab	46.71 319	eP	P	01 35 03.4 +0.8
AGMN	Agassiz Nation	46.80 342	P	P	01 35 03.1 +0.1
P17A	Butcher Ranch,	46.87 323	eP	P	01 35 03.9 +0.1
LCMT	Litt Creek M	46.98 318	eP	P	01 35 05.4 +0.7
TMUT	Trail Mountain	47.04 322	eP	P	01 35 05.6 +0.3
MSU	Marysval	47.16 321	eP	P	01 35 07.7 +1.5
SZCU	Shurtz Canyon	47.21 319	eP	P	01 35 08.3 +1.7
A33A	Warroad	47.23 343	P	P	01 35 06.0 -0.2
CCUT	Cedar City	47.37 319	eP	P	01 35 08.6 +0.8
SHPR	Sheep Range	47.99 317	eP	P	01 35 13.4 +0.8
BW06	Boulder Array	48.33 327	P	P	01 35 15.3 +0.1
BW06	Boulder Array	48.33 327	eP	P	01 35 15.4 +0.2
PD31	Pinedale Array	48.33 327	eP	P	01 35 16.6 +1.4
PD31	Pinedale Array	48.33 327	eP	P	01 35 16.0 -2.7
PDAR	Pinedale Array	48.33 327	eP	P	01 35 15.0 -0.2
PDAR	comp=Z,1.4nm,0.8s,baz=113,slow=7.1,SNR=11		LR		01 59 27.5
ULM	Lac du Bonnet	48.54 343	P	P	01 35 14.9 -0.3
ULM	comp=Z,2.0nm,0.6s,baz=145,slow=9.7,SNR=3.7		LR		01 58 23.1
DUG	Dugway, Tocolo	48.57 322	eP	P	01 35 17.1 +0.2
HWUT	Hardware Ranch	48.70 324	eP	P	01 35 17.3 -0.7
SPUT	South Frontont	49.03 324	eP	P	01 35 21.7 +1.2
BGU	Big Grassy Mow	49.14 323	eP	P	01 35 21.4 0.0
REDW	Red Top Meadows	49.44 327	eP	P	01 35 24.2 +0.6
LOHW	Long Hollow	49.47 327	eP	P	01 35 24.4 +0.5
TPAW	Teton Pass	49.57 327	eP	P	01 35 24.0 -0.8
MOOW	Moose Ponds	49.63 327	eP	P	01 35 25.5 +0.4
FXWY	Fox Creek	49.71 327	eP	P	01 35 26.1 +0.3
RLMT	Red Lodge	49.80 329	P	P	01 35 26.4 0.0
IMW	Indian Meadow	49.84 327	eP	P	01 35 27.4 +0.6
CGMT	Greywolf	50.47 330	eP	P	01 35 31.6 +0.3
NV01	Nina Array Sit	51.13 317	eP	P	01 35 37.3 +0.8
NVAR	Mina Array Base	51.13 317	P	P	01 35 37.0 +0.5
NVAR	comp=Z,1.1nm,0.7s,baz=130,slow=6.6,SNR=2.9		PcP		01 36 51.4 -0.4
KVN	Kaiserville	51.31 318	eP	P	01 35 38.0 +0.1
BOZ	Bozeman (W)	51.34 328	P	P	01 35 38.0 +0.1
BOZ	Bozeman (W)	51.34 328	eP	P	01 35 38.1 +0.1
RYN	Ryan	51.38 317	eP	P	01 35 39.0 +0.7
BMN	Battle Range	51.47 320	eP	P	01 35 40.3 +1.3
MCMT	McKenzie Canyo	51.48 327	eP	P	01 35 39.6 +0.5
HLID	Hailey	51.56 325	eP	P	01 35 39.9 +0.3
HLID	Hailey	51.56 325	eP	P	01 35 40.3 +0.7
DLMT	Dillon	51.69 328	eP	P	01 35 40.2 -0.3
PMPB	March Peak	51.82 314	eP	P	01 35 42.2 +0.6
LRRM	Limekiln Ridge	51.92 328	eP	P	01 35 42.7 +0.4
WAKR	Walker	51.94 317	eP	P	01 35 44.2 +1.6
HRY	Holter Reservec	52.19 329	eP	P	01 35 44.5 +0.4
MFID	Camas Ranch	52.30 324	eP	P	01 35 45.9 +0.8
PNTR	Pine Nut	52.34 317	eP	P	01 35 46.0 +0.4
PAHR	Pat Har Range	52.50 318	eP	P	01 35 46.9 +0.2
WVOR	Wild Horse Val	54.34 321	eP	P	01 35 54.0 +0.5

JTMT	Jette	54.13 329	eP	P	01 35 57.6 -0.8
G08A	Pilot Rock	55.21 324	eP	P	01 36 07.5 +1.1
LAB	Little Aspen B	55.53 320	eP	P	01 36 10.9 +2.1
PINE	Pine Mountain	55.59 322	eP	P	01 36 09.2 -0.1
YBH	Yreka Blue Hor	55.70 319	LR	LR	02 02 58.5
YKA	Yellowknife Ar	54.45 341	P	P	01 37 07.8 -1.6
SFJD	Kangerlussuaq	64.77 11	LR	LR	02 07 31.9
DLBO	Dease Lake	67.99 333	eP	P	01 37 32.9 +0.6
TIC	Toumouidi	70.61 85	eP	P	01 37 46.7 -2.5
LIC	Lamto	70.62 85	eP	P	01 37 46.1 -3.1
DBIC	Dimbokro	70.77 85	P	P	01 37 47.7 -2.4
DBIC	comp=Z,2.0nm,0.8s,baz=258,slow=6.4,SNR=5.9		LR		02 07 10.7
KIC	Koisan Boka	70.90 85	eP	P	01 37 48.2 -2.7
KOWA	Kowa	71.43 76	P	P	01 37 52.3 -1.8
KOWA	comp=Z,2.1nm,0.8s,baz=				

31d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KOK Koryaka, SMAR Somma, SDLR Sedlovina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SHO, YSS, YSZ, MA2, ASAJ, ERMO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KLR, MAJO, MJAR, KRSR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H1N2, H1N1, H1N3, JOW, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include YKA, YKA, YKA, YKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MKAR, MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AAK, AAK, AAK, CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NVAR, PDAR, ANMO, TXAR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CTAO, FITZ, AS31, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SBUM, STKA, STKA, STKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM, H1S9, H1S2, H1S1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H1N1, H1N2, H1N3, JNU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KULM, PSI, PSI, KRSR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSI, KMI, KMI, CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CMAR, SONO, SONM, SONA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MK01, MK31, MK32, MKAR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NVAR, TORO, ILAR, GSPA, etc.

ISCJB 31 02:07:27.5:0.6, 6.07N:0.03:127.03E:0.06, h93km, 4km, mb4.5/33, Error ellipse: s-maj=9.6km s-min=4.2km az=160.0

NEIC 31 02:07:28.0:0.8, 6.16N:127.20E, h92km, 6km, mb4.5/14, Error ellipse: s-maj=10.7km s-min=4.1km az=59.0

MAN 31 02:07:29.0, 6.05N:126.92E, h60km, mb4.7, ML3.6, MS3.5, IDC 31 02:07:29.4:2.4, 6.16N:127.12E, h97km, 17km, mb4.1/16, mb1.4/216, mb1mx3.8/64, mb2mx4.5/16, MS2.7/4

M1 2.8/4, ms1mx2.5/67, Error ellipse: s-maj=38.4km s-min=9.7km az=66.0

BUI 31 02:07:29.6, 5.90N:127.11E, h120km, 6km, 6/23, mb5.0/13, DJA 31 02:07:34.9:0.6, 6.17N:127.7E, h72km, M4.9/7, mb4.8/3, mb4.9/7, MLV4.9/6, Mw(MB)4.1/3

ISC 31 02:07:28.5:0.9, 6.02N:104.127.00E:0.07, h85km, 7km, n82, s1f79/100, mb4.5/33, 3C-2D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MATI, MATI, DDMP, DAV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DAV, DMPH, GSPH, GSPH, etc.

ISCJB 31 01:46:06.0:0.5, 1.56S:0.04:77.63W:0.10, h181km, mb3.4/8, Error ellipse: s-maj=13.9km s-min=5.8km az=5.7

IDC 31 01:46:07.2:2.1, 1.43S:77.40W, h195km, 22km, mb3.2/8, mb1.3/412, mb1mx3.3/46, mb2mx3.8/12, Error ellipse: s-maj=21.7km s-min=13.6km az=61.0

ISC 31 01:46:06.0:0.6, 1.52S:0.07:77.6W:0.11, h181km, n25, s1f62/27, mb3.4/8, Ecuador region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include OTAV, GMB, CMUC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GYA, GYA, KMI, KMI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NVAR, STKA, STKA, etc.

Table with columns: Call sign, Station Name, Frequency, Power, and other technical details. Includes stations like WMQ, MK01, MK01, MK32, etc.

MOS 31 02:20:07.2,2.8, 20:815s:175:47W, h33km, mb5.0/23, Error ellipse: s-maj=12.0km s-min=8.3km az=139.0

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like NIUE, AFI, AFI, etc.

Table with columns: Call sign, Station Name, Frequency, Power, and other technical details. Includes stations like TSZ, DVHZ, ANWZ, etc.

Table with columns: Call sign, Station Name, Frequency, Power, and other technical details. Includes stations like BBOO, AS01, AS31, etc.

31d 2h

Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like MDPB Devils Postpil, OMBB Old Mammoth Mi, GSC Goldstone, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like WUAZ Wupatki, PKCU Pink Cliffs, D05A Enunclaw, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like HHC LASA Array, LAO LASA Array, OGNE Ogalaia, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like ONI, GDB, GANJ, KUBA-TABA, SIYZ, POL, AKH, BGD, NEY, SHAI, KIV, PUK, BCI, BZS, ARR, VOIR, CJR, SVS, BOVS, STON, ZAPS, Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like BATI, EDFI, LBMI, FITZ, WRA, ASAR, ASAR, SONM, MKAR, ZALV, BVAR, AKTO, TRN, MVM, LPFM, ZAM, TRMF, BIM, BAMF, PDF, GDF, GBM, CXM, PML, PCM, SCB, SSV, SSV, SVV, SVB, GRGR, ISJCJB, CSEM, BEO, PUK, BCI, BZS, ARR, VOIR, CJR, SVS, BOVS, STON, ZAPS, Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like CLCH, FCH, ANTU, AUSP, LMEL, RTLS, ARCO, ASAL, RTCV, RTLL, ARCO, MEX, PNIG, VHO, HUG, TLIG, TAIG, CAIG, CSEM, BUC, BEO, LOT, LOT, LOT, HERR, HERR, HERR, DEV, DEV, DEV, MDVR, MDVR, MDVR, BZV, BZS, BZS, ARR, ARR, VOIR, VOIR, VOIR, VOIR, VOIR, CJR, CJR, SVS, BOVS, BOVS, ZAPS, ZAPS, Muntele Rosu, MLR, MLR, TRUS, GRUS, GRUS, GRUS, SELS, DIVS, DIVS, IDC, PMG, PMG, WRA, ASAR, FITZ, TORD, KRAR, etc.

MTN	baz=29,SNR=32	28.89	108	eP	P	06 56 06.6	-1.1
BRDH	Bariahdala comp=Z,26nm,0.5s	29.52	338	LR	LR	07 09 44.7	
KMI	Kunming	06 56 17.5	+1.7				
KMI		06 56 32.5	+0.4				
KMI		06 56 40.5	+0.5				
KMI		07 01 11.5	+3.7				
KMI		07 02 47.5	+3.2				
KMI	comp=Z,24nm,0.8s						
KMI	comp=Z,150nm,3.5s						
KMI	comp=Z,400nm,15.1s						
KMI	comp=Z,140nm,13.5s						
KDU	Kakadu	30.13	107	P	P	06 56 16.8	-1.9
H08S2	Diego Garcia H	30.45	263	T	T	07 28 34.7	
H08S3	Diego Garcia H	30.45	263	T	T	07 28 26.8	
H08S1	Diego Garcia H	30.46	263	T	T	07 28 27.6	
NWA0	Narrogin (SRO)	30.94	156	LR	LR	07 07 20.3	
GYA	Guyiang	31.32	6	eP	P	06 56 32.0	+2.8
GYA							
WRKA	Warakuma	31.51	132	P	P	06 56 31.8	+1.0
H01W3	Cape Leeuwin H	31.62	162	T	T	07 30 08.4	
H01W2	Cape Leeuwin H	31.63	162	T	T	07 30 08.2	
H01W1	Cape Leeuwin H	31.63	162	T	T	07 30 07.6	
H08N1	Diego Garcia H	31.86	266	T	T	07 30 40.9	
H08N2	Diego Garcia H	31.88	266	T	T	07 30 44.3	
H08N3	Diego Garcia H	31.89	266	T	T	07 30 40.3	
SHL	Shillong	32.10	341	eP	P	06 56 35.4	-0.7
SHL	Shillong	32.10	341	eS	S	07 01 39.4	-4.5
SHL	Shillong					06 56 35.4	-0.7
SHL	Shillong					07 01 39.4	-4.5
WR1	Warramunga Arr	33.99	119	eP	P	06 56 52.2	-0.4
WR1							
WR1							
WRA	Warramunga Arr	33.99	119	eP	P	06 56 52.2	-0.4
WRA	comp=Z,23nm,0.5s, baz=305,slow=8.6,SNR=265						
WRA	comp=Z,5.4nm,0.5s, baz=303,slow=2.0,SNR=8.3						
WRA	comp=Z,0.9nm,0.9s, baz=272,slow=12,SNR=3.6						
WRAB	Tennant Creek	34.00	119	eP	P	06 56 52.7	+0.1
WRAB	Tennant Creek	34.00	119	eP	P	06 56 52.3	-0.3
WRAB							
WB2	Warramunga Arr	34.00	119	eP	P	06 56 52.2	-0.4
WB2							
WB2							
ODAN	Odare	34.95	335	eP	P	06 57 01.2	+0.2
ASAR	Alice Springs	35.17	125	P	P	06 57 03.1	+0.4
ASAR	comp=Z,36nm,0.6s						
ASAR	comp=Z,1.2nm,0.3s, baz=300,slow=8.3,SNR=191						
ASAR	comp=Z,1.1nm,0.8s, baz=295,slow=16,SNR=6.1						
ASAR	comp=Z,0.8nm,0.9s, baz=305,slow=3,SNR=6.5						
AS31	Alice Springs	35.17	125	eP	P	06 57 03.1	+0.4
AS31							
AS31							
AS01	Alice Springs	35.21	125	eS	S	07 02 29.4	-2.0
AS01							
AS01							
TAPN	Taplejung	35.25	336	eP	P	06 57 04.0	+0.4
RAMN	Ramite	35.37	334	eP	P	06 57 05.2	+0.6
CD2	Chengdu	35.56	1	eP	P	06 57 05.8	-0.1
CD2						07 02 39.5	+2.5
CD2							
CD2							
JIRN	Jiri	36.16	334	eP	P	06 57 11.8	+0.3
LSA	Lhasa	36.18	342	eP	P	06 57 11.2	-0.5
LSA	Lhasa	36.18	342	eP	P	06 57 11.3	-0.5
LSA							
PKIN	Phulchoki	36.44	333	eP	P	06 57 14.9	+1.1
GUN	Gumba	36.52	334	eP	P	06 57 14.9	+0.4
DMN	Daman	36.60	333	eP	P	06 57 15.3	+0.2
KKN	Kakani	36.68	333	eP	P	06 57 16.2	+0.5
WHN	Wuhan	36.83	16	P	P	06 57 16.3	-0.4
GKN	Gorkha	37.15	333	eP	P	06 57 20.3	+0.6
KOLN	Koldanda	37.44	331	eP	P	06 57 22.9	+0.7
DANN	Dangsing	37.85	332	eP	P	06 57 26.1	+0.3
PYUN	Piuthan	38.01	331	eP	P	06 57 27.4	+0.4
QIS	Mount Isa	38.84	117	P	P	06 57 33.7	-0.3
XAN	Xi'an	39.08	8	P	P	06 57 35.0	-0.7
XAN							
NJ2	Nanjing	39.68	21	eP	P	06 57 43.3	+2.7
NJ2							
JOW	Kunigami	39.87	37	LR	LR	07 13 10.6	
COEN	Coen	40.60	106	P	P	06 57 47.2	-1.4
ZECH	Lanzhou	40.73	1	eP	P	06 57 50.3	+0.9
LZH						06 58 10.0	-1.2
LZH						06 58 12.0	-2.0
LZH						06 59 29.5	+0.4
LZH							
LZH	comp=Z,72nm,1.1s						
LZH	comp=Z,170nm,5.4s						
LZH	comp=Z,280nm,15.0s						
LZH	comp=Z,280nm,15.2s						
LZH	comp=Z,380nm,18.7s						
BBOO	Buckleboo	41.53	136	P	P	06 57 55.6	-0.4
MTSU	Mount Surprise	42.47	112	P	P	06 58 04.2	+0.4
COEN	Coen	42.93	17	P	P	06 58 06.8	-0.5
TIA	Tai'an	43.88	135	P	P	06 58 15.9	+0.9
HTT	Hallett	44.03	98	P	P	06 58 15.3	-1.1
PMG	Port Moresby	44.03	98	P	P	06 58 15.3	-1.1
PMG	comp=Z,17nm,0.5s, baz=154,slow=1.8,SNR=8.9						
PMG	comp=Z,42nm,18.4s, baz=150,slow=41						

GTA	Gaotai	44.13	356	eP	P	06 58 17.3	+0.3
GTA						06 58 32.3	-1.7
GTA						06 58 37.5	-4.2
GTA						07 04 49.3	+4.1
GTA	comp=Z,16nm,0.9s						
GTA	comp=Z,54nm,5.6s						
GTA	comp=Z,340nm,18.4s						
GTA							
CTA	Charters Tower	44.70	114	P	P	06 58 22.3	+0.5
CTA	Charters Tower	44.70	114	eP	P	06 58 22.2	+0.4
CTA	Charters Tower	44.70	114	eP	P	06 58 22.2	+0.4
CTA							
QLP	Quilpie	44.90	123	P	P	06 58 24.2	+1.0
STKA	Stevens Creek	45.03	131	P	P	06 58 24.6	+0.4
STKA	comp=Z,28nm,20.2s, baz=252,slow=39					07 19 24.9	
STKA	Stevens Creek	45.03	131	P	P	06 58 25.1	+0.9
STKA	Stevens Creek	45.03	131	eP	P	06 58 25.1	+0.9
GUMO	Guam	45.42	66	P	P	06 58 25.0	-2.4
GUMO	comp=Z,129nm,0.5s, baz=184,slow=3.1,SNR=14					07 18 37.8	
JNU	Nakatsue	46.09	33	P	P	06 58 32.3	-0.2
JNU	comp=Z,23nm,0.8s, baz=210,slow=4.7,SNR=12					07 19 11.5	
JNU	comp=Z,22nm,18.3s, baz=149,slow=38						
JNU	Nakatsue	46.09	33	eP	P	06 58 32.6	+0.1
JNU							
HHC	Hu-ho-hao-te	46.15	9	eP	P	06 58 34.0	+1.1
HHC						07 05 18.5	+4.4
HHC						07 08 32.8	-7.5
HHC	comp=Z,35nm,0.9s						
HHC	comp=Z,90nm,4.5s						
HHC	comp=Z,200nm,13.7s						
HHC							
BJT	Baijiatatau	46.26	14	eP	P	06 58 34.0	+0.3
BJT							
BJT							
TJN	Taision	46.92	271	eP	P	06 58 39.1	+0.2
NIL	Nilore	47.52	326	eP	P	06 58 43.6	-0.1
NIL	comp=Z,50nm,0.4s						
NIL	Nilore	47.52	326	eP	P	06 58 43.6	-0.1
NIL							
ARPS	Mount Arrows	47.68	137	P	P	06 58 45.7	+0.8
ARPS	comp=Z,50nm,0.4s						
ARPS	baz=48,SNR=7.8						
CMSA	Cobar Meteorol	48.01	129	P	P	06 58 48.6	+1.1
CMSA	comp=Z,44nm,0.6s						
KS15	Wonju Array Si	48.03	27	eP	P	06 58 48.0	+0.5
KS15						07 00 15.1	+0.5
KSAR	Wonju Array Be	48.03	27	eP	P	06 58 48.0	+0.5
KSAR						07 00 15.1	+0.5
KSAR	Wonju Array Be	48.03	27	eP	P	06 58 48.0	+0.5
KSAR						07 00 15.1	+0.5
KSRS	Korea Array	48.06	27	P	P	06 58 48.0	+0.3
KSRS	comp=Z,8.3nm,0.6s, baz=230,slow=7.2,SNR=56						
KSRS						07 00 15.1	+0.4
KS01	Wonju Array Si	48.07	27	eP	P	06 58 47.8	0.0
KS01						07 00 14.7	0.0
EIDS	Eidsvold	50.36	119	P	P	06 59 05.8	+0.2
WMQ	Urumqi	50.37	346	P	P	06 59 06.3	+0.9
WMQ						06 59 29.0	-1.3
WMQ							
WMQ	comp=Z,99nm,0.7s						
WMQ	comp=Z,240nm,3.9s						
WMQ	comp=Z,150nm,26.9s						
KBL	Kabul	50.58	323	P	P	06 59 09.3	+2.0
KBL							
TOO	Toolangi	50.60	136	P	P	06 59 08.1	+0.9
TOO	comp=Z,12nm,0.8s						
KSH	Kashi	50.70	333	P	P	06 59 06.8	-1.2
KSH						06 59 30.3	-2.6
KSH						07 00 22.8	-1.7
KSH							
KSH	comp=Z,27nm,0.5s						
KSH	comp=Z,70nm,5.4s						
KSH	comp=Z,220nm,11.0s						
KSH							
YNG	Young	51.22	131	P	P	06 59 13.3	+1.4
YNG	comp=Z,160nm,12.3s						
WSAR	Wadi Sarin	51.52	305	P	P	06 59 15.9	+1.7
WSAR	comp=Z,3.5nm,0.5s, baz=145,slow=8.7,SNR=5.0						
PRZ	Przheval'sk	52.14	337	eP	P	06 59 19.6	+0.8
PRZ	comp=Z,34nm,0.4s						
PRZ	Przheval'sk	52.14	337	eP	P	06 59 19.6	+0.8
PRZ							
SFK	Sufi-Kurgan	52.24	331	P	P	06 59 20.1	+0.5
SFK							
PDGK	Podgornoye	52.45	338	P	P	06 59 21.1	+0.1
PDGK	comp=Z,30nm,1.1s						
CN2	Changchun	52.49	20	eP	P	06 59 20.3	-0.8
CN2							
SONAO	Songino Array	52.54	3	eP	P	06 59 22.5	+0.7
SONAO						07 00 31.4	+0.3
SONM	Songino Array	52.54	3	eP	P	06 59 22.3	+0.7
SONM	comp=Z,18nm,0.5s, baz=182,slow=9.1,SNR=87						
SONM						07 00 31.4	+0.3
SONM	comp=Z,4.4nm,0.3s, baz=188,slow=4.1,SNR=15					07 24 13.2	
SONAT	Songino Array	52.55	3	eP	P	06 59 22.2	+0.5
ULN	Ulaanbaatar	52.61	3	eP	P	06 59 22.4	+0.3
ULN	comp=Z,22nm,1.2s						
ULN	Ulaanbaatar	52.61	3	eP	P	06 59 22.4	+0.3
ULN							
MAJO	Matsushiro	52.70	36	eP	P	06 59 21.5	-1.3
MAJO	comp=Z,22nm,1.3s						

ABTX	Abilene, Hawle	145.20	35	P	PKPab	07 09 45.4	0.0
ABTX	Abilene, Hawle	145.20	35	ePKPbc	PKPdf	07 09 45.7	+0.1
M41W	Mountain View	145.22	21	P	PKPbc	07 09 44.7	-0.5
MCWV	Mont Chateau	145.25	4	P	PKPbc	07 09 45.1	-0.1
MCWV	Mont Chateau	145.25	4	ePKPbc	PKPab	07 09 45.4	0.0
Q43A	Aurora	145.21	11	P	PKPbc	07 09 44.7	-0.5
S49A	Fulton Ridge	145.31	18	P	PKPbc	07 09 44.6	-0.9
U40A	Yellville	145.42	23	P	PKPdf	07 09 45.4	-0.4
SIUC	Southern Illin	145.44	17	ePKPbc	PKPdf	07 09 45.7	-0.1
R46A	Gibson Southern	145.44	15	P	PKPdf	07 09 45.4	-0.4
S44A	Carbondale	145.44	17	P	PKPdf	07 09 45.7	-0.1
T42A	Van Buren	145.46	20	P	PKPdf	07 09 45.5	-0.3
Q2TA	Van Buren	145.46	20	ePKPbc	PKPdf	07 09 45.5	-0.3
T42A	Peebles	145.49	9	P	PKPdf	07 09 45.4	-0.5
V39A	Pettigrew	145.55	24	P	PKPdf	07 09 45.6	-0.6
Q50A	Georgetown	145.57	10	P	PKPdf	07 09 45.4	-0.6
SDMD	Soldier S Dell	145.59	360	ePKPdf	PKPdf	07 09 46.1	+0.1
R47A	Wooly Knot Far	145.59	13	P	PKPdf	07 09 45.9	-0.2
USIN	University of	145.63	15	ePKPdf	PKPab	07 09 46.6	-0.1
R48A	Northridge Ran	145.64	12	P	PKPab	07 09 46.2	+0.1
S45A	Carrier Mills	145.65	16	P	PKPdf	07 09 46.3	+0.1
T43A	Greenville	145.68	19	P	PKPdf	07 09 46.0	-0.3
W3C	Wyandotte Cave	145.71	13	P	PKPdf	07 09 46.4	+0.1
WCI	Wyandotte Cave	145.71	13	ePKPdf	PKPbc	07 09 46.6	-0.1
WCI	Wyandotte Cave	145.71	13	ePKIKP	PKPbc	07 09 46.6	-0.1
U41A	Viola	145.78	22	P	PKPdf	07 09 46.5	-0.1
S46A	Don Dixon Farm	145.88	15	P	PKPdf	07 09 46.6	0.0
R49A	Shelbyville	145.89	12	P	PKPdf	07 09 46.7	+0.1
T44A	Benton	145.90	18	P	PKPdf	07 09 46.7	+0.1
PBMO	Poplar Bluff	145.91	19	ePKPdf	PKPdf	07 09 46.8	+0.1
V40A	Witts Springs	145.91	23	ePKPdf	PKPdf	07 09 46.8	0.0
V40A	Witts Springs	145.91	23	ePKPdf	PKPdf	07 09 46.6	-0.2
U42A	Reverend	146.02	21	P	PKPdf	07 09 47.2	+0.4
W39A	Magazine	146.05	25	P	PKPdf	07 09 47.0	0.0
W39A	Magazine	146.05	25	ePKPdf	PKPbc	07 09 47.7	-0.1
R50A	Paris	146.06	10	P	PKPdf	07 09 46.8	-0.1
RS1A	Hillsboro	146.17	9	P	PKPdf	07 09 47.1	0.0
S47A	Hardford	146.18	14	P	PKPdf	07 09 47.2	+0.1
V41A	Mountainview	146.19	22	P	PKPdf	07 09 47.4	+0.2
PARMO	Parma	146.24	19	ePKPdf	PKPdf	07 09 46.9	-0.3
T45A	Paduach	146.25	17	P	PKPbc	07 09 47.8	-0.5
T45A	Paduach	146.25	17	ePKPdf	PKPdf	07 09 46.6	-0.6
RS2A	Cattlettsburg	146.27	8	P	PKPdf	07 09 47.7	+0.5
U43A	Rector	146.29	20	P	PKPdf	07 09 47.7	+0.4
S48A	Wiedeman Farm	146.31	13	P	PKPbc	07 09 48.1	-0.5
W40A	Ferguson Farm	146.35	24	P	PKPbc	07 09 48.3	-0.4
W40A	Ferguson Farm	146.35	24	ePKPdf	PKPdf	07 09 47.9	+0.5
S49A	Springfield	146.35	12	P	PKPbc	07 09 48.7	+0.1
T46A	Princeton	146.44	16	P	PKPbc	07 09 48.6	-0.3
V42A	Cord	146.46	21	P	PKPbc	07 09 48.4	-0.6
X39A	Fountain Ranch	146.49	26	P	PKPbc	07 09 49.2	0.0
WHAR	Woolly Hollow	146.57	23	ePKPdf	PKPbc	07 09 49.1	-0.3
S50A	Richmond	146.63	11	P	PKPbc	07 09 49.4	0.0
JCT	Junction City	146.66	37	P	PKPbc	07 09 50.0	+0.2
JCT	Junction City	146.66	37	ePKPdf	PKPbc	07 09 49.1	-0.7
JCT	Junction City	146.66	37	ePKP2	PKPbc	07 09 49.1	-0.7
U44B	Burton Farm, H	146.68	18	P	PKPbc	07 09 49.5	-0.1
MIAR	Mount Ida	146.69	25	P	PKPbc	07 09 49.5	-0.2
MIAR	Mount Ida	146.69	25	ePKP2	PKPbc	07 09 49.1	-0.7
MIAR	Mount Ida	146.69	25	ePKP2	PKPbc	07 09 49.1	-0.7
W41B	Gary Mavity, V	146.69	23	P	PKPbc	07 09 49.1	-0.6
W41B	Gary Mavity, V	146.69	23	ePKP2	PKPbc	07 09 49.5	-0.2
T47A	Sharon Grove	146.70	15	P	PKPbc	07 09 49.1	-0.6
T47A	Sharon Grove	146.70	15	ePKP2	PKPbc	07 09 49.4	-0.3
T48A	Gowling Green	146.74	14	P	PKPbc	07 09 49.6	-0.3
V43A	Jonesboro	146.78	20	P	PKPbc	07 09 49.5	-0.4
CBN	Corbin Frederi	146.79	1	P	PKPbc	07 09 49.6	-0.3
CBN	Corbin Frederi	146.79	1	ePKP2	PKPbc	07 09 49.4	-0.5
S51A	Beattyville	146.81	10	P	PKPbc	07 09 49.3	-0.7
S51A	Beattyville	146.81	10	ePKP2	PKPbc	07 09 49.3	-0.7
U45A	Rockin P Farm	146.84	18	P	PKPbc	07 09 49.8	-0.3
S52A	Salyersville	146.85	9	P	PKPbc	07 09 49.6	-0.5
WHTX	Lake Whitney, W	146.89	33	P	PKPbc	07 09 49.6	-0.8
CVRD	Centerville Ro	146.92	1	ePKP2	PKPbc	07 09 49.6	-0.7
T49A	Edmonton	146.96	13	P	PKPbc	07 09 49.4	-1.0
T49A	Edmonton	146.96	13	ePKP2	PKPbc	07 09 49.8	-0.7
UALR	University of	147.00	24	ePKP2	PKPbc	07 09 48.0	-0.6
X40A	Basin Creek Fa	147.05	24	P	PKPbc	07 09 50.2	-0.6
U41A	Clarksville	147.16	15	P	PKPbc	07 09 50.7	-0.3
U41A	Kaden, Bauxite	147.18	24	P	PKPbc	07 09 50.3	-0.8
T50A	Nancy	147.18	12	P	PKPbc	07 09 50.1	-1.0
V40A	Okolona	147.28	26	P	PKPbc	07 09 50.9	-0.5
U48A	Cassie Pea, Po	147.29	14	P	PKPbc	07 09 50.8	-0.6
WVT	Waverly	147.31	16	P	PKPbc	07 09 51.0	-0.4
WVT	Waverly	147.31	16	ePKP2	PKPbc	07 09 50.3	-1.1
V45A	Humboldt	147.34	18	P	PKPbc	07 09 50.9	-0.6
W43A	Forest City	147.35	21	P	PKPbc	07 09 51.0	-0.6
T51A	Gray	147.41	10	P	PKPbc	07 09 51.0	-0.7
T52A	Hallie	147.43	9	P	PKPbc	07 09 51.1	-0.7
U49A	Red Boiling Sp	147.47	13	P	PKPbc	07 09 51.3	-0.6
X42A	Stuttard	147.48	23	P	PKPbc	07 09 51.2	-0.7
V46A	Holladay	147.54	17	P	PKPbc	07 09 51.5	-0.6
BLA	Blackburg	147.64	5	P	PKPbc	07 09 51.8	-0.5
Y41A	Eaglette Beard	147.65	25	P	PKPbc	07 09 52.3	-0.2
V47A	Nunnely	147.68	16	P	PKPbc	07 09 52.0	-0.5
435B	Jarrell	147.73	35	P	PKPbc	07 09 52.7	0.0
435B	Jarrell	147.73	35	ePKP2	PKPdf	07 09 50.5	+0.6

U50A	Jamestown	147.77	12	P	PKPbc	07 09 52.1	-0.6
X43A	Marvell	147.79	22	P	PKPbc	07 09 52.6	-0.2
W45A	Hickory Valley	147.80	19	P	PKPbc	07 09 52.0	-0.7
Z40A	Long Farm, Mag	147.86	26	P	PKPbc	07 09 53.0	0.0
TZTN	Tazewell	147.89	10	P	PKPbc	07 09 52.5	-0.5
TZTN	Tazewell	147.89	10	ePKPbc	PKPbc	07 09 52.6	-0.5
V48A	Smith Brothers	147.95	15	P	PKPbc	07 09 52.5	-0.7
V48A	Smith Brothers	147.95	15	ePKPbc	PKPbc	07 09 52.7	-0.5
U51A	La Follette	147.96	11	P	PKPbc	07 09 52.1	-1.1
Y42A	Garnett, Star	148.05	24	P	PKPbc	07 09 53.2	-0.3
U52A	Thorn Hill	148.06	10	P	PKPbc	07 09 53.0	-0.5
X44A	Crenshaw	148.07	21	P	PKPbc	07 09 53.3	-0.2
Z41A	Richland Creek	148.12	26	P	PKPbc	07 09 53.7	0.0
Z41A	Richland Creek	148.12	26	ePKPbc	PKPbc	07 09 52.6	-1.1
V49A	McMinville	148.15	14	P	PKPbc	07 09 52.9	-0.8
W47A	Westport	148.20	17	P	PKPbc	07 09 53.3	-0.6
U53A	Fall Branch	148.22	9	P	PKPbc	07 09 53.0	-0.9
PLAL	Pickwick Lake	148.31	17	ePKPbc	PKPbc	07 09 53.4	-0.8
Y43A	Malvern and Ka	148.31	22	P	PKPbc	07 09 53.8	-0.3
OXF	Oxford	148.32	20	P	PKPbc	07 09 53.5	-0.6
OXF	Oxford	148.32	20	ePKPbc	PKPbc	07 09 54.0	-0.2
OXF	Oxford	148.32	20	ePKP2	PKPbc	07 09 54.0	-0.2
X45A	UM Field Stati	148.40	20	P	PKPbc	07 09 53.8	-0.6
833A	Chaparral WMA,	148.42	40	P	PKPbc	07 09 55.0	+0.4
833A	Chaparral WMA,	148.42	40	ePKP2	PKPbc	07 09 49.0	-2.1
V50A	Pikeville	148.43	13	P	PKPbc	07 09 53.7	-0.7
V51A	Loudon	148.46	11	P	PKPbc	07 09 53.9	-0.6
V51A	Loudon	148.46	11	ePKPbc	PKPbc	07 09 54.2	-0.3
132A	Norrel Spur, H	148.47	24	P	PKPbc	07 09 54.5	-0.1
W48A	Pulaski	148.49	16	P	PKPbc	07 09 53.8	-0.9
NATX	Nacogdoches	148.52	30	P	PKPbc	07 09 54.6	-0.2
NATX	Nacogdoches	148.52	30	ePKP2	PKPbc	07 09 52.9	+1.7
Y44A	Strider, Charl	148.54	21	P	PKPbc	07 09 54.6	-0.1
X46A	Booneville	148.55	19	P	PKPbc	07 09 54.0	-0.8
V52A	Sevierville	148.56	10	P	PKPbc	07 09 54.5	-0.3
V52A	Sevierville	148.56	10	ePKPbc	PKPbc	07 09 54.6	-0.3
141A	Papa Simpson,	148.64	26	P	PKPbc	07 09 54.9	-0.1
SWET	Swanee	148.67	14	ePKPbc	PKPbc	07 09 54.6	-0.5
W49A	Beltzville	148.68	15	P	PKPbc	07 09 54.5	-0.6
TKL	Tuckaleechee C	148.71	11	ePKPbc	PKPbc	07 09 54.8	-0.4
TKL	Tuckaleechee C	148.71	11	ePKPbc	PKPbc	07 09 54.9	-0.3
TKL	Tuckaleechee C	148.71	11	ePKP2	PKPbc	07 09 54.9	-0.3
240A	Hunter Patters	148.72	28	P	PKPbc	07 09 55.4	+0.1
CPTC	Cooper Cave	148.76	12	ePKPbc	PKPbc	07 09 55.3	0.0
X47A	Russellville	148.81	17	P	PKPbc	07 09 54.4	-1.1
NCAT	North Carolina	148.81	4	ePKPbc	PKPbc	07 09 54.9	-0.5
W50A	Signal Mountai	148.83	13	P	PKPbc	07 09 54.9	-0.6
W50A	Signal Mountai	148.83	13	ePKPbc	PKPbc	07 09 55.1	-0.4
Y45A	Yeager Farm, C	148.86	20	P	PKPbc	07 09 55.3	-0.3
V53A	Saluda	148.86	9	P	PKPbc	07 09 55.4	-0.2
V53A	Saluda	148.86	9	ePKPbc	PKPbc	07 09 55.4	-0.2
W51A	Cleveland	148.99	12	P	PKPbc	07 09 55.6	-0.3
Z44A	Pea Ridge, Bel	149.07	22	P	PKPbc	07 09 55.9	-0.2
Y46A	Houston	149.08	19	P	PKPbc	07 09 55.6	-0.5
X48A	Hartselle	149.10	16	P	PKPbc	07 09 55.4	-0.8
X48A	Hartselle	149.10	16	ePKPbc	PKPbc	07 09 55.5	-0.8
214A	Mo Tay, Goldon	149.12	27	ePKPbc	PKPbc	07 09 56.0	-0.3
143A	Socs Landing,	149.19	24	P	PKPbc	07 09 56.4	0.0
W52A	Murphy	149.23	11	P	PKPbc	07 09 56.4	-0.2
W52A	Murphy	149.23	11	ePKPbc	PKPbc	07 09 56.5	0.0
X49A	Woodstock	149.24	15	P	PKPbc	07 09 56.1	-0.4
X53A	Cullowhee	149.29	10	P	PKPbc	07 09 56.8	-0.1
HKT	Hockley	149.34	33	ePKPbc	PKPbc	07 09 56.2	-0.6
HKT	Hockley	149.34	33	ePKP2	PKPbc	07 09 56.1	-0.6
Y47A	UCPARC, Winfie	149.38	18	P	PKP		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBA, SMOL, SMOL, VYHS, MOA, ABTA, KECS, CRVS, WTTA, WATA, MORC, MOTA, KHC, FETA, GOPC, PRU, DPC, etc.

GUC 31 08:10:01.7-0.8, 31.22Sx72.88W, h26km, 22km, ML3.6
ISC 31 08:09:49.0-5.4, 31.05S-0.06E-73.6W, 0.2, h10km, n17,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TLL, GO04, ROCH, LCO, PEL, CLCH, ANTU, FCH, AROD, RTLS, ACDV, LMEL, AMOG, RTCV, RTLL, AGUA, VCA, etc.

IDC 31 08:15:52.4-1.7, 7.00S-127.64E, h0km, mb3.5/2,
mb1 3.9/5, mb1mx3.6/49, mbtmp3.7/5, ML3.8/3, Error

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

DDA 31 08:26:14.1, 36.26N-28.94E, h7km, ML3.8
CSEM 31 08:26:14.3, 0.1, 36.21N-29.00E, h15km, ML3.0, Error

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FETY, KSL, AKAS, DALY, TURN, ARG, MRSB, ELL, YER, GOLH, DAT, KORT, KARP, BURDUR-Merkez, etc.

KARP comp=E,766um,0.6s
KARP comp=N,629um,0.6s

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

KURK 3.6m,0.7s
KURBB 4.9m,0.7s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURBB, MK31, MK31, MKAR, MKAR, etc.

MKAR 0.4m,0.3s,baz=26,slow=13,SNR=16
MKAR 0.1m,0.3s,baz=18,slow=29,SNR=4.5

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHOS, SZAC, MAMC, PRK, SIGR, etc.

MEX 31 09:15:56.5-0.5, 15.93N-98.68W, h15km, 14km, MD3.6,

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

ISCJB 31 09:18:32.6-0.9, 49.03N, 0.04-11.49E, 0.05, h0km, Error

ISC 31 09:18:34.5-0.6, 48.94N, 11.38E, h0km, mb1.8/7, ml2.5/11,

ISC 31 09:18:34.0-1.5, 49.03N, 0.06-11.44E, 0.05, h0km, n12,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RETA, WATA, MOTA, WTTA, DAVA, FETA, MOA, MOA, KBA, ABTA, BRG, CONA, ARSA, etc.

KRAR 31 09:24:10.5-0.3, 53.51N-87.30E, M2.3, Industrial

NNC 31 09:24:18.2-1.4, 53.46N-87.51E, h0km, mb3.4, mpv3.1,

IDC 31 09:24:16.8-2.8, 53.54N-87.68E, h0km, mb1 3.4/2,

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

0.3nm,0.5s,baz=117,slow=8.7,SNR=3.7

NEIC 31 10:27:28.4+0.0,39.01N,111.50W,h1km,mb3.9/1,MW3.9,ML3.7(SLC),Moment Tensor Solution. s67 Moment tensor: Scale 10^14Nm; Mrr=5.27; Mth=0.12; Mtt=5.39; Mno=0.58; Mto=0.48; Mtr=7.75; Best double couple: M=9.40000x10^14 NP=184.00000, d73.00000, l=90.00000, N2=6.00000, S1=7.00000, A=-59.00000. Principal axes: 9.52000,Plg28.0000; Azm27.0000; N -0.1600,Plg0.0000; Azm185.0000; P -9.3500,Plg62.0000; Azm94.0000; After SLC.

NEIC Felt at Farmington, Salina and Salt Lake City. IDC 31 10:27:29.0+0.8,39.08N,111.36W,h0km,mb3.6/1,mb1 3.7/7,mb1mx3.5/70,mbtmp3.5/7,ML2.6/6,MS2.6/6,MS1 3.2/6,ms1mx2.7/60,Error ellipse: s-maj=1.0,0km s-min=8.7km az=121.0

ISCJB 31 10:27:30.3+0.2,39.07N,111.46W,0.02,h10km,mb3.8/2,MS3.0/2,Error ellipse: s-maj=2.3km s-min=1.8km az=25.9

ISC 31 10:27:30.6+0.6,39.02N,111.44W,0.02,h10km,mb4.1/13,MS17/163,Utah

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

1.4nm,0.3s,baz=86,slow=15,SNR=14

Main table listing seismic stations (e.g., NVAR, H17A, YFT, etc.) with columns for station name, coordinates, phase ID, and time/resolution data.

KURBB Kurchatov Arra 68.56 333 P P 10 30 18.0

Table listing stations KURBB, PETK, BVAR, TORD, NVAR, TKL with their respective coordinates and parameters.

ISCJB 31 11:05:28.4+0.5,3.99N,107.127E,0.02,h71km,mb4.1/13,Error ellipse: s-maj=23.6km s-min=7.9km az=55.6

IDC 31 11:05:37.2+2.7,3.90N,127.96E,h144km,29km,mb3.8/13,mb1 3.9/14,mb1mx3.6/57,mbtmp4.2/14,Error ellipse: s-maj=31.0km s-min=11.3km az=79.0

ISC 31 11:05:30.3+0.7,4.0N,112.7E,0.02,h71km,n17,az=152.1,mb4.1/13,Talau Islands

Table listing stations SIJI, FITZ, WRA, ASAR, CMAR, KSRS, MJAR, STKA, USRK, H11S3, H11S1, H11S2, SONK, MKAR, KURBB, BVAR, ARCES with their respective coordinates and parameters.

MAN 31 11:18:34.2,8.48N,126.88E,h6km,mb3.6,ML2.3,MS1.7,1C,Mindanao

Table listing stations BIPH, BIFH, BUTAN, BUIP, MUSAN, BUKP with their respective coordinates and parameters.

GUC 31 11:20:50.1+0.6,19.65S,70.65W,h38km,2km,ML3.9, IDC 31 11:20:59.2+3.1,19.20S,70.17W,h102km,28km,mb3.8/4,mb1 3.7/6,mb1mx3.4/44,mbtmp4.1/6,MS3.0/5,MS1 3.0/5,ms1mx2.7/44,Error ellipse: s-maj=34.9km s-min=23.1km az=96.0

ISC 31 11:20:50.4+1.7,19.61S,70.60W,0.08,h26km,12km,n25,az=163.25,mb4.0/4,2C-5D,East coast of northern Chile

Table listing stations PSCG, PSIG, PB12, PB12, PB12, PB08, PB08, PB08, PB16, PB16, PB16, PB01, PB01, PB01, PB02, PB02, PB02, PB07, PB07, PB07, PB03, PB03, PB03, LPAZ, LPAZ, LPN, LNA, SIV, SIV, PLCA, PTGA, BDFB, RPN, ANMO, TORD, H11S2, H11S1, H11S3, H11N3, H11N2, H11N1, MKAR with their respective coordinates and parameters.

mb3.9/4, MS2.8/3, Error ellipse: s-maj=10.5km s-min=4.5km az=150.8 NEIC 31 11:24:13.5±1.0, 54.771N, 0°08:159.98W, 0°05, h33km, n39, i=137/33, mb3.9/4, MS2.9/3, South of Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like Sand Point, Dolgo Island, Pavlov Volcano, etc.

ISC 31 11:24:25.1±1.1, 3.79N, 92°51'E, h0km, mb3.9/9, mb1.4/0.12, mb1mx3.7/7.7, mbtmp3.9/12, ML4.0/3, MS3.0/5, Ms1.3/1.5, ms1mx2.7/7.8, Error ellipse: s-maj=35.5km s-min=17.4km az=44.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like Banda Aceh, Meulaboh, Sibang, etc.

BR101 Keskin Array S 64.09 313 eP P 11 34 59.7 -1.8 BRTR ARCESS Array B 64.09 313 P P 11 34 59.7 -1.8 GEOA GERESS Array S 79.93 319 eP P 11 36 35.6 -0.6 GERES GERESS Array B 79.93 319 P P 11 36 36.2 -0.1

SOME 31 11:27:41.8, 39.33N, 73.65E, h5km, IDC 31 11:27:45.6±0.9, 39.42N, 73.71E, h0km, mb3.7/9, mb1.3/4.14, mb1mx3.6/7.7, mbtmp3.7/14, ML3.2/4, MS2.4/2, Ms1.2/4.2, ms1mx2.1/7.6, Error ellipse: s-maj=18.1km s-min=11.4km az=114.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like Sufi-Kurigan, Sufi-Kurigan, Sufi-Kurigan, etc.

ISC 31 11:27:48.2±0.1, 39.66N, 73.74E, h0km, mb3.4, KRNET 31 11:27:48.2±0.1, 39.66N, 73.74E, mb3.4, ISC 31 11:27:48.2±0.1, 39.66N, 73.74E, h0km, n50, i=179/72, mb3.6/9, 24C-14D, Tajikistan-Xinjiang border

1.2nm, 0.5s, baz=106, slow=12, SNR=5.2 ARCES ARCESS Array B 39.00 335 P P 11 35 16.2 +1.9 HFS Hagfors 41.86 320 P P 11 35 39.5 +1.2 NB2 NORARS Subarra 43.1 321 P P 11 35 49.1 +0.7 NOA NORARS Array B 43.11 321 P P 11 35 48.7 +0.4 TORD Torodi Arr. Be 67.89 289 P P 11 38 45.2 -1.9 ILAR Eielson Array 71.06 17 P P 11 39 06.4 -0.1 WRA Warramunga Arr 82.00 124 P P 11 40 06.0 -2.1 ASAR Alice Springs 84.46 127 P P 11 40 19.4 -1.8

MAN 31 11:03:03.8, 5.858N, 126°32'E, h5km, mb4.4, ML3.2, MS3.0, 1C, Mindanao

JMA 31 11:47:11.1±1.0, 1.35387N, 140.46E, h33km, 1km, M0.7, Near east coast of eastern Honshu

IDC 31 11:50:50.6±0.6, 28.66N, 82°43'E, h0km, mb4.3/25, mb1.4/3.28, ms1mx2.7/7.7, mbtmp4.2/28, ML4.2/2, MS3.4/4, MS1.3/4.4, ms1mx2.7/7.7, Error ellipse: s-maj=15.8km s-min=12.7km az=35.0

ISCJB 31 11:50:52.0±0.8, 28.61N, 0°03:82'32E, 0.02, h24km, 6km, mb4.2/38, MS3.4/4, Error ellipse: s-maj=5.0km s-min=3.1km az=29.6

NEIC 31 11:50:56.3±0.3, 28.74N, 82°46'E, h10km, mb4.5/15, Error ellipse: s-maj=6.3km s-min=4.1km az=214.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like Piuthan, Dangsing, Koldanda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAKZ Makanchi Array, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CM01 Chiang Mai Arr, etc.

IDC 31 11:56:46.2-4.2, 18.05N-147.42E, h0km, mb3.7/3, mb1 4.0/3, mb1mx3.3/78, mbtmp3.7/3, Error ellipse: s-maj=307.8km s-min=31.4km az=122.0, Mariana Islands 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, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PYUN Piuthan, DANN Dangsing, KOLD Koldanda, GKN Gorkha, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBZ Khabab, KS15 Wonju Array Si, KSAR Wonju Array Si, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GERES GERESS Array B, SEY Seymchan, SEY Seymchan, NB2 NORSAR Subarra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 31 12:03:35.6-0.0, 64.38N-161.19W, h20km, ML2.8(AE)(C), After AEIC, Northern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 31 12:05:09.5-1.2, 26.70N-82.34E, h0km, mb3.7/7, mb1 3.5/2, ms1mx2.5/64, Error ellipse: s-maj=30.8km s-min=24.1km az=64.0, Nepal

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 31 12:27:49.5-1.9, 17.84S-167.43E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.6/51, mbtmp3.7/4, ML3.2/1, MS3.0/1, Ms1 3.0/1, ms1mx2.3/43, Error ellipse: s-maj=55.6km s-min=32.6km az=131.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 31 12:30:25.0, 10.08N-123.16E, h1km, mb4.4, ML3.2, MS3.0, Cebu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 31 12:50:39.4-1.6, 9.10S-157.95E, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.5/44, mbtmp3.7/3, Error ellipse: s-maj=50.3km s-min=26.7km az=171.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MHGZ Mahia Peninsula, PRZR Plateau Road, OUZ Omahuta, RAHZ Araihi, ALRZ Arlen Road, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FIA1 FINESS Array S, FIA0 FINESS Array S, FINE5 FINESS Array B, etc.

IDC 31 13:53:06.5:410.0,46.30N,46.15E, h0km, Error ellipse: s-maj=178.9km s-min=139.8km az=171.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASO1.1, I26DE FREYJUNG INFRAS21.94, etc.

NNC 31 13:56:17.3:15.0,36.94N-70.73E, h0km, mb3.7, mpv3.4, 2C-3D, Error ellipse: s-maj=116.4km s-min=98.2km az=167.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, SFK 4.0nm,0.3s, MNAS Manas, MNAS 2.5nm,0.7s, etc.

DJA 31 13:59:17.1:1.0,10.10S,4.11E, h17km,6km, M4.3/12, MLV4.3/12, South of Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PCJ1 Pacitan, UGM Wanagama, WOJI Wonogiri, etc.

IDC 31 14:00:02.1:1.8,9.93S-110.40E, h0km, mb3.9/6, mb1.4/0.6, mb1mx3.6/5.6, mb1mp3.9/6, MS2.8/3, Ms1 2.8/3, ms1mx2.5/4, Error ellipse: s-maj=67.5km s-min=22.7km az=50, South of Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LEM Lembang, PSI Prapat, SIJI Sorong, WRA Warramunga Arr, etc.

IDC 31 14:00:36.2:3.5,12.52S-116.75E, h0km, mb4.0/1, mb1.3/7.3, mb1mx3.3/5.4, mb1mp3.5/3, ML2.9/2, Error ellipse: s-maj=122.2km s-min=30.5km az=51.0, South of Sumbawa

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

MEX 31 14:02:00.7:0.7,18.12N-100.67W, h47km,6km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARIC Puente Sto Nin, ZILG Zihuatanejo, MEIG Mezcala, etc.

KRNET 31 14:05:05.6:1.0,40.33N,75.03E, h30km, mb3.4, NNC 31 14:05:06.6:1.0,40.47N,74.89E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=11.4km s-min=3.3km az=133.0

SOME 31 14:05:06.0:40.52N,74.97E, h0km, ISCB 31 14:05:09.0:8.40,45N,10.05,74.79E, h0km, Error ellipse: s-maj=7.8km s-min=4.5km az=138.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, SFK 14nm,0.5s, SFK 30nm,0.4s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SFK baz=56, KZA Kyzart, KZA Kyzart, KZA Kyzart, etc.

NNC 31 14:07:57.9:1.8,38.77N,70.25E, h0km, mb3.8, mpv3.4, 5C-4D, Error ellipse: s-maj=14.0km s-min=10.1km az=44.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like VAY Valandovo, SRS Serrai, PPH Peshkopia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ARCES ARCES Array B, TORD Torodi Ar. Bea, KURBB Kurchatov Arra, etc.

IDC 31 15:23:16.8:52.0,16:53S-178:18W,h0km,mb3.8/3, mb1 4.0/3,mb1mx3.6/50,mtmp3.8/3, Error ellipse: s-maj=95.44km s-min=169.1km az=77.0,Fiji Islands region

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

NIED 31 15:27:00,39:60N,143:30E,h23km,Mw3.7 Best double couple: M=4.35000*10^14 NP1=192.00000*1.77.00000* NP2=26.00000*0.872.00000*1.95.00000*

ISCJB 31 15:27:17.5:0.7,39:59N,143:30E,0.05:143:40E:0.07,h11km, mb3.6/10,MS3.0/2, Error ellipse: s-maj=8.5km s-min=6.3km az=136.5

IDC 31 15:27:17.2:1.4,39:59N:143:39E,h0km,mb3.7/10, mb1 3.7/12,mb1mx3.5/71,mtmp3.7/12,ML3.3/2,MS2.9/4, Ms1 2.9/4,ms1mx2.4/69, Error ellipse: s-maj=34.8km s-min=19.5km az=90.0

JMA 31 15:27:19.2:2.3,39:59N:143:33E,h23km,3km,M3.7 WMGZ Waioomatatini S 1.59 122 P S 15 27 19.2 +0.2

ISC 31 15:27:19.4:1.0,39:57N:0:06:143:32E:0:08,h11km,n34, c=1844/32,mb3.7/10, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like JTH Tanohata, JTK Miyokanogasawa, JMW JANG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like JMK Ichinoseki, JMO Ouri, JTM Tenmabayashi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like JYK Kaneyama, JOT JOT, ASAJ Ashikawa, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SEY Seymchan, SONM Songino Array, SONM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H1N3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H1S2 WAKE ISLAND Hy, ZALV Zalesovo Beam, CMAR Chiang Mai Arr, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like NOA NORARS Array B, WEL 31 15:35:39.6:0.8,6:12S:0:07:127:7E:0:1,h408km, mb3.2/2, Error ellipse: s-maj=14.1km s-min=8.9km

IDC 31 15:35:41.8:3.0,6:28S:127:48E,h408km,32km,mb2.9/2, s-maj=48.3km s-min=13.5km az=64.0

ISC 31 15:35:40.2:1.0,6:13S:0:09:127:7E:0:1,h408km,n6, c=2559/9,Banda Sea

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

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

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

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

NEIC 31 15:36:45.3:0.0,3:07:304S:176:74E,h289km,ML4.3(WEL), After WEL

WEL 31 15:36:42.8:37:5:6:177E:,h316km,gkm, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like RUGZ Raukumara Rang, RUGZ Raukumara Rang, MKAZ Moutmakai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like RRZR Republican Roa, HSRZ Hossack Road, HSRZ Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PKGZ Pakihoro, ETAZ East Tamaki Re, HRRZ Handcock Road, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like HRRZ Galatos Road, KBAZ Karaka Road Bo, MUGZ Murupara, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PRRZ Plateau Road, PRRZ Plateau Road, TWGZ Tauwhareparea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WPRZ Whakapaparae, WPRZ Whakapaparae, ALRZ Allen Road, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ALRZ Allen Road, WMGZ Waioomatatini S, WMGZ Waioomatatini S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WMGZ Waioomatatini S, RAGZ Rawiri, RAGZ Rawiri, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like RAGZ Rawiri, RTZ Ruatuhia, PUZ Puketiti, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PUZ Puketiti, AWAZ Awahitu Peninsula, TKGZ Te Karaka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like TKGZ Te Karaka, THGZ Whakaoara, MHZ Hauhi, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SHGZ Shannon Station, MTHZ Maungataniwha, CRGZ Carnagh Station, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like RAHZ Arahui, HATZ Hinemaiaia, RITZ Rangitukia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like RITZ Rangitukia, RITZ Rihia Road, NMHZ Naumai, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WHZ Hauhi, PRGZ Paritua Road, PRGZ Paritua Road, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PRGZ Paritua Road, KNZ Kokohu, KNZ Kokohu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KNZ Kokohu, BKZ Black Stump Fm, BKZ Black Stump Fm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BKZ Black Stump Fm, WKZ Waipua Caves, KRZ Kawarere, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ARHZ Aroapanui, WTVZ West Tongariro, WTVZ Taurewa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WTVZ Taurewa, OUVZ Otuairewa, NGZ Ngauruhoe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like NGZ Ngauruhoe, NGZ Ngauruhoe, MHGZ Mahia Peninsula, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MHGZ Mahia Peninsula, CHGZ Chateau Observ, TUWZ Tukino, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like TUWZ Tukino, FWVZ Far West T-bar, FWVZ Far West T-bar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like FWVZ Far West T-bar, KWHZ Kaweka Forest, MCHZ McNeill Hill, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MCHZ McNeill Hill, WHVZ Whangaehu Hut, WHVZ Whangaehu Hut, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Cannon Point, D'Urville Isla, Traveller, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Fak Fak, Mantion Dam, Maumere, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BNGB Bing'li, BINT Bincal, SVRC Sivrice-ELAZID, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SJA 31 15:43:22.8,0.3, 2.01W, h10km, ML3.2, MW3.0, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KSP Ksiadz, KSP Ksiadz, UPC Upec, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SYO Syowa Base, SYO Syowa Base, SUR Sutherland, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ROCH El Roble, PEL Peldehue, CLCH Cerro Calan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KRLC Kraikly, BRG Berggiesshubel, GOP Gop Peeny, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, BOSA Boshof, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AUP Spallata, RTLS Leoncito, ARCO CERRO ARCO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CLL Colim, NOV Novy Kostel, KHC Kasperske Hory, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TOR Torodi Arr, TOA1 Torodi Arr, KOWA Kowa, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SUI Sorong, WRA Warramunga Arr, WRA Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SIRT Siirak, SIRT S-rnak, SIRT S-rnak, etc.

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

ISCJB 31 16:03:28.9,0.5, 6.49S, 0.07:131.5E, 0.2, h10km, mb4.5, MS2.3/1, Error ellipse: s-maj=23.6km s-min=7.2km az=164.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, HIA Hailar, BRVK Borovy, etc.

NEIC 31 17:28:34.6, 1.0, 41.01N:112.55W, h0km, ML 1.4, Error ellipse: s-maj=16.8km s-min=12.6km az=90.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DUG Dugway, HLD Hailey, PDAR Pinedale Array, etc.

ISC 31 17:42:20.9, 5.2, 4.45N:128.52E, h166km, 86km, mb3.2/4, mb1 3.5/5, mb1mx3.0/5, mbtmp3.7/5, Error ellipse: s-maj=347.3km s-min=19.2km az=70.0, North of Halmahera

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

ISCJB 31 18:00:04.0, 8.0, 6.52:73S:0:08:18.4E:0:2, h10km, mb4.4/12, MS3.6/13, Error ellipse: s-maj=20.1km s-min=11.5km az=176.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SUR Sutherland, SNAA Snares, BOSA Boshof, etc.

ISC 31 18:04:40.5, 0.6, 24.99N:135.18E, h0km, mb4.1/18, mb1 4.2/22, mb1mx4.0/72, mbtmp4.1/22, ML3.7/3, MS3.0/7, Ms1 3.0/7, ms1mx2.7/62, Error ellipse: s-maj=27.6km s-min=13.7km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOW Kunigami, JOW Kunigami, CBJ Chichi jima, etc.

ISC 31 18:04:46.0, 0.7, 24.94N:135.12E, h38km, 6km, mb4.7/14, Error ellipse: s-maj=7.9km s-min=5.3km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOW Kunigami, JOW Kunigami, CBJ Chichi jima, etc.

ISC 31 18:00:04.5, 1.0, 52.86S:18.52E, h0km, mb4.0/5, mb1 4.0/5, mb1mx3.7/52, mbtmp4.0/5, MS3.6/13, Ms1 3.6/13, ms1mx3.4/49, Error ellipse: s-maj=51.1km s-min=23.1km az=77.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

NIED 31 18:44:00.38:90N:142:00E, h53km, Mw3.7 Best double couple: Ms3.4700x1014 NP1:~80.180,00000; ~828.00000; ~1.72.00000; NP2:~20.00000; ~863.00000; ~899.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMA Felt J1, JMA Felt J1, JMA Felt J1, etc.

NEIC 31 18:44:52.0, 0.8, 38.88N:142.29E, h71km, 6km, mb4.4/4, Error ellipse: s-maj=10.9km s-min=6.8km az=110.0

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

ISC 31 18:44:50.7, 1.5, 38.86N:105.042:2E:0:1, h47km, n45, ~1:57/48, mb3.8/11, Near east coast of eastern Honshu

Table with columns: MWZ, PKGZ, MXZ, RAGZ, TWGZ, RTZ, etc. Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Matakaoa Point, Matakaoa Point, Matakaoa Point, etc.

Table with columns: LTX, TXAR, AAM, X43A, CPCT, Z50A, etc. Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Lajitas, Lajitas Array, Ann Arbor, etc.

Table with columns: NKC, KBA, KBA, KBA, CPCT, Z50A, etc. Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Novy Kostel, Koelnbreinsper, etc.

IDC 31 20:46:21.6+3.8, 7.79S, 67.51E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.4/70, mbtmp3.7/5, MS3.3/3, Ms1mx3.2/73, Error ellipse: s-maj=104.3km s-min=34.6km az=64.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H08N3, H08N2, H08N1, etc.

JMA 31 21:20:10.8+0.4, 43.94N, 148.04E, h0km, M3.5 SKHL 31 21:20:10.6+0.8, 44.34N, 148.38E, h49km, 3km, mb4.2/5

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

IDC 31 20:40:23.8+2.3, 46.28N, 154.44E, h0km, mb3.9/9, mb1 4.0/11, mb1mx3.6/76, mbtmp3.9/11, Error ellipse: s-maj=59.1km s-min=22.8km az=173.0

ISCJB 31 20:40:25.4+0.8, 46.4N, 0.1x154.4E, h20km, mb4.4/12, Error ellipse: s-maj=18.6km s-min=7.7km az=147.5

NEIC 31 20:40:28.8+0.8, 46.36N, 154.47E, h32km, 5km, mb4.9/2, Error ellipse: s-maj=15.1km s-min=6.1km az=151.0

ISC 31 20:40:27.6+1.0, 46.4N, 0.2x154.4E, h20km, n33, s=1945/32, mb4.2/12, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PEAOB, PETK, PETK, etc.

UPC Upec, comp=Z, 1.3nm, 0.4s

UPC Upec, 13nm, 0.4s

UPC Upec, 13nm, 0.4s

UPC Upec, 13nm, 0.4s

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

DDA 31 21:43:23.6, 38.58N, 43.09E, h7km, M2.5 ISK 31 21:43:23.5, 38.60N, 43.15E, h17km, 3km, M2.0/4

CSEM 31 21:43:24.3+0.3, 38.62N, 43.15E, h15km, M2.0, Error ellipse: s-maj=5.9km s-min=4.9km az=139.0

ISCJB 31 21:43:25.0+0.5, 38.64N, 0.03x43.13E, h5km, 8km, Error ellipse: s-maj=5.0km s-min=4.6km az=178.1

ISC 31 21:43:24.7+1.0, 38.64N, 0.03x43.17E, h15km, 8km, n21, 0.83/38, Turkey

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

Table with columns: Code, Station Name, Az, El, S, P, G, Res. Includes stations like GURO Hanur-Agry, HAKT HAKKARI, SRMT Siirt_Merkez.

IDC 31 21:58:10.3±1.3, 20.92N:121.77E, h0km, mb3.6/6, mb1 3.7/7, mb1mx3.4/61, mbrtmp3.6/7, ML2.6/1, MS3.0/9, Ms1 3.1/9, ms1mx2.8/60, Error ellipse: s-maj=71.9km s-min=20.7km az=68.0

ISCJB 31 21:58:13.3±0.8, 20.9N:0.1±1.21E, 0.2, h33km, mb3.5/6, MS3.1/6, Error ellipse: s-maj=33.1km s-min=14.2km az=165.4

ISC 31 21:58:15.1±1.2, 21.0N:0.2±1.21E, 0.3, h35km, n20, mb3.6/7, MS3.1/6, Philippine islands region

Main table for 31d 22h section, listing station codes, names, coordinates, and residuals for various stations like DAVO, JNU, KARS, etc.

DDA 31 21:58:35.9, 38.66N:43.09E, h21km, ML3.9

ISC 31 21:58:35.5, 38.68N:43.03E, h5km, ML3.5/22

IDC 31 21:58:35.9±1.9, 38.79N:43.19E, h0km, mb3.5/3, mb1 3.3/5, mb1mx3.1/57, mbrtmp3.3/5, ML2.3/2, MS3.0/3, Ms1 3.0/3, ms1mx2.4/50, Error ellipse: s-maj=35.2km s-min=17.1km az=167.0

CSEM 31 21:58:36.8±0.3, 38.66N:43.07E, h10km, ML3.5, Error ellipse: s-maj=9.3km s-min=2.2km az=156.0

ISCJB 31 21:58:36.1±0.4, 38.64N:0.02±43.11E, 0.02, h6km, 3km, mb3.2/3, MS3.6/1, Error ellipse: s-maj=3.5km s-min=2.1km az=158.2

AZER 31 21:58:39.2±1.3, 38.59N:43.15E, h21km, ML3.5/21, Error ellipse: s-maj=13.8km s-min=7.3km az=63.0

ISC 31 21:58:36.8±0.9, 38.66N:0.02±43.05E, 0.02, h15km, 6km, n149, c1925/206, mb3.3/2, 21C-30D, Turkey

Main table for 31d 22h section, listing station codes, names, coordinates, and residuals for various stations like VANB Van, ADCV Adilcev, etc.

Table with columns: Code, Station Name, Az, El, S, P, G, Res. Includes stations like BTMM Batman, TABS TABSURUN-IGDIR, etc.

IDC 31 21:58:35.9, 38.66N:43.09E, h21km, ML3.9

ISC 31 21:58:35.5, 38.68N:43.03E, h5km, ML3.5/22

IDC 31 21:58:35.9±1.9, 38.79N:43.19E, h0km, mb3.5/3, mb1 3.3/5, mb1mx3.1/57, mbrtmp3.3/5, ML2.3/2, MS3.0/3, Ms1 3.0/3, ms1mx2.4/50, Error ellipse: s-maj=35.2km s-min=17.1km az=167.0

CSEM 31 21:58:36.8±0.3, 38.66N:43.07E, h10km, ML3.5, Error ellipse: s-maj=9.3km s-min=2.2km az=156.0

ISCJB 31 21:58:36.1±0.4, 38.64N:0.02±43.11E, 0.02, h6km, 3km, mb3.2/3, MS3.6/1, Error ellipse: s-maj=3.5km s-min=2.1km az=158.2

AZER 31 21:58:39.2±1.3, 38.59N:43.15E, h21km, ML3.5/21, Error ellipse: s-maj=13.8km s-min=7.3km az=63.0

ISC 31 21:58:36.8±0.9, 38.66N:0.02±43.05E, 0.02, h15km, 6km, n149, c1925/206, mb3.3/2, 21C-30D, Turkey

Main table for 2012 JUL section, listing station codes, names, coordinates, and residuals for various stations like VANB Van, ADCV Adilcev, etc.

Table with columns: Code, Station Name, Az, El, S, P, G, Res. Includes stations like DBIC Dimpboko, KRSR Kora Array, etc.

ISK 31 22:00:42.5, 38.65N:43.03E, h13km, 3km, ML2.5/2

DDA 31 22:00:43.7, 38.66N:43.09E, h7km, ML3.0

CSEM 31 22:00:43.0±0.2, 38.67N:43.02E, h10km, ML2.5, Error ellipse: s-maj=4.0km s-min=3.7km az=163.0

ISC 31 22:00:43.2±1.1, 38.66N:0.03±43.03E, 0.03, h14km, 12km, n16, c0939/32, Turkey

Table with columns: Code, Station Name, Az, El, S, P, G, Res. Includes stations like ADCV Adilcev, VANB Van, etc.

ISK 31 22:01:44.6, 38.68N:43.04E, h15km, 1km, ML2.2/3

ISCJB 31 22:01:45.6±0.6, 38.68N:0.04±43.03E, 0.05, h13km, 6km, Error ellipse: s-maj=7.3km s-min=5.1km az=39.9

CSEM 31 22:01:45.4±0.2, 38.68N:43.03E, h10km, ML2.2, Error ellipse: s-maj=4.3km s-min=4.3km az=85.0

DDA 31 22:01:45.6, 38.67N:43.08E, h7km, ML2.6

ISC 31 22:01:44.9±1.6, 38.67N:0.03±43.05E, 0.03, h16km, 13km, n17, c05931/1, Turkey

Main table for 2012 JUL section, listing station codes, names, coordinates, and residuals for various stations like VANB Van, ADCV Adilcev, etc.

ISK 31 22:02:18.5, 38.69N:43.04E, h5km, ML2.3/3

DDA 31 22:02:19.7, 38.67N:43.07E, h7km, ML2.9

CSEM 31 22:02:19.4±0.3, 38.69N:43.03E, h5km, ML2.2, Error ellipse: s-maj=5.4km s-min=5.3km az=57.0

ISC 31 22:02:19.1±1.1, 38.67N:0.03±43.04E, 0.03, h16km, 11km, n16, c0402/7, Turkey

Main table for 2012 JUL section, listing station codes, names, coordinates, and residuals for various stations like ADCV Adilcev, VANB Van, etc.

ISK 31 22:03:26.3, 38.68N:43.06E, h20km, 1km, ML2.4/4

ISCJB 31 22:03:27.0±0.6, 38.65N:0.04±43.03E, 0.05, h14km, 6km, Error ellipse: s-maj=7.3km s-min=5.2km az=39.3

DDA 31 22:03:27.2, 38.67N:43.09E, h7km, ML2.7

CSEM 31 22:03:27.2±0.2, 38.67N:43.04E, h10km, ML2.4, Error ellipse: s-maj=7.7km s-min=5.5km az=160.0

ISC 31 22:03:26.9±1.1, 38.67N:0.03±43.05E, 0.03, h10km, 14km, n18, c0323/2, Turkey

Main table for 2012 JUL section, listing station codes, names, coordinates, and residuals for various stations like VANB Van, ADCV Adilcev, etc.

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

ISC JB 22:04:55.5, 38.68N, 43.04E, h10km, 5km, ML2.3/3
ISC JB 22:04:56.7, 0.5, 38.70N, 0.03, 43.05E, 0.04, h8km, 6km,
Error ellipse: s-maj=5.0km s-min=4.5km az=138.3

CSEM 31 22:04:56.0, 0.2, 38.69N, 43.04E, h15km, ML2.3, Error
ellipse: s-maj=4.1km s-min=3.5km az=138.0
DDA 31 22:04:56.4, 38.69N, 43.08E, h7km, ML2.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADVC, VANB, GEVA, VMUR, GURO, CLDR, AGRB, SRTM.

ISC 31 22:06:17.9, 38.68N, 43.04E, h13km, 2km, ML2.5/3
DDA 31 22:06:18.6, 38.69N, 43.08E, h7km, ML2.9
CSEM 31 22:06:18.5, 0.2, 38.70N, 0.03, 43.05E, h10km, ML2.5, Error
ellipse: s-maj=4.9km s-min=4.8km az=136.0

ISC 31 22:06:18.5, 1.1, 38.70N, 0.03, 43.05E, 0.03, h13km, 13km,
n18, c053/32, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADVC, VANB, GEVA, VMUR, GURO, CLDR, AGRB, SRTM.

ISC 31 22:06:51.9, 38.67N, 43.04E, h14km, 4km, ML2.7/3
DDA 31 22:06:52.1, 38.66N, 43.01E, h7km, ML3.3
CSEM 31 22:06:52.0, 0.2, 38.67N, 43.02E, h10km, ML3.3, Error
ellipse: s-maj=4.0km s-min=4.0km az=52.0

ISC 31 22:06:51.9, 1.0, 38.66N, 0.03, 43.03E, 0.03, h28km, 7km,
n17, c0938/31, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB, ADVC, GEVA, VMUR, GURO, CLDR, AGRB.

ISC 31 22:07:37.8, 38.69N, 43.05E, h3km, ML3.1/10
DDA 31 22:07:38.0, 38.69N, 43.02E, h5km, ML3.5
CSEM 31 22:07:39.2, 0.1, 38.69N, 43.06E, h5km, ML3.5, Error
ellipse: s-maj=3.3km s-min=2.6km az=126.0

ISC 31 22:07:39.1, 1.0, 38.68N, 0.01, 43.04E, 0.02, h6km, 9km,
n92, c088/132, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADVC, VANB, GEVA, VMUR, GURO, CLDR, AGRB, SRTM.

ISC JB 22:04:55.5, 38.68N, 43.04E, h10km, 5km, ML2.3/3
ISC JB 22:04:56.7, 0.5, 38.70N, 0.03, 43.05E, 0.04, h8km, 6km,
Error ellipse: s-maj=5.0km s-min=4.5km az=138.3

CSEM 31 22:04:56.0, 0.2, 38.69N, 43.04E, h15km, ML2.3, Error
ellipse: s-maj=4.1km s-min=3.5km az=138.0
DDA 31 22:04:56.4, 38.69N, 43.08E, h7km, ML2.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADVC, VANB, GEVA, VMUR, GURO, CLDR, AGRB, SRTM.

ISC 31 22:06:17.9, 38.68N, 43.04E, h13km, 2km, ML2.5/3
DDA 31 22:06:18.6, 38.69N, 43.08E, h7km, ML2.9
CSEM 31 22:06:18.5, 0.2, 38.70N, 0.03, 43.05E, h10km, ML2.5, Error
ellipse: s-maj=4.9km s-min=4.8km az=136.0

ISC 31 22:06:18.5, 1.1, 38.70N, 0.03, 43.05E, 0.03, h13km, 13km,
n18, c053/32, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADVC, VANB, GEVA, VMUR, GURO, CLDR, AGRB, SRTM.

ISC 31 22:06:51.9, 38.67N, 43.04E, h14km, 4km, ML2.7/3
DDA 31 22:06:52.1, 38.66N, 43.01E, h7km, ML3.3
CSEM 31 22:06:52.0, 0.2, 38.67N, 43.02E, h10km, ML3.3, Error
ellipse: s-maj=4.0km s-min=4.0km az=52.0

ISC 31 22:06:51.9, 1.0, 38.66N, 0.03, 43.03E, 0.03, h28km, 7km,
n17, c0938/31, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB, ADVC, GEVA, VMUR, GURO, CLDR, AGRB.

ISC 31 22:07:37.8, 38.69N, 43.05E, h3km, ML3.1/10
DDA 31 22:07:38.0, 38.69N, 43.02E, h5km, ML3.5
CSEM 31 22:07:39.2, 0.1, 38.69N, 43.06E, h5km, ML3.5, Error
ellipse: s-maj=3.3km s-min=2.6km az=126.0

ISC 31 22:07:39.1, 1.0, 38.68N, 0.01, 43.04E, 0.02, h6km, 9km,
n92, c088/132, Turkey

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

ISC JB 22:10:49.9, 0.7, 38.64N, 0.04, 43.05E, 0.06, h20km, 5km,
Error ellipse: s-maj=7.6km s-min=6.8km az=31.0
CSEM 31 22:10:49.6, 0.3, 38.64N, 43.05E, h20km, ML2.0, Error
ellipse: s-maj=6.0km s-min=5.2km az=147.0

ISC 31 22:10:49.2, 0.7, 38.64N, 0.04, 43.05E, 0.06, h20km, ML2.0/2
DDA 31 22:10:50.1, 38.67N, 43.06E, h7km, ML2.6

ISC 31 22:10:49.7, 1.0, 38.65N, 0.04, 43.07E, 0.04, h28km, 9km,
n18, c072/32, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB, ADVC, GEVA, VMUR, GURO, CLDR, AGRB, SRTM.

MAN 31 22:12:49.4, 15.47N, 119.35E, h15km, mb4.8, ML3.7,
MS3.7, 1C, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SCZP, BOLP, PCPH, BALP, ABRA, BTYP, APYP.

ISC 31 22:19:42.8, 38.67N, 43.06E, h20km, 3km, ML1.8/2
CSEM 31 22:19:43.8, 0.2, 38.67N, 43.04E, h10km, ML1.8, Error
ellipse: s-maj=4.7km s-min=4.4km az=159.0

ISC JB 31 22:19:44.0, 0.6, 38.67N, 0.04, 43.03E, 0.05, h13km, 7km,
Error ellipse: s-maj=7.3km s-min=6.1km az=39.5
DDA 31 22:19:44.0, 38.67N, 43.05E, h7km, ML2.5

ISC 31 22:19:43.8, 1.1, 38.66N, 0.03, 43.04E, 0.03, h17km, 11km,
n18, c058/32, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB, ADVC, GEVA, VMUR, GURO, CLDR, AGRB, SRTM.

ISC 31 22:22:51.7, 38.68N, 43.03E, h5km, ML2.3/2
ISC JB 31 22:22:52.9, 0.5, 38.69N, 0.03, 43.04E, 0.04, h9km, 6km,
Error ellipse: s-maj=5.1km s-min=4.2km az=135.8

CSEM 31 22:22:52.0, 0.2, 38.69N, 43.05E, h15km, ML2.8, Error
ellipse: s-maj=4.5km s-min=3.6km az=140.0
DDA 31 22:22:52.5, 38.68N, 43.04E, h7km, ML2.6

ISC 31 22:22:52.7, 1.0, 38.69N, 0.02, 43.05E, 0.03, h13km, 10km,
n20, c052/37, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADVC, VANB, GEVA, VMUR, GURO, CLDR, AGRB.

31d 23h

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ostrava-Krasne, Dobruska-Polom.

NNC 31 23:20:31.1-2.9,36.68N-70.08E, h0km, mbs3.1, 5C-1D, Error ellipse: s-maj=22.92km, s-min=21.1km az=152.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sufi-Kurgan, Manas, Karatay Array.

ISK 31 23:24:09.3, 38.69N-43.06E, h21km, ML1.8/3 CSEM 31 23:24:10.5, 38.69N-43.06E, h10km, ML1.8, Error ellipse: s-maj=6.1km s-min=5.7km az=69.0

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

2012 JUL

Table with columns: ADCV, BITLIS_Adilcev, ADCV, BITLIS_Adilcev, ADCV, Gevas, etc. Includes station names and coordinates.

IDC 31 23:24:41.9, 3.6, 5.76S; 150.60E, h0km, mb3.4/2, m1 3.7/2, m1mx3.3/4.5, mbtmp3.5/2, Error ellipse: s-maj=149.0km s-min=46.5km az=118.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, Diego Garcia H.

IDC 31 23:29:48.2, 1.1, 39.06S; 78.59E, h0km, mb4.0/6, m1 4.1/6, m1mx3.7/6.3, mbtmp4.0/6, MS3.7/15, M1 3.7/15, m1mx3.4/5.3, Error ellipse: s-maj=37.9km s-min=28.9km az=168.0, Mid-Indian Ridge

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

GUC 31 23:28:31.7, 0.5, 37.42S; 74.18W, h32km, 3km, ML3.7, 1D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like San Pedro de C, Temuco, Chillan, etc.

IDC 31 23:44:38.0, 0.6, 6.98N; 76.79W, h0km, mb3.8/15, m1 4.0/18, m1mx3.9/4.8, mbtmp3.8/18, ML3.7/15, MS3.4/14, M1 3.4/14, m1mx3.2/4.9, Error ellipse: s-maj=21.3km s-min=9.6km az=39.0

RSNC 31 23:44:41.3, 1.7, 0.08N; 76.68W, h4km, 6km, ML3.8, Mw4.2 NEIC 31 23:44:45.0, 1.8, 6.99N; 76.64W, h52km, 6km, mb4.3/15, Error ellipse: s-maj=11.5km s-min=6.9km az=222.0

ISC 31 23:44:41.8, 1.1, 7.05N; 0.03; 76.63W; 0.03, h16km, 7km, n69, r183/77, mb4.1/29, MS3.3/11, 2C-2D, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Dabeiba, Bahia Solano, San Jos' de U, Santa Helena, etc.

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Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Puerto Berris, Santa Ana, Barranca, Sant, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Barber's Block, La Plaine, Morne-Daniel, Belle View Cho, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IDC 31 23:53:19.3+1.7, JTS JuntasAbangare, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IDC 31 23:55:08.8+1.1, ATH 31 23:55:09.3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SGR SIGRI, PSRA Psara, CHOS Chios island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SKY SKY, BAYC CANAKKALE_Bayr, AOS Alonnisos, etc.

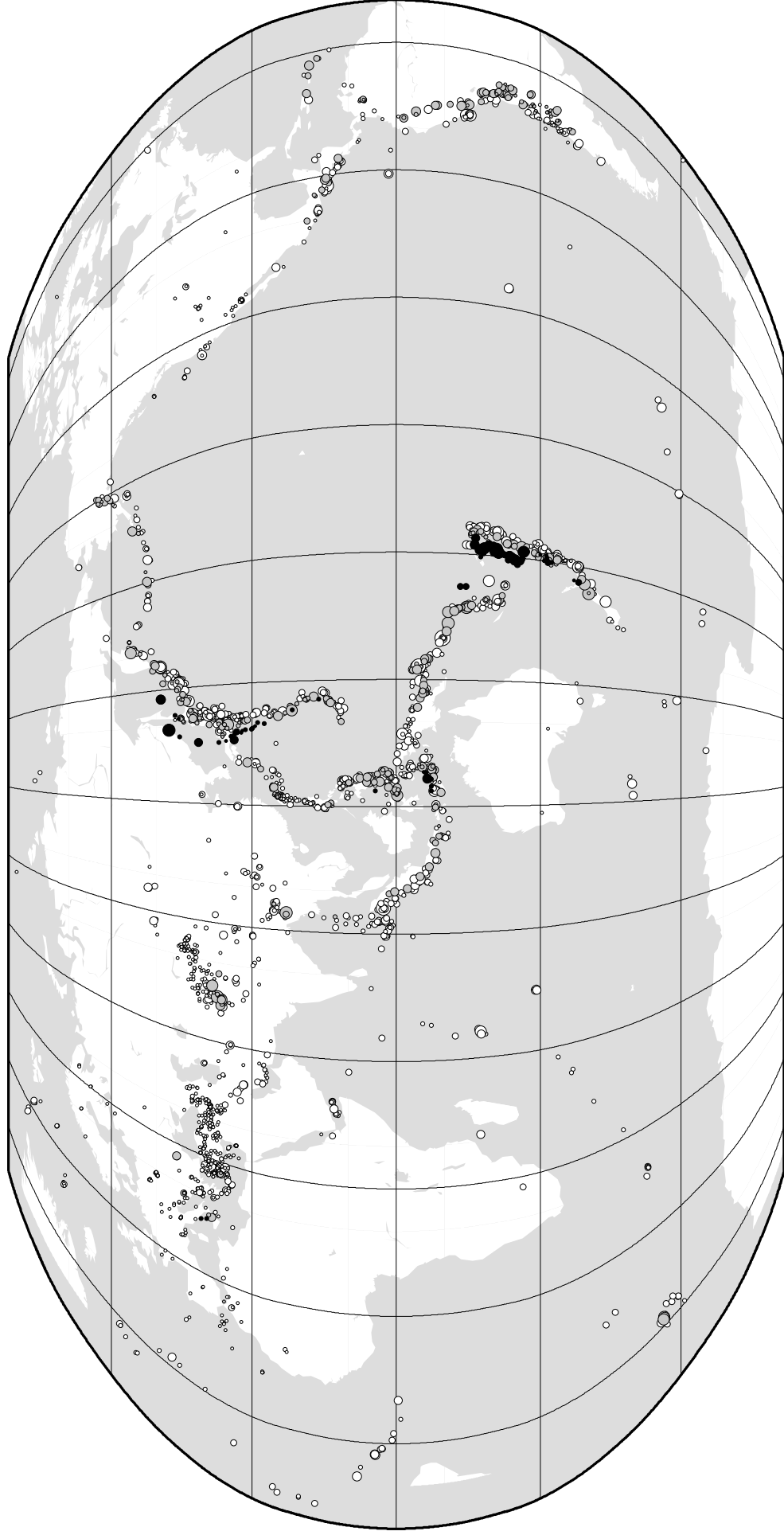
Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KESN Edirne-Kesan, APE Apeiranthos, SMIA Simia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Pn 23:55 42.8, Pn 23:56 07.3, etc.

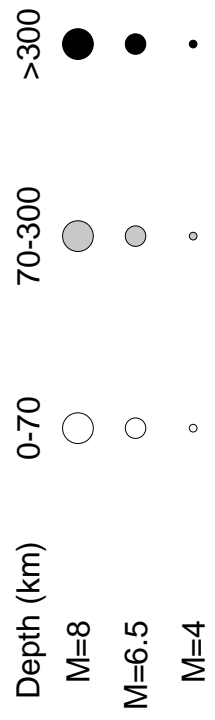
comp=E,24nm,19.3s,baz=246,slow=39

KLV	Kalavryta, Ach	2.98 252	P	Pn	23 55 57.0 +0.1
KLV	Kalavryta, Ach	2.98 252	P	Pn	23 55 56.6 -0.3
KHAL	Karahalli	3.01 102	iP	Pn	23 55 58.0 +0.7
KHAL	Karahalli	3.01 102	P	Pn	23 55 58.0 +0.7
ANX	Ano Chora	3.02 263	P	Pn	23 55 58.2 +0.8
ANX	Ano Chora	3.02 263	P	Pn	23 55 58.0 +0.6
DIM	Dimitrovgrad	3.02 357	eP	Pn	23 55 57.6 +0.3
KNT	Kendrikon	3.04 315	P	Pn	23 55 60.0 +2.3
KNT	Kendrikon	3.04 315	P	Pn	23 55 59.0 +1.3
LAKA	Lakka	3.05 256	P	Pn	23 55 58.2 +0.4
LAKA	Lakka	3.05 256	P	Pn	23 55 58.2 +0.4
EFP	Efpalio	3.06 260	P	Pn	23 55 58.0 +0.1
EFP	Efpalio	3.06 260	P	Pn	23 55 58.2 +0.3
TURN	Turunc	3.13 133	iP	Pn	23 55 57.2 -1.5
TURN	Turunc	3.13 133	P	Pn	23 55 57.2 -1.5
PLD	Plodiv	3.17 346	ePn	Pn	23 55 58.5 -0.9
PLD	Plodiv	3.17 346	iP	Pn	23 56 00.3 +0.9
PLD	Plodiv	3.17 346	ePn	Pn	23 55 58.5 -0.9
DALY	Dalyan (Mu'la	3.19 133	iP	Pn	23 56 00.3 +0.6
DALY	Dalyan (Mu'la	3.19 133	P	Pn	23 56 00.3 +0.6
VLI	Vellai	3.20 225	P	Pn	23 55 57.9 -2.0
VLI	Vellai	3.20 225	P	Pn	23 55 59.3 -0.6
VLI	Vellai	3.20 225	P	Pn	23 55 59.3 -0.6
GRG	Griva	3.21 308	P	Pn	23 56 01.9 +2.0
GRG	Griva	3.21 308	P	Pn	23 56 01.1 +1.2
PVO	Paravola	3.32 264	P	Pn	23 56 03.2 +1.8
PVO	Paravola	3.32 264	P	Pn	23 56 02.6 +1.2
VAY	Valandovo	3.33 314	ePn	Pn	23 56 03.7 +2.0
VAY	Valandovo	3.33 314	iPn	Pn	23 56 03.2 +2.3
VAY	Valandovo	3.33 314	ePn	Pn	23 56 03.7 +2.0
DRO	Drossia	3.34 252	P	Pn	23 56 01.9 +0.1
DRO	Drossia	3.34 252	P	Pn	23 56 02.1 +0.3
ARG	Arkhangelos	3.39 145	P	Pn	23 56 03.0 +0.6
ARG	Arkhangelos	3.39 145	P	Pn	23 56 02.9 +0.5
AUBOZ	BOZOYUK	3.44 74	iP	Pn	23 56 02.9 -0.2
AUBOZ	BOZOYUK	3.44 74	P	Pn	23 56 02.9 -0.2
KKB	Krupnik	3.48 325	eP	Pn	23 56 04.7 +1.0
GOLH	Golhisar	3.51 120	iP	Pn	23 56 05.9 +1.8
GOLH	Golhisar	3.51 120	P	Pn	23 56 05.9 +1.8
DYR	Agios Nikonas	3.52 231	P	Pn	23 56 04.3 +0.1
DYR	Agios Nikonas	3.52 231	P	Pn	23 56 04.7 +0.4
PDO	Prodromos	3.59 264	P	Pn	23 56 06.4 +1.3
PDO	Prodromos	3.59 264	P	Pn	23 56 06.1 +1.0
DSL	Palaion Diasel	3.62 273	P	Pn	23 56 08.1 +2.5
DSL	Palaion Diasel	3.62 273	P	Pn	23 56 07.1 +1.5
BRDR	BURDUR-Merkez	3.65 110	iP	Pn	23 56 06.6 +0.7
BRDR	BURDUR-Merkez	3.65 110	P	Pn	23 56 06.8 +0.7
MES3	Kyparissia	3.67 242	P	Pn	23 56 08.9 +2.7
MES3	Kyparissia	3.67 242	P	Pn	23 56 08.0 +1.8
ANKY	Antikythira Is	3.71 212	P	Pn	23 56 04.0 -2.8
ANKY	Antikythira Is	3.71 212	P	Pn	23 56 05.8 -1.0
PGB	Panagyurishte	3.71 442	iP	Pn	23 56 07.2 +0.3
FNA	Florina	3.78 299	ePn	Pn	23 56 09.5 +1.6
FNA	Florina	3.78 299	P	Pn	23 56 09.0 +1.1
FNA	Florina	3.78 299	ePn	Pn	23 56 08.7 +0.8
FNA	Florina	3.78 299	ePn	Pn	23 56 09.5 +1.6
GEYV	SAKARYA_Geyve	3.80 96	iP	Pn	23 56 08.9 +0.3
GEYV	SAKARYA_Geyve	3.80 66	P	Pn	23 56 08.3 +0.3
IDI	Anoyia	3.80 191	Pn	Pn	23 56 09.0 +0.9
IDI	Anoyia	3.80 191	iP	Pn	23 56 10.1 +2.0
IDI	Anoyia	3.80 191	iP	Pn	23 56 10.1 +2.0
PYL	PYLOS	3.81 237	P	Pn	23 56 09.8 +1.5
PYL	PYLOS	3.81 237	P	Pn	23 56 09.4 +1.2
MES2	Methoni	3.88 237	P	Pn	23 56 10.7 +1.6
MES2	Methoni	3.88 237	P	Pn	23 56 10.3 +1.2
VTS	Vitosha	4.04 332	ePn	Pn	23 56 12.3 +0.8
VTS	Vitosha	4.04 332	iP	Pn	23 56 13.2 +1.7
VTS	Vitosha	4.04 332	eP	Pn	23 56 12.6 +1.1
VTS	Vitosha	4.04 332	ePn	Pn	23 56 12.3 +0.8
VTS	Vitosha	4.04 332	iP	Pn	23 56 13.2 +1.7
KRUS	Krusevo	4.16 306	iPn	Pn	23 56 13.8 +0.8
IGT	Igoumenitsa	4.23 278	ePn	Pn	23 56 17.0 +3.1
IGT	Igoumenitsa	4.23 278	eSn	Sn	23 57 06.0 +2.9
IGT	Igoumenitsa	4.23 278	ePn	Pn	23 56 17.0 +3.1
IGT	Igoumenitsa	4.23 278	eSn	Sn	23 57 06.0 +2.9
SGD	Sagiada	4.31 279	P	Pb	23 56 20.9 -4.5
SKO	Skopje	4.40 313	ePn	Pn	23 56 18.1 +1.8
SKO	Skopje	4.40 313	ePn	Pn	23 56 18.1 +1.8
BARS	Barje	4.81 323	ePn	Pn	23 56 22.9 +1.0
BARS	Barje	4.81 323	ePn	Pn	23 56 22.9 +1.0
ZAPS	Zavoj	4.84 332	ePn	Pn	23 56 24.1 +1.7
SELS	Selova	5.45 322	ePn	Pn	23 56 31.2 +0.5
BOVS	Bovan	5.51 328	ePn	Pn	23 56 32.5 +1.0
BOVS	Bovan	5.51 328	ePn	Pn	23 56 32.1 +1.0
TIRR	Tirgusor	5.78 19	iP	Pn	23 56 35.7 +0.5
TIRR	Tirgusor	5.78 19	iP	Pn	23 56 35.7 +0.5
TLB	Topalu	5.81 16	iP	Pn	23 56 35.9 +0.3
TLB	Topalu	5.81 16	iP	Pn	23 56 35.9 +0.3
HARR	Harsova	5.88 15	iP	Pn	23 56 37.3 +0.6
HARR	Harsova	5.88 15	iP	Pn	23 56 37.3 +0.6
SJES	Sjenica	6.07 316	ePn	Pn	23 56 39.2 -0.1
GRUS	Gruza	6.15 324	ePn	Pn	23 56 40.8 +0.5
GRUS	Gruza	6.15 324	ePn	Pn	23 56 40.8 +0.5
BRTR	Keskin Array B	6.16 81	Pn	Pn	23 56 42.4 +1.7
BRTR	comp=E,1.0nm,0.3s,baz=257,slow=13,SNR=38		Lg	Lg	23 58 26.6
BRTR	baz=258,slow=27,SNR=3.4				
IVAS	Ivanjica	6.19 319	ePn	Pn	23 56 42.3 +1.4
IVAS	Ivanjica	6.19 319	ePn	Pn	23 56 42.3 +1.4
HERR	Herculane	6.35 338	iP	Pn	23 56 43.2 +0.2
HERR	Herculane	6.35 338	iP	Pn	23 56 43.2 +0.2
ARR	Arges	6.38 353	iP	Pn	23 56 44.0 +0.4
ARR	Arges	6.38 353	iP	Pn	23 56 44.0 +0.4
CFR	Carcaliu	6.39 15	iP	Pn	23 56 43.8 +0.2
CFR	Carcaliu	6.39 15	iP	Pn	23 56 43.9 +0.2
VOIR	Voivodina	6.42 356	iP	Pn	23 56 44.7 +0.6
VOIR	Voivodina	6.42 356	iP	Pn	23 56 44.7 +0.6
MLR	Muntele Rosu	6.46 1	Pn	Pn	23 56 46.7 +2.0
MLR	comp=E,0.8nm,0.3s,baz=232,slow=3.6,SNR=16		Sn	Sn	23 57 58.5 +0.3
MLR	comp=E,0.2nm,0.3s,baz=168,slow=13,SNR=1.2		LR	LR	23 59 34.2
MLR	comp=E,54nm,20.6s,baz=196,slow=41				
MLR	Muntele Rosu	6.46 1	iP	Pn	23 56 46.4 +1.8
MLR	Muntele Rosu	6.46 1	iP	Pn	23 56 46.4 +1.8
MDVR	Moldovita	6.48 334	iP	Pn	23 56 45.7 +0.8
MDVR	Moldovita	6.48 334	iP	Pn	23 56 45.7 +0.8
TRUS	Trudelj	6.55 324	ePn	Pn	23 56 46.9 +1.1
TRUS	Trudelj	6.55 324	ePn	Pn	23 56 46.9 +1.1
LOT	Lotru	6.58 348	iP	Pn	23 56 46.4 +0.1
LOT	Lotru	6.58 348	iP	Pn	23 56 46.4 +0.1
DIVS	Divibare	6.65 321	ePn	Pn	23 56 47.7 +0.5
DIVS	Divibare	6.65 321	ePn	Pn	23 56 47.7 +0.5
PLOR	Plostina	6.85 5	iP	Pn	23 56 52.1 +2.2
PLOR	Plostina	6.85 5	iP	Pn	23 56 52.1 +2.2
VRI	Vrincioaia	6.87 6	iP	Pn	23 56 52.0 +1.8
VRI	Vrincioaia	6.87 6	iP	Pn	23 56 52.1 +1.8
DOPR	Dopca	6.94 358	iP	Pn	23 56 52.8 +1.7
DOPR	Dopca	6.94 358	iP	Pn	23 56 52.8 +1.7
OZUR	Ozura	7.06 0	iP	Pn	23 56 54.7 +1.9
OZUR	Ozura	7.06 0	iP	Pn	23 56 54.7 +1.9
BZS	Buzias	7.25 336	iP	Pn	23 56 57.2 +1.7
BZS	Buzias	7.25 336	iP	Pn	23 56 57.2 +1.7
TESR	Tescani	7.50 5	iP	Pn	23 56 59.9 +1.0
TESR	Tescani	7.50 5	iP	Pn	23 56 59.9 +1.0
CJR	Cluj-Napoca	7.83 349	iP	Pn	23 57 05.4 +1.9
CJR	Cluj-Napoca	7.83 349	iP	Pn	23 57 05.4 +1.9
BIZ	Bicaz	7.91 2	iP	Pn	23 57 06.2 +2.4
BIZ	Bicaz	7.91 2	iP	Pn	23 57 06.8 +2.4
DRGR	Dracov	8.07 345	iP	Pn	23 57 09.1 +2.4
DRGR	Dracov	8.07 345	iP	Pn	23 57 09.1 +2.4
BURAR	Bucovina Array	8.59 358	iP	Pn	23 57 16.5 +2.6
BURAR	Bucovina Array	8.59 358	iP	Pn	23 57 16.5 +2.6
MMAI	Mount Meron Ar	9.86 125	Pn	Pn	23 57 31.1 -0.3
MMAI	comp=E,0.9nm,0.3s,baz=305,slow=12,SNR=9.5		Sn	Sn	23 59 17.4 -4.5
MMAI	comp=E,0.3nm,0.3s,baz=324,slow=27,SNR=1.7				
VYHS	Vyhne	10.69 334	ePn	Pn	23 57 43.5 +0.9
VYHS	Vyhne	10.69 334	ePn	Pn	23 57 43.5 +0.9
AKASG	Malin Array Be	11.92 11	Pn	Pn	23 58 00.6 +1.2
ESDC	Somseca Array	22.93 281	P	P	00 00 15.6 +1.9
ESDC	comp=E,0.8nm,0.3s,baz=201,slow=13,SNR=1.7				
TORD	Torodji Ar. Bea	33.42 226	P	P	00 01 48.4 0.0
TORD	comp=E,0.3nm,0.6s,baz=73,slow=10,SNR=3.8				
KURBB	Kurchatov Arra	38.41 55	P	P	00 02 31.7 +0.9
KURBB	comp=E,0.1nm,0.5s,baz=20,slow=8.8				
MKAR	Makanchi Array	41.35 60	P	P	00 02 56.3 +1.0
MKAR	comp=E,0.4nm,0.6s,baz=27,slow=8.6,SNR=2.3				
ZALV	Zalesovo Beam	42.06 49	LR	LR	00 22 45.6
ZALV	comp=E,0.7nm,0.7s,baz=280,slow=7.3,SNR=6.7				

ISC Computed Locations for July 2012



Robinson Projection, centred on 0°N, 130°E



2665 Events